

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
 Data File : VN049630.D
 Acq On : 29 Jun 2018 13:02
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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 7/2/2018 2:19:40 PM

Quant Time: Jun 30 00:38:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:18:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1449886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2139879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1996744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1166156	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	2749771	143.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.22%	
35) Dibromofluoromethane	7.59	113	2203387	137.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.46%	
50) Toluene-d8	10.09	98	9521299	152.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.10%	
62) 4-Bromofluorobenzene	12.40	95	3499240	163.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	2366045	144.81	ug/l	97
3) Chloromethane	2.05	50	2851281	139.71	ug/l	100
4) Vinyl Chloride	2.18	62	3078412	140.45	ug/l	100
5) Bromomethane	2.54	94	1582391	137.44	ug/l	100
6) Chloroethane	2.69	64	1887876	136.08	ug/l	99
7) Trichlorofluoromethane	3.01	101	3267332	130.50	ug/l	99
8) Diethyl Ether	3.41	74	1446883	142.57	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	2433090	135.08	ug/l	100
10) Methyl Iodide	3.95	142	3604616	159.90	ug/l	99
11) Tert butyl alcohol	4.80	59	850262	773.86	ug/l	99
12) 1,1-Dichloroethene	3.73	96	2328639	136.74	ug/l	100
13) Acrolein	3.60	56	853544	831.67	ug/l	99
14) Allyl chloride	4.32	41	3065012	131.03	ug/l	98
15) Acrylonitrile	4.99	53	4276896	753.67	ug/l	99
16) Acetone	3.82	43	2764481	582.94	ug/l	99
17) Carbon Disulfide	4.05	76	6901091	133.69	ug/l	100
18) Methyl Acetate	4.33	43	2328568	80.70	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	6550045	149.20	ug/l	100
20) Methylene Chloride	4.55	84	2614221	132.59	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	2497766	142.52	ug/l	99
22) Diisopropyl ether	5.95	45	7891954	149.12	ug/l	96
23) Vinyl Acetate	5.90	43	27512963	801.68	ug/l	100
24) 1,1-Dichloroethane	5.85	63	4575387	137.23	ug/l	100
25) 2-Butanone	6.84	43	4753038	747.75	ug/l	100
26) 2,2-Dichloropropane	6.82	77	3823075	138.06	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	2877648	146.99	ug/l	99
28) Bromochloromethane	7.20	49	2067451	146.11	ug/l	99
29) Tetrahydrofuran	7.21	42	3188793	787.09	ug/l	100
30) Chloroform	7.37	83	4684837	137.84	ug/l	99
31) Cyclohexane	7.65	56	4175466	127.18	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	4054996	140.93	ug/l	99
36) 1,1-Dichloropropene	7.79	75	3650829	151.64	ug/l	100
37) Ethyl Acetate	6.93	43	2209965	157.38	ug/l	100
38) Carbon Tetrachloride	7.77	117	3469255	148.14	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	4085456	154.78	ug/l	99
40) Benzene	8.04	78	10765923	146.45	ug/l	99
41) Methacrylonitrile	7.18	41	1294913	172.76	ug/l	98
42) 1,2-Dichloroethane	8.12	62	3347025	142.67	ug/l	100
43) Isopropyl Acetate	8.17	43	4114405	124.01	ug/l #	85
44) Trichloroethene	8.84	130	3141874	141.72	ug/l	99
45) 1,2-Dichloropropane	9.12	63	2807569	147.82	ug/l	99
46) Dibromomethane	9.21	93	1683185	146.49	ug/l	99
47) Bromodichloromethane	9.40	83	3612878	147.71	ug/l	98
48) Methyl methacrylate	9.20	41	2019984	161.88	ug/l	99
49) 1,4-Dioxane	9.20	88	541273	3226.54	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	10858966	788.74	ug/l	99
52) Toluene	10.16	92	6700897	150.88	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	3843994	164.13	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	4370966	159.68	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	2411300	145.82	ug/l	100
56) Ethyl methacrylate	10.43	69	3320396	171.30	ug/l	99
57) 1,3-Dichloropropane	10.71	76	4069888	151.78	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	7651749	847.99	ug/l	100
59) 2-Hexanone	10.75	43	7411274	814.09	ug/l	99
60) Dibromochloromethane	10.90	129	2801253	156.74	ug/l	100
61) 1,2-Dibromoethane	11.01	107	2437250	153.82	ug/l	99
64) Tetrachloroethene	10.63	164	3664791	135.55	ug/l	99
65) Chlorobenzene	11.44	112	7446662	142.96	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	2709798	144.78	ug/l	99
67) Ethyl Benzene	11.51	91	13064498	151.73	ug/l	99
68) m/p-Xylenes	11.62	106	10045594	304.43	ug/l #	1
69) o-Xylene	11.95	106	4887588	154.71	ug/l	98
70) Styrene	11.97	104	8171684	159.86	ug/l	100
71) Bromoform	12.13	173	1979134	159.14	ug/l #	99
73) Isopropylbenzene	12.25	105	12820807	138.02	ug/l	100
74) N-amyl acetate	12.07	43	3835310	151.16	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	2807600	128.00	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	2429789m	120.02	ug/l	
77) Bromobenzene	12.53	156	3356750	132.90	ug/l	100
78) n-propylbenzene	12.59	91	14650376	137.61	ug/l	98
79) 2-Chlorotoluene	12.68	91	8981790	133.31	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	11018716	142.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	881542	160.09	ug/l	96
82) 4-Chlorotoluene	12.77	91	9286403	137.08	ug/l	100
83) tert-Butylbenzene	12.99	119	9288079	140.07	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	11411315	143.87	ug/l	100
85) sec-Butylbenzene	13.17	105	12658597	144.09	ug/l	100
86) p-Isopropyltoluene	13.29	119	11484970	150.93	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	6290663	134.90	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	6192749	133.03	ug/l	99
89) n-Butylbenzene	13.62	91	10138917	155.63	ug/l	99
90) Hexachloroethane	13.88	117	1232821	154.23	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	5959006	131.47	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	472407	123.42	ug/l	95

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ClientSampleId :
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Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	3313096	158.74	ug/l	99
94) Hexachlorobutadiene	15.01	225	1750731	120.94	ug/l	99
95) Naphthalene	15.14	128	7559832	168.82	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	3115126	145.06	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

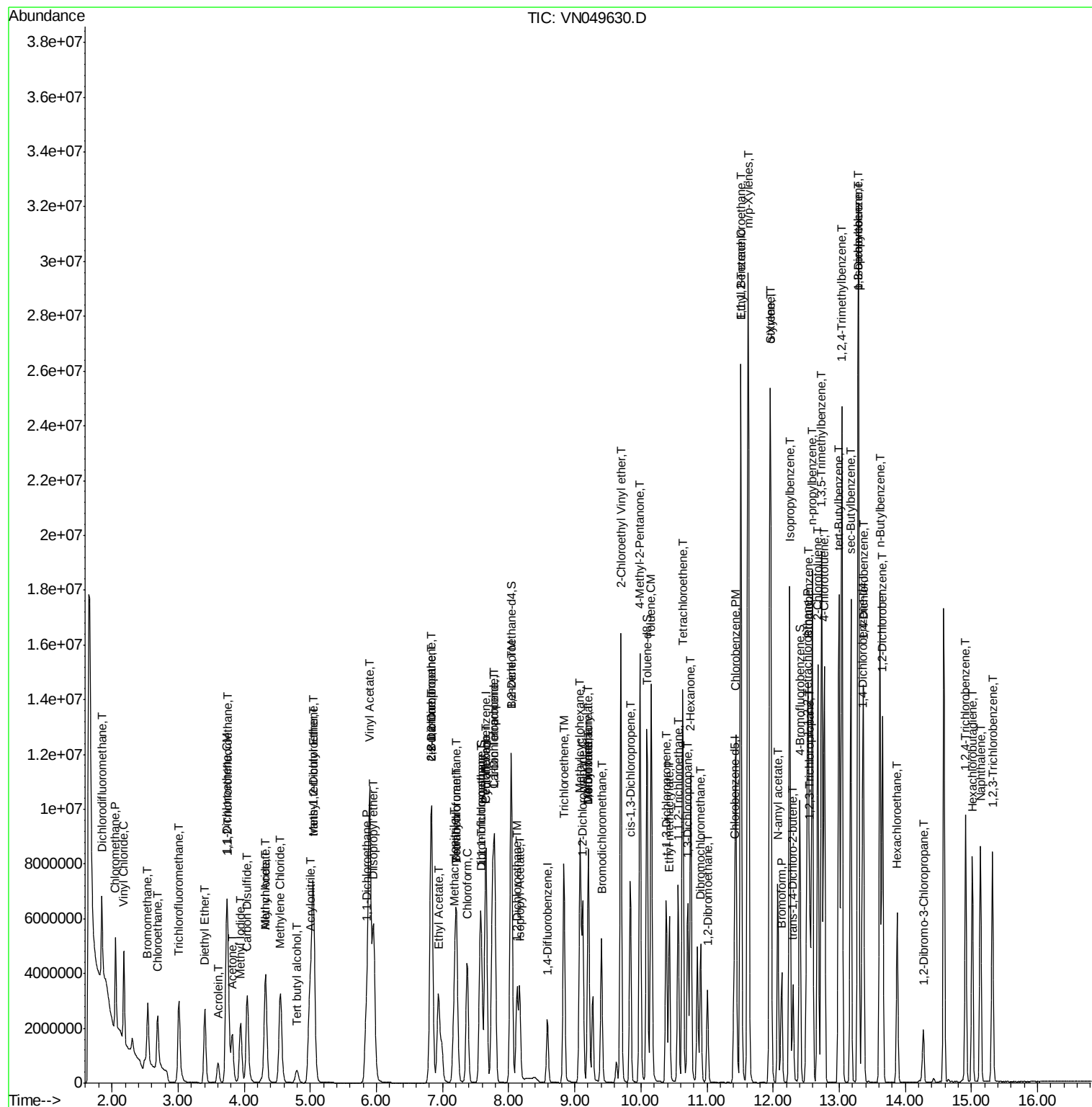
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Data File : VN049630.D
Acq On : 29 Jun 2018 13:02
Operator : MD\SY
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

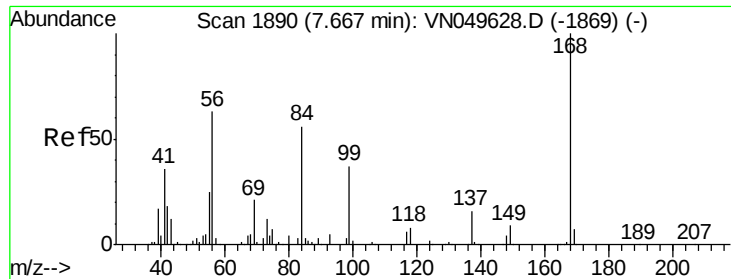
Instrument :
MSVOA_N
Client Sampled :
VSTDIC150

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 1449886

Ion Ratio Lower Upper

168 100

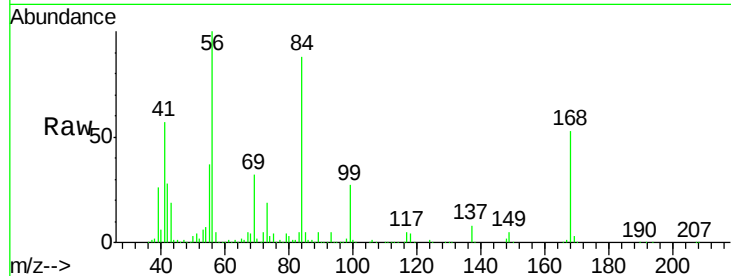
99 50.8 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN049628.D (-1869) (-)

Ion 98.90 (98.60 to 99.60): VN049628.D (-1869) (-)

1000000

800000

600000

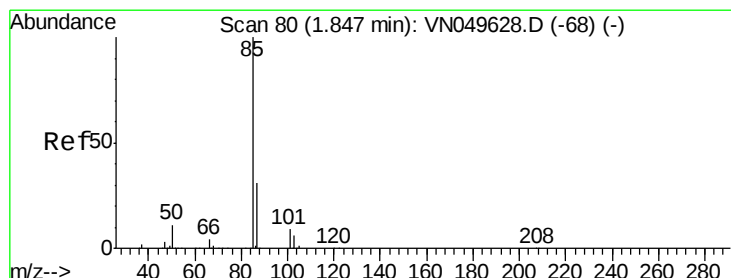
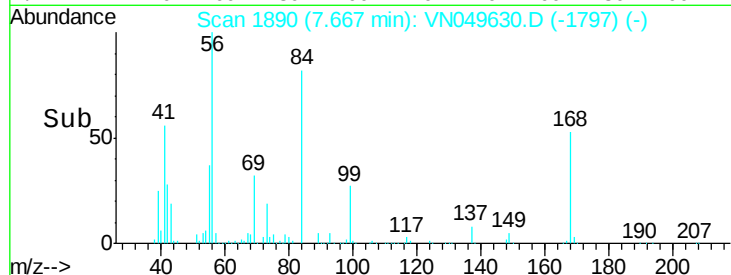
400000

200000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 144.81 ug/l

RT: 1.85 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN049630.D

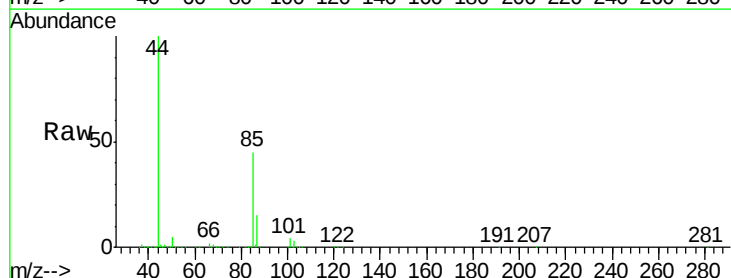
Acq: 29 Jun 2018 13:02

Tgt Ion: 85 Resp: 2366045

Ion Ratio Lower Upper

85 100

87 32.5 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN049628.D (-68) (-)

Ion 86.90 (86.60 to 87.60): VN049628.D (-68) (-)

2000000

1500000

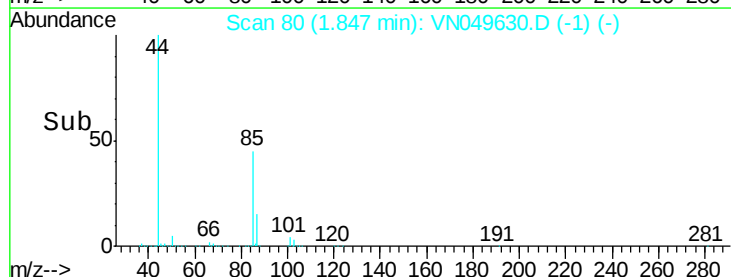
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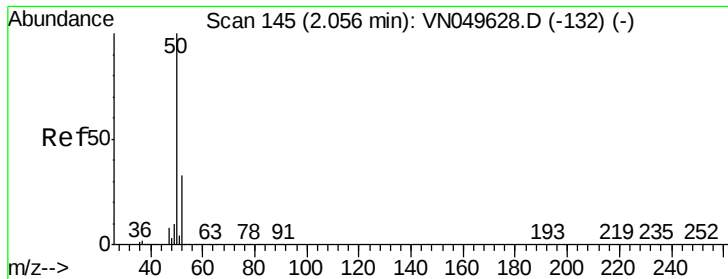
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0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 139.71 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 2851281

Ion Ratio Lower Upper

50 100

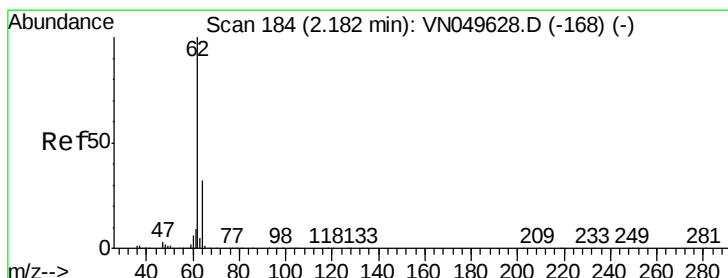
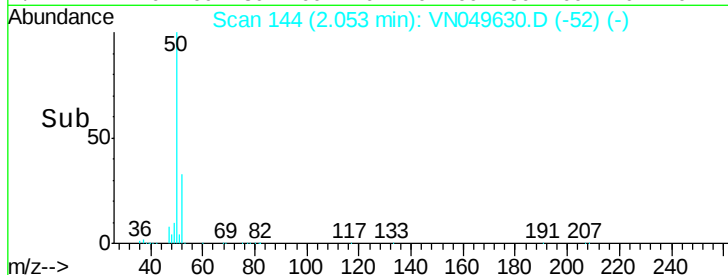
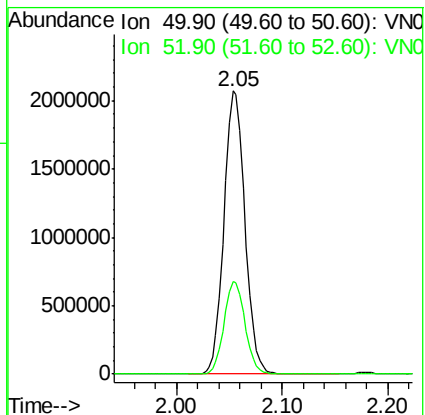
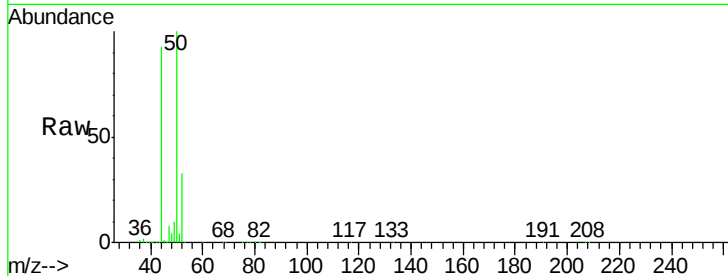
52 32.9 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 140.45 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049630.D

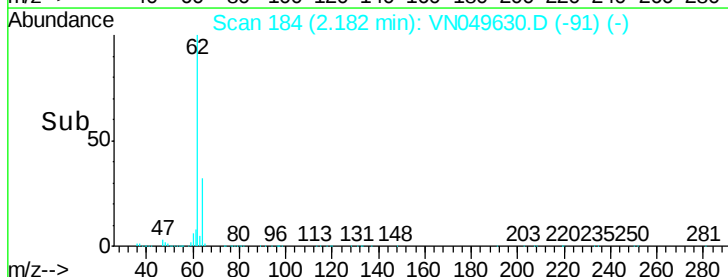
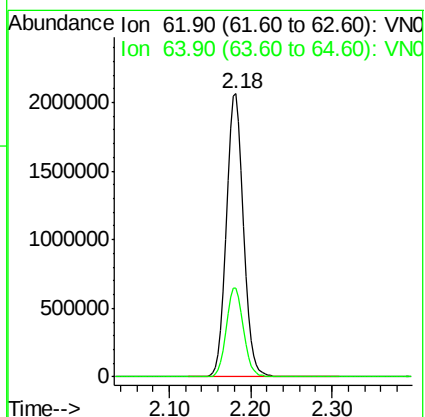
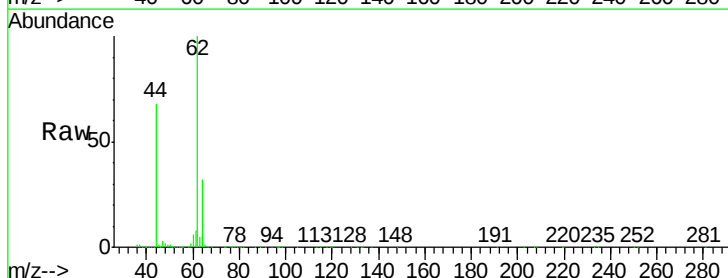
Acq: 29 Jun 2018 13:02

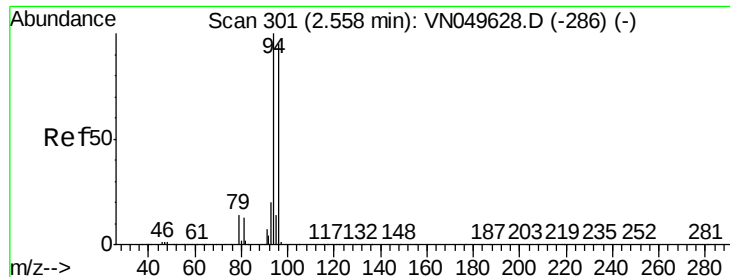
Tgt Ion: 62 Resp: 3078412

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





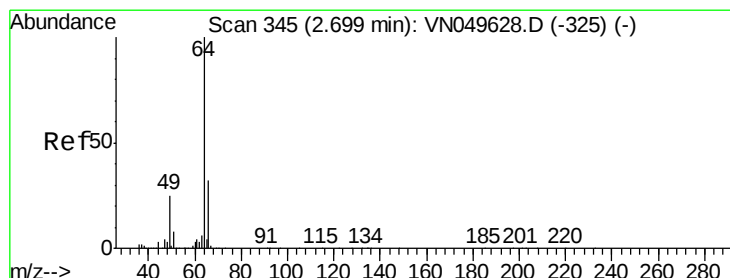
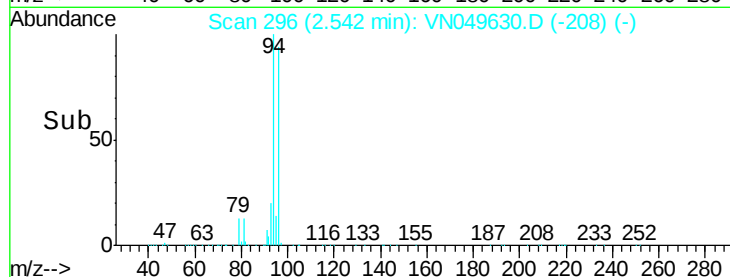
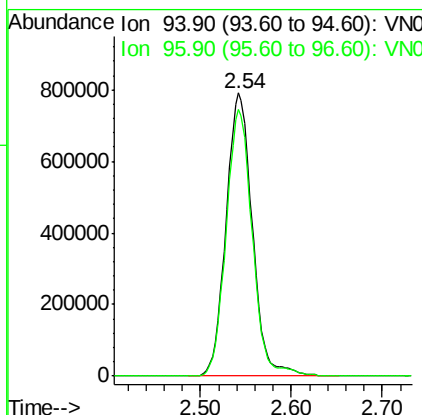
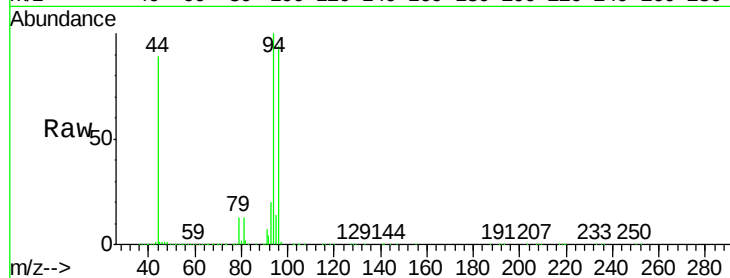
#5
Bromomethane
Concen: 137.44 ug/l
RT: 2.54 min Scan# 296
Delta R.T. -0.02 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 94 Resp: 1582391
Ion Ratio Lower Upper
94 100
96 94.3 75.7 113.5

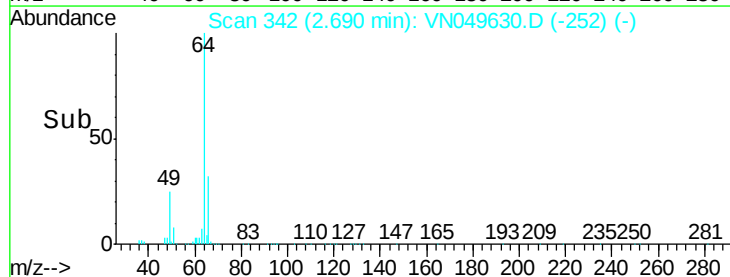
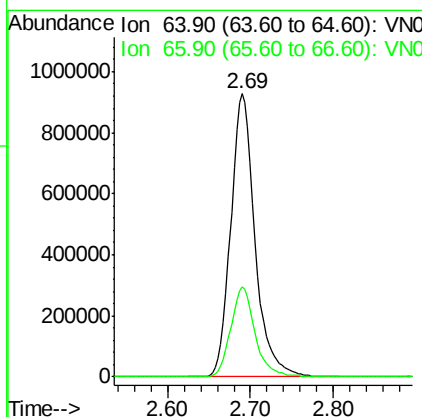
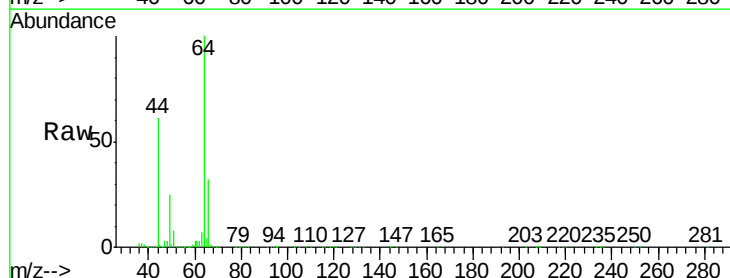
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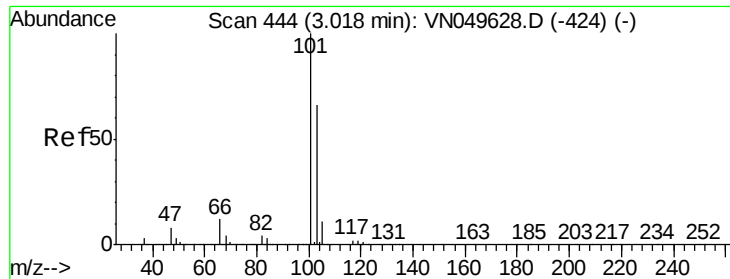
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#6
Chloroethane
Concen: 136.08 ug/l
RT: 2.69 min Scan# 342
Delta R.T. -0.01 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tgt Ion: 64 Resp: 1887876
Ion Ratio Lower Upper
64 100
66 31.7 25.6 38.4





#7

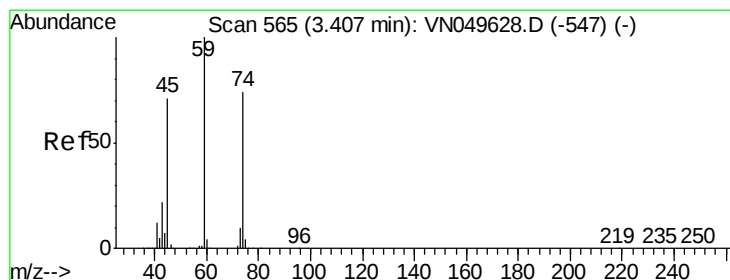
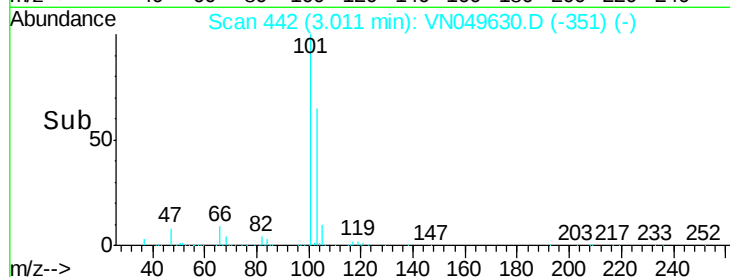
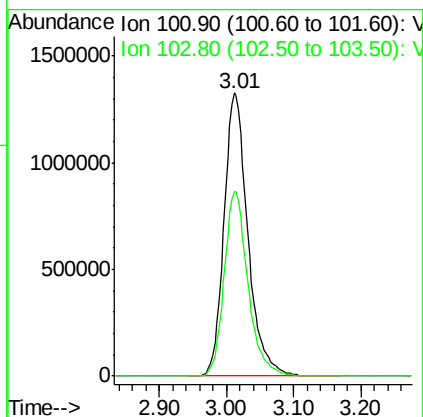
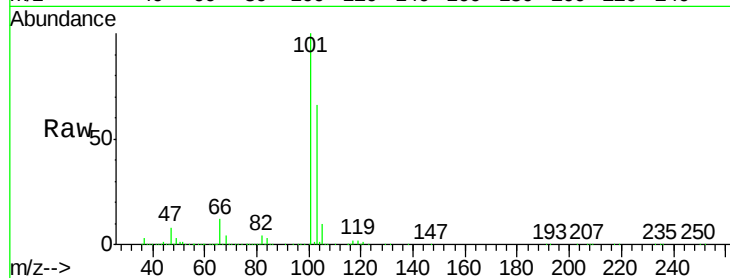
Trichlorofluoromethane
Concen: 130.50 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.01 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 3267332
Ion Ratio Lower Upper
101 100
103 65.5 52.8 79.2

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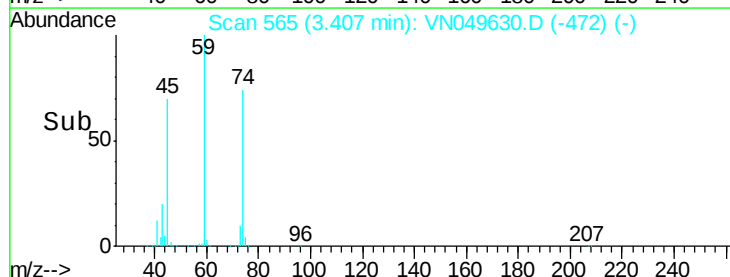
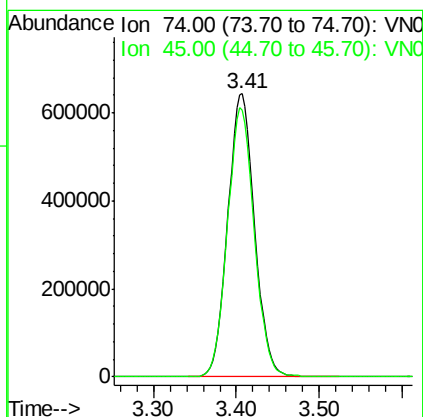
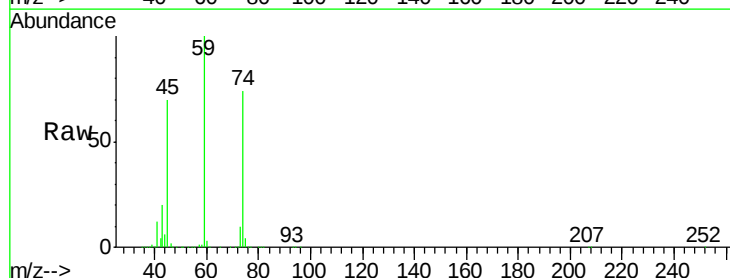
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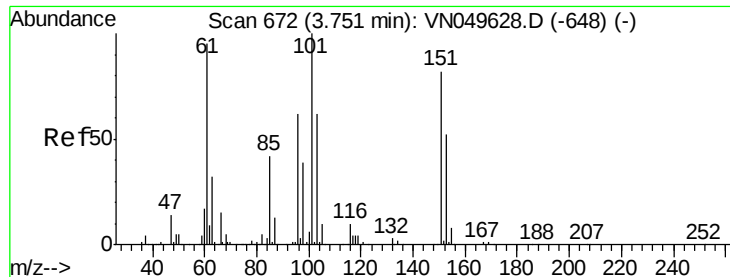


#8

Diethyl Ether
Concen: 142.57 ug/l
RT: 3.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tgt Ion: 74 Resp: 1446883
Ion Ratio Lower Upper
74 100
45 95.0 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 135.08 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:101 Resp: 2433090

Ion Ratio Lower Upper

101 100

85 42.8 34.4 51.6

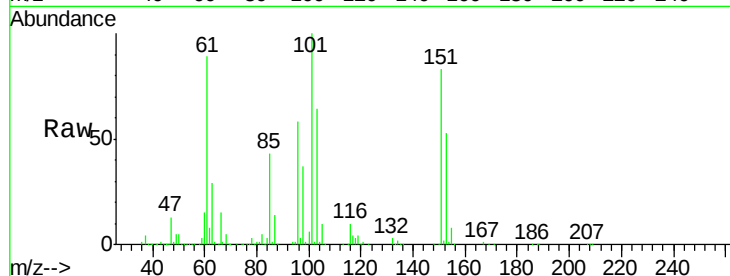
151 82.9 66.2 99.4

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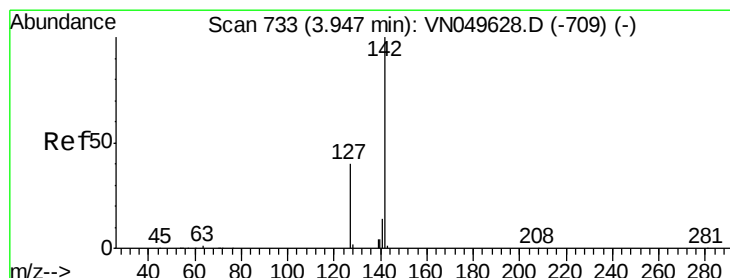
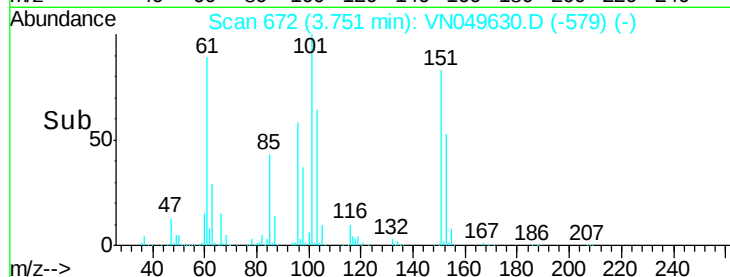
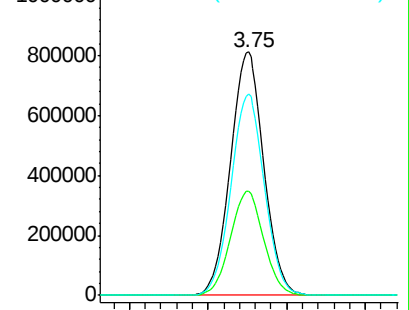
7/2/2018 2:19:40 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 159.90 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

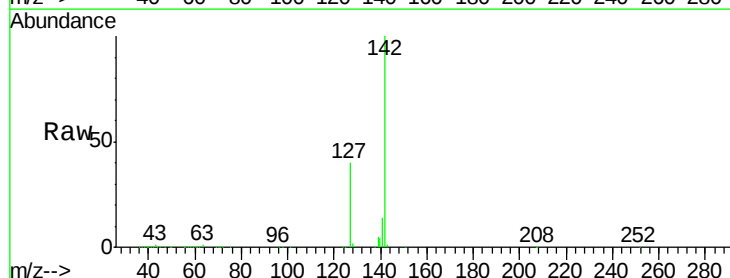
Tgt Ion:142 Resp: 3604616

Ion Ratio Lower Upper

142 100

127 40.3 32.5 48.7

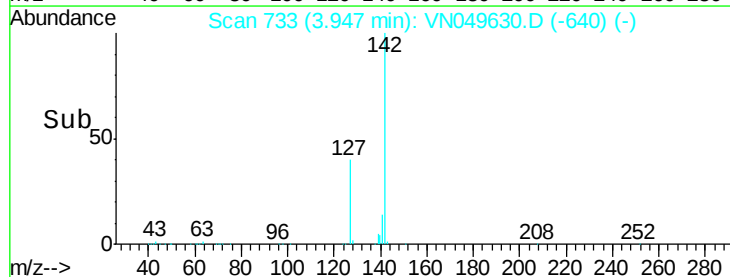
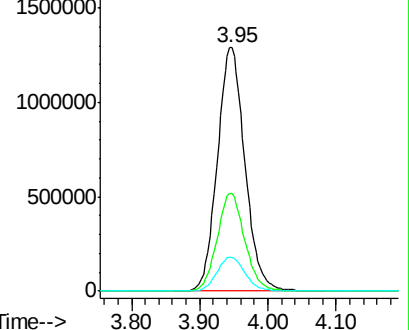
141 14.2 11.1 16.7

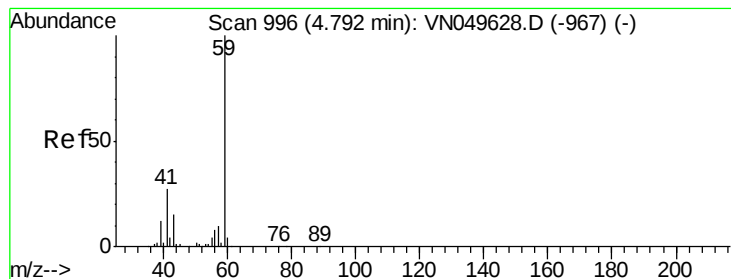


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

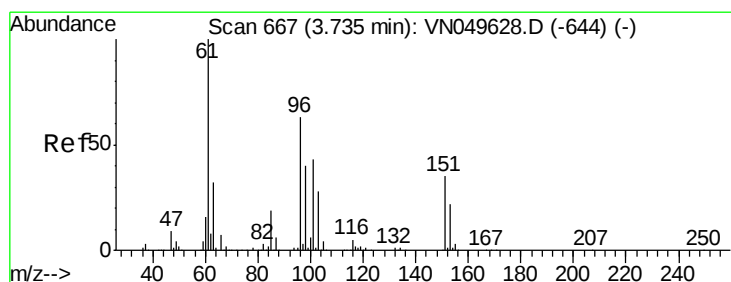
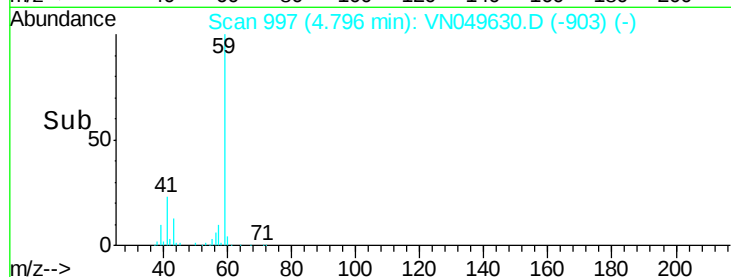
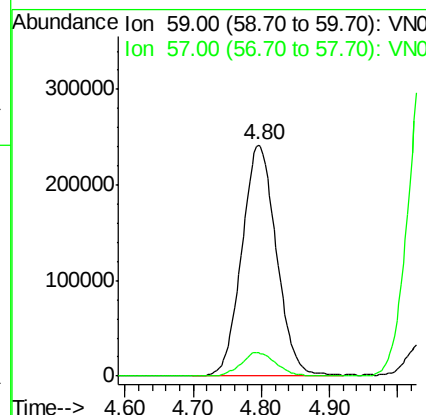
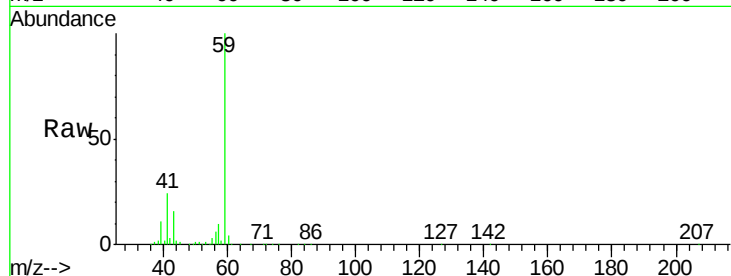
Tert butyl alcohol
Concen: 773.86 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	59	Resp	850262
Ion Ratio	100	Lower	Upper
57	10.3	8.5	12.7

Manual Integrations
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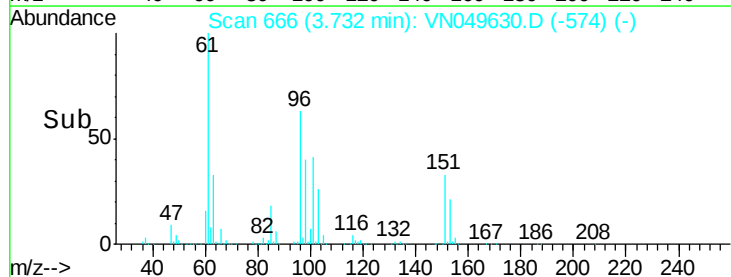
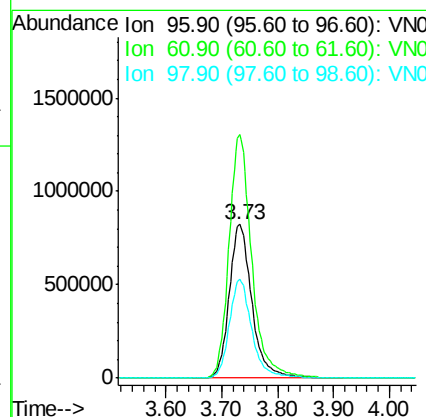
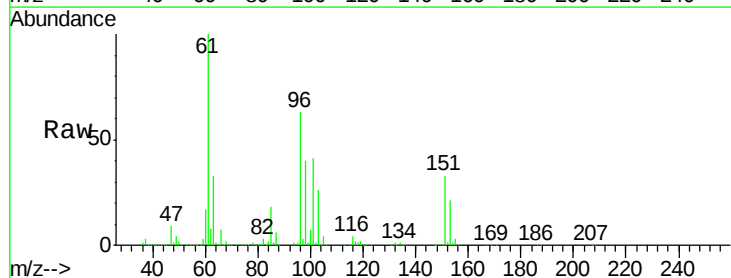
apatel
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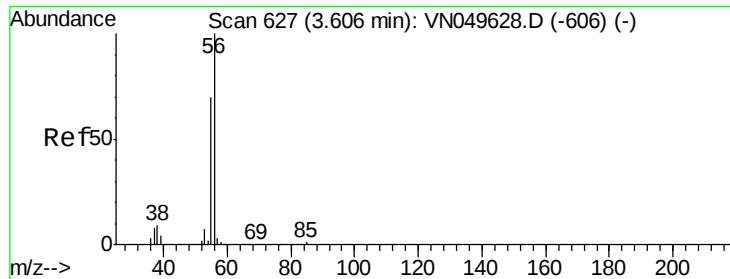


#12

1,1-Dichloroethene
Concen: 136.74 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tgt Ion	96	Resp	2328639
Ion Ratio	100	Lower	Upper
61	158.1	126.5	189.7
98	64.0	51.0	76.6





#13

Acrolein

Concen: 831.67 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 56 Resp: 853544

Ion Ratio Lower Upper

56 100

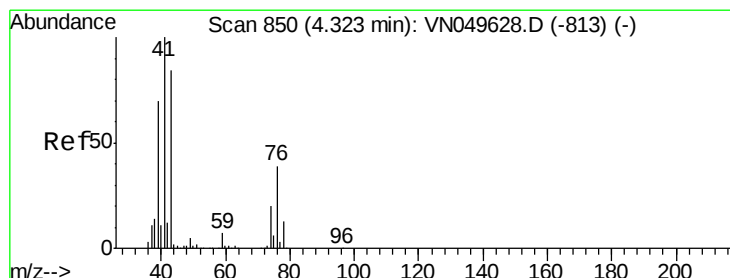
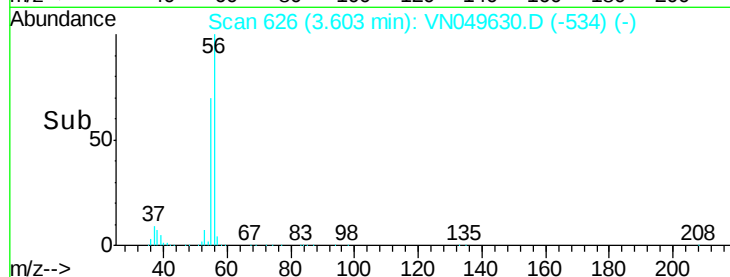
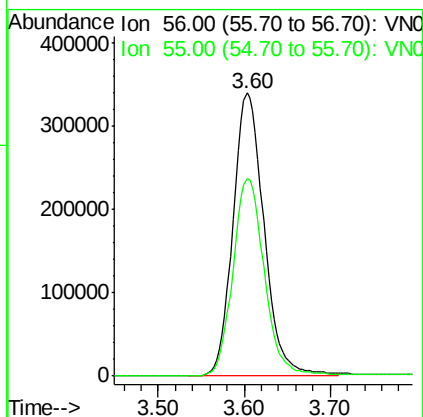
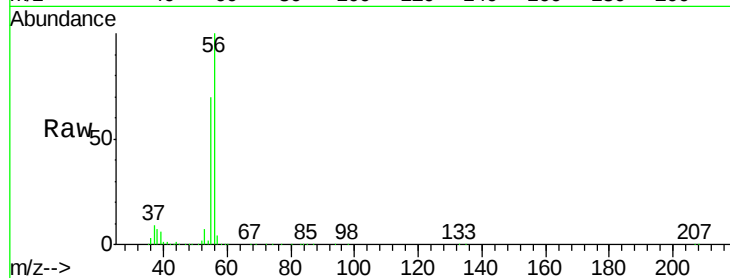
55 70.5 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 131.03 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

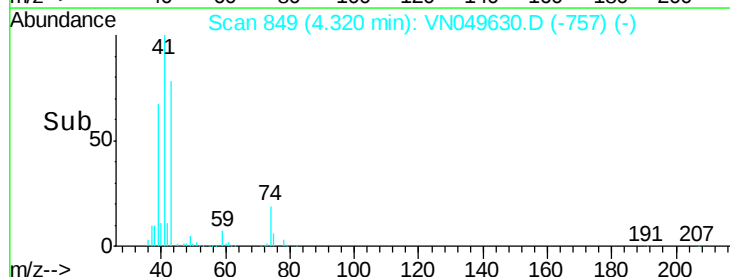
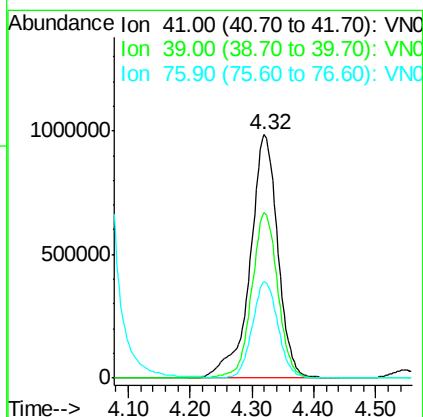
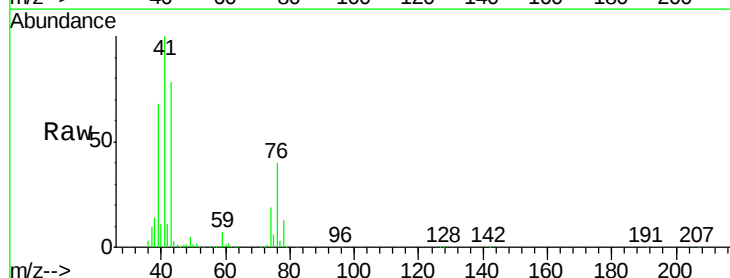
Tgt Ion: 41 Resp: 3065012

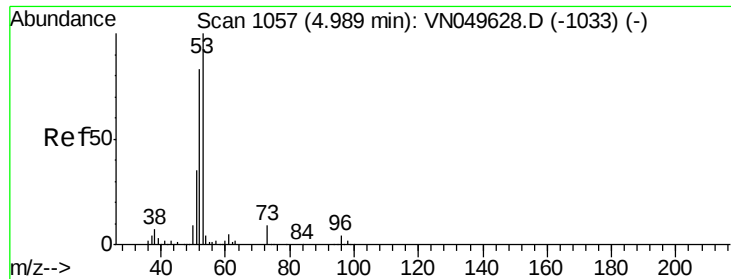
Ion Ratio Lower Upper

41 100

39 64.2 53.2 79.8

76 36.4 29.0 43.6





#15

Acrylonitrile

Concen: 753.67 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 4276896

Ion Ratio Lower Upper

53 100

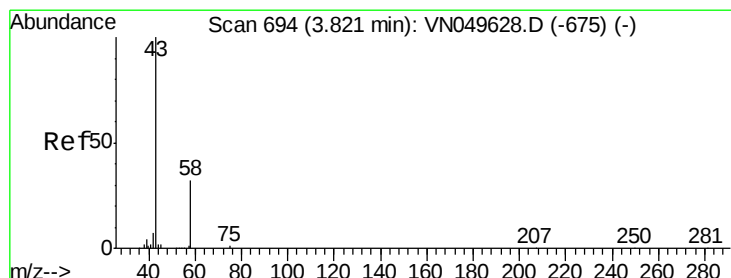
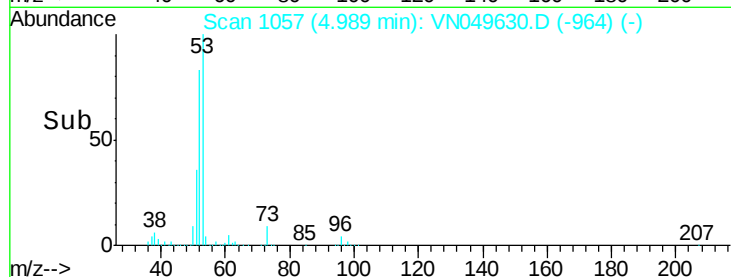
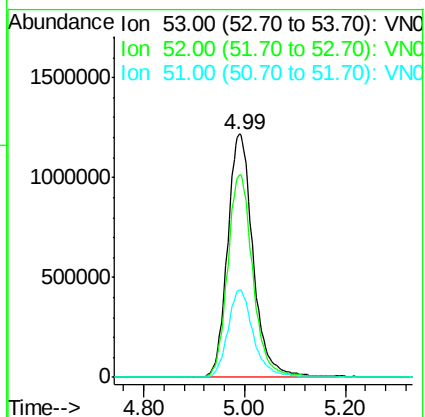
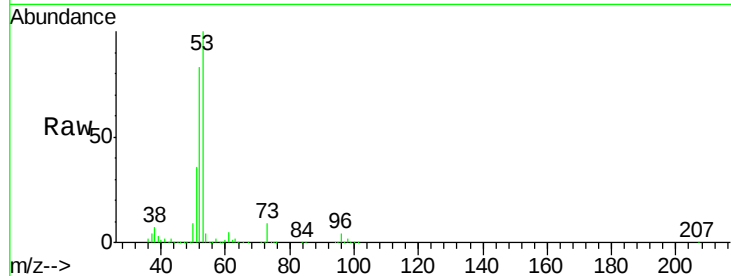
52 82.2 64.8 97.2

51 36.0 28.9 43.3

Manual Integrations
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#16

Acetone

Concen: 582.94 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN049630.D

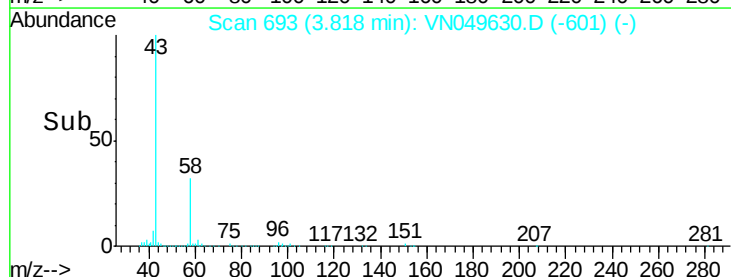
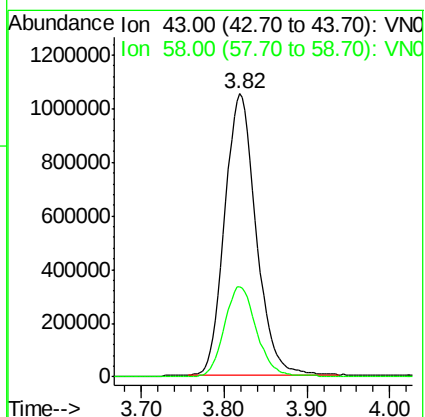
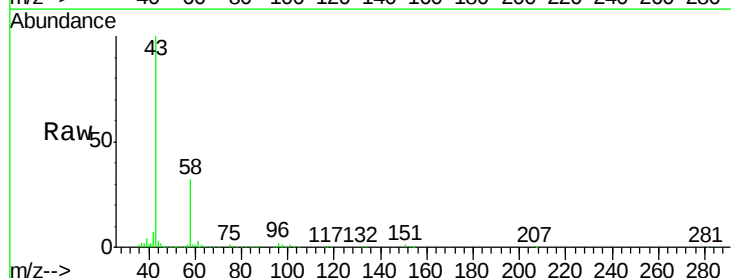
Acq: 29 Jun 2018 13:02

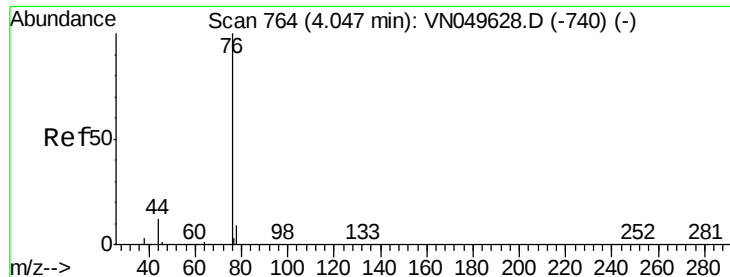
Tgt Ion: 43 Resp: 2764481

Ion Ratio Lower Upper

43 100

58 32.0 25.9 38.9





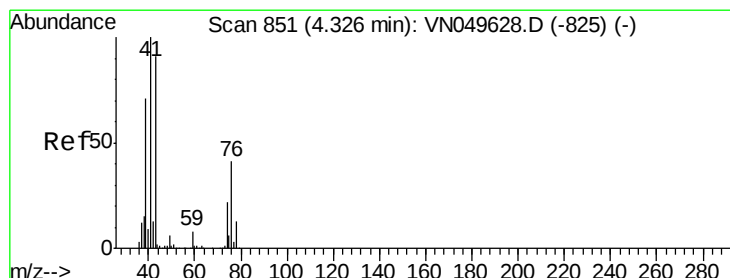
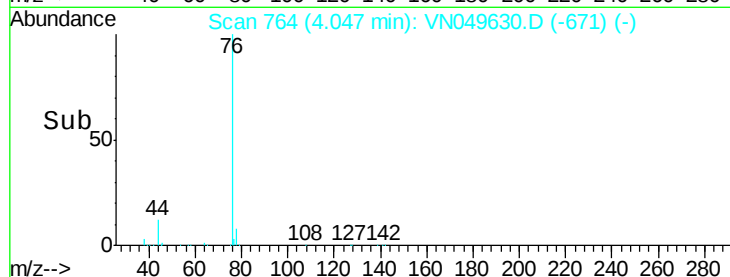
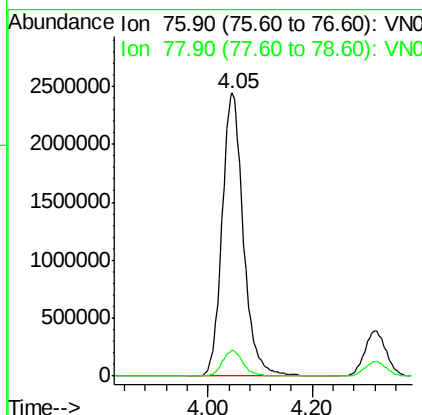
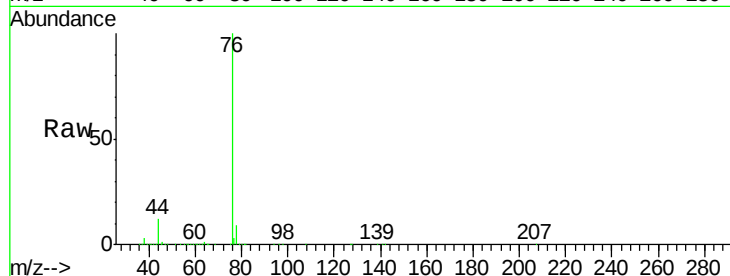
#17
Carbon Disulfide
Concen: 133.69 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 76 Resp: 6901091
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

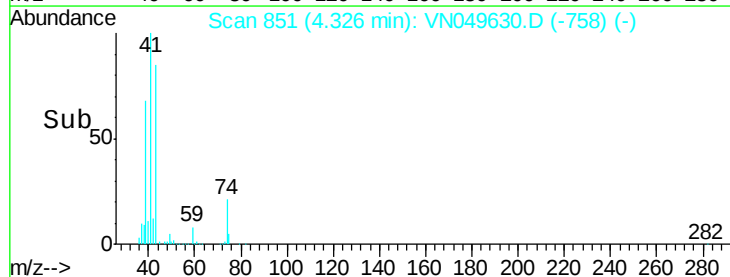
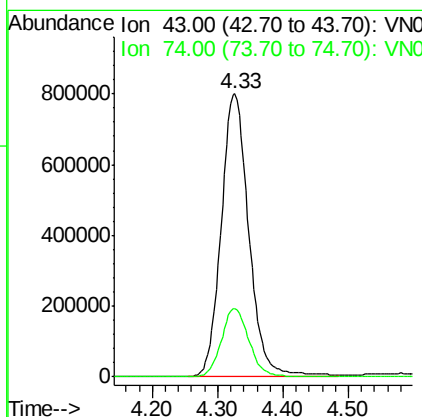
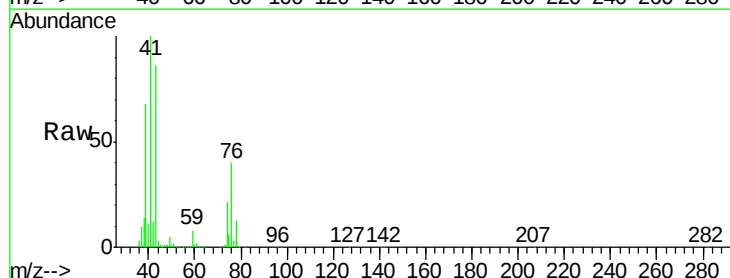
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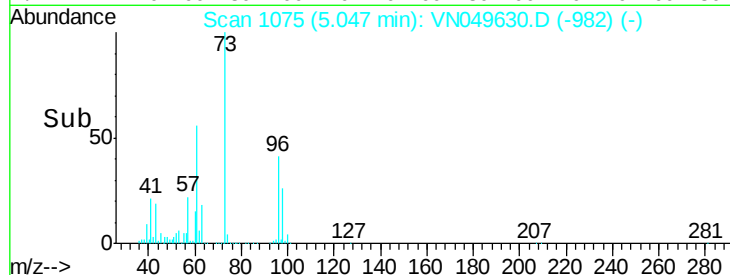
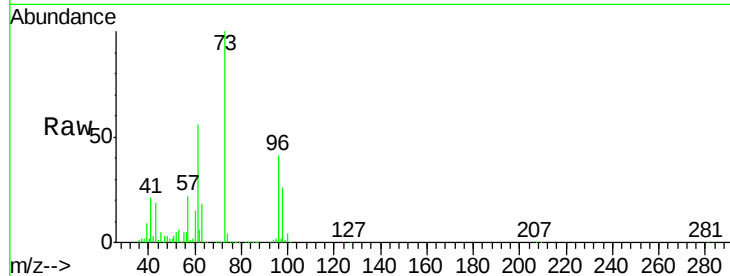
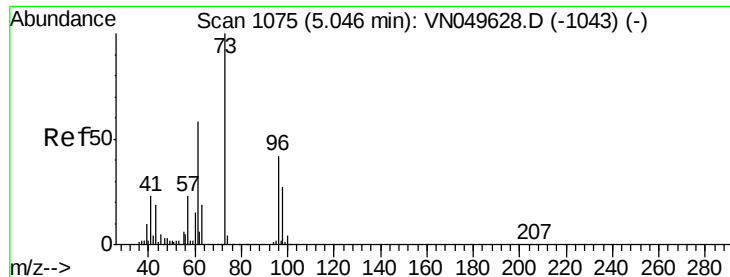
apatel
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#18
Methyl Acetate
Concen: 80.70 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tgt Ion: 43 Resp: 2328568
Ion Ratio Lower Upper
43 100
74 24.4 19.8 29.8





#19

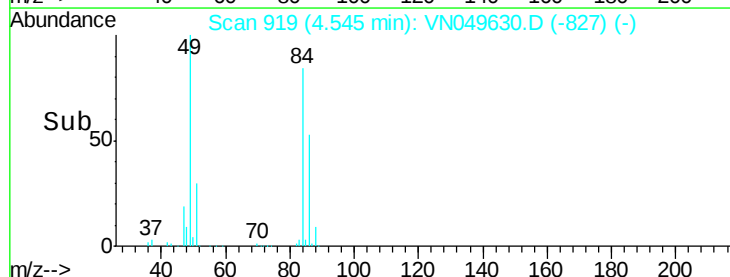
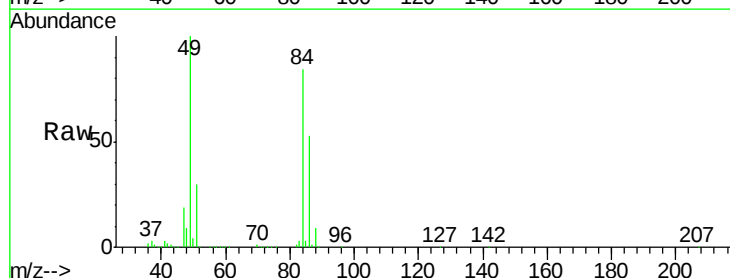
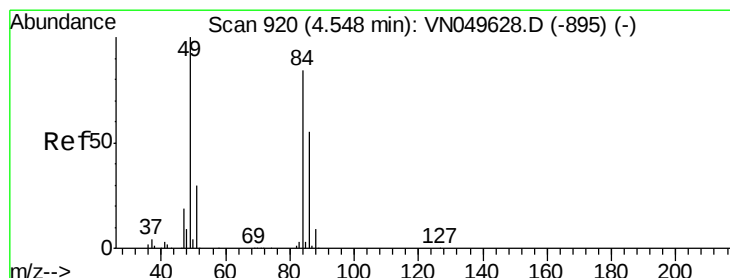
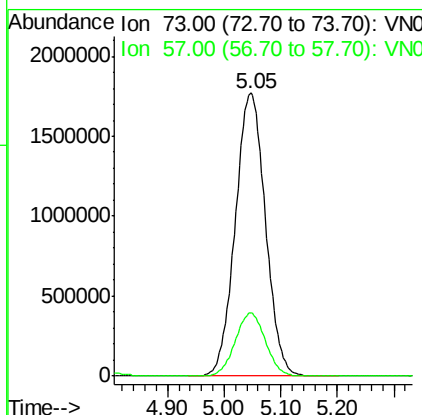
Methyl tert-butyl Ether
Concen: 149.20 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tot Ion: 73 Resp: 6550045
Ion Ratio Lower Upper
73 100
57 22.4 18.1 27.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
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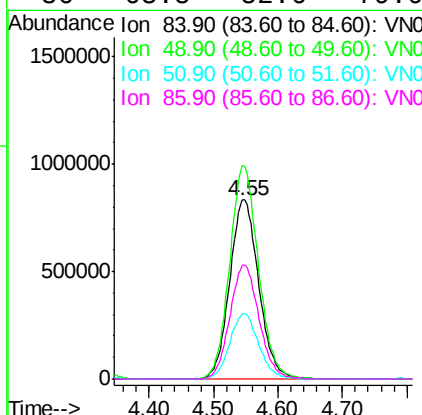
apatel
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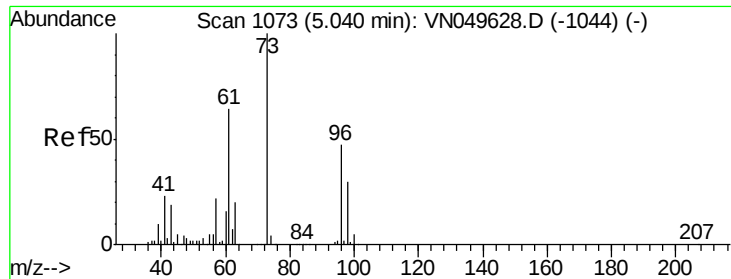


#20

Methylene Chloride
Concen: 132.59 ug/l
RT: 4.55 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tgt Ion: 84 Resp: 2614221
Ion Ratio Lower Upper
84 100
49 119.2 95.4 143.2
51 36.4 28.4 42.6
86 63.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 142.52 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 96 Resp: 2497766

Ion Ratio Lower Upper

96 100

61 138.4 109.0 163.6

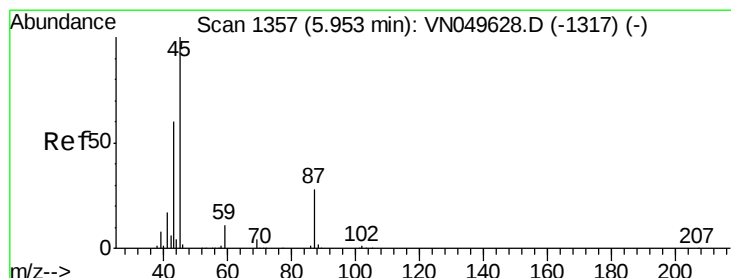
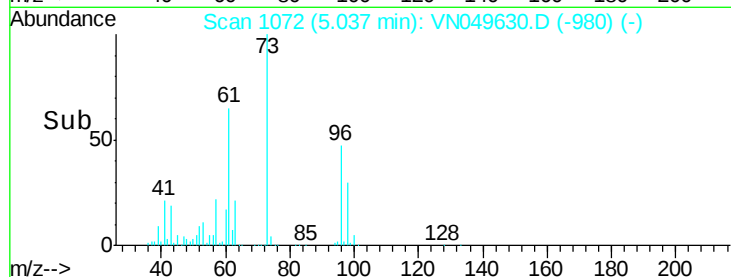
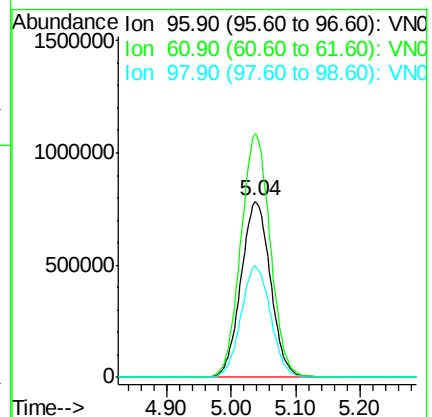
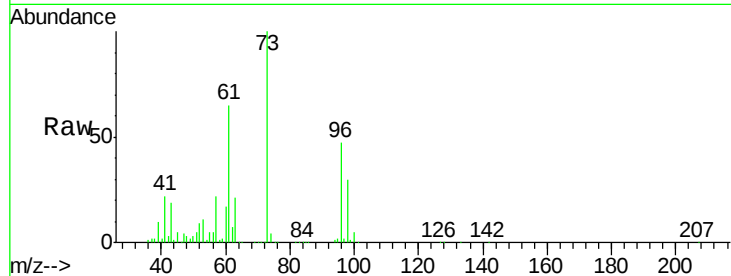
98 63.2 51.1 76.7

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#22

Diisopropyl ether

Concen: 149.12 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Tgt Ion: 45 Resp: 7891954

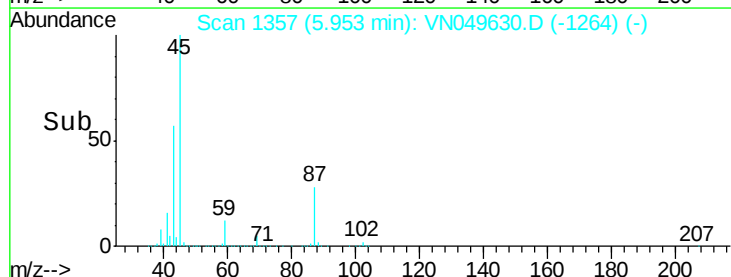
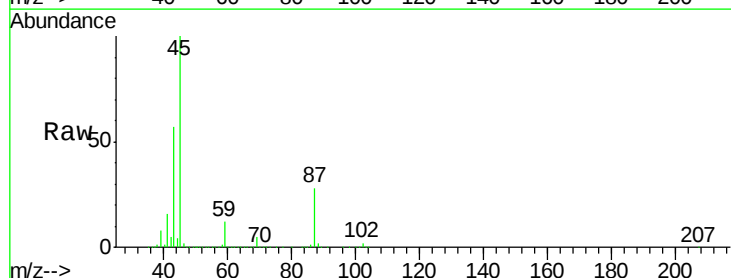
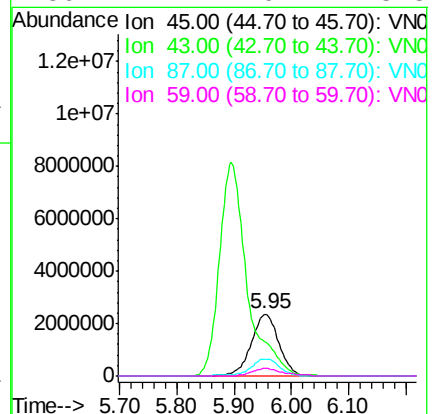
Ion Ratio Lower Upper

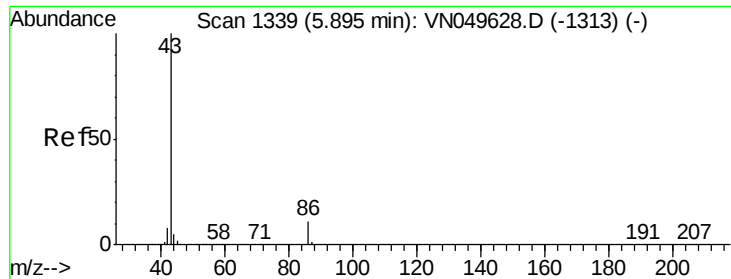
45 100

43 56.0 48.1 72.1

87 27.9 22.6 34.0

59 11.7 9.2 13.8





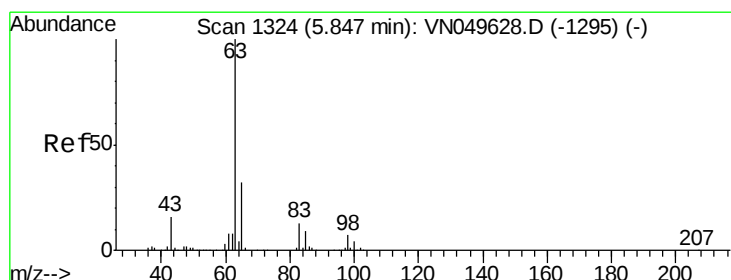
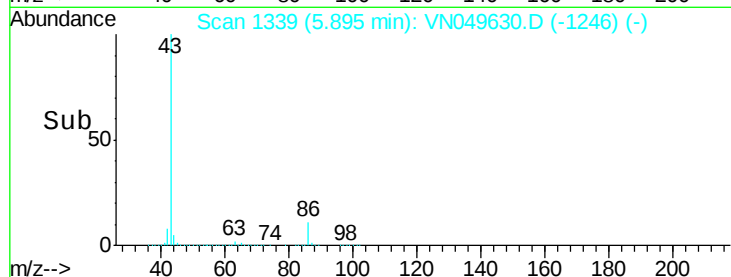
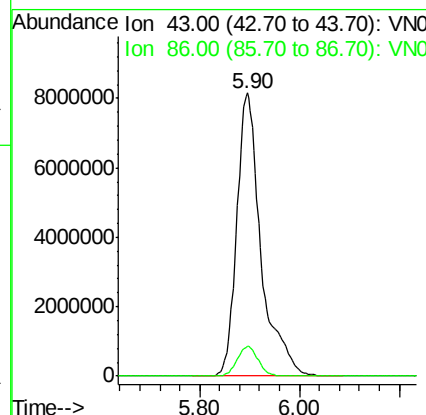
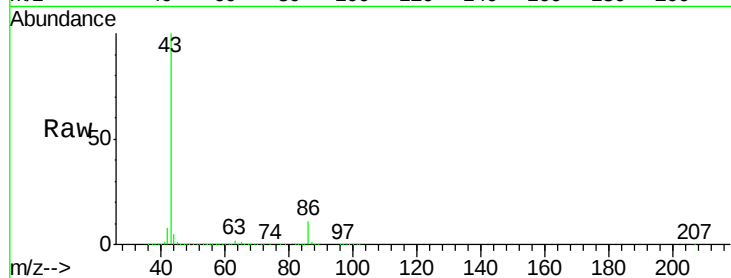
#23
 Vinyl Acetate
 Concen: 801.68 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 27512963
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6

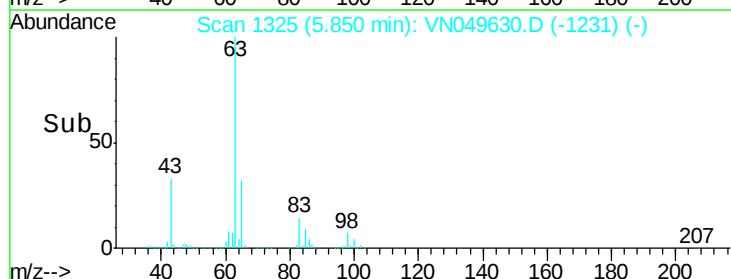
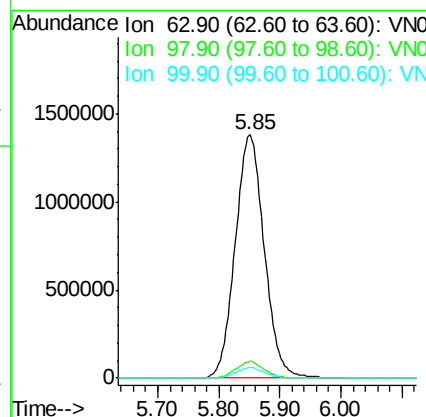
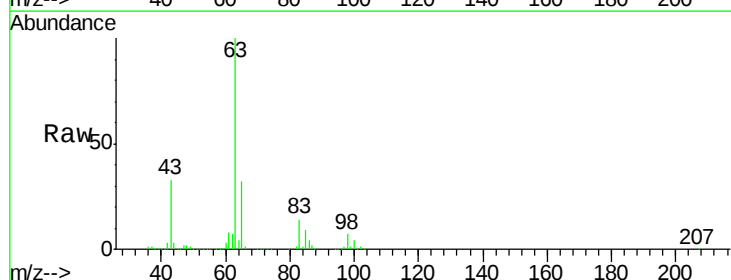
Manual Integrations
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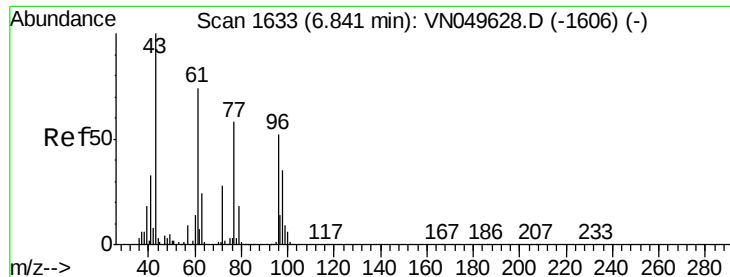
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#24
 1,1-Dichloroethane
 Concen: 137.23 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

Tgt Ion: 63 Resp: 4575387
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 747.75 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4753038

Ion Ratio Lower Upper

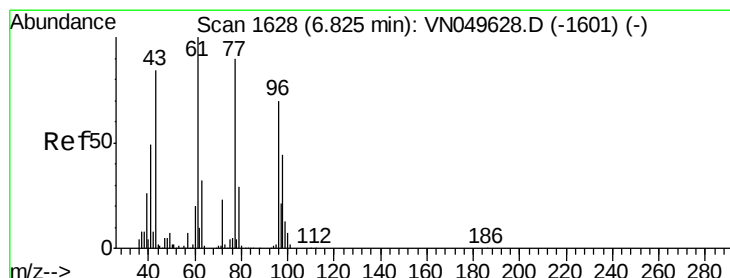
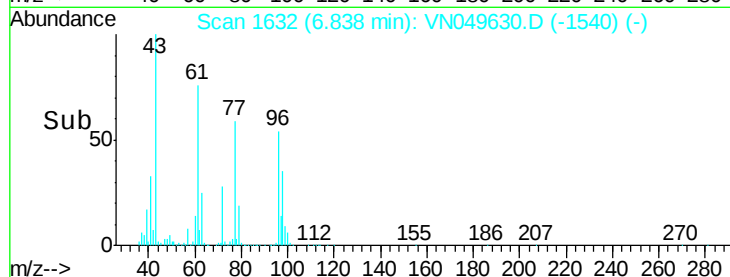
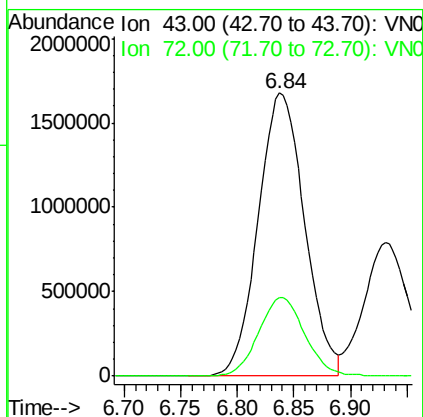
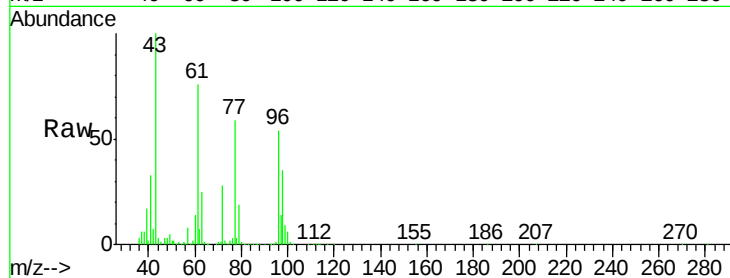
43 100

72 27.8 22.1 33.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 138.06 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049630.D

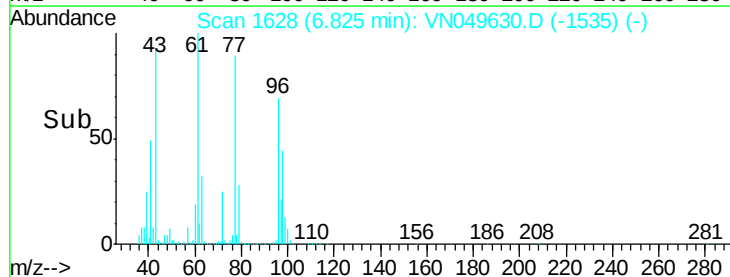
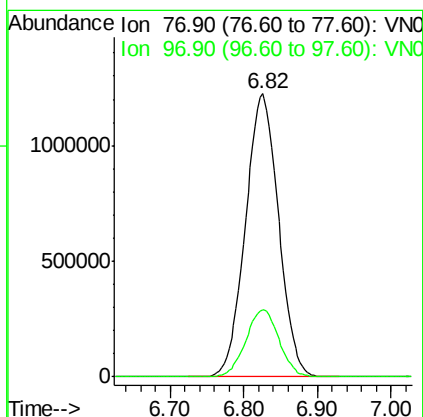
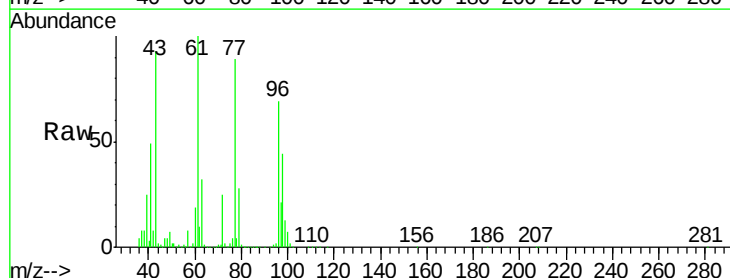
Acq: 29 Jun 2018 13:02

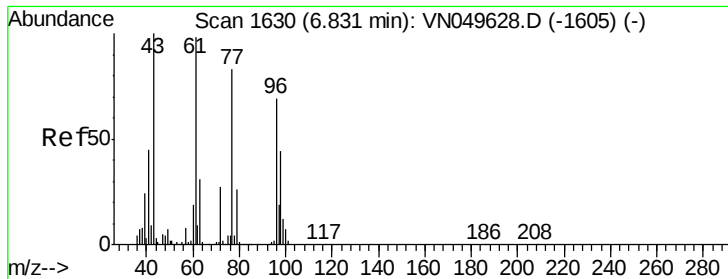
Tgt Ion: 77 Resp: 3823075

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 146.99 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 2877648

Ion Ratio Lower Upper

96 100

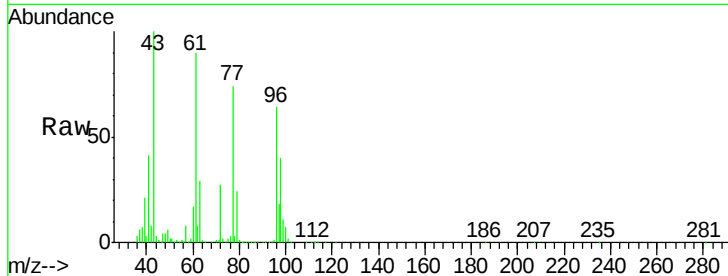
61 143.0 0.0 289.0

98 64.5 0.0 130.2

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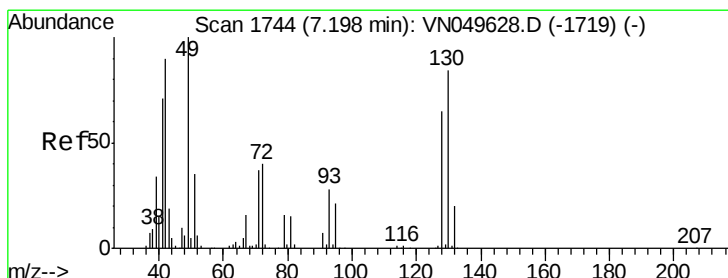
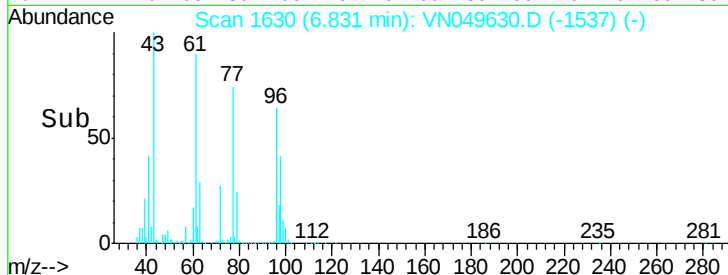
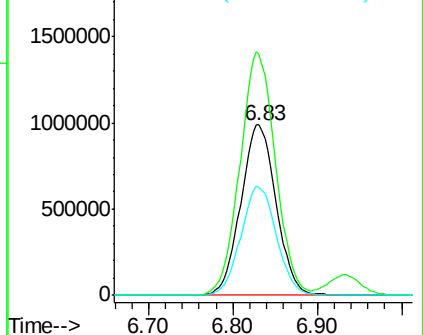
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Abundance Ion 95.90 (95.60 to 96.60): VN049628.D (-1605) (-)

Ion 60.90 (60.60 to 61.60): VN049628.D (-1605) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-1605) (-)



#28

Bromochloromethane

Concen: 146.11 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

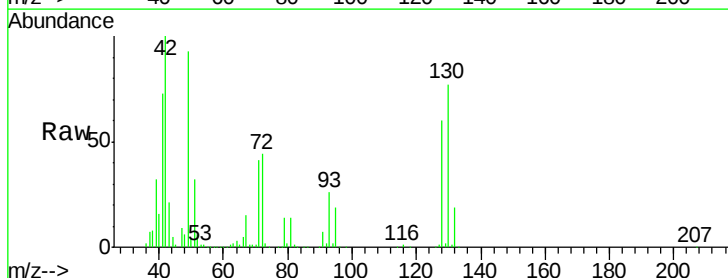
Tgt Ion: 49 Resp: 2067451

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.2

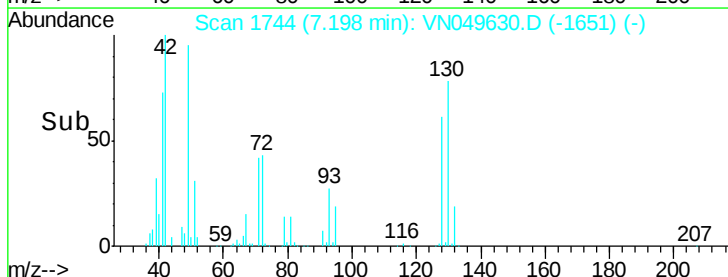
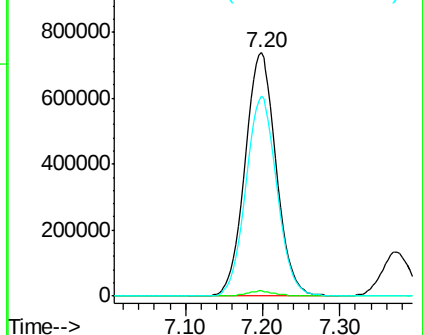
130 82.5 65.5 98.3

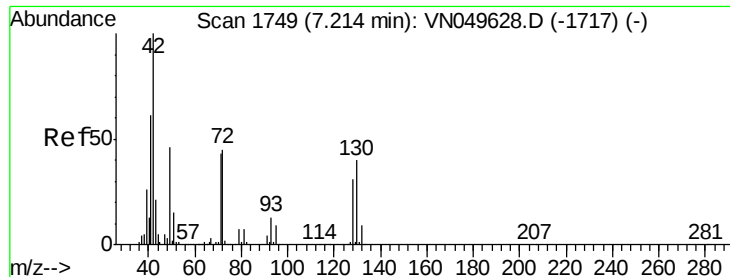


Abundance Ion 48.90 (48.60 to 49.60): VN049628.D (-1719) (-)

Ion 128.80 (128.50 to 129.50): VN049628.D (-1719) (-)

Ion 129.80 (129.50 to 130.50): VN049628.D (-1719) (-)





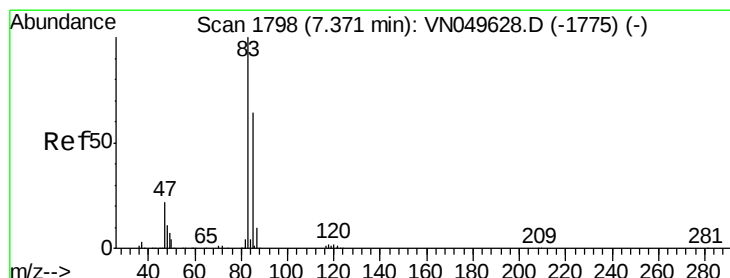
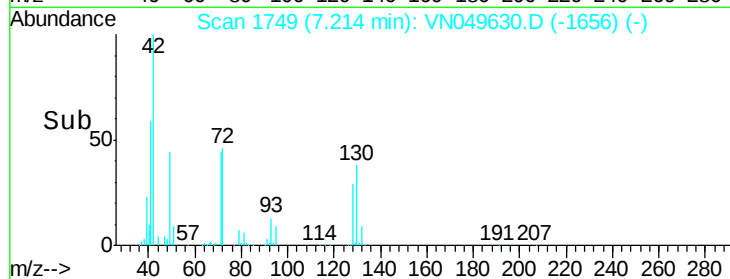
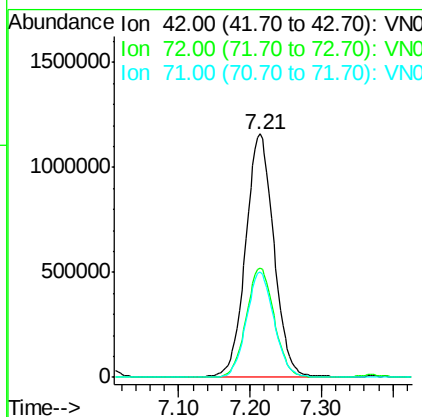
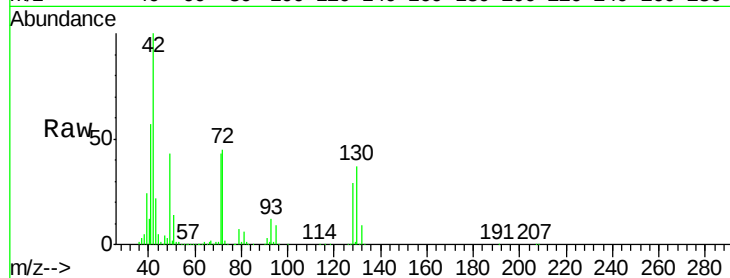
#29
Tetrahydrofuran
Concen: 787.09 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 42 Resp: 3188793
Ion Ratio Lower Upper
42 100
72 44.5 35.6 53.4
71 42.4 34.0 51.0

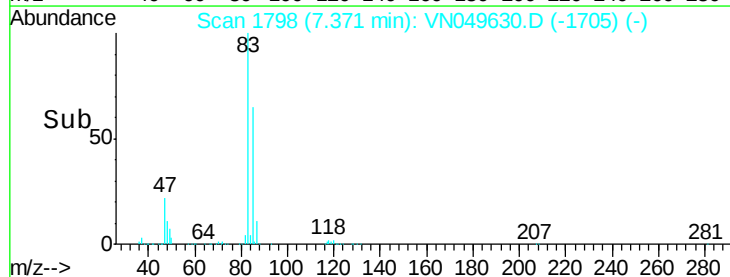
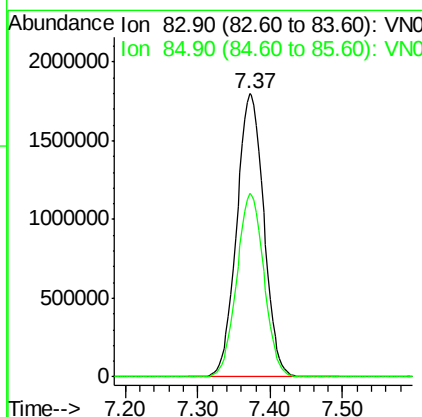
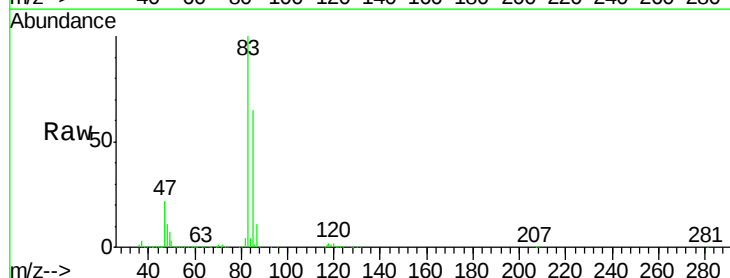
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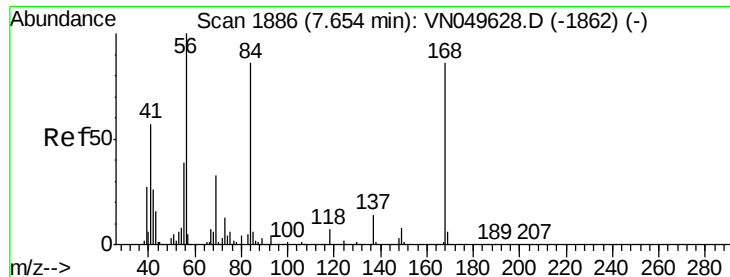
apatel
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#30
Chloroform
Concen: 137.84 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tgt Ion: 83 Resp: 4684837
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.2





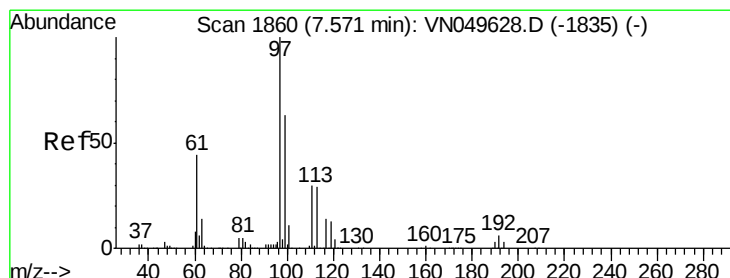
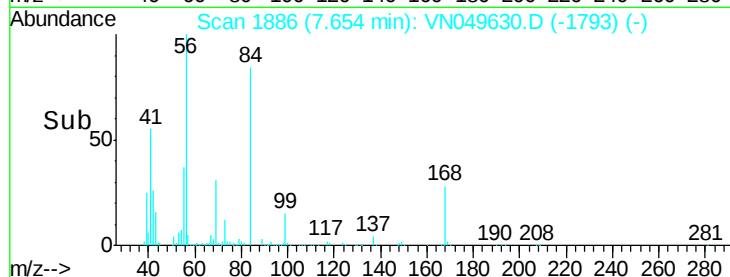
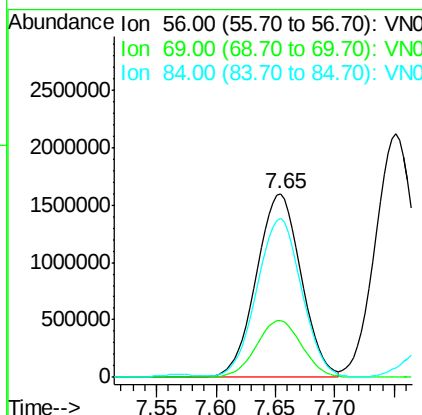
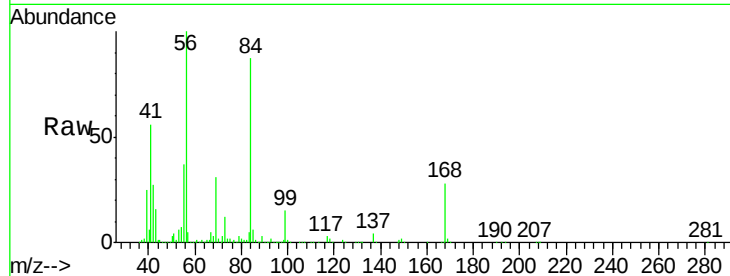
#31
Cyclohexane
Concen: 127.18 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 56 Resp: 4175466
Ion Ratio Lower Upper
56 100
69 30.9 26.6 40.0
84 85.2 69.0 103.6

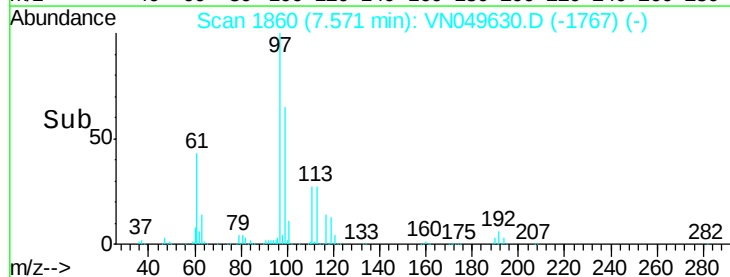
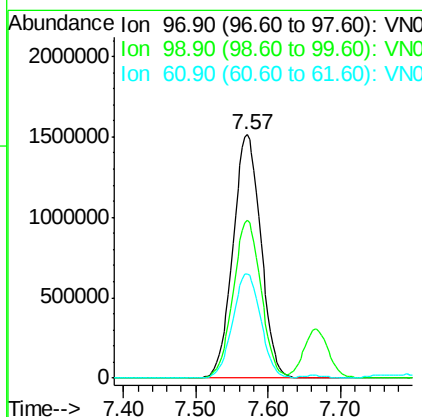
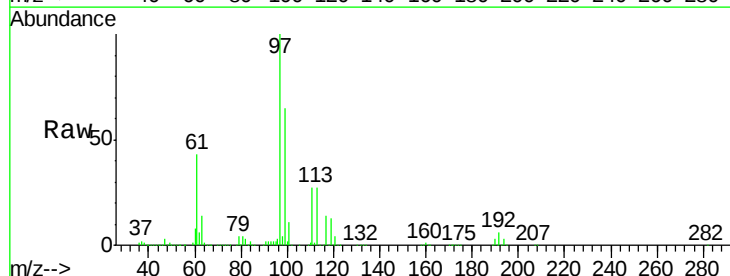
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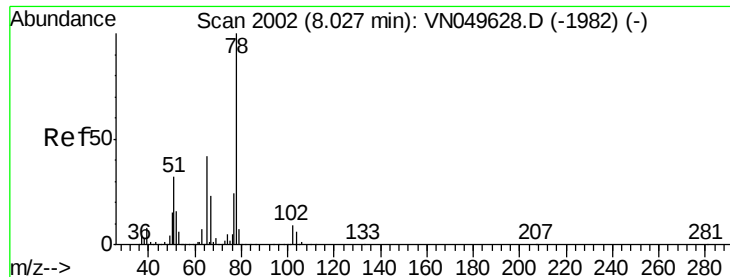
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#32
1,1,1-Trichloroethane
Concen: 140.93 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tgt Ion: 97 Resp: 4054996
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.4
61 43.1 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 143.61 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 2749771

Ion Ratio Lower Upper

65 100

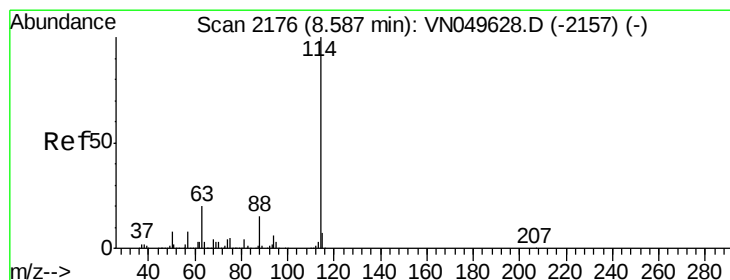
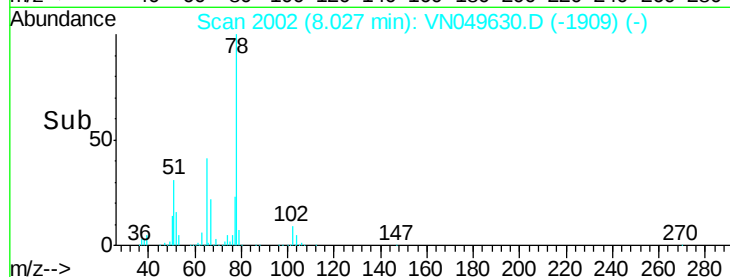
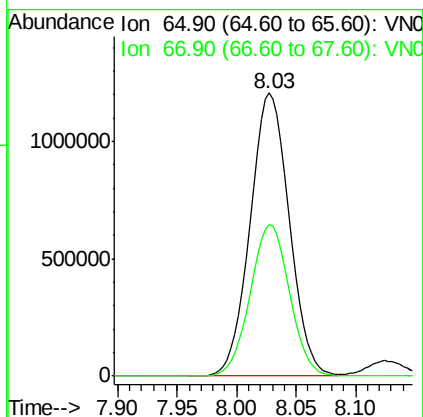
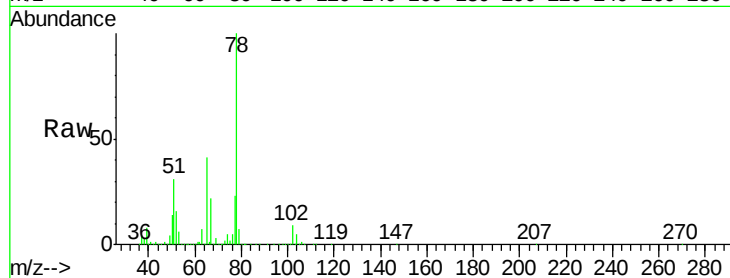
67 53.9 0.0 107.2

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

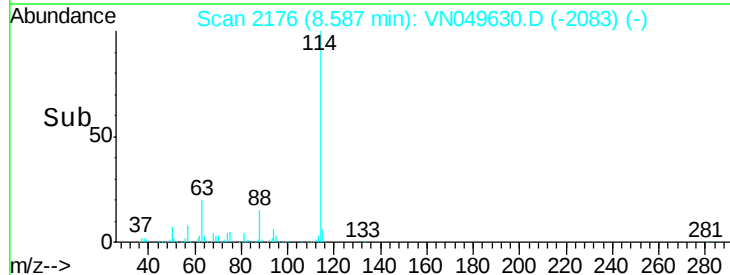
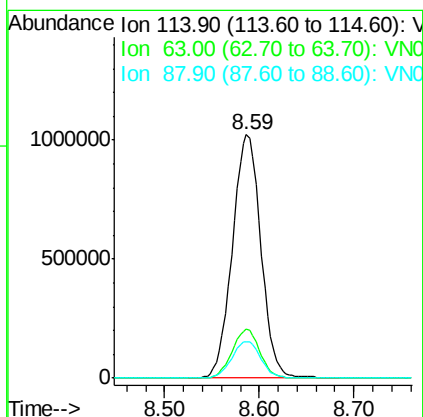
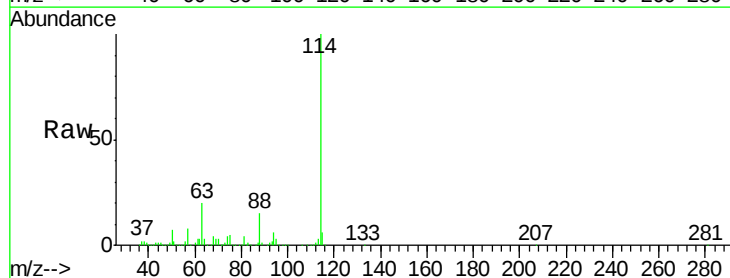
Tgt Ion: 114 Resp: 2139879

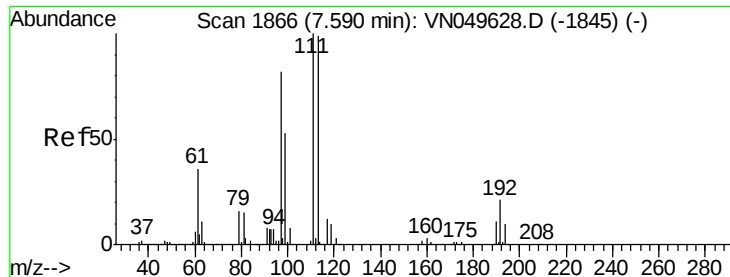
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

88 15.0 0.0 30.6





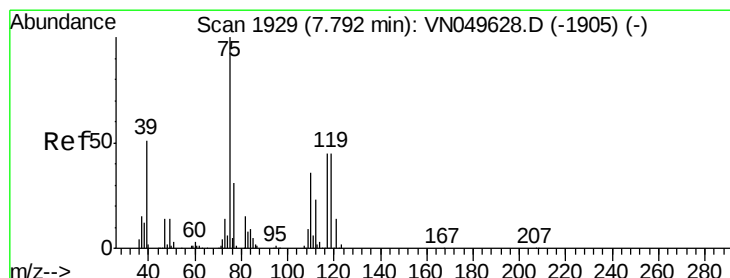
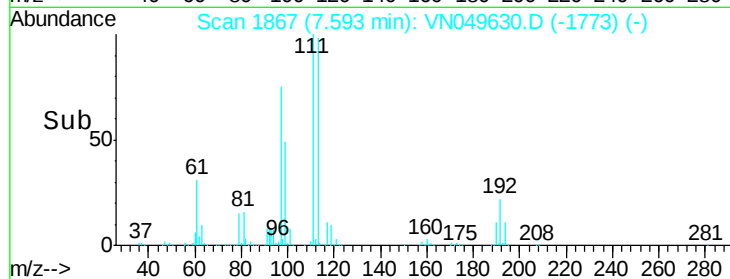
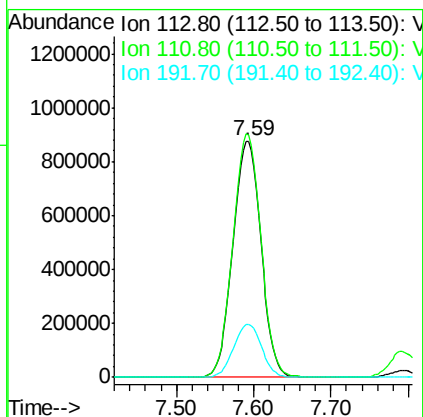
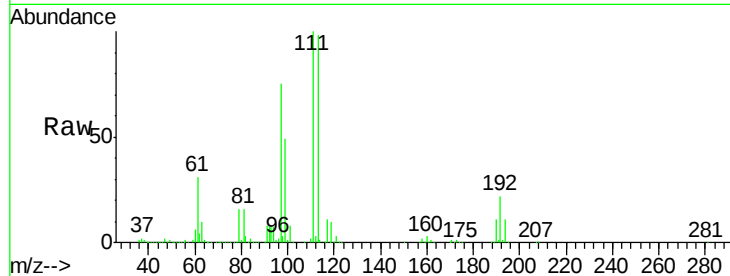
#35
Dibromofluoromethane
Concen: 137.73 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.8
192	22.4	17.8	26.6

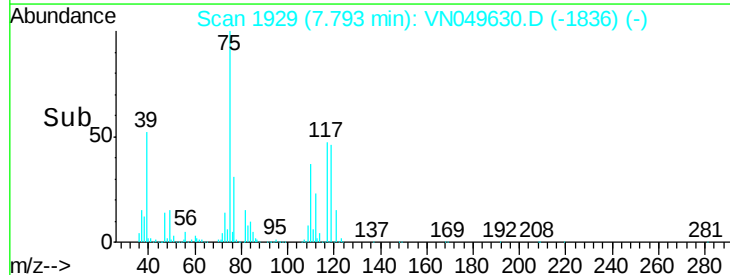
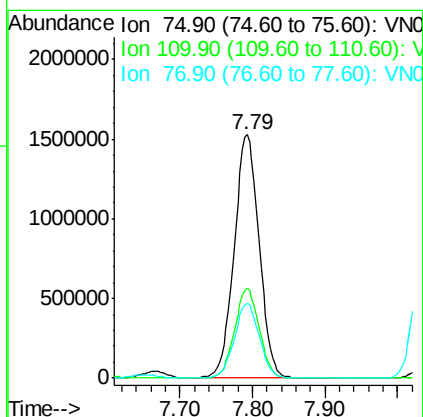
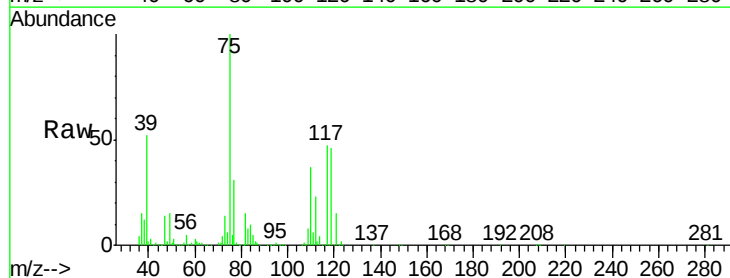
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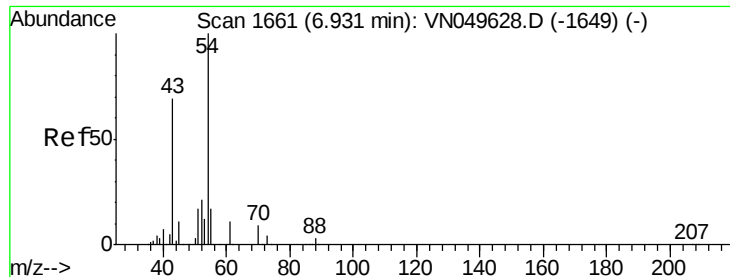
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#36
1,1-Dichloropropene
Concen: 151.64 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.4
77	30.9	24.9	37.3





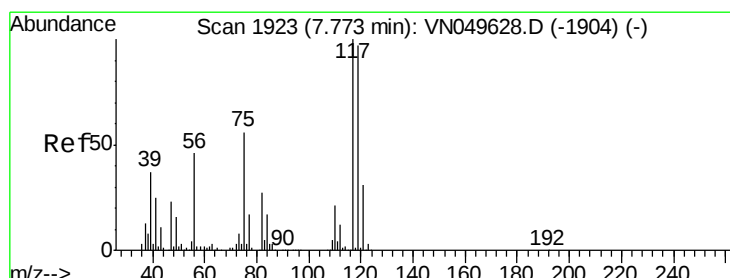
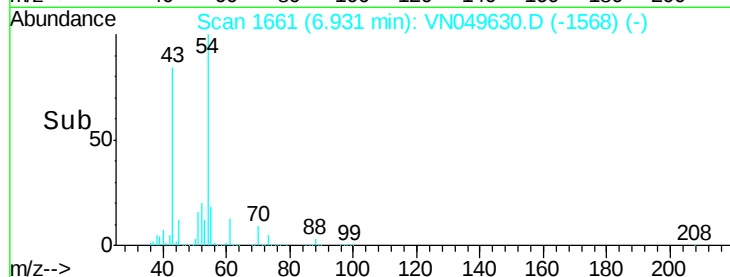
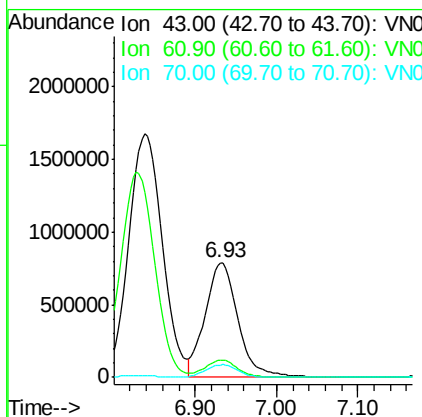
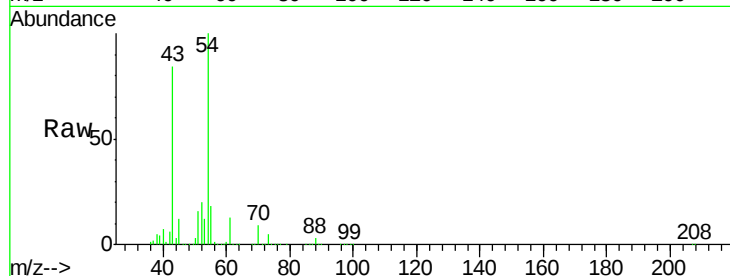
#37
Ethyl Acetate
Concen: 157.38 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 2209965
Ion Ratio Lower Upper
43 100
61 14.7 11.7 17.5
70 10.7 8.4 12.6

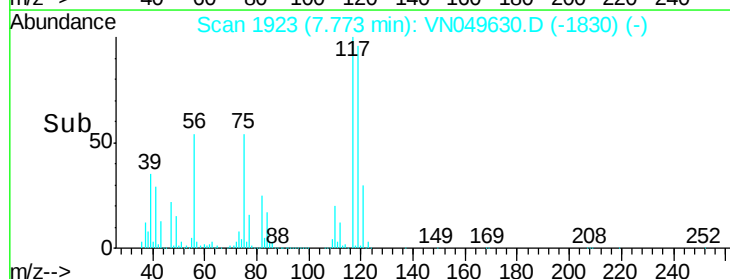
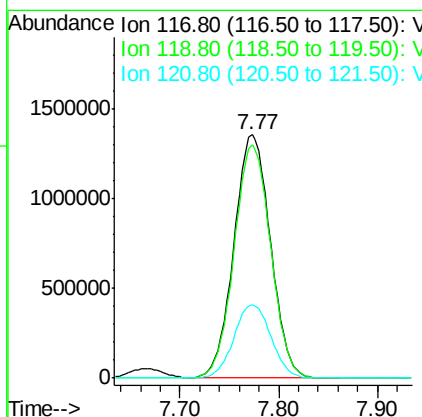
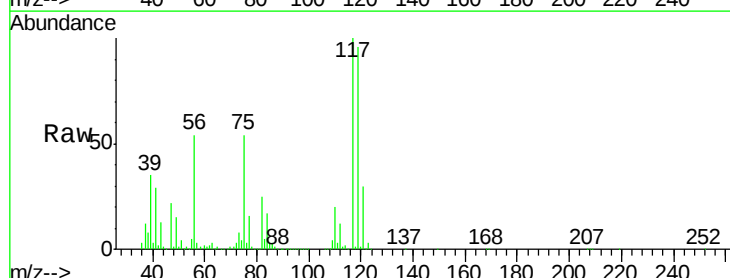
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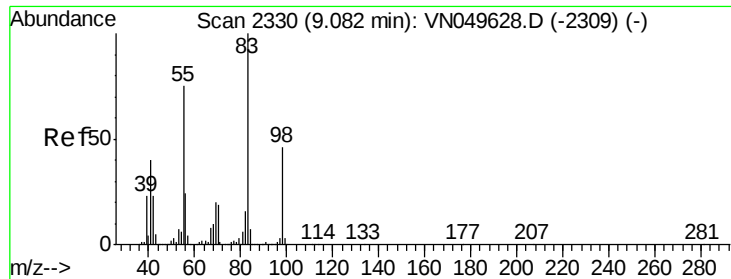
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#38
Carbon Tetrachloride
Concen: 148.14 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tgt Ion: 117 Resp: 3469255
Ion Ratio Lower Upper
117 100
119 95.7 77.2 115.8
121 30.1 25.0 37.6





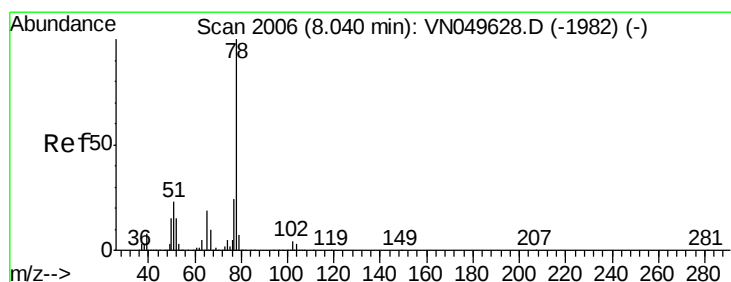
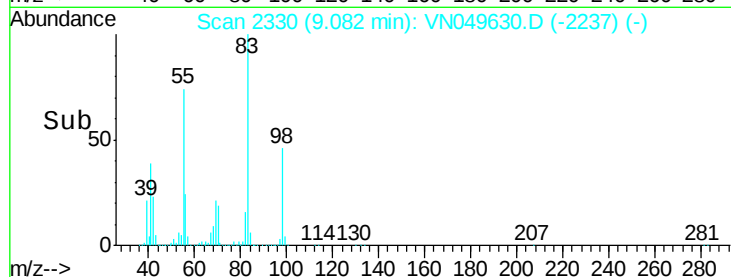
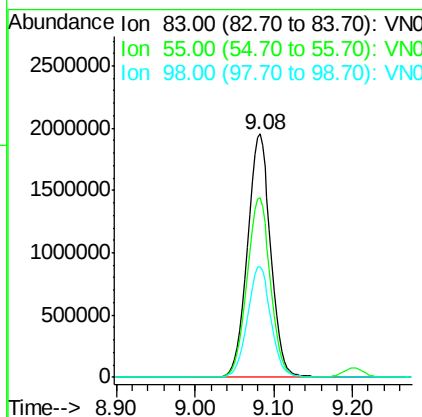
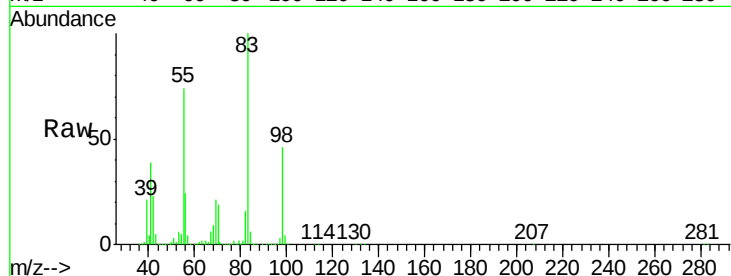
#39
Methvlcvclohexane
Concen: 154.78 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	59.7	89.5
98	45.5	36.5	54.7

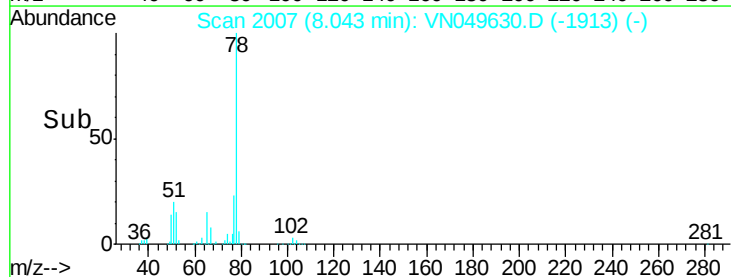
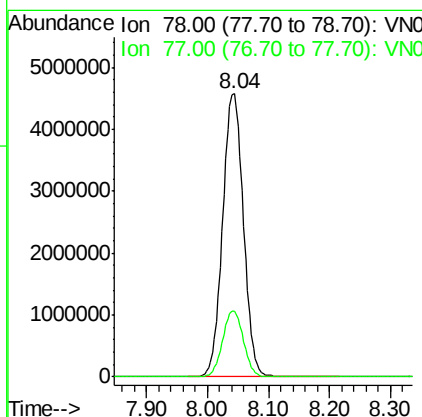
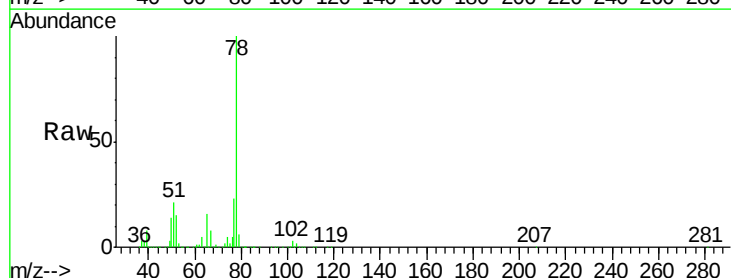
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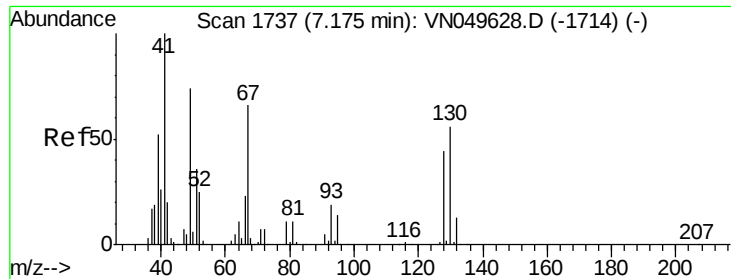
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#40
Benzene
Concen: 146.45 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





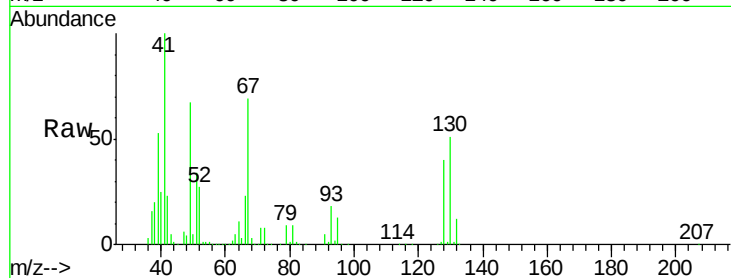
#41
Methacrylonitrile
Concen: 172.76 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.8	45.4	68.2
67	78.8	65.4	98.0
52	30.7	24.7	37.1

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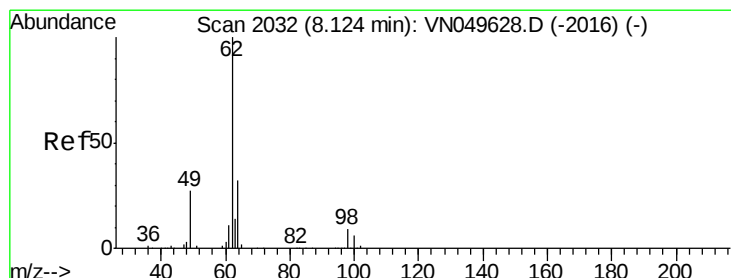
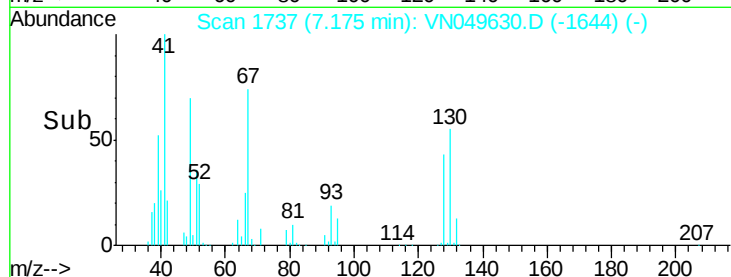
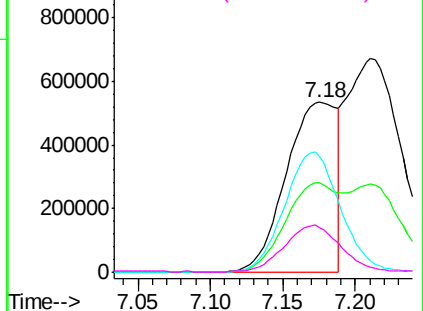
Abundance

Ion 41.00 (40.70 to 41.70): VN049628.D (-1714) (-)

Ion 39.00 (38.70 to 39.70): VN049628.D (-1714) (-)

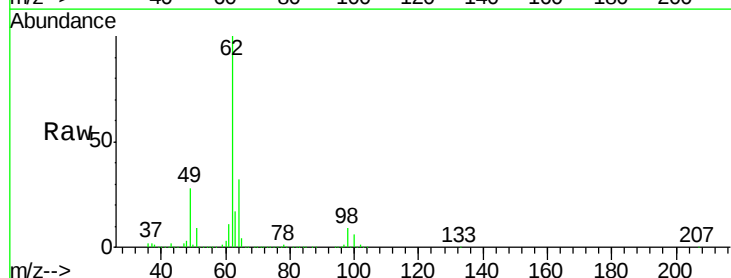
Ion 67.00 (66.70 to 67.70): VN049628.D (-1714) (-)

Ion 52.00 (51.70 to 52.70): VN049628.D (-1714) (-)



#42
1,2-Dichloroethane
Concen: 142.67 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

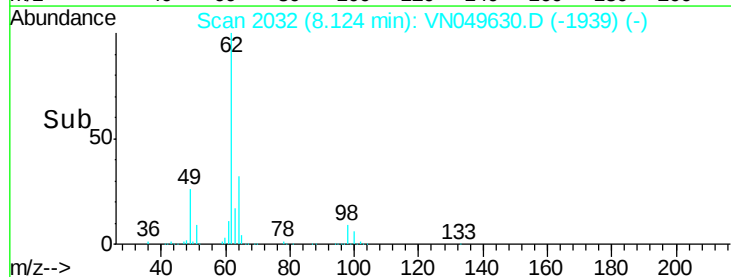
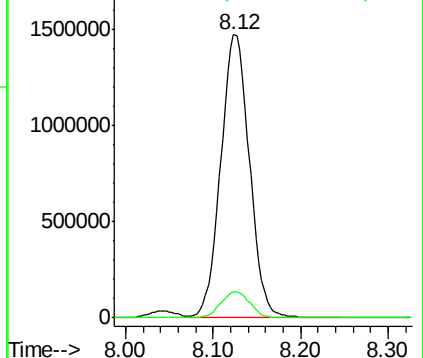
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0

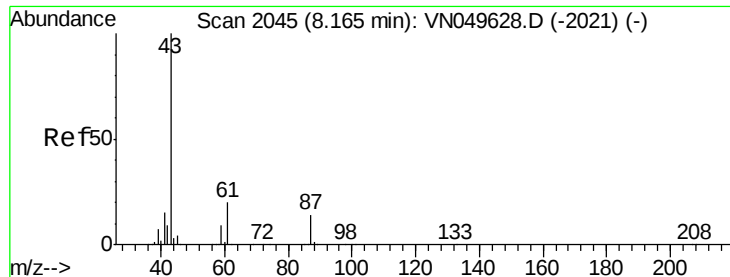


Abundance

Ion 61.90 (61.60 to 62.60): VN049628.D (-1916) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-1916) (-)





#43

Isopropyl Acetate

Concen: 124.01 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4114405

Ion Ratio Lower Upper

43 100

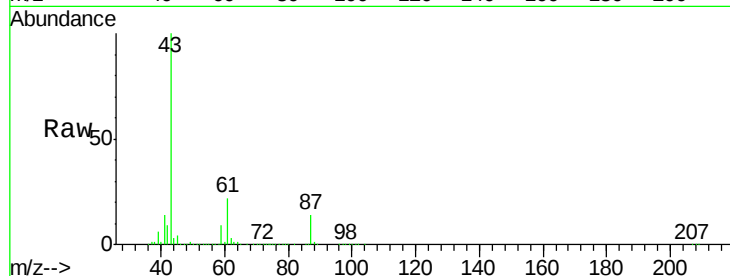
61 29.0 14.9 22.3#

87 13.6 10.0 15.0

Manual Integrations
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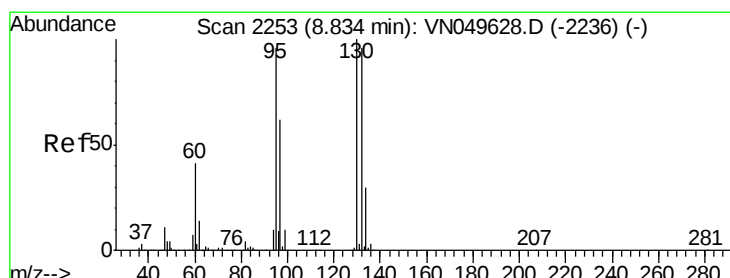
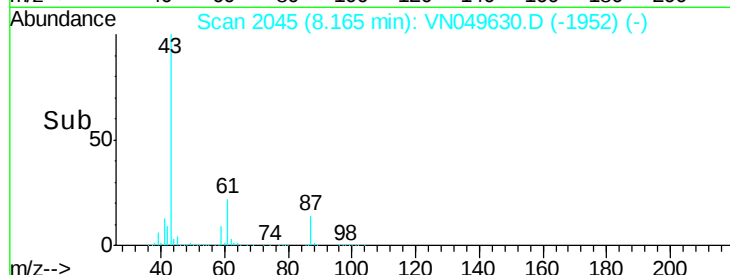
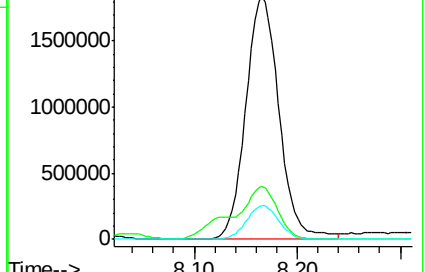
7/2/2018 2:19:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-2021) (-)

Ion 61.00 (60.70 to 61.70): VN049628.D (-2021) (-)

Ion 87.00 (86.70 to 87.70): VN049628.D (-2021) (-)



#44

Trichloroethene

Concen: 141.72 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049630.D

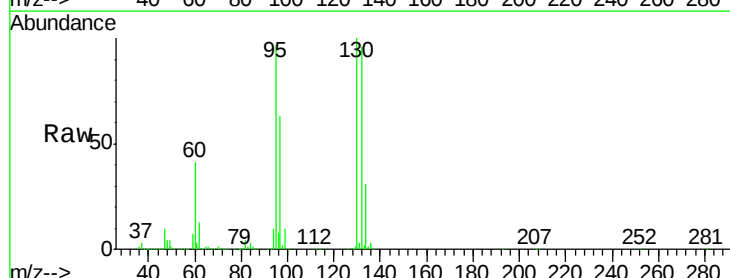
Acq: 29 Jun 2018 13:02

Tgt Ion:130 Resp: 3141874

Ion Ratio Lower Upper

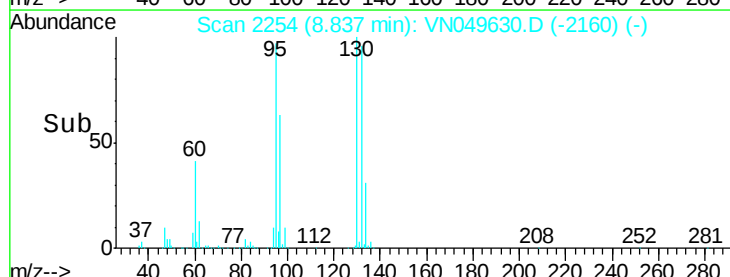
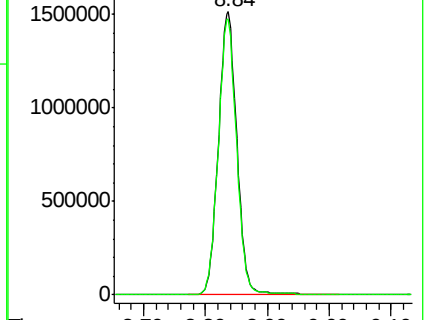
130 100

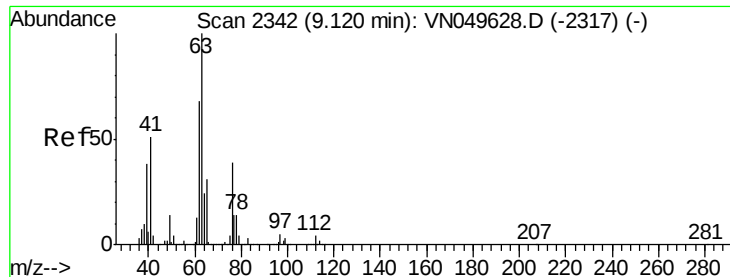
95 97.5 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049628.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049628.D (-2236) (-)





#45

1,2-Dichloropropane

Concen: 147.82 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 2807569

Ion Ratio Lower Upper

63 100

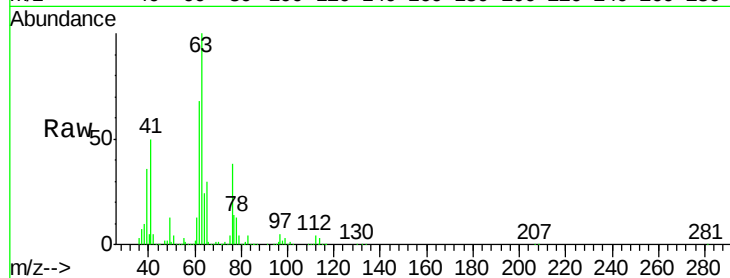
65 30.4 24.7 37.1

Manual Integrations

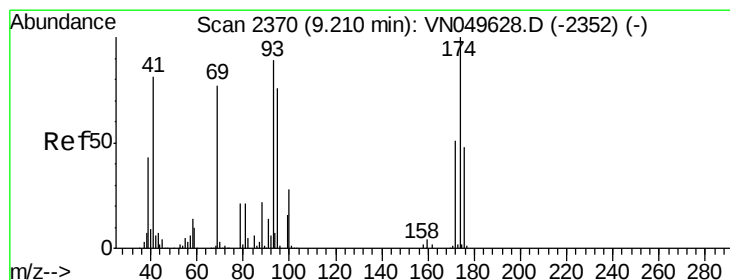
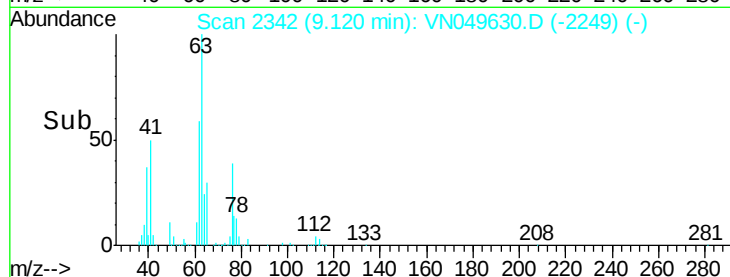
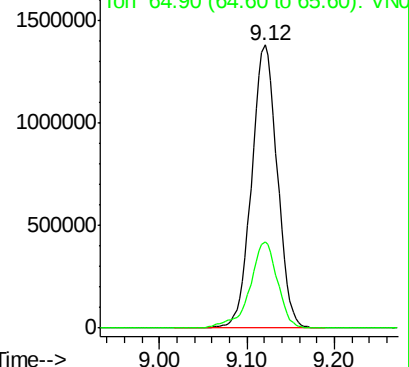
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Abundance Ion 62.90 (62.60 to 63.60): VN049628.D (-2317) (-)



#46

Dibromomethane

Concen: 146.49 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

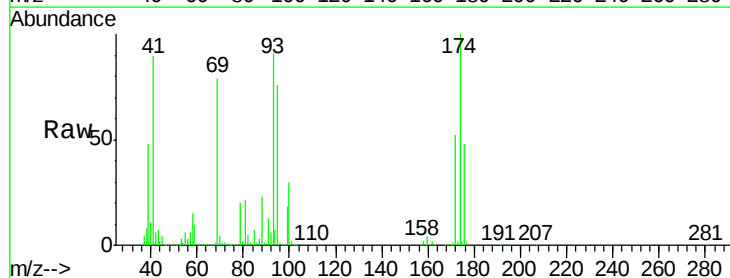
Tgt Ion: 93 Resp: 1683185

Ion Ratio Lower Upper

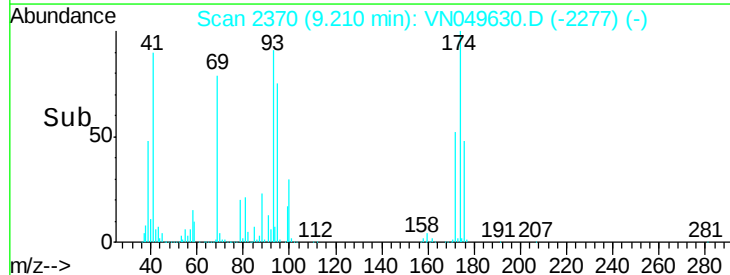
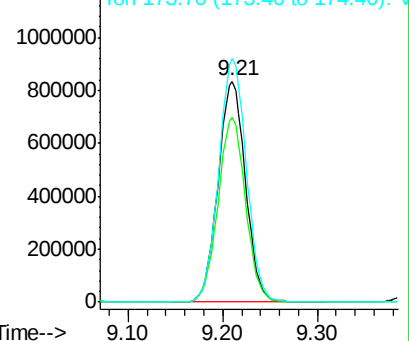
93 100

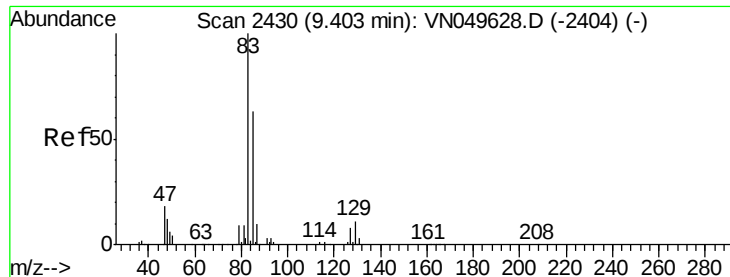
95 83.5 67.9 101.9

174 111.0 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN049628.D (-2352) (-)





#47

Bromodichloromethane

Concen: 147.71 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 3612878

Ion Ratio Lower Upper

83 100

85 65.0 50.5 75.7

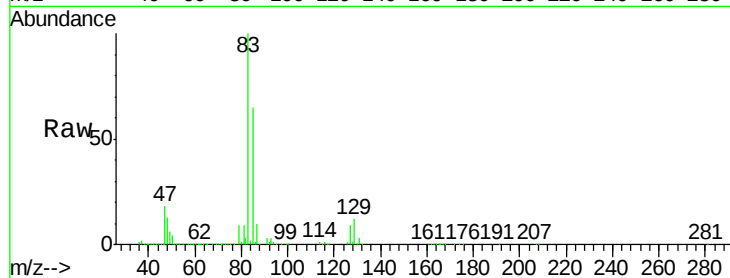
127 8.9 6.8 10.2

Manual Integrations

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Abundance Ion 82.90 (82.60 to 83.60): VN049630.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049630.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049630.D (-2337) (-)

2500000

2000000

1500000

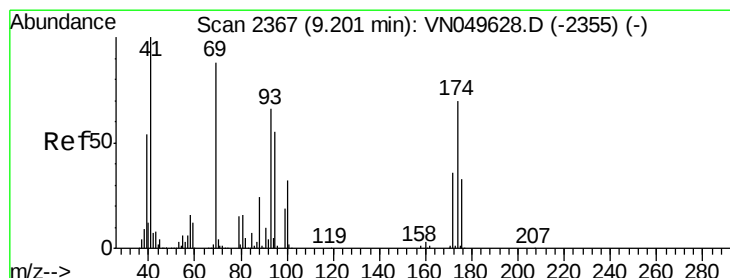
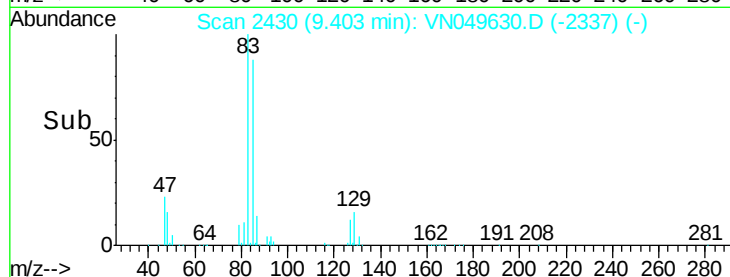
1000000

500000

0

9.30 9.40 9.50

Time-->



#48

Methyl methacrylate

Concen: 161.88 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

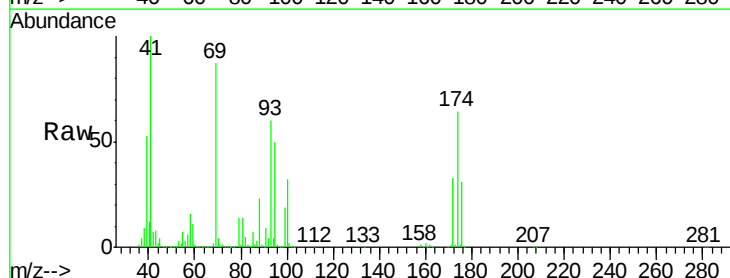
Tgt Ion: 41 Resp: 2019984

Ion Ratio Lower Upper

41 100

69 90.9 71.5 107.3

39 55.1 44.7 67.1



Abundance Ion 41.00 (40.70 to 41.70): VN049630.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049630.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049630.D (-2274) (-)

1500000

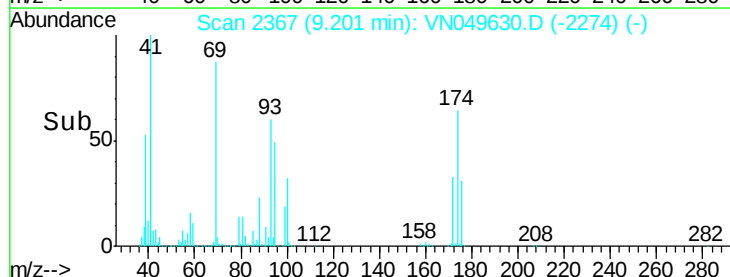
1000000

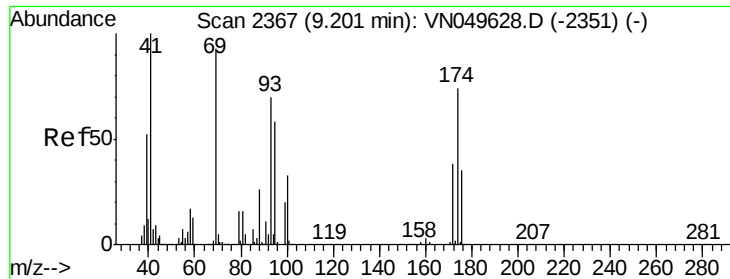
500000

0

9.15 9.20 9.25

Time-->





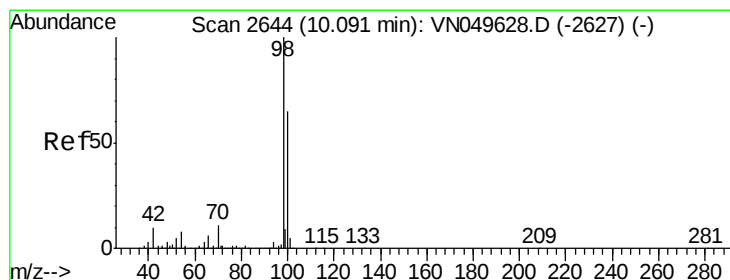
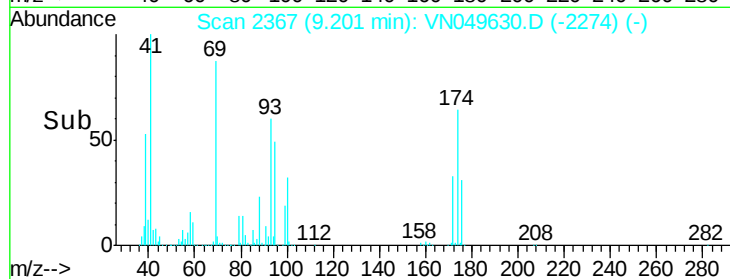
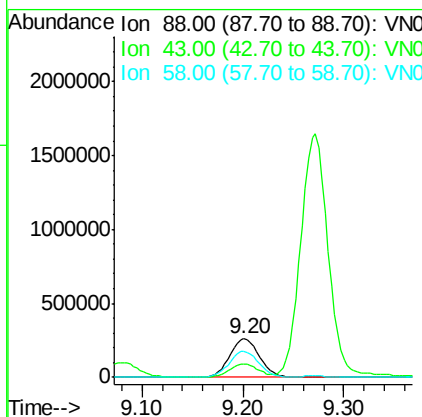
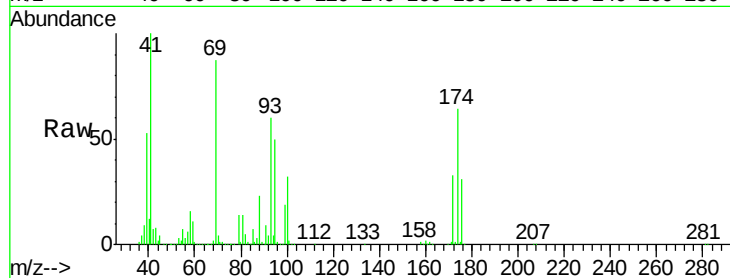
#49
1,4-Dioxane
Concen: 3226.54 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.1	37.7
58	66.9	52.5	78.7

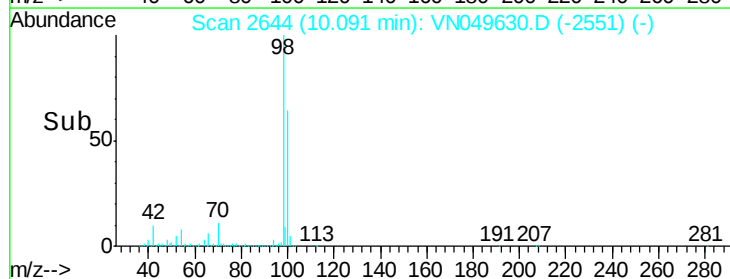
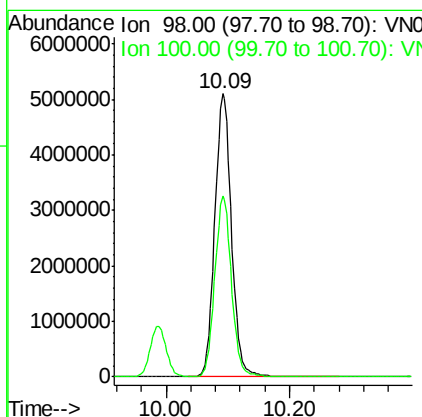
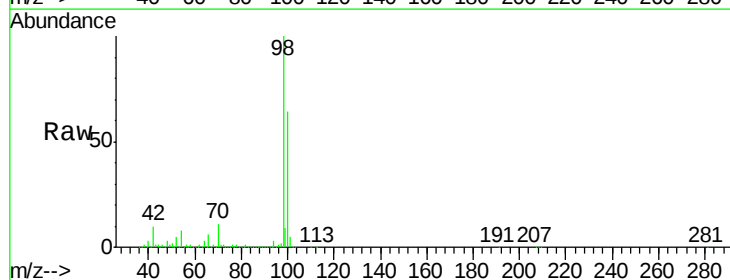
Manual Integrations
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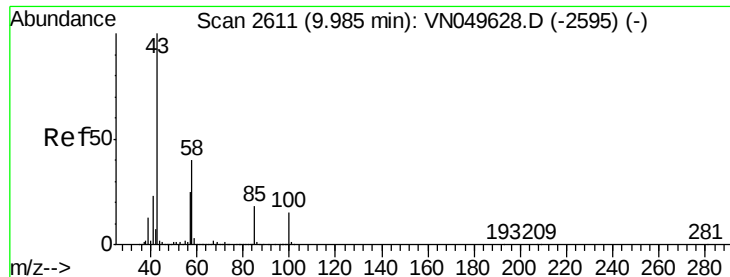
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#50
Toluene-d8
Concen: 152.05 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 788.74 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 10858966

Ion Ratio Lower Upper

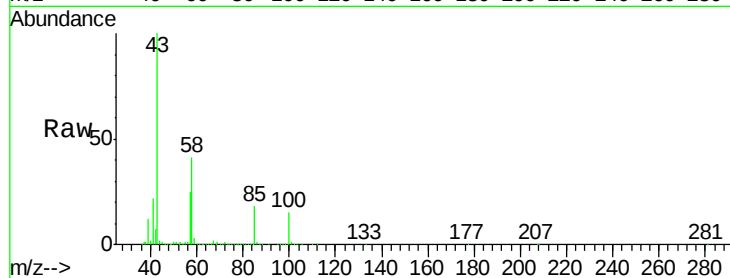
43 100

58 40.3 31.8 47.8

Manual Integrations
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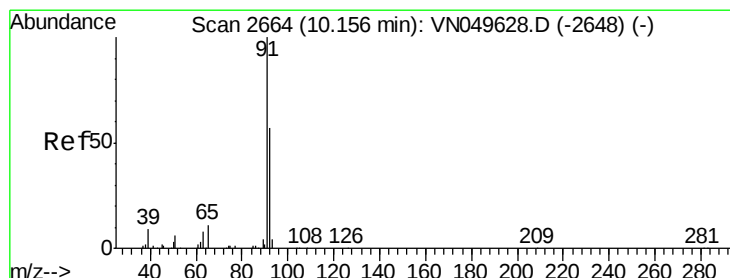
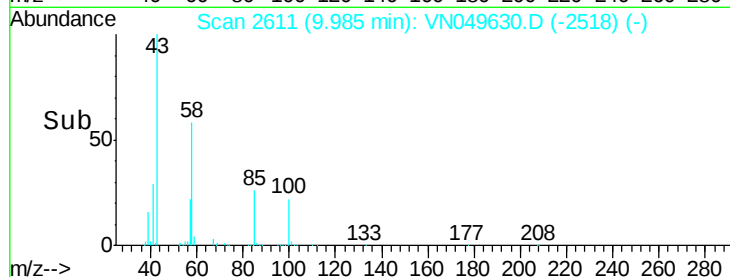
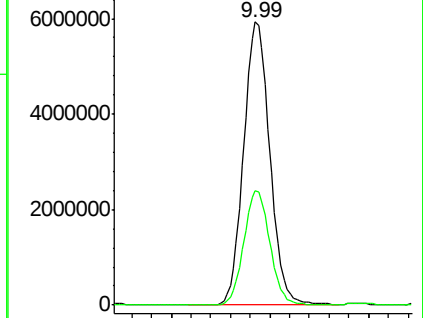
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-2595) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-2595) (-)



#52

Toluene

Concen: 150.88 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN049630.D

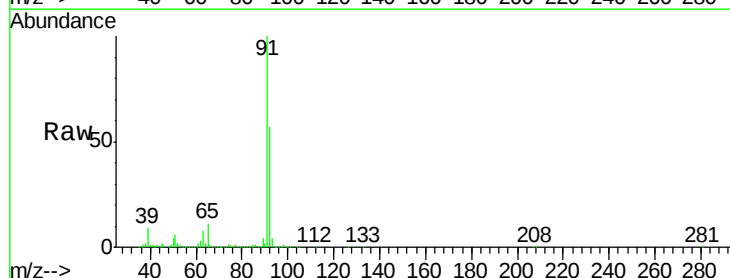
Acq: 29 Jun 2018 13:02

Tgt Ion: 92 Resp: 6700897

Ion Ratio Lower Upper

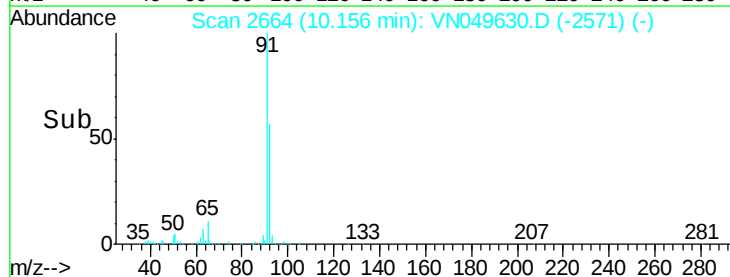
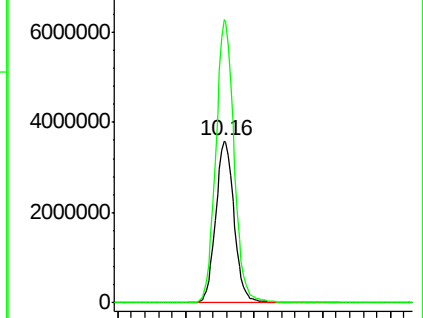
92 100

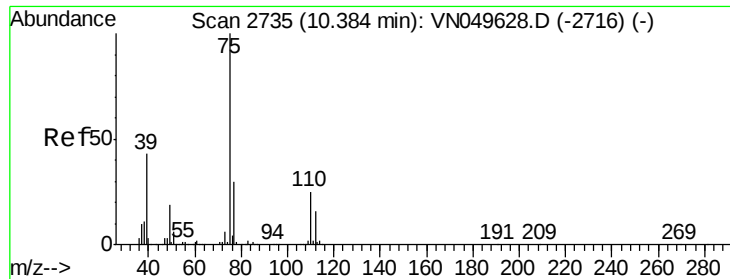
91 174.4 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN049628.D (-2648) (-)

Ion 91.00 (90.70 to 91.70): VN049628.D (-2648) (-)





#53

t-1,3-Dichloropropene

Concen: 164.13 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 3843994

Ion Ratio Lower Upper

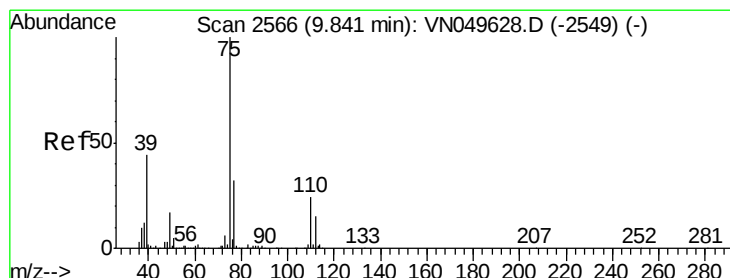
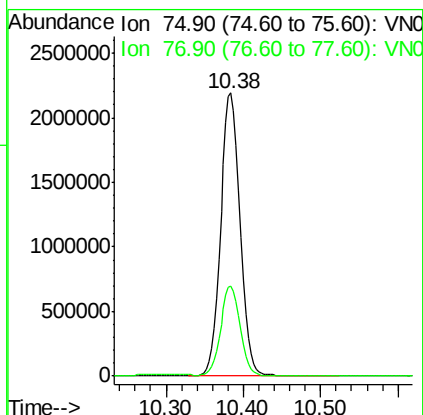
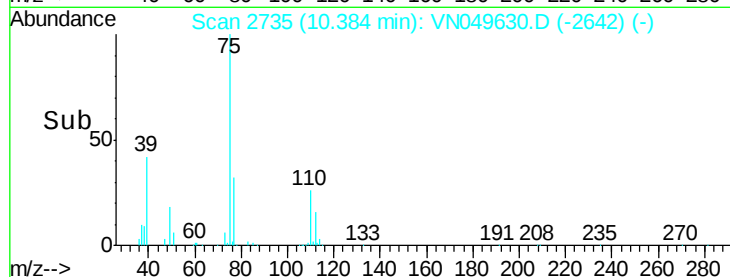
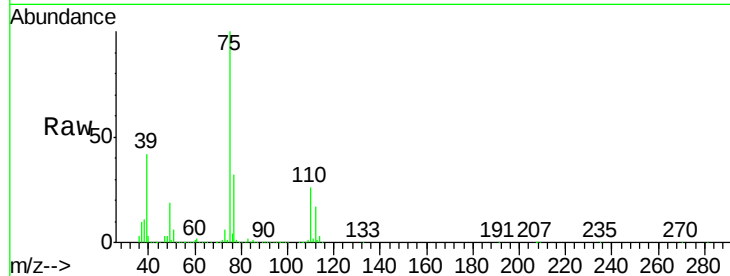
75 100

77 32.0 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 159.68 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

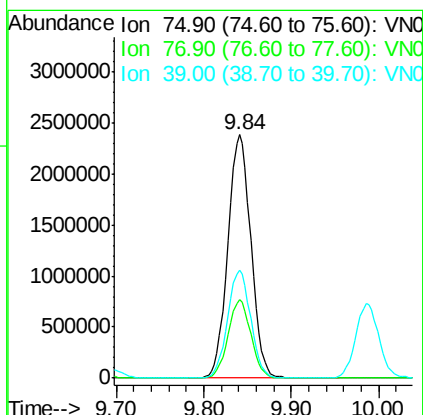
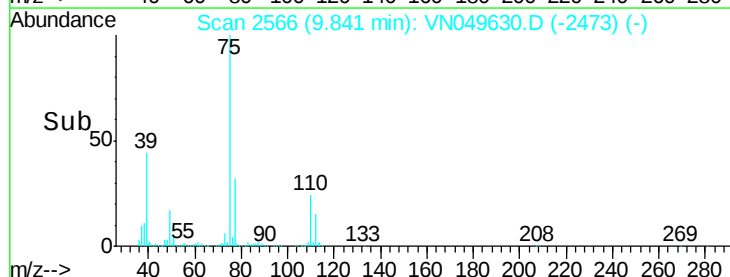
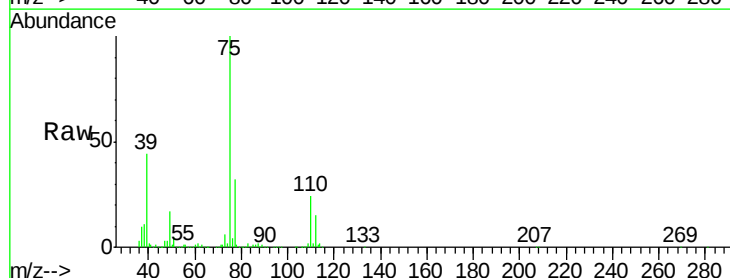
Tgt Ion: 75 Resp: 4370966

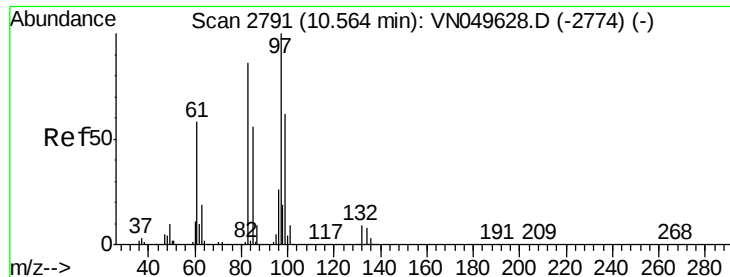
Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 44.2 35.5 53.3





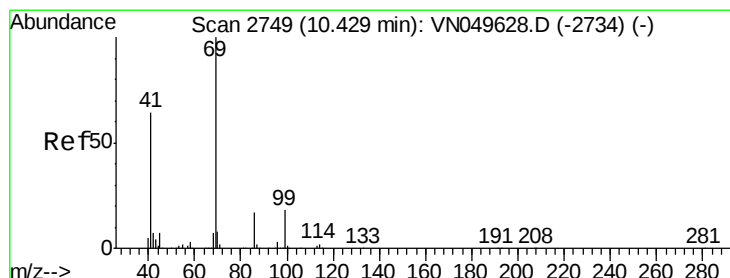
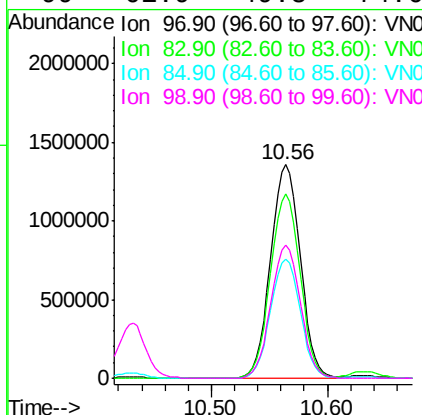
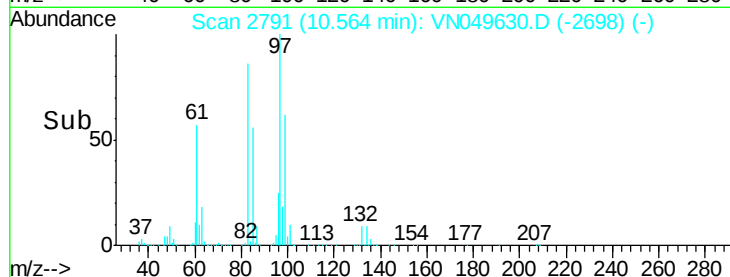
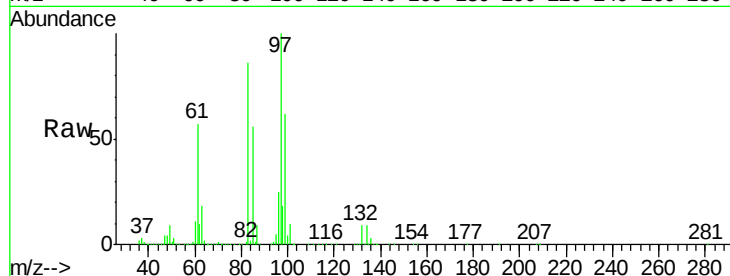
#55
 1,1,2-Trichloroethane
 Concen: 145.82 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.0	103.6
85	55.8	44.9	67.3
99	61.9	49.8	74.6

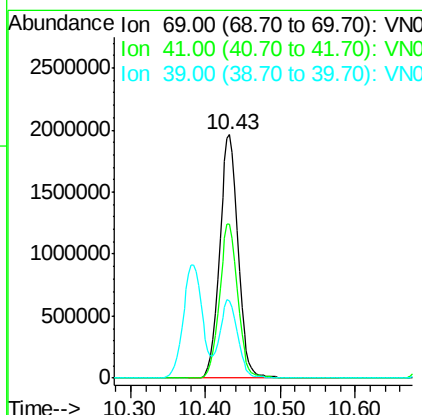
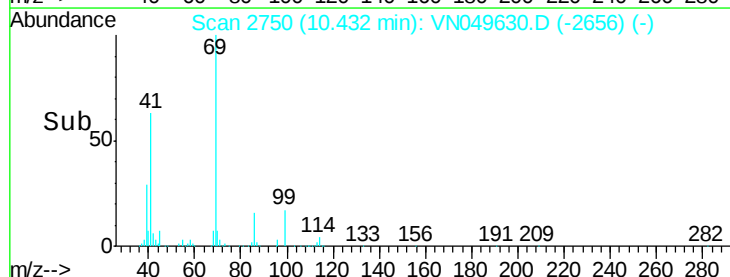
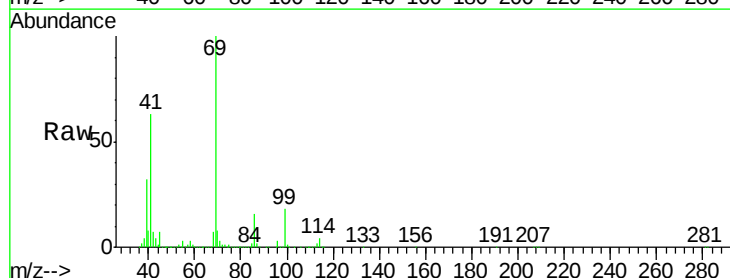
Manual Integrations
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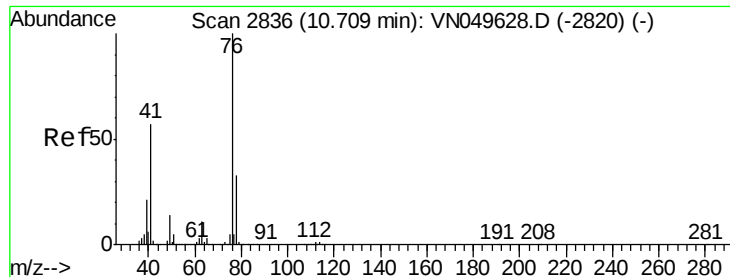
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#56
 Ethyl methacrylate
 Concen: 171.30 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.5	51.6	77.4
39	31.2	25.8	38.8





#57

1,3-Dichloropropane

Concen: 151.78 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 76 Resp: 4069888

Ion Ratio Lower Upper

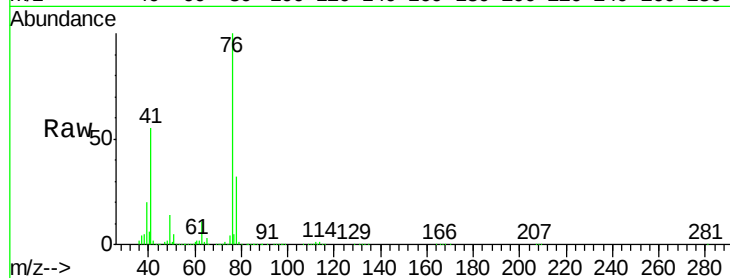
76 100

78 32.2 25.8 38.8

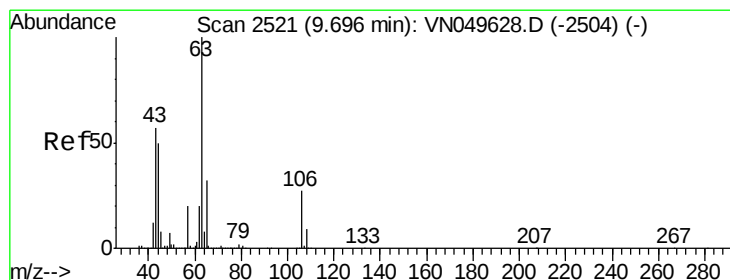
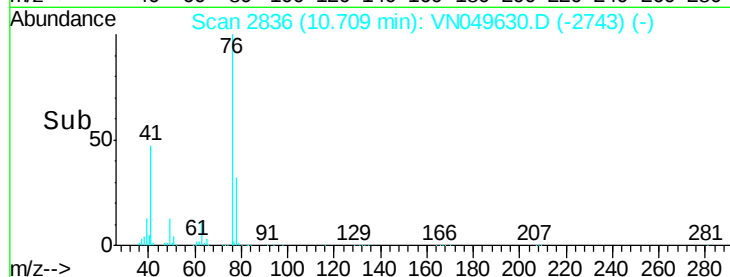
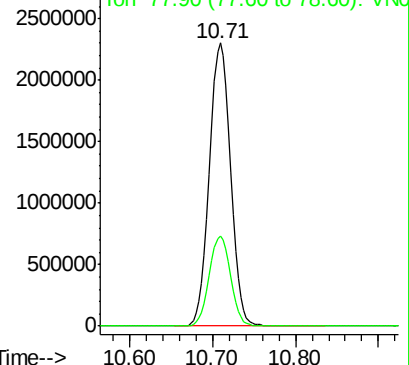
Manual Integrations
APPROVED

apatel

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Abundance Ion 75.90 (75.60 to 76.60): VN049630.D (-2743) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 847.99 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049630.D

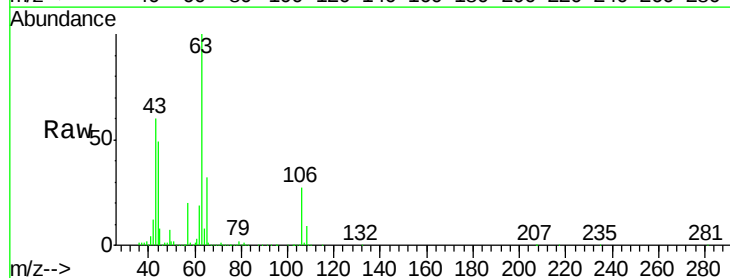
Acq: 29 Jun 2018 13:02

Tgt Ion: 63 Resp: 7651749

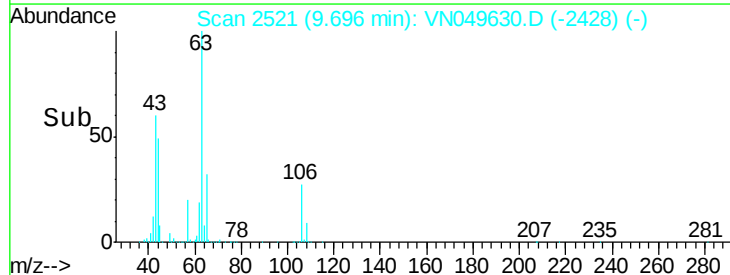
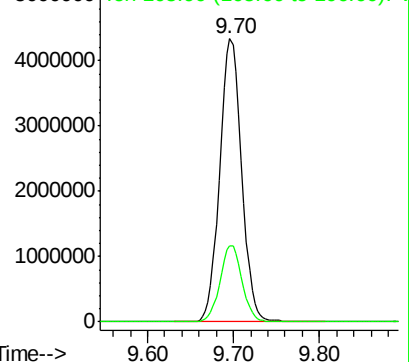
Ion Ratio Lower Upper

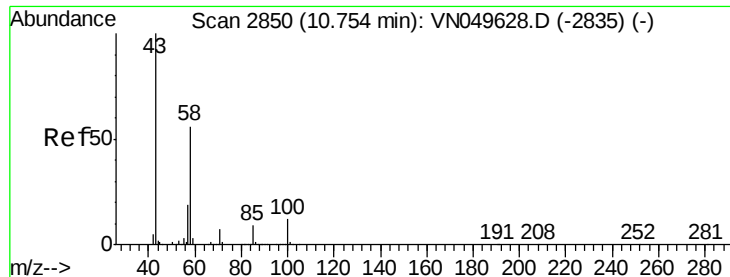
63 100

106 27.0 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN049630.D (-2428) (-)





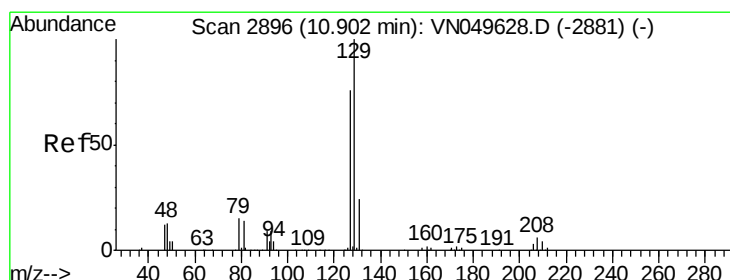
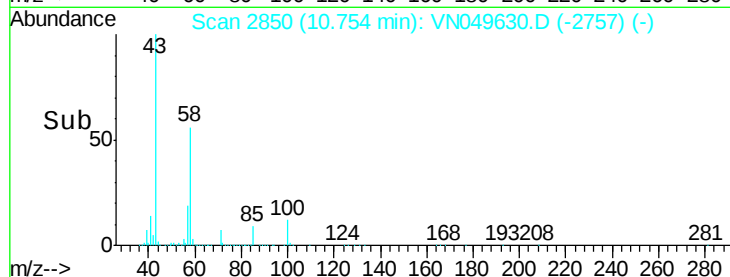
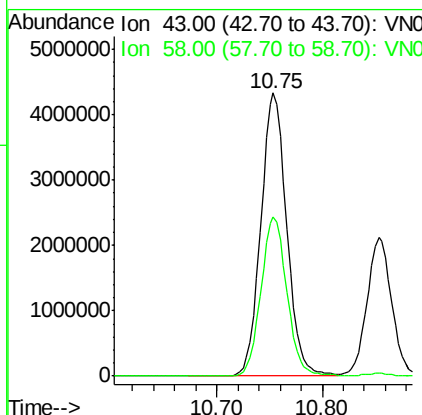
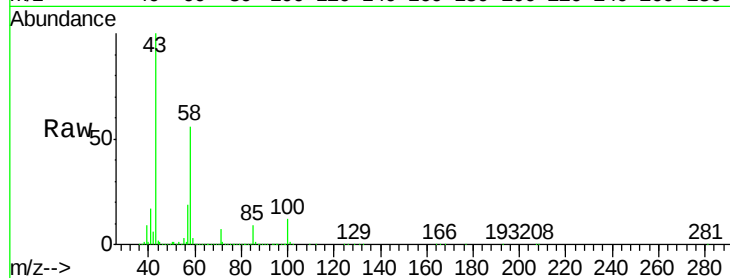
#59
2-Hexanone
Concen: 814.09 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 7411274
Ion Ratio Lower Upper
43 100
58 56.4 27.8 83.4

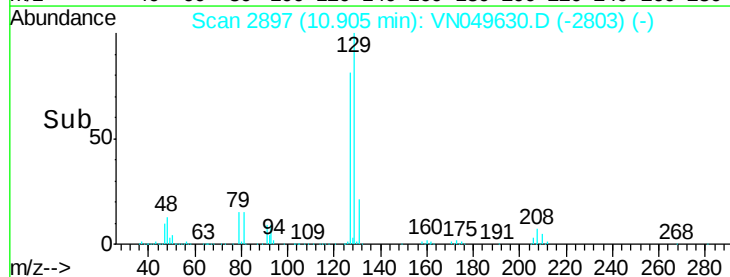
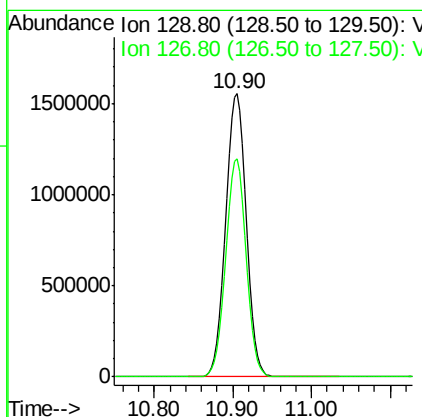
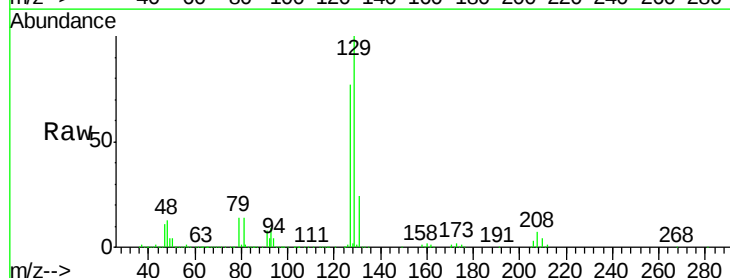
Manual Integrations
APPROVED

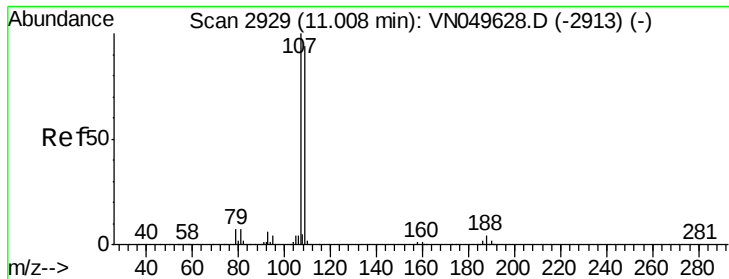
apatel
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#60
Dibromochloromethane
Concen: 156.74 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tgt Ion: 129 Resp: 2801253
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9





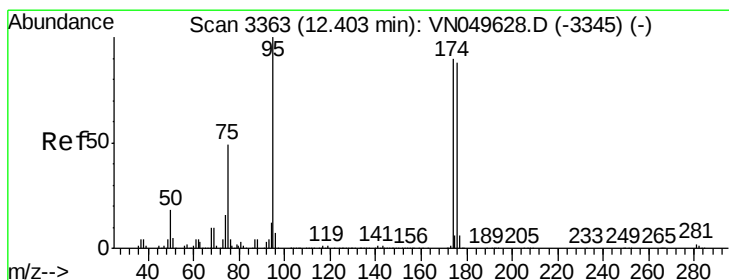
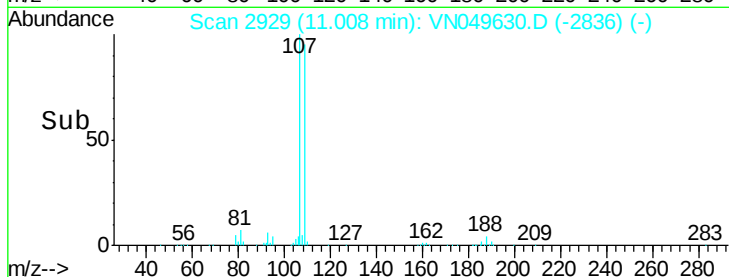
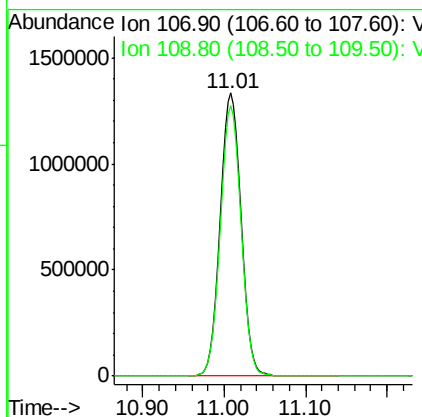
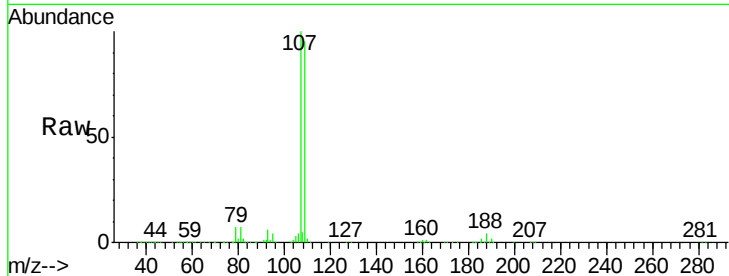
#61
 1,2-Dibromoethane
 Concen: 153.82 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:107 Resp: 2437250
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.0 112.6

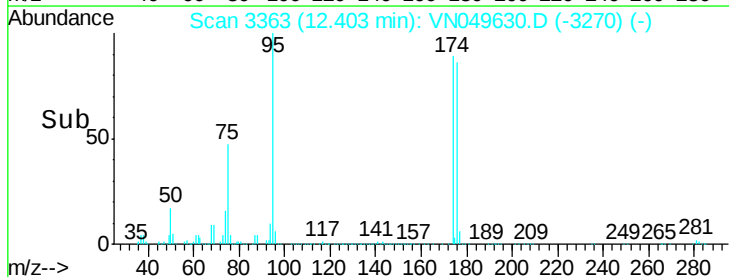
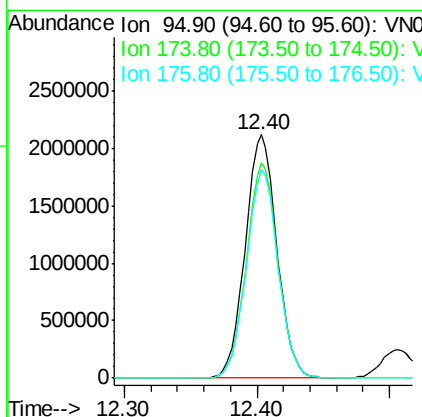
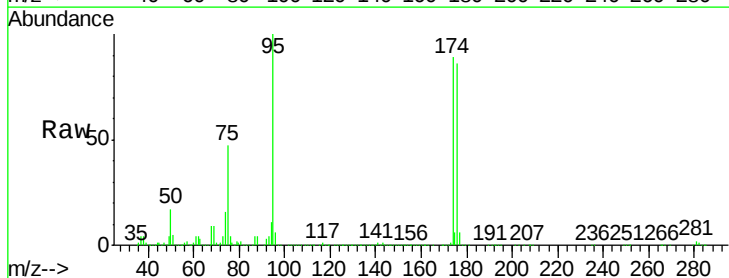
Manual Integrations
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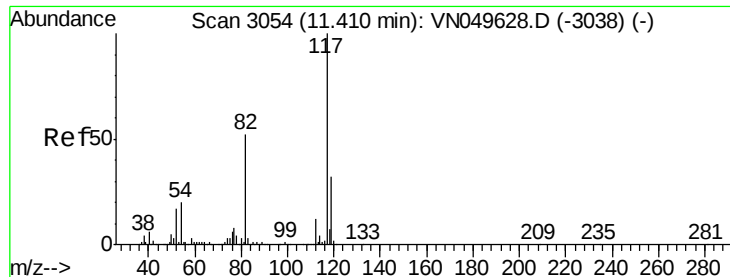
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#62
 4-Bromofluorobenzene
 Concen: 163.68 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

Tgt Ion: 95 Resp: 3499240
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 179.6
 176 85.9 0.0 174.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:117 Resp: 1996744

Ion Ratio Lower Upper

117 100

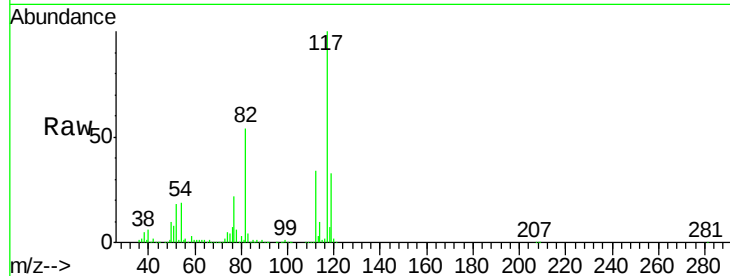
82 54.0 41.9 62.9

119 32.6 25.4 38.2

Manual Integrations
APPROVED

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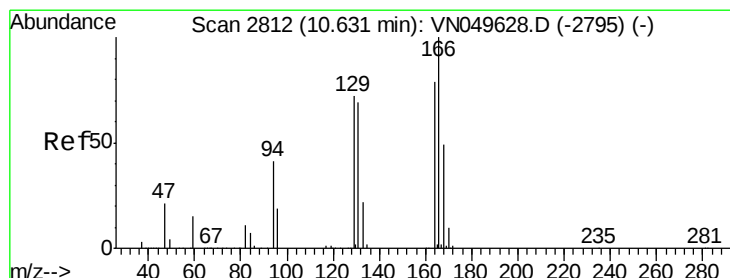
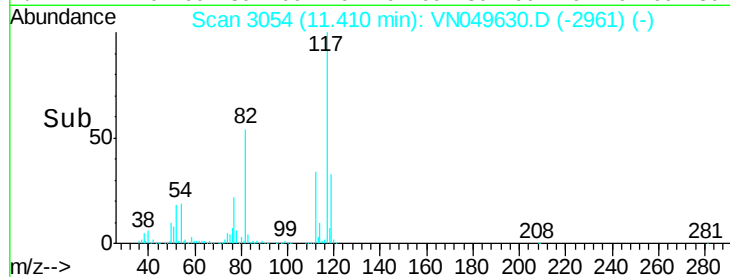
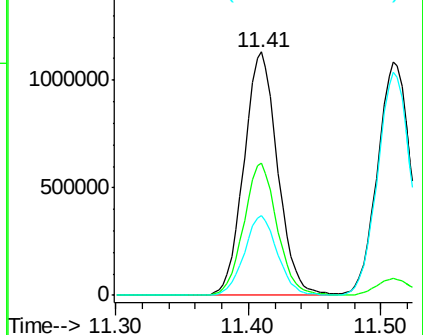
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 135.55 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Tgt Ion:164 Resp: 3664791

Ion Ratio Lower Upper

164 100

166 128.4 101.8 152.6

129 91.3 72.8 109.2

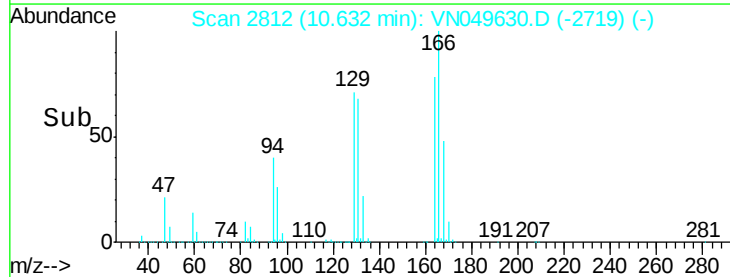
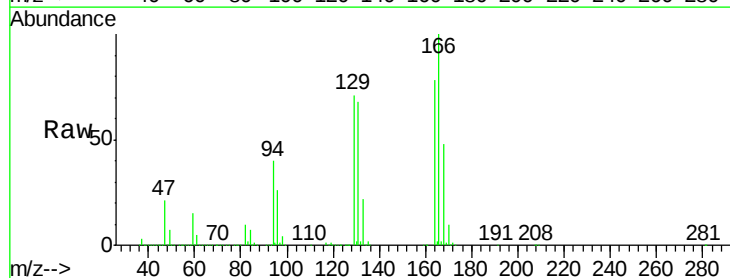
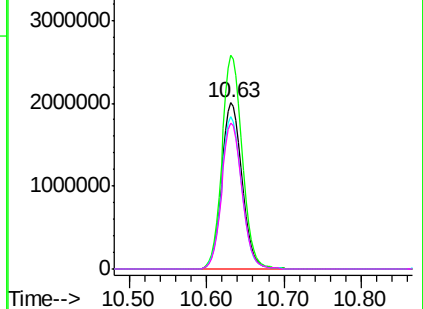
131 87.9 70.0 105.0

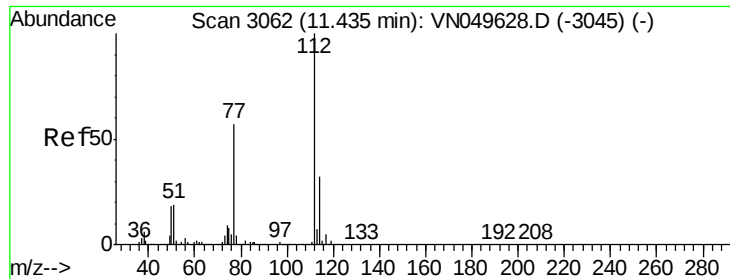
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 142.96 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 7446662

Ion Ratio Lower Upper

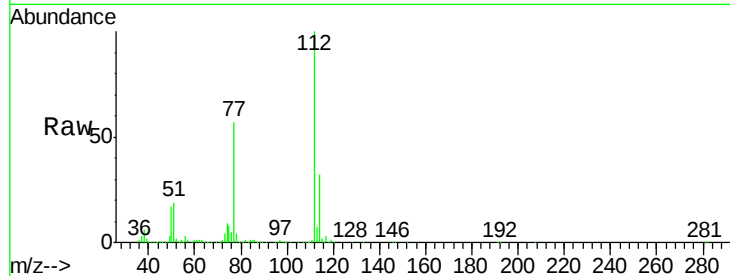
112 100

114 31.9 25.4 38.0

Manual Integrations
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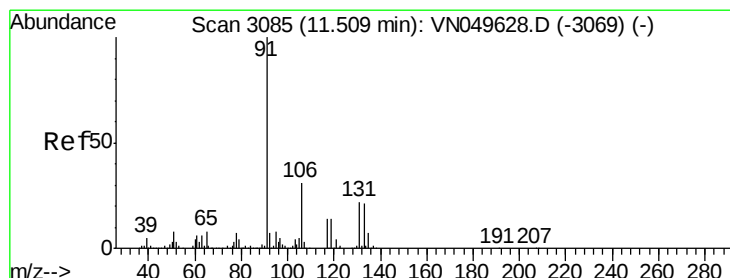
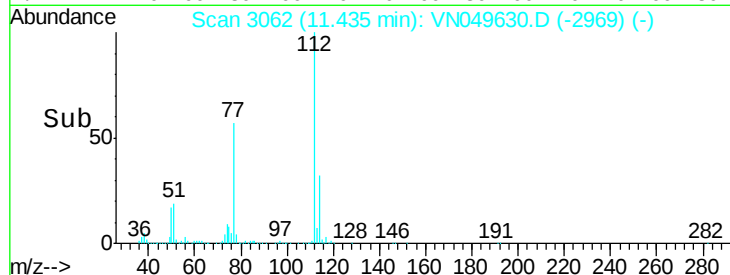
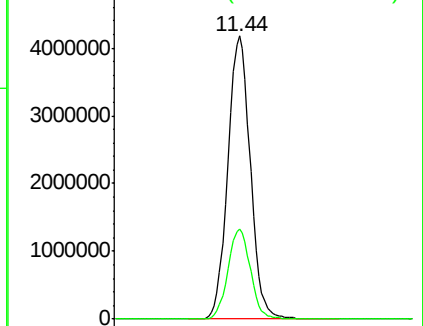
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 144.78 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

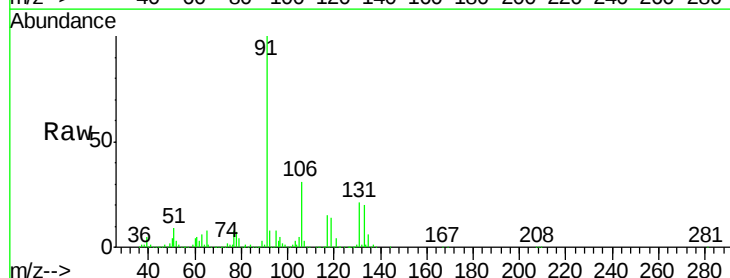
Tgt Ion:131 Resp: 2709798

Ion Ratio Lower Upper

131 100

133 95.9 47.5 142.6

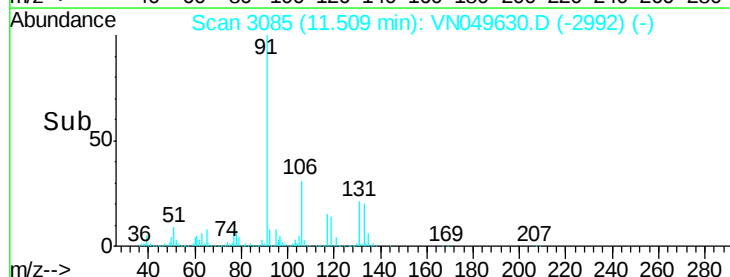
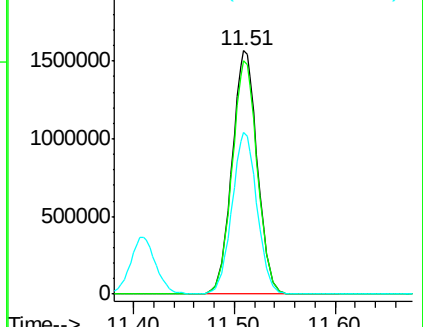
119 66.2 33.1 99.3

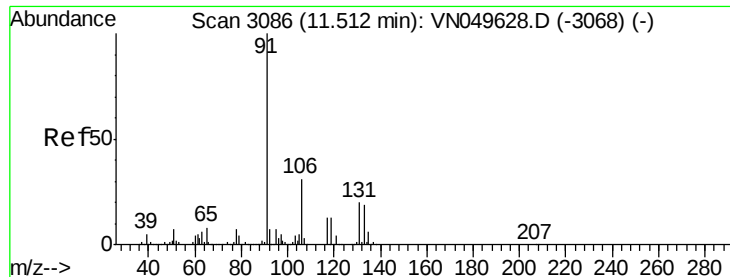


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





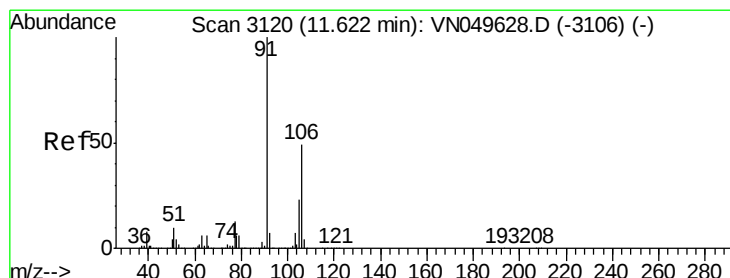
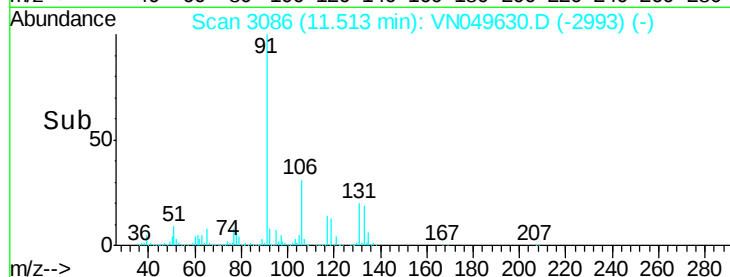
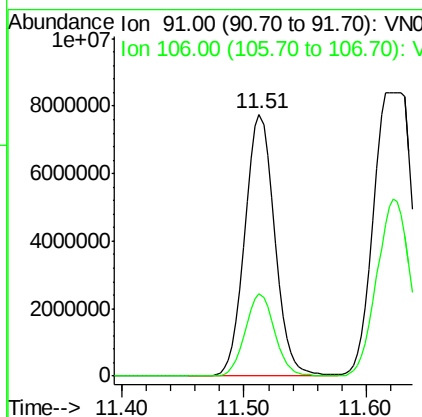
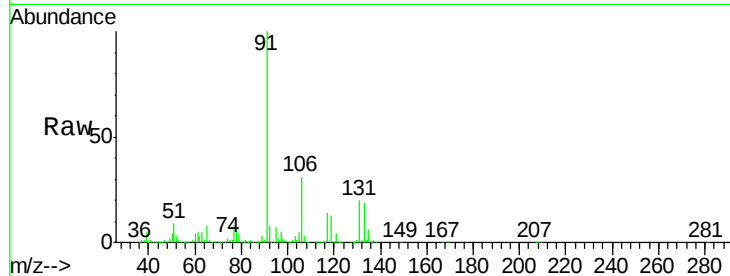
#67
Ethyl Benzene
Concen: 151.73 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp:13064498
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2

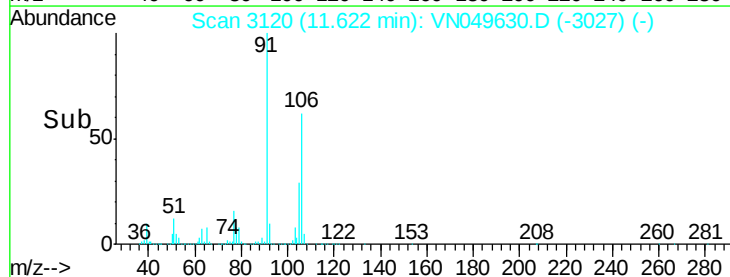
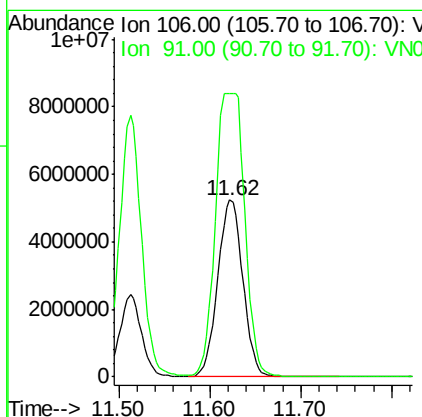
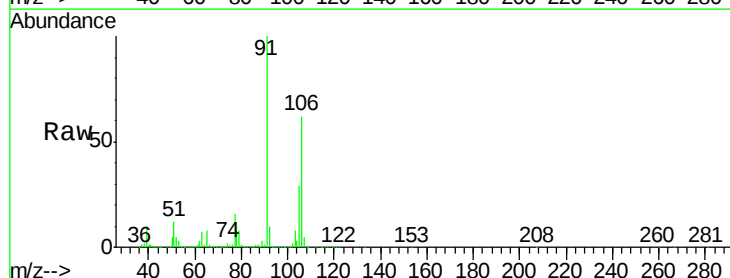
Manual Integrations
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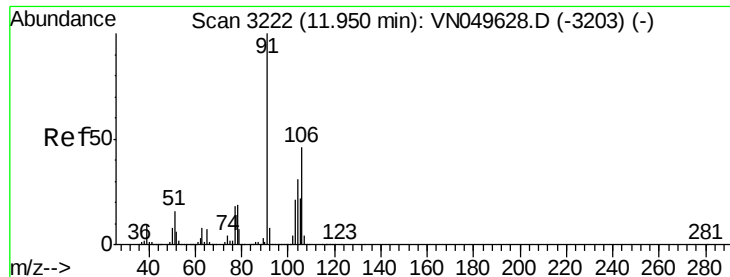
apatel
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#68
m/p-Xylenes
Concen: 304.43 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049630.D
Acq: 29 Jun 2018 13:02

Tgt Ion:106 Resp:10045594
Ion Ratio Lower Upper
106 100
91 0.0 163.4 245.2#





#69

o-Xylene

Concen: 154.71 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 4887588

Ion Ratio Lower Upper

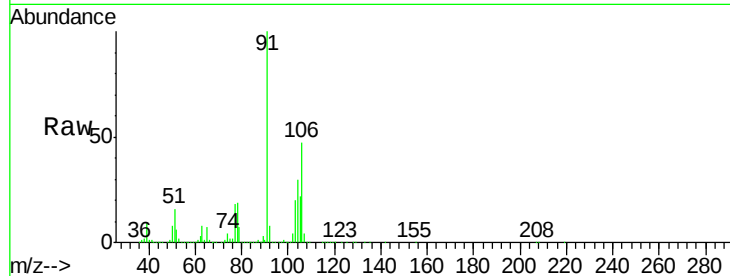
106 100

91 214.6 108.7 326.1

Manual Integrations
APPROVED

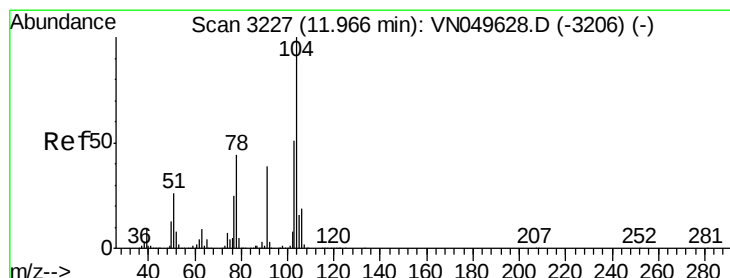
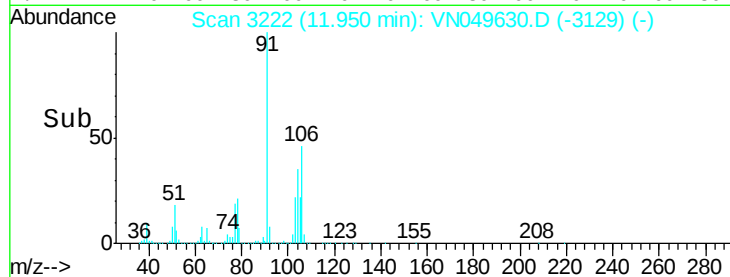
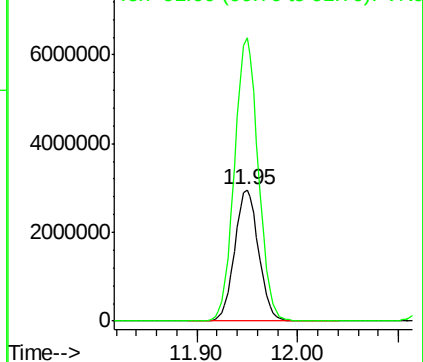
apatel

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 159.86 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

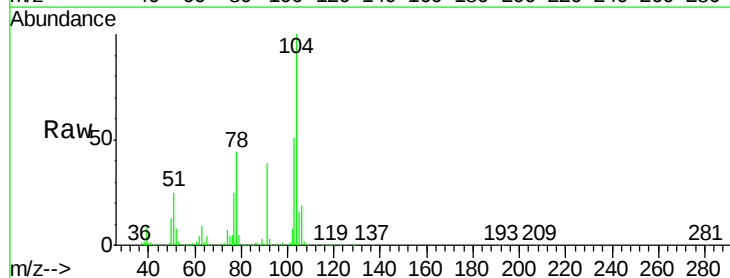
Tgt Ion:104 Resp: 8171684

Ion Ratio Lower Upper

104 100

78 48.8 39.2 58.8

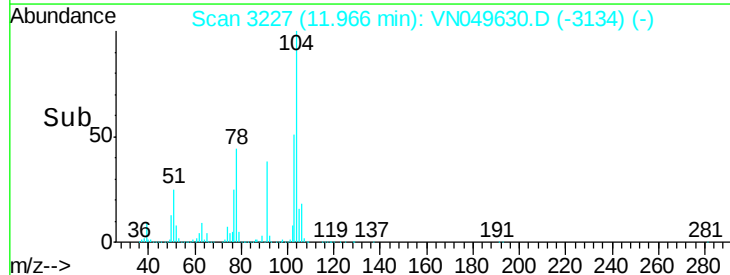
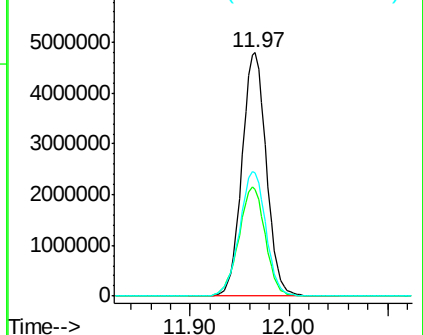
103 55.4 44.6 67.0

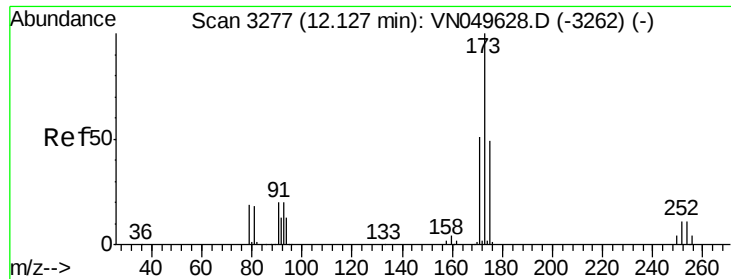


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 159.14 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 1979134

Ion Ratio Lower Upper

173 100

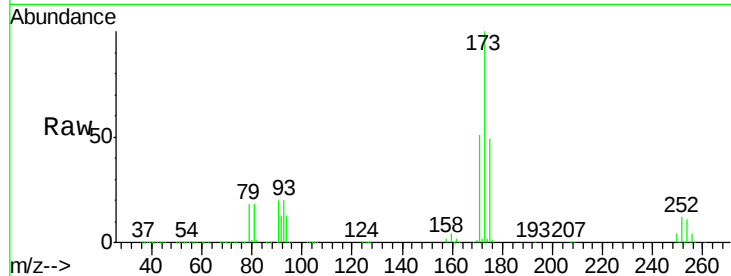
175 48.8 24.6 73.8

254 0.1 0.2 0.2#

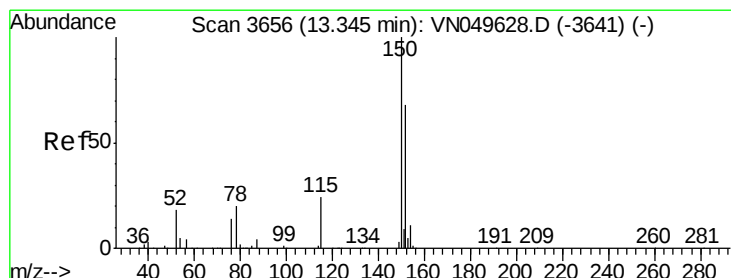
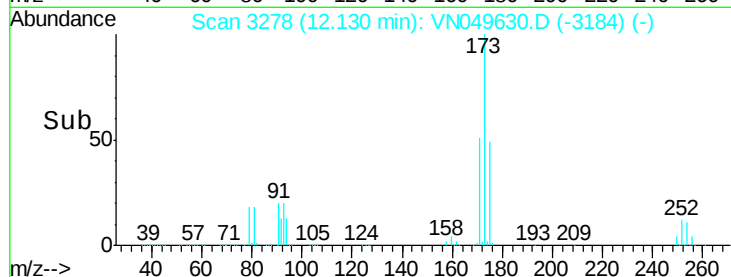
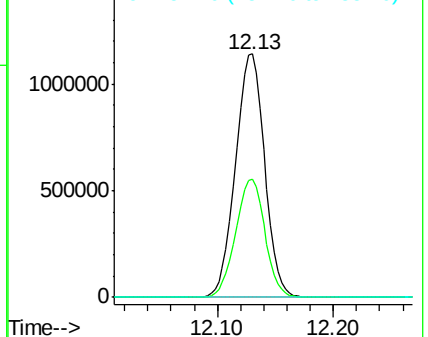
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

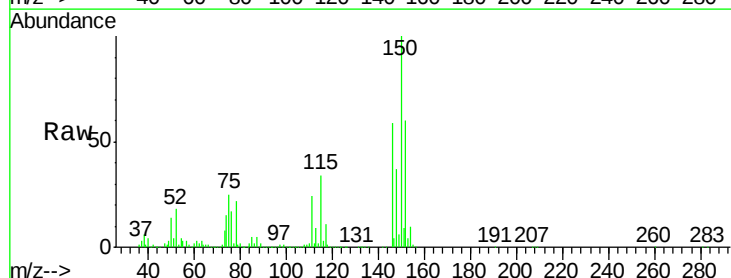
Tgt Ion:152 Resp: 1166156

Ion Ratio Lower Upper

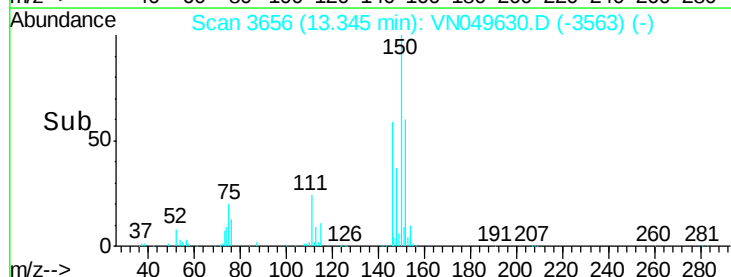
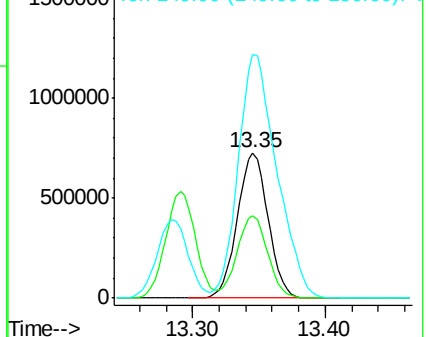
152 100

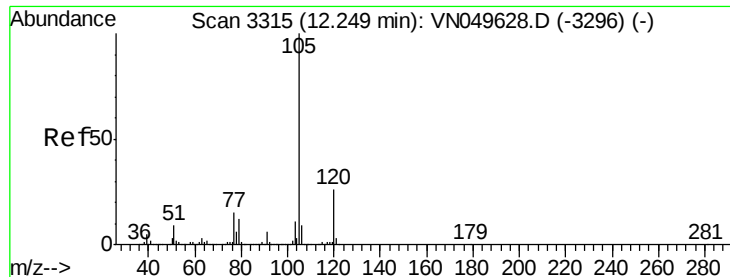
115 56.9 28.1 84.2

150 210.6 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 138.02 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp:12820807

Ion Ratio Lower Upper

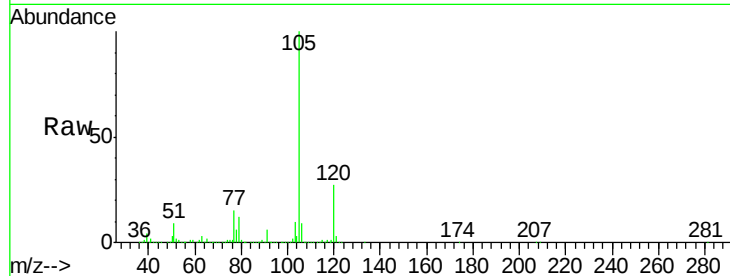
105 100

120 26.7 13.3 39.8

Manual Integrations
APPROVED

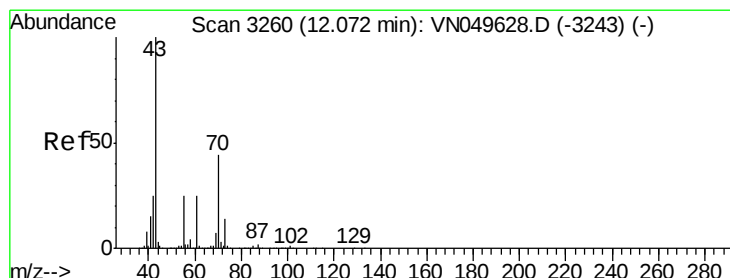
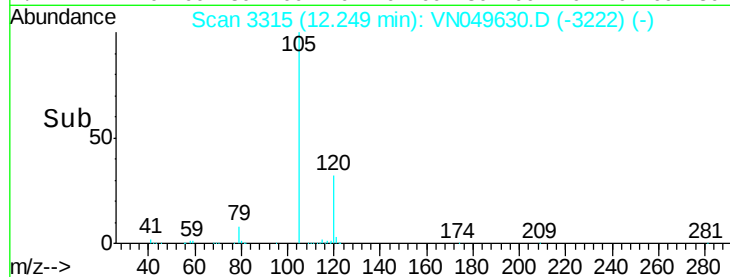
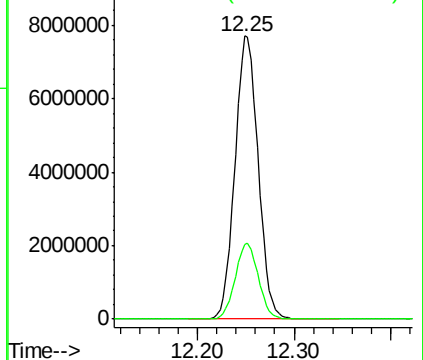
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 151.16 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Tgt Ion: 43 Resp: 3835310

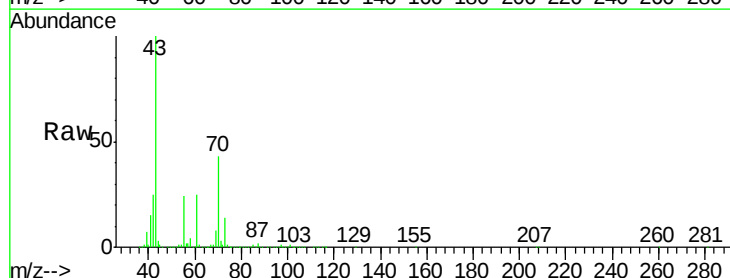
Ion Ratio Lower Upper

43 100

70 43.3 34.8 52.2

55 24.7 20.9 31.3

61 25.1 19.9 29.9

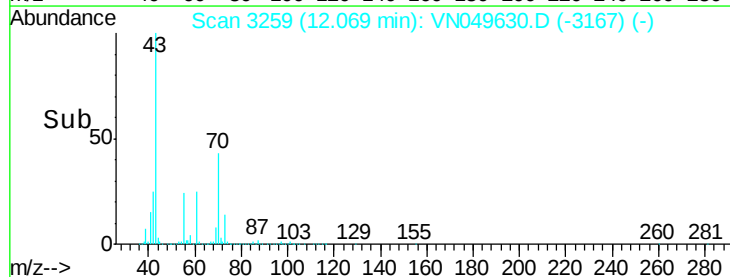
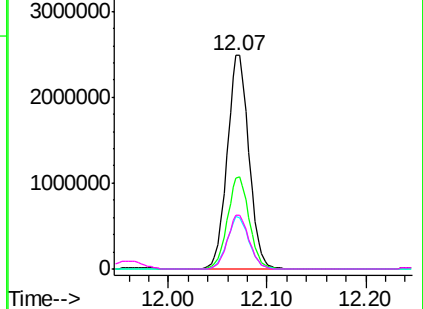


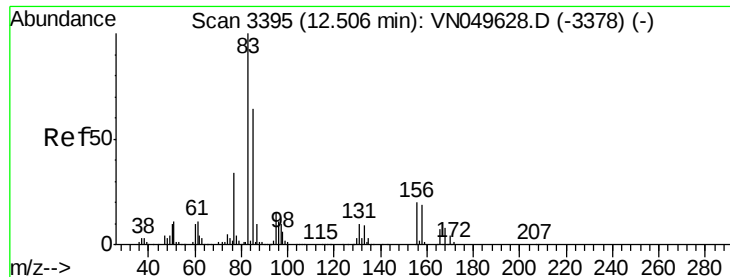
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 128.00 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 2807600

Ion Ratio Lower Upper

83 100

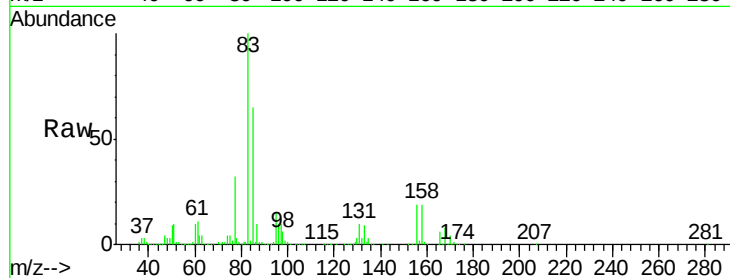
131 10.7 5.2 15.6

85 64.8 32.5 97.4

Manual Integrations
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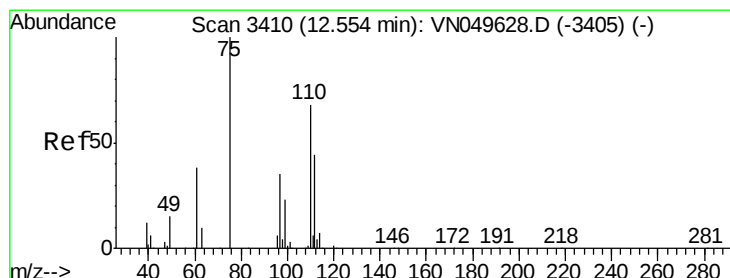
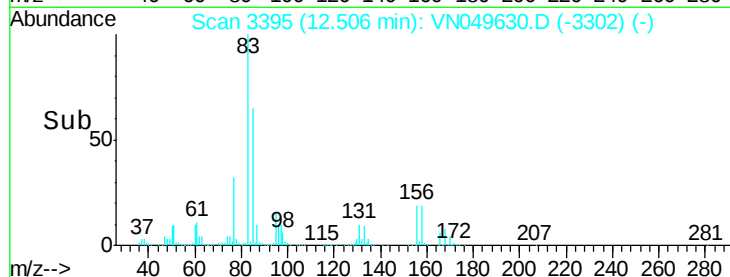
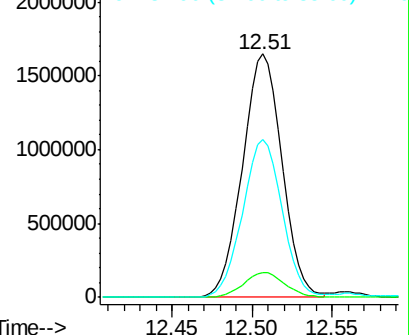
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Abundance Ion 82.90 (82.60 to 83.60): VN049630.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049630.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049630.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 120.02 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN049630.D

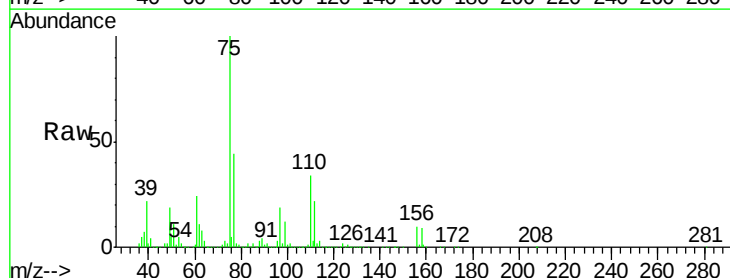
Acq: 29 Jun 2018 13:02

Tgt Ion: 75 Resp: 2429789

Ion Ratio Lower Upper

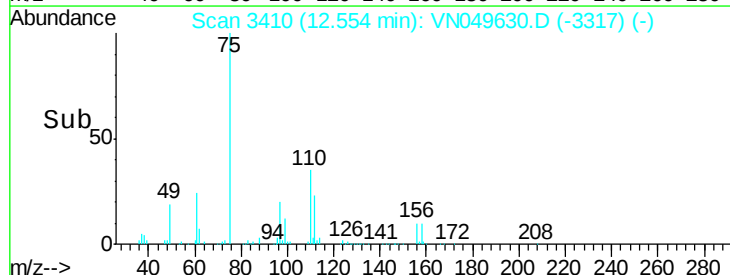
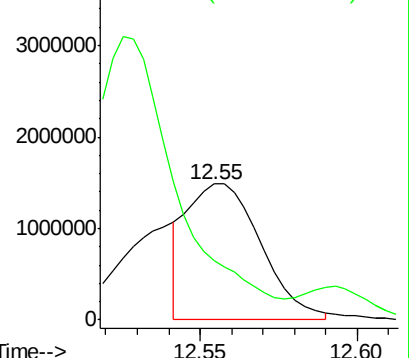
75 100

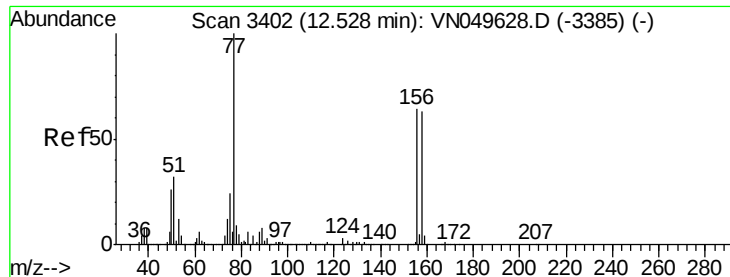
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049630.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049630.D (-3317) (-)





#77

Bromobenzene

Concen: 132.90 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 3356750

Ion Ratio Lower Upper

156 100

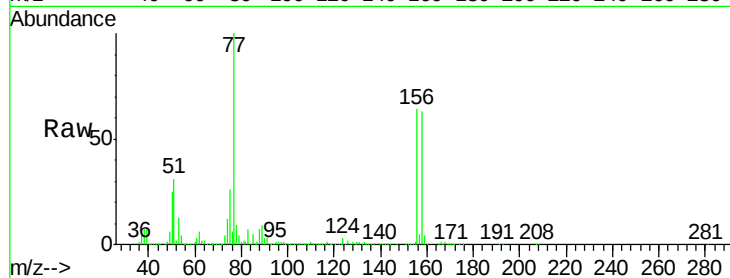
77 181.0 90.2 270.6

158 97.6 49.1 147.3

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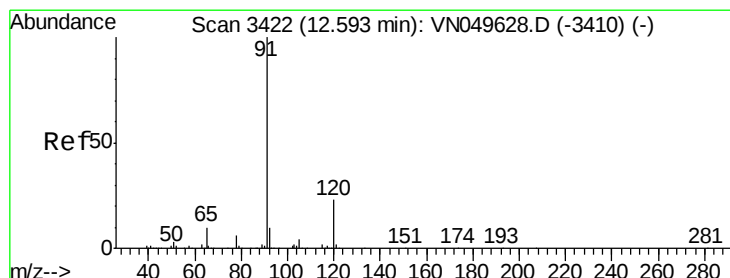
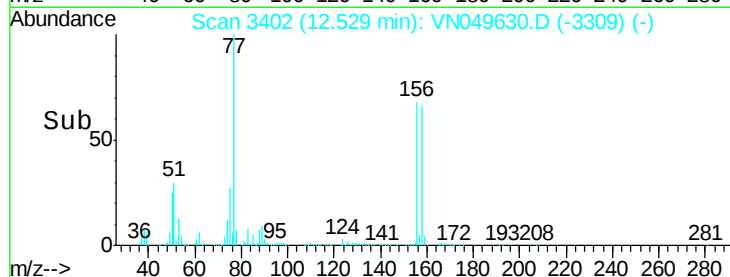
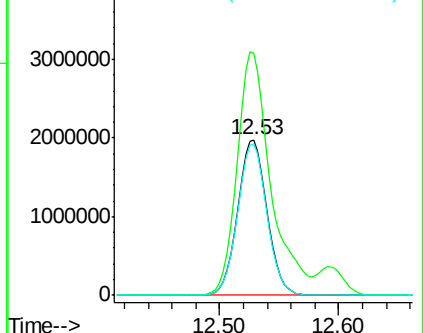
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 137.61 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN049630.D

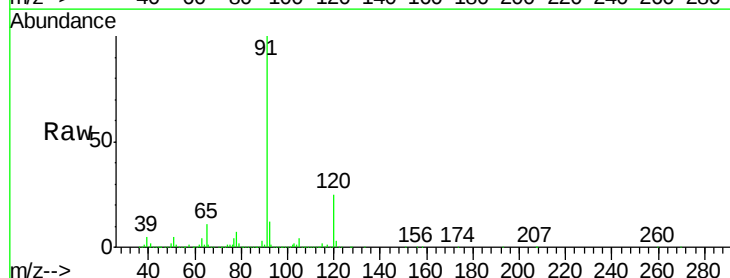
Acq: 29 Jun 2018 13:02

Tgt Ion: 91 Resp:14650376

Ion Ratio Lower Upper

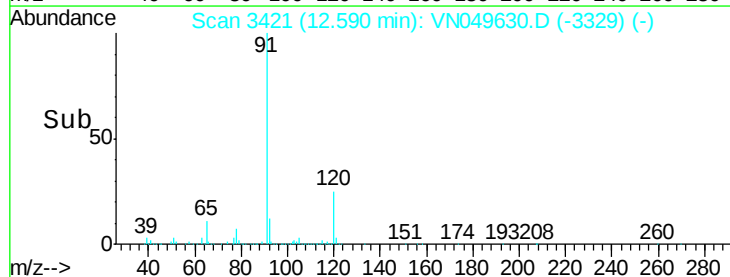
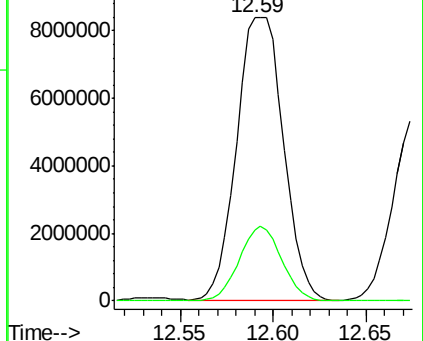
91 100

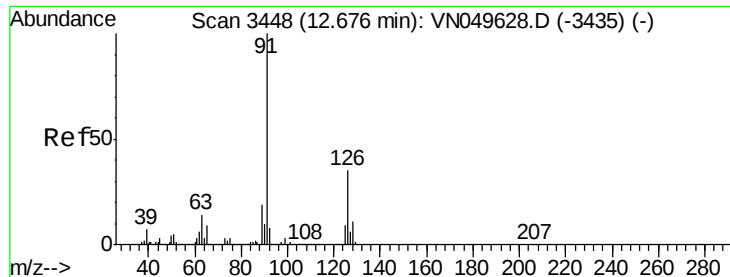
120 24.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 133.31 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 8981790

Ion Ratio Lower Upper

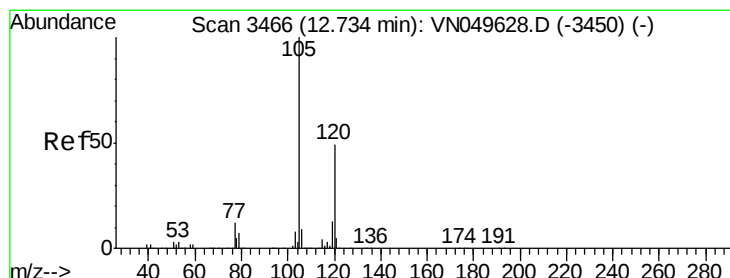
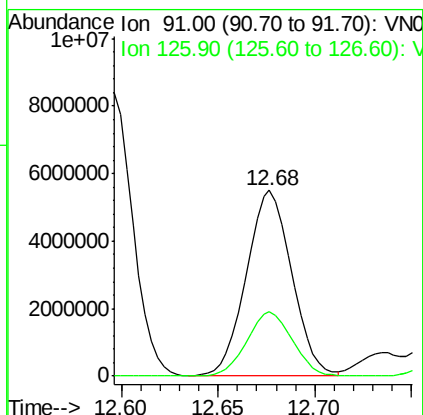
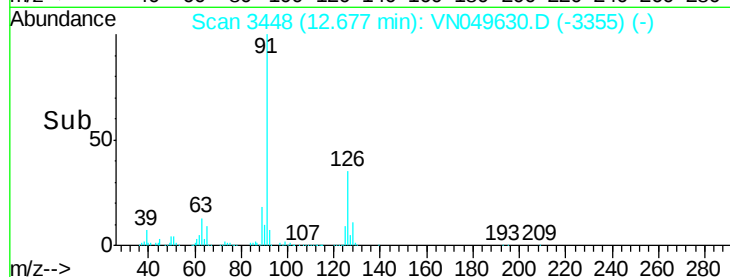
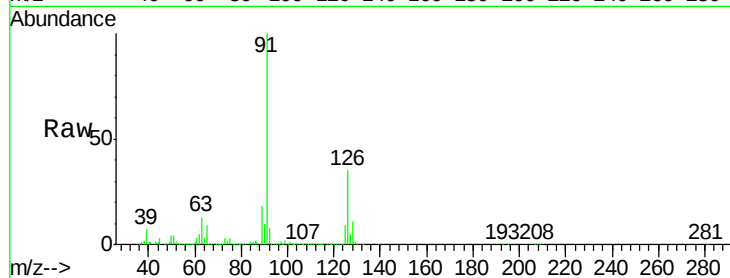
91 100

126 34.9 17.5 52.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 142.75 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049630.D

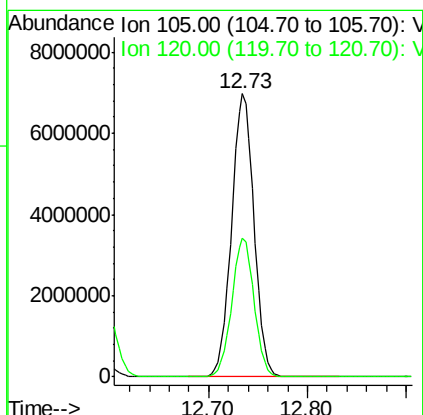
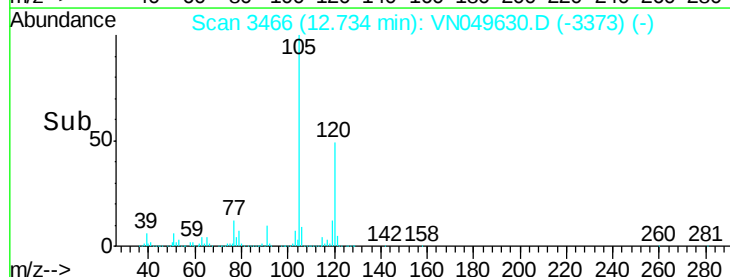
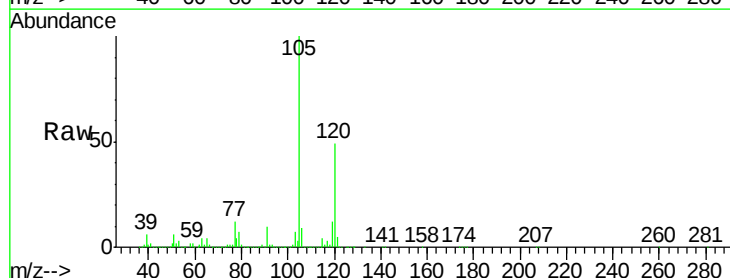
Acq: 29 Jun 2018 13:02

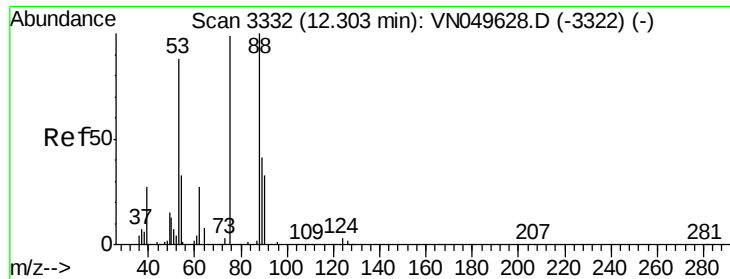
Tgt Ion:105 Resp:11018716

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 160.09 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 881542

Ion Ratio Lower Upper

75 100

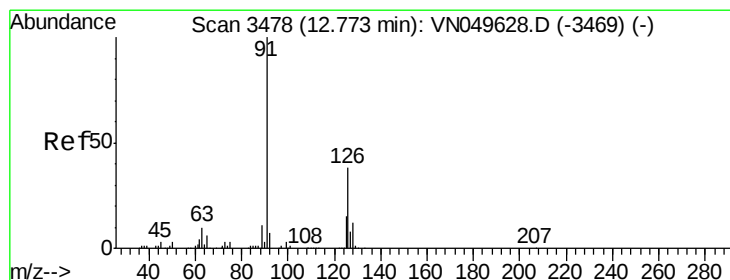
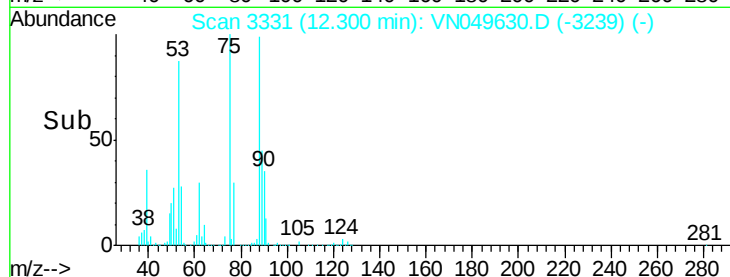
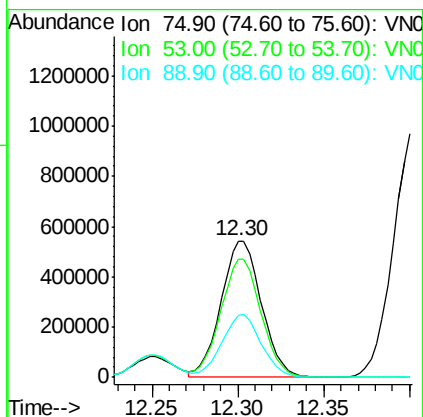
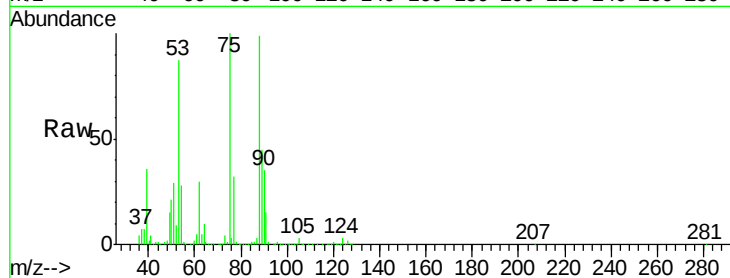
53 87.6 73.9 110.9

89 45.6 35.9 53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 137.08 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN049630.D

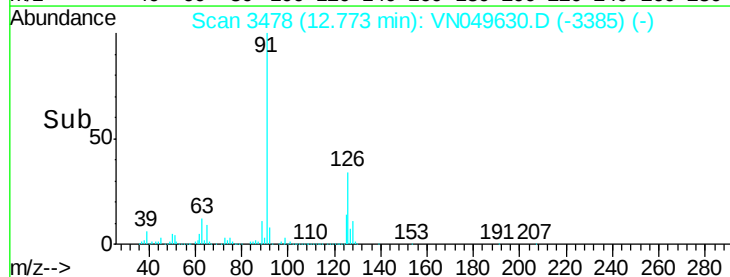
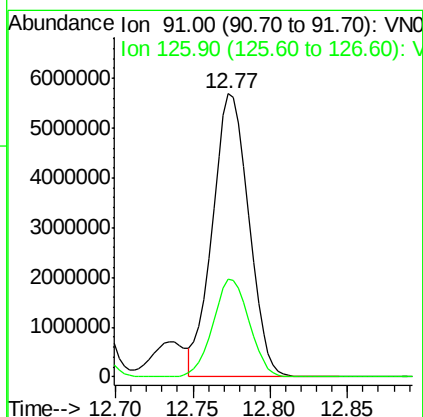
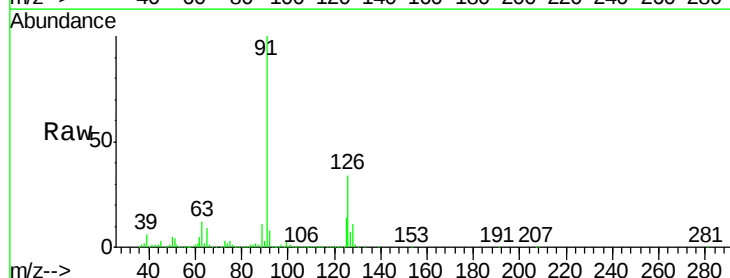
Acq: 29 Jun 2018 13:02

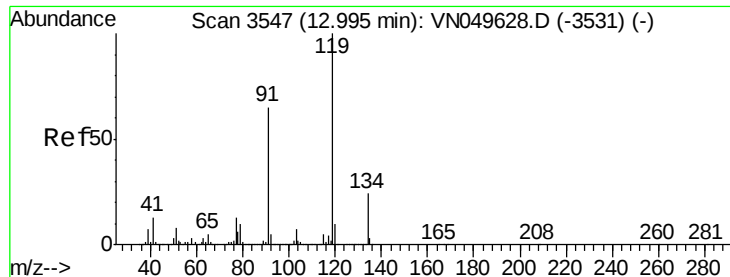
Tgt Ion: 91 Resp: 9286403

Ion Ratio Lower Upper

91 100

126 34.6 17.2 51.6





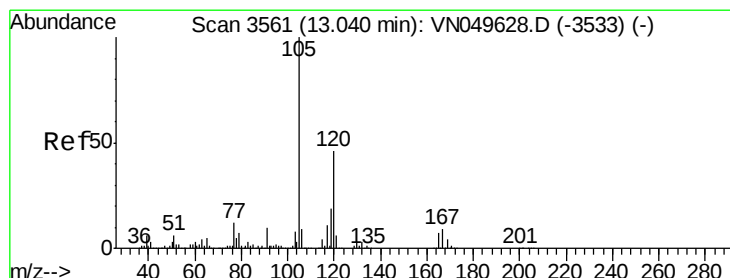
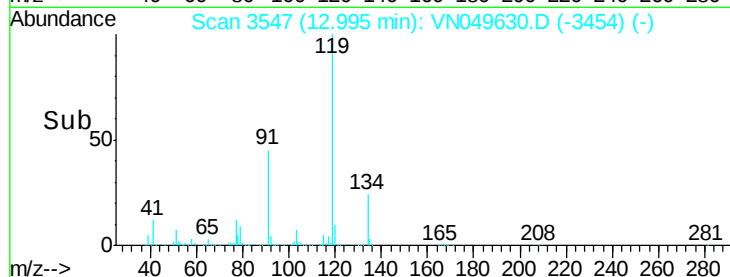
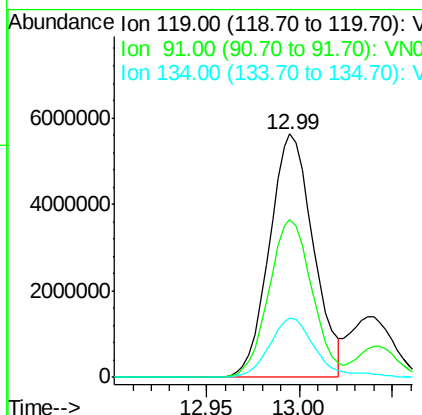
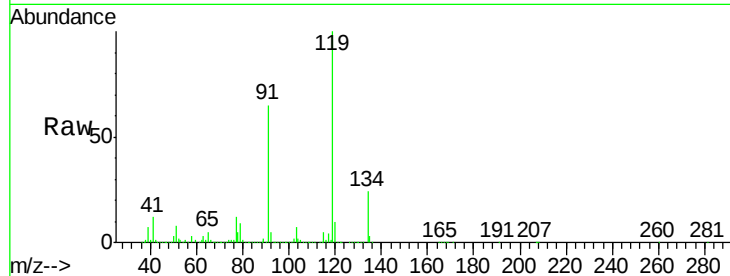
#83
 tert-Butylbenzene
 Concen: 140.07 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:119 Resp: 9288079
 Ion Ratio Lower Upper
 119 100
 91 64.2 32.0 96.2
 134 25.5 12.8 38.4

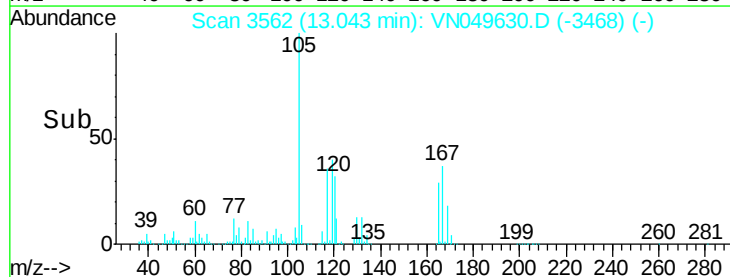
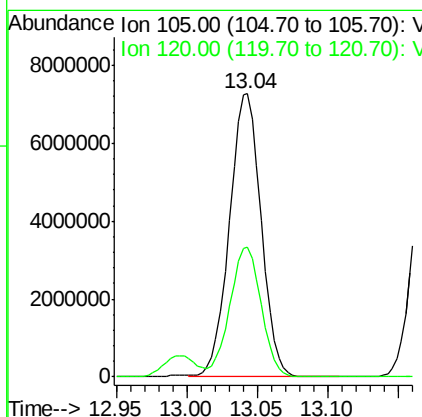
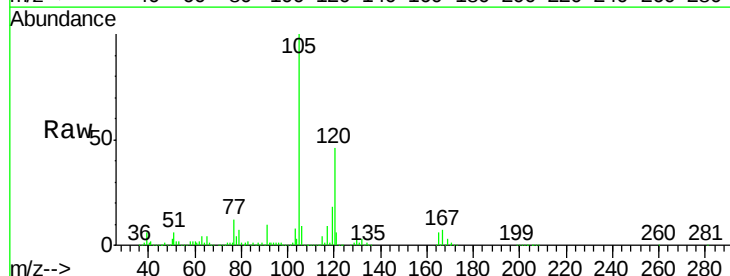
Manual Integrations
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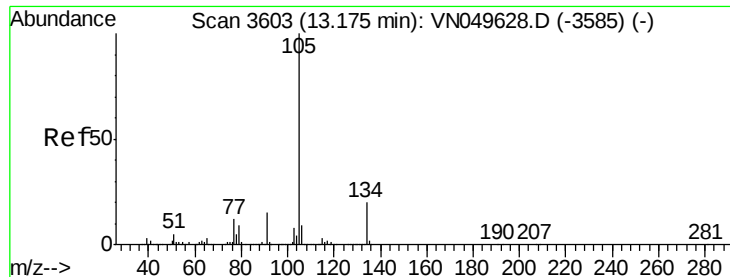
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#84
 1,2,4-Trimethylbenzene
 Concen: 143.87 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

Tgt Ion:105 Resp:11411315
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 144.09 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:105 Resp:12658597

Ion Ratio Lower Upper

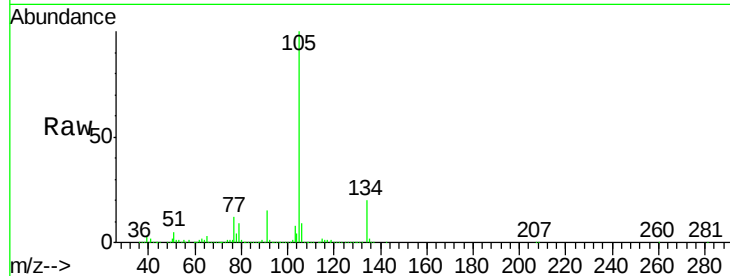
105 100

134 20.3 10.1 30.1

Manual Integrations
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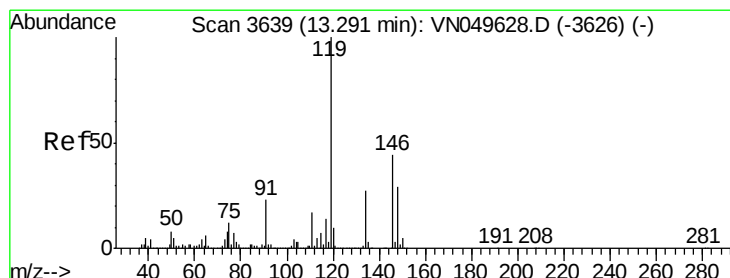
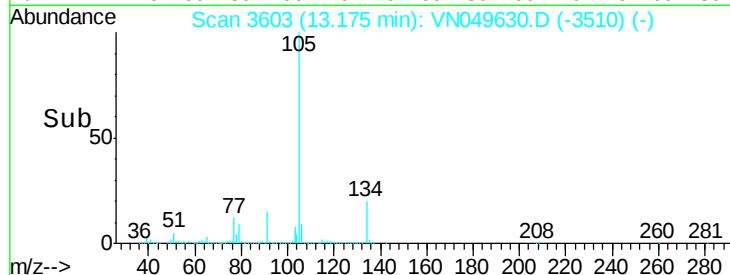
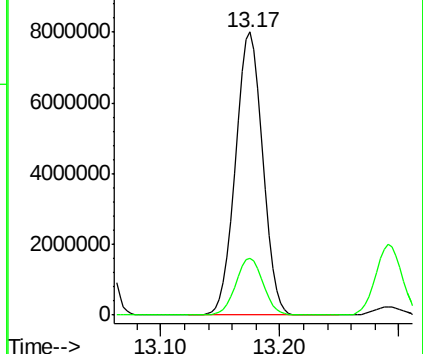
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 150.93 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

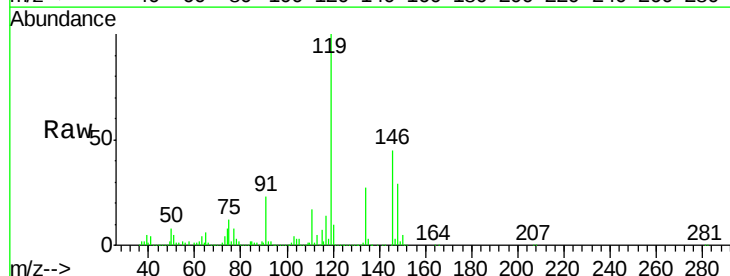
Tgt Ion:119 Resp:11484970

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

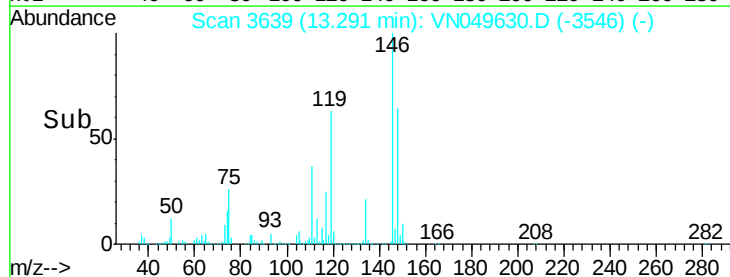
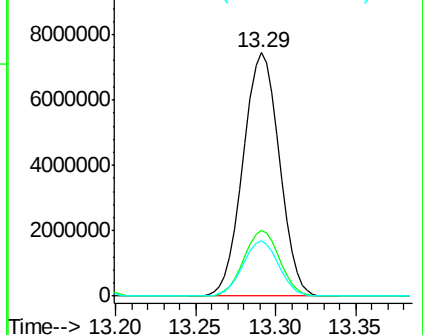
91 22.6 11.4 34.1

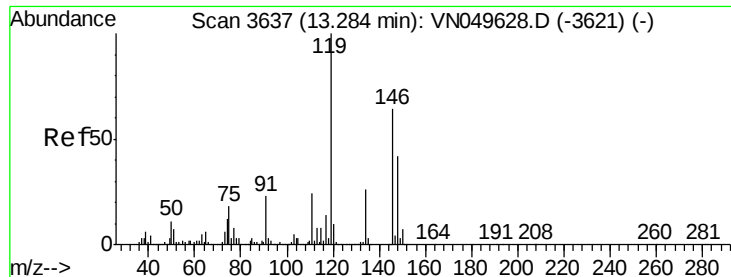


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87
 1,3-Dichlorobenzene
 Concen: 134.90 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

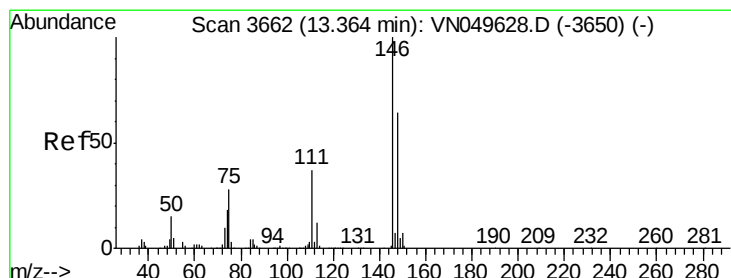
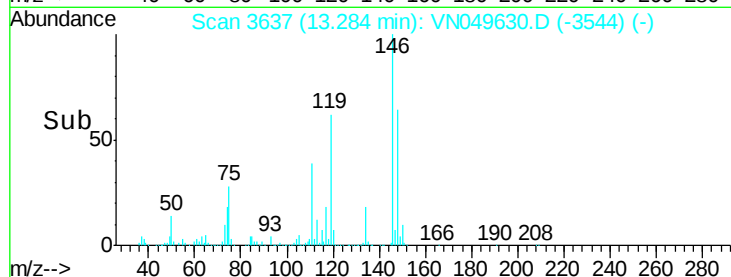
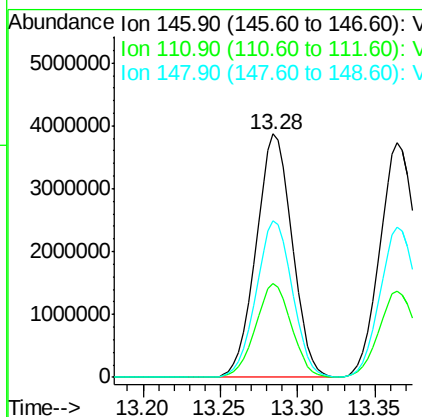
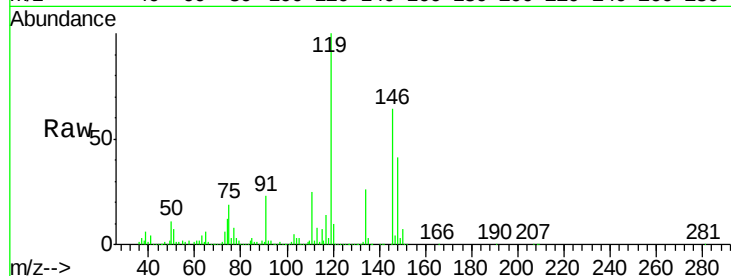
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:146 Resp: 6290663

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.0	57.0
148	64.4	32.5	97.5

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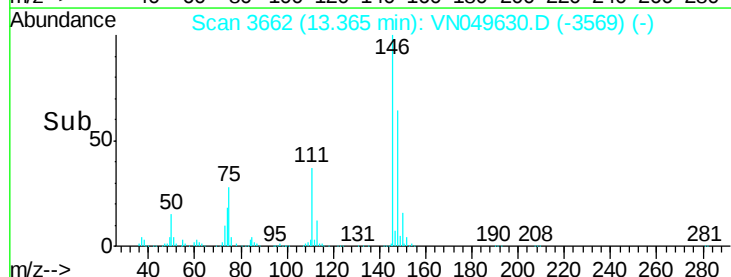
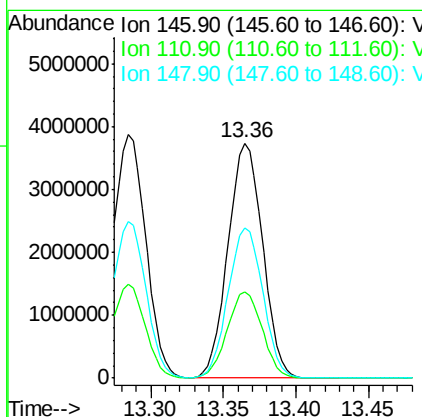
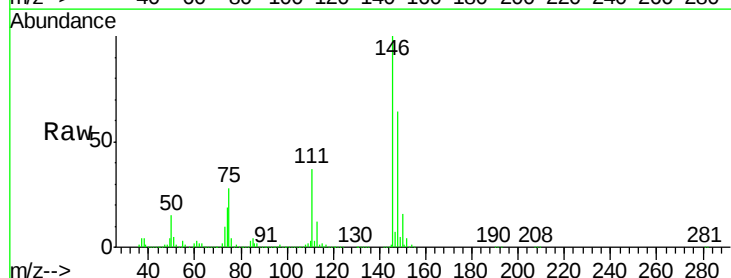
apatel
 7/2/2018 2:19:40 PM

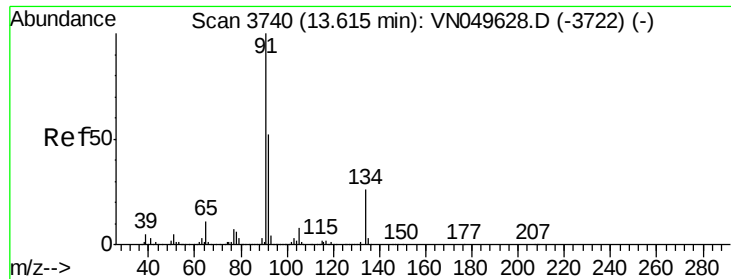


#88
 1,4-Dichlorobenzene
 Concen: 133.03 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

Tgt Ion:146 Resp: 6192749

Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.5
148	64.1	32.1	96.3





#89

n-Butylbenzene

Concen: 155.63 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp:10138917

Ion Ratio Lower Upper

91 100

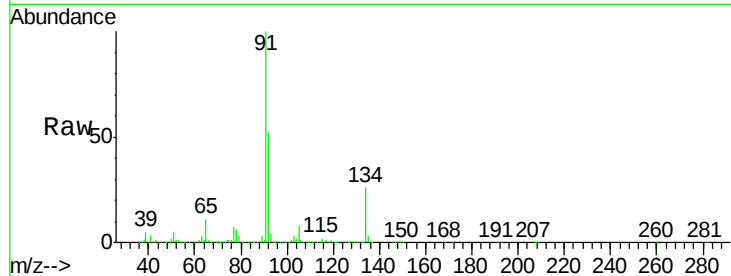
92 52.1 25.8 77.3

134 26.3 13.0 38.9

Manual Integrations
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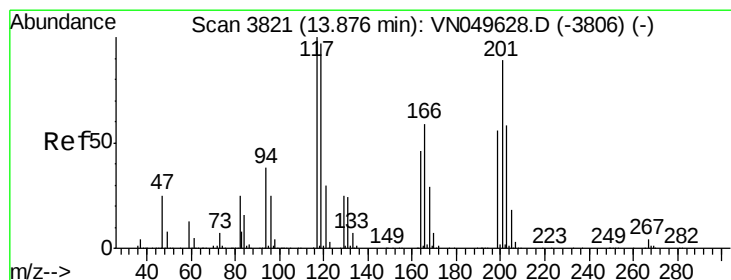
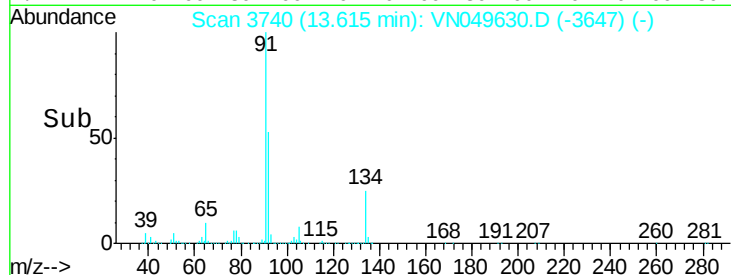
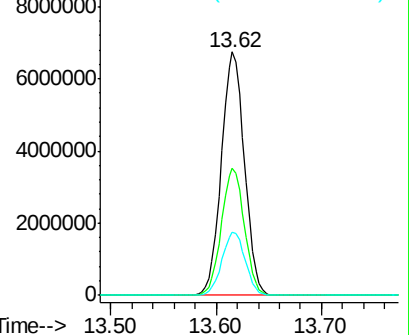
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Abundance Ion 91.00 (90.70 to 91.70): VN049630.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN049630.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN049630.D (-3647) (-)



#90

Hexachloroethane

Concen: 154.23 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049630.D

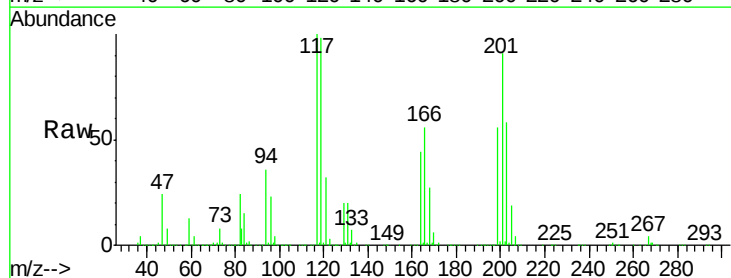
Acq: 29 Jun 2018 13:02

Tgt Ion:117 Resp: 1232821

Ion Ratio Lower Upper

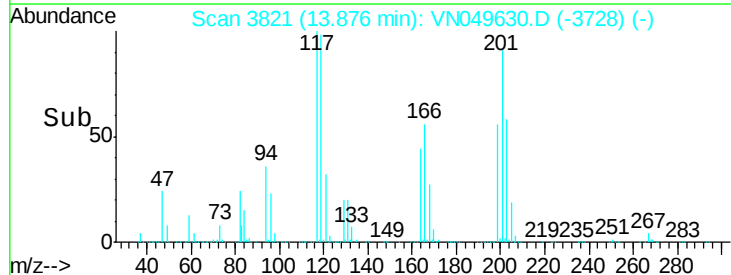
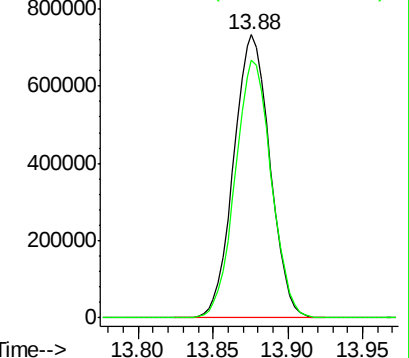
117 100

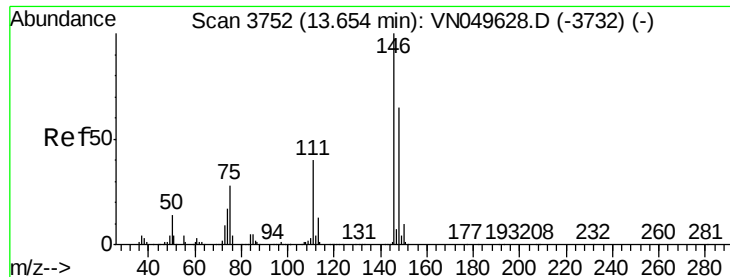
201 90.9 45.3 135.8



Abundance Ion 116.80 (116.50 to 117.50): VN049630.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN049630.D (-3728) (-)





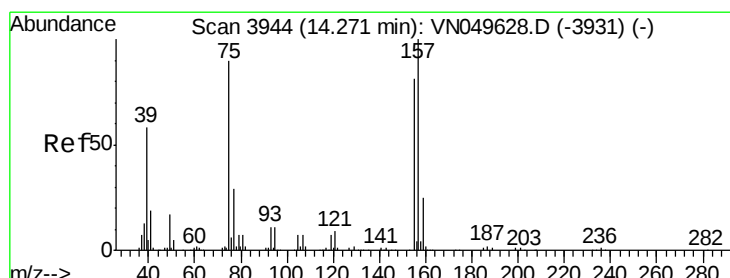
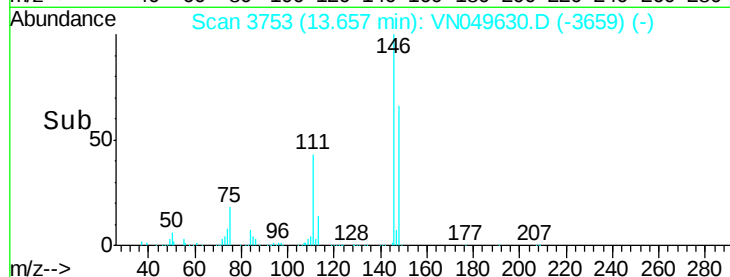
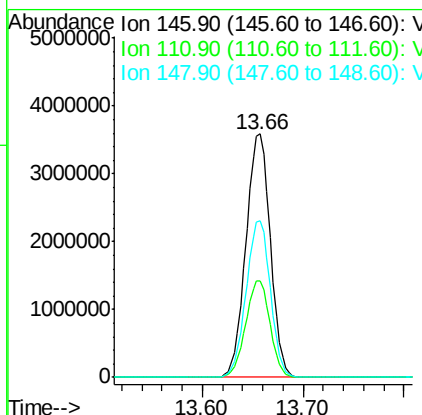
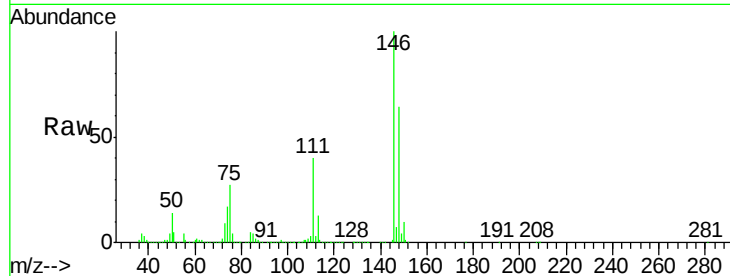
#91
 1,2-Dichlorobenzene
 Concen: 131.47 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	63.9	32.0	96.2

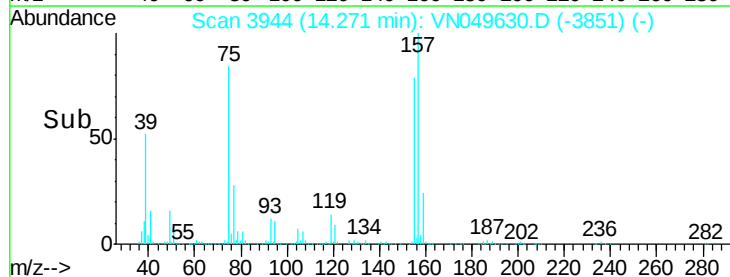
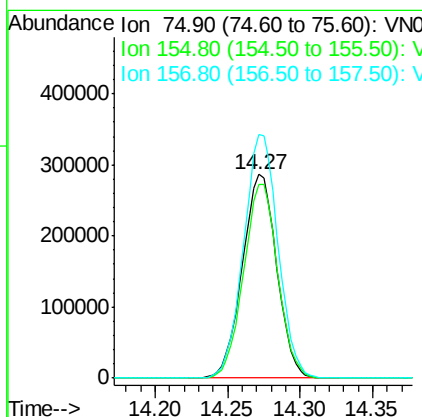
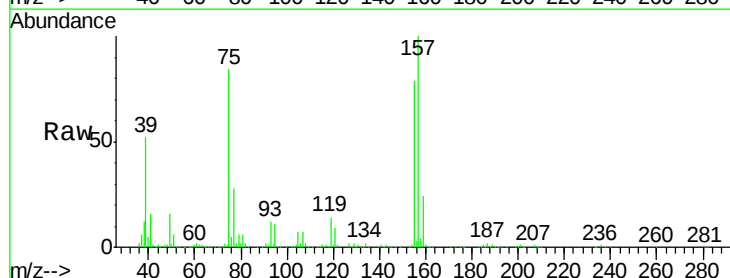
Manual Integrations
 APPROVED

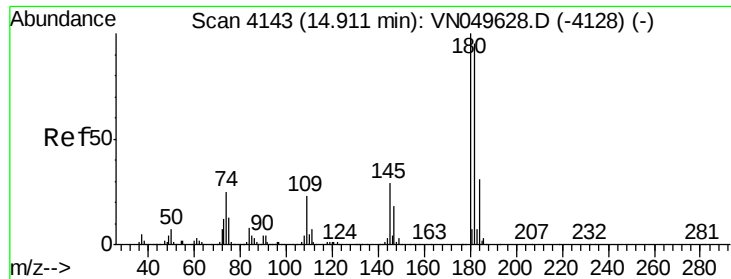
apatel
 7/2/2018 2:19:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 123.42 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	45.7	137.1
157	120.2	56.9	170.7





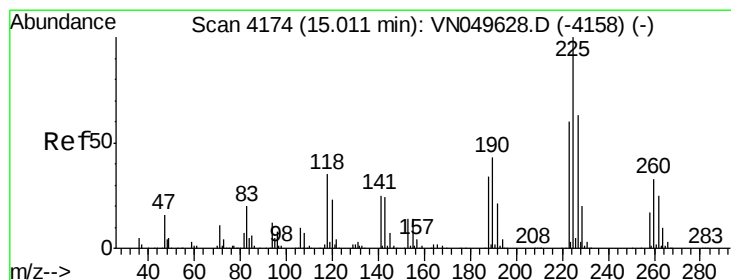
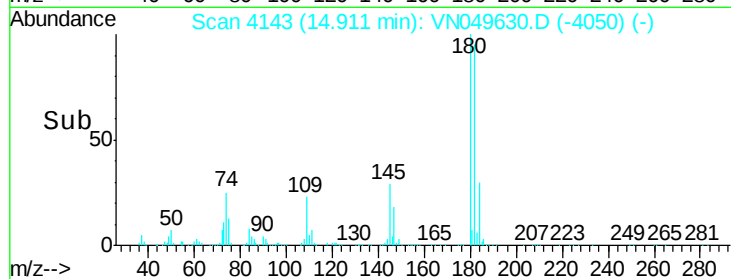
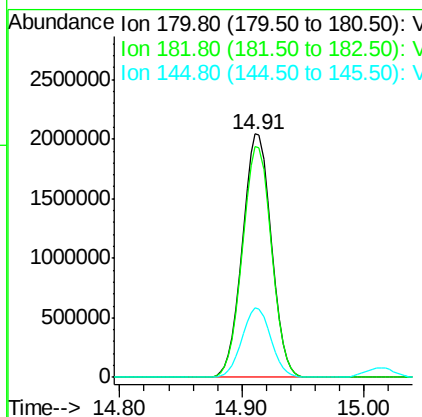
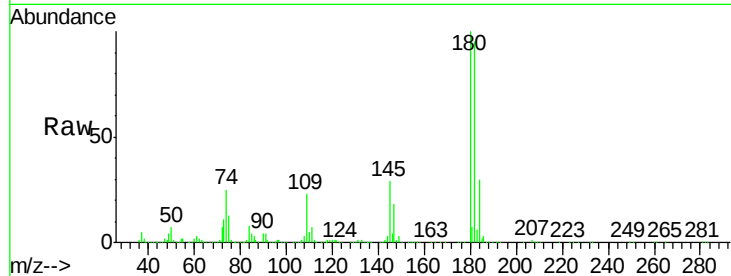
#93
 1,2,4-Trichlorobenzene
 Concen: 158.74 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.9
145	28.8	14.4	43.0

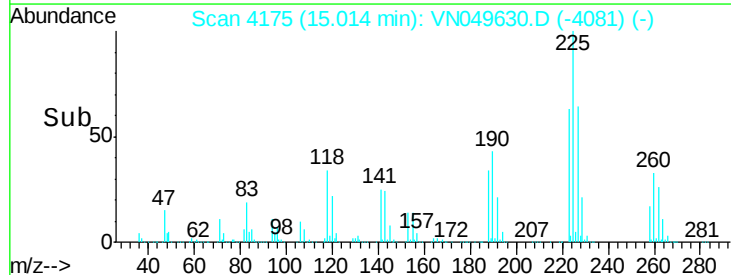
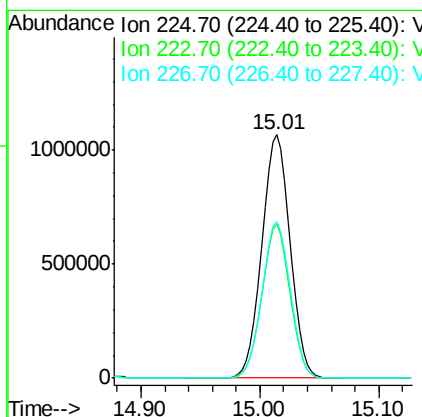
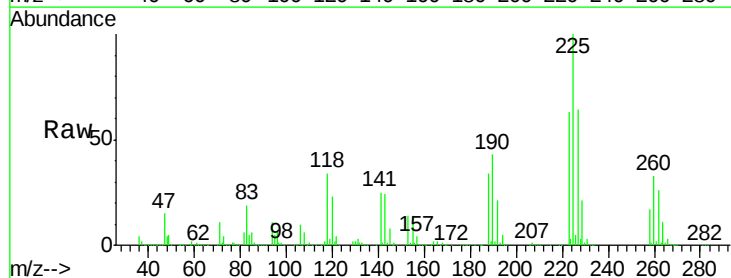
Manual Integrations
 APPROVED

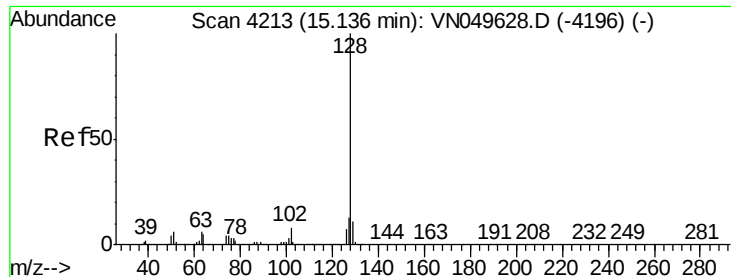
apatel
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#94
 Hexachlorobutadiene
 Concen: 120.94 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049630.D
 Acq: 29 Jun 2018 13:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.9	92.7
227	64.3	31.8	95.4





#95

Naphthalene

Concen: 168.82 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:128 Resp: 7559832

Ion Ratio Lower Upper

128 100

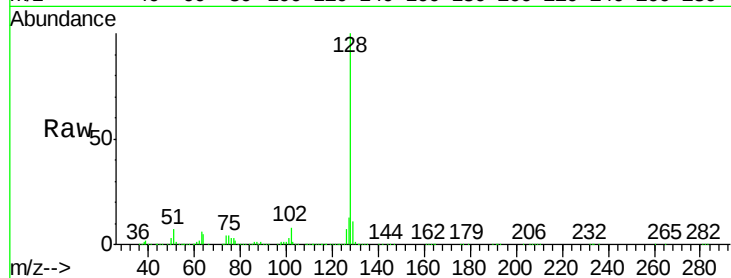
127 12.7 10.4 15.6

129 10.9 8.6 13.0

Manual Integrations
APPROVED

apatel

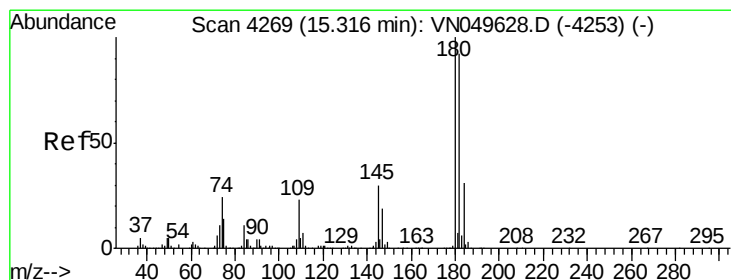
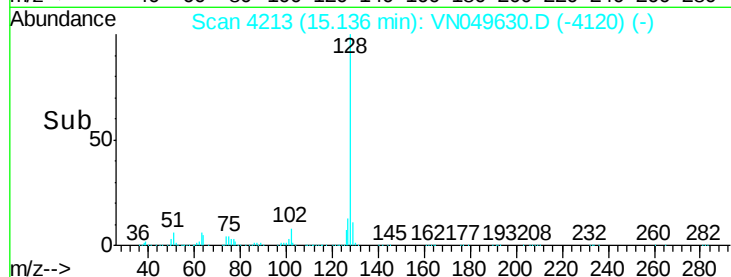
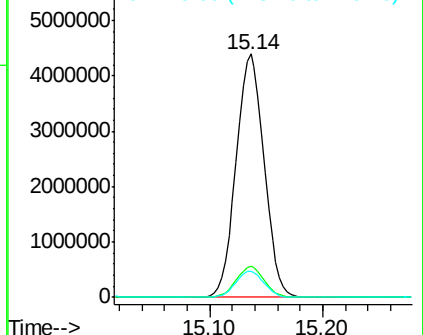
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 145.06 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049630.D

Acq: 29 Jun 2018 13:02

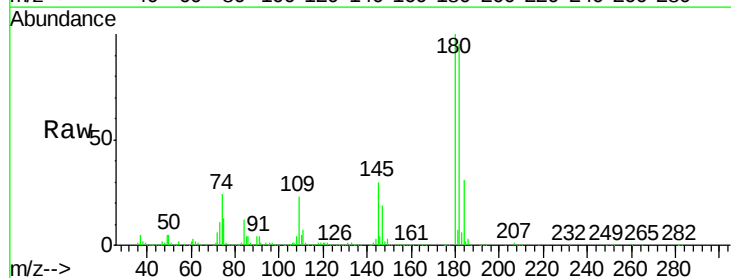
Tgt Ion:180 Resp: 3115126

Ion Ratio Lower Upper

180 100

182 95.5 47.4 142.2

145 30.2 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

