

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
 Data File : VN049627.D
 Acq On : 29 Jun 2018 11:45
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 7/2/2018 2:19:30 PM

Quant Time: Jun 30 00:30:42 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	1376484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2069846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1834146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	953718	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	375600	20.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.32%	
35) Dibromofluoromethane	7.59	113	326827	21.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.24%	
50) Toluene-d8	10.09	98	1230701	20.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.64%	
62) 4-Bromofluorobenzene	12.40	95	406228	19.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	327128	21.09	ug/l	94
3) Chloromethane	2.06	50	383430	19.79	ug/l	99
4) Vinyl Chloride	2.18	62	422961	20.33	ug/l	100
5) Bromomethane	2.56	94	213496	19.53	ug/l	98
6) Chloroethane	2.70	64	262734	19.95	ug/l	99
7) Trichlorofluoromethane	3.02	101	474074	19.94	ug/l	99
8) Diethyl Ether	3.41	74	186435	19.35	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	341304	19.96	ug/l	100
10) Methyl Iodide	3.95	142	404038	18.88	ug/l	99
11) Tert butyl alcohol	4.79	59	98616	94.54	ug/l	98
12) 1,1-Dichloroethene	3.73	96	312503	19.33	ug/l	99
13) Acrolein	3.61	56	96248	98.78	ug/l	96
14) Allyl chloride	4.32	41	456887	20.57	ug/l	100
15) Acrylonitrile	4.99	53	505604	93.85	ug/l	99
16) Acetone	3.82	43	382275	84.91	ug/l	99
17) Carbon Disulfide	4.05	76	885915	18.08	ug/l	98
18) Methyl Acetate	4.33	43	363344	13.26	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	805797	19.33	ug/l	99
20) Methylene Chloride	4.54	84	354727	18.95	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	321668	19.33	ug/l	97
22) Diisopropyl ether	5.95	45	1027823	20.46	ug/l	94
23) Vinyl Acetate	5.90	43	3158650	96.95	ug/l	100
24) 1,1-Dichloroethane	5.85	63	626539	19.79	ug/l	99
25) 2-Butanone	6.84	43	559203	92.67	ug/l	100
26) 2,2-Dichloropropane	6.82	77	519578	19.76	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	365495	19.66	ug/l	98
28) Bromochloromethane	7.19	49	274421	20.43	ug/l	100
29) Tetrahydrofuran	7.21	42	370572	96.35	ug/l	99
30) Chloroform	7.37	83	645869	20.02	ug/l	99
31) Cyclohexane	7.65	56	547554	17.57	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	547585	20.05	ug/l	99
36) 1,1-Dichloropropene	7.79	75	459126	19.72	ug/l	99
37) Ethyl Acetate	6.93	43	270077	19.88	ug/l	97
38) Carbon Tetrachloride	7.77	117	442639	19.54	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	486344	19.05	ug/l	98
40) Benzene	8.04	78	1418161	19.94	ug/l	100
41) Methacrylonitrile	7.19	41	169398m	23.36	ug/l	
42) 1,2-Dichloroethane	8.13	62	446344	19.67	ug/l	100
43) Isopropyl Acetate	8.17	43	523730	16.32	ug/l	99
44) Trichloroethene	8.84	130	419804	19.58	ug/l	99
45) 1,2-Dichloropropane	9.12	63	374281	20.37	ug/l	100
46) Dibromomethane	9.21	93	220595	19.85	ug/l	99
47) Bromodichloromethane	9.40	83	472061	19.95	ug/l	99
48) Methyl methacrylate	9.20	41	234517	19.43	ug/l	100
49) 1,4-Dioxane	9.20	88	61543	379.27	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1280299	96.14	ug/l	99
52) Toluene	10.16	92	861428	20.05	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	424575	18.74	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	517043	19.53	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	311620	19.48	ug/l	99
56) Ethyl methacrylate	10.43	69	355437	18.96	ug/l	99
57) 1,3-Dichloropropane	10.71	76	518702	20.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	794479	91.03	ug/l	100
59) 2-Hexanone	10.75	43	822794	93.44	ug/l	99
60) Dibromochloromethane	10.90	129	338653	19.59	ug/l	100
61) 1,2-Dibromoethane	11.01	107	293184	19.13	ug/l	99
64) Tetrachloroethene	10.63	164	487375	19.62	ug/l	98
65) Chlorobenzene	11.44	112	922871	19.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	344184	20.02	ug/l	99
67) Ethyl Benzene	11.51	91	1546680	19.56	ug/l	99
68) m/p-Xylenes	11.62	106	1225301	40.42	ug/l	100
69) o-Xylene	11.95	106	589009	20.30	ug/l	97
70) Styrene	11.97	104	949333	20.22	ug/l	100
71) Bromoform	12.13	173	216435	18.95	ug/l	# 100
73) Isopropylbenzene	12.25	105	1530934	20.15	ug/l	99
74) N-amyl acetate	12.07	43	381588	18.39	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	336471	18.76	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	289381m	17.48	ug/l	
77) Bromobenzene	12.53	156	397493	19.24	ug/l	98
78) n-propylbenzene	12.59	91	1761485	20.23	ug/l	99
79) 2-Chlorotoluene	12.68	91	1083779	19.67	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1306837	20.70	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	80957	17.98	ug/l	95
82) 4-Chlorotoluene	12.77	91	1094202	19.75	ug/l	100
83) tert-Butylbenzene	12.99	119	1078099	19.88	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1328054	20.47	ug/l	100
85) sec-Butylbenzene	13.17	105	1461858	20.35	ug/l	100
86) p-Isopropyltoluene	13.29	119	1285565	20.66	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	705831	18.51	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	684343	17.98	ug/l	100
89) n-Butylbenzene	13.62	91	1002206	18.81	ug/l	99
90) Hexachloroethane	13.88	117	119827	18.33	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	690240	18.62	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53464	17.08	ug/l	97

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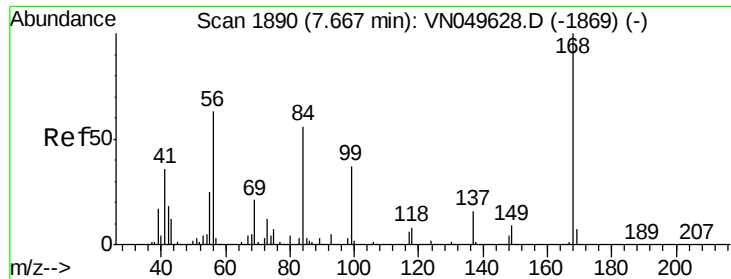
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	280719	16.45	ug/l	100
94) Hexachlorobutadiene	15.01	225	217462	18.37	ug/l	99
95) Naphthalene	15.14	128	539412	14.73	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	283321	16.13	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 1376484

Ion Ratio Lower Upper

168 100

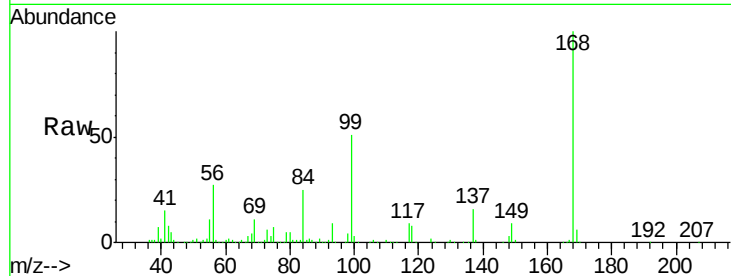
99 50.6 40.6 61.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

300000

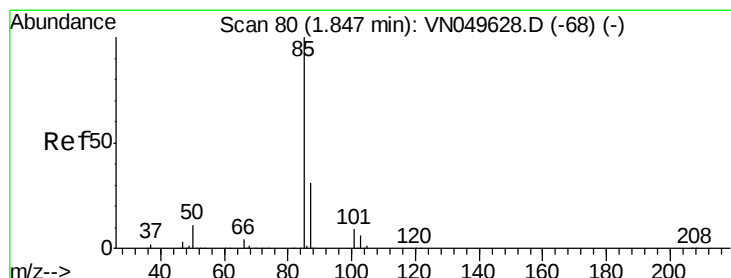
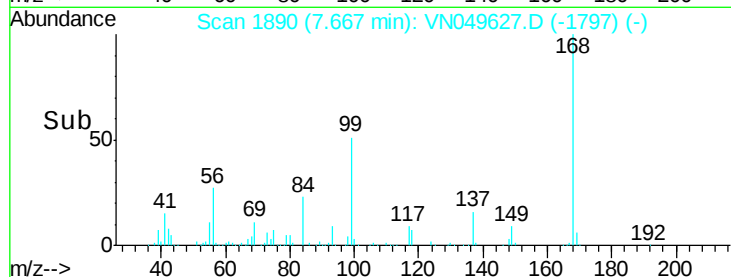
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.09 ug/l

RT: 1.85 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN049627.D

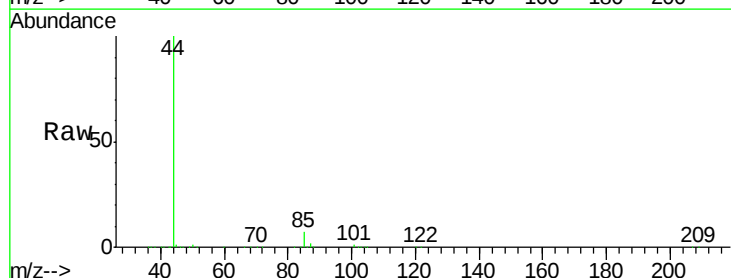
Acq: 29 Jun 2018 11:45

Tgt Ion: 85 Resp: 327128

Ion Ratio Lower Upper

85 100

87 34.0 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

250000

200000

150000

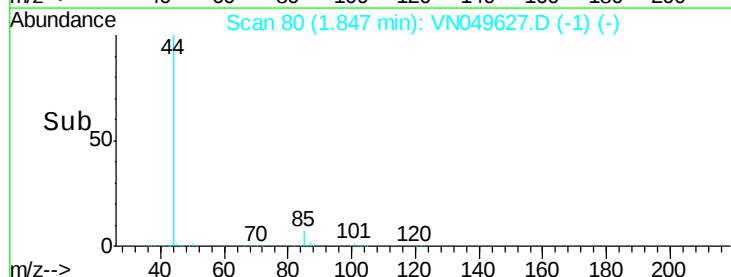
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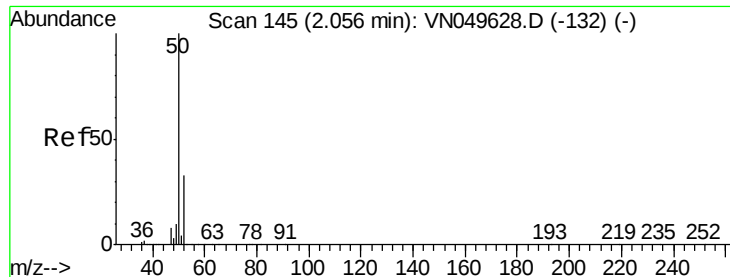
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.79 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 383430

Ion Ratio Lower Upper

50 100

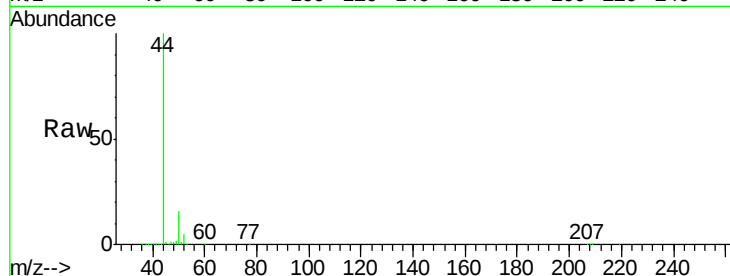
52 33.2 26.1 39.1

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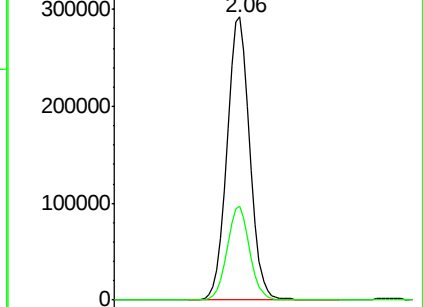
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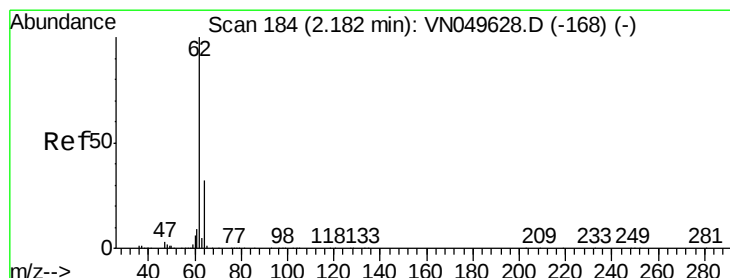
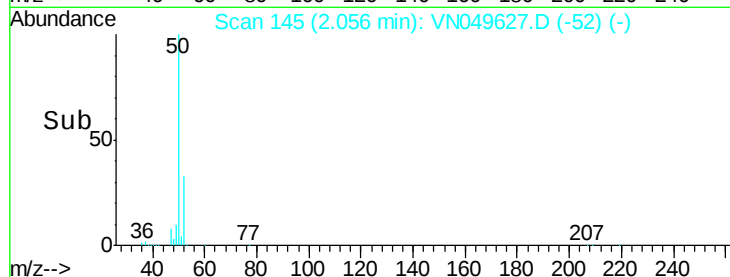


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 20.33 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049627.D

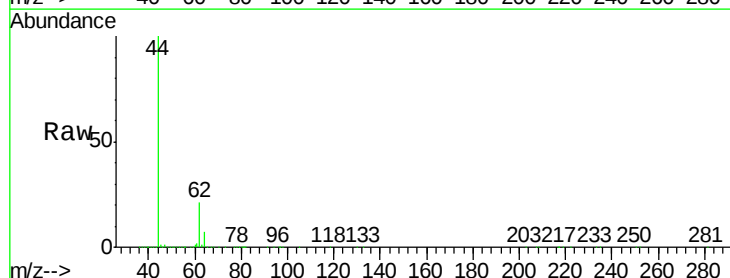
Acq: 29 Jun 2018 11:45

Tgt Ion: 62 Resp: 422961

Ion Ratio Lower Upper

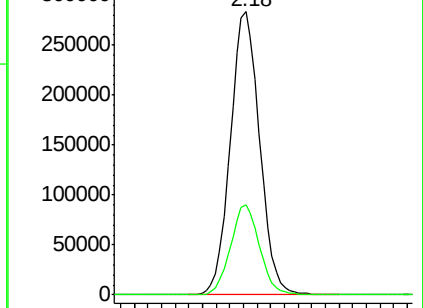
62 100

64 31.7 25.4 38.0

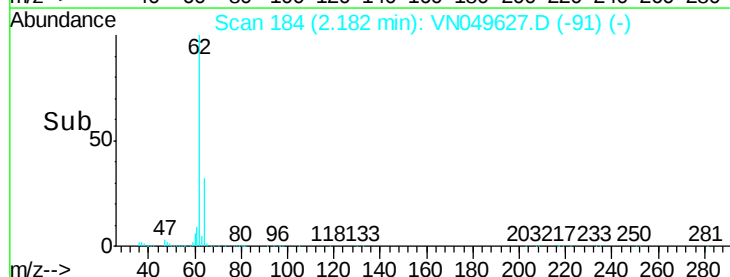


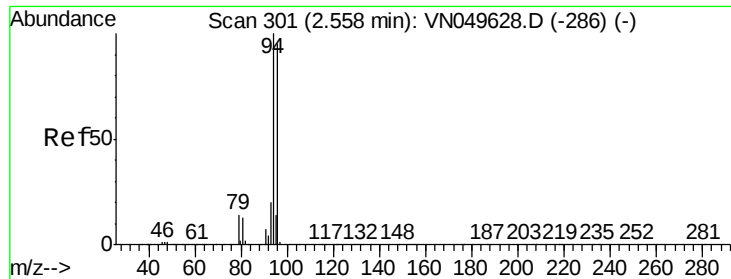
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 19.53 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Tot Ion: 94 Resp: 213496

Ion Ratio Lower Upper

94 100

96 92.7 75.7 113.5

Instrument :

MSVOA_N

ClientSampled :

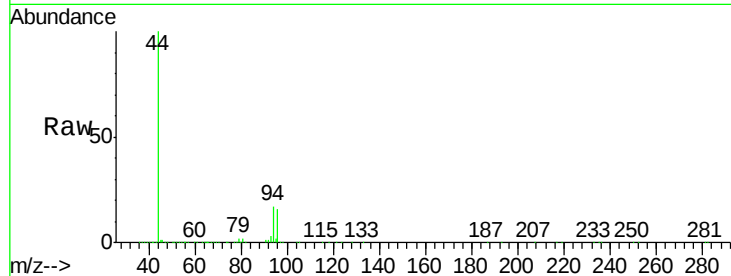
VSTDIC020

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

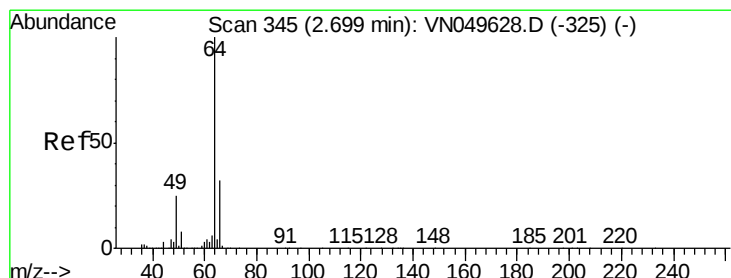
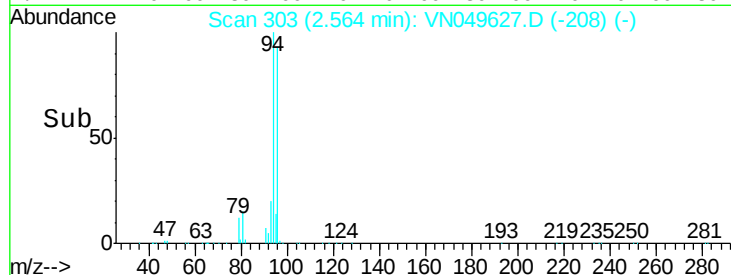
2.56

100000

50000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.95 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN049627.D

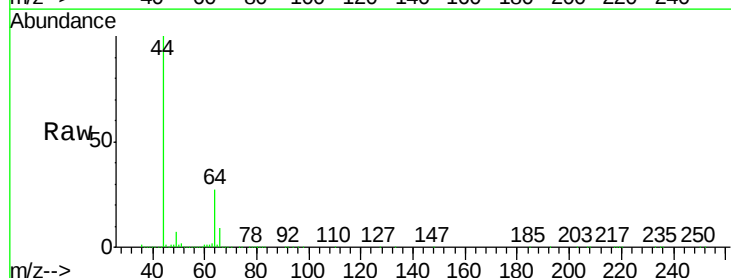
Acq: 29 Jun 2018 11:45

Tgt Ion: 64 Resp: 262734

Ion Ratio Lower Upper

64 100

66 32.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

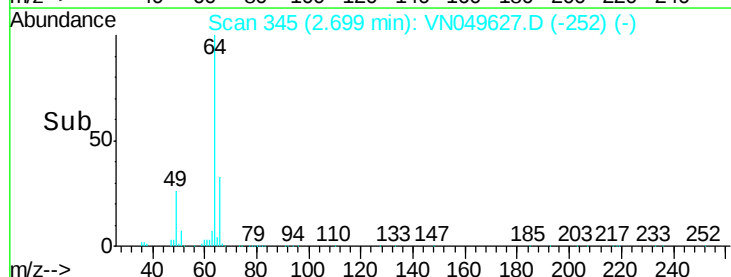
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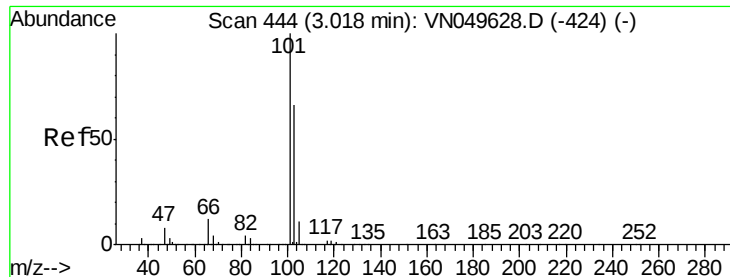
100000

50000

0

Time--> 2.60 2.70 2.80





#7

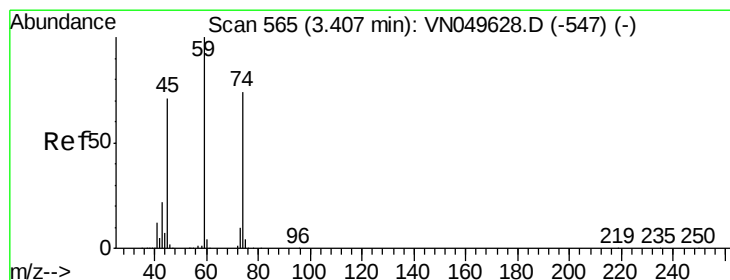
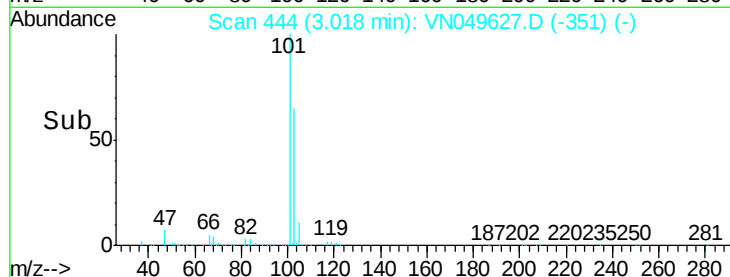
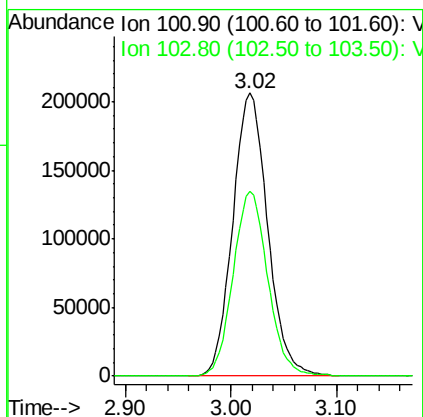
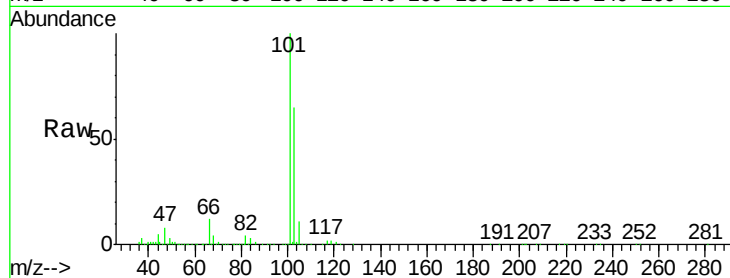
Trichlorofluoromethane
Concen: 19.94 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

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ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	65.2	52.8	79.2	

Manual Integrations
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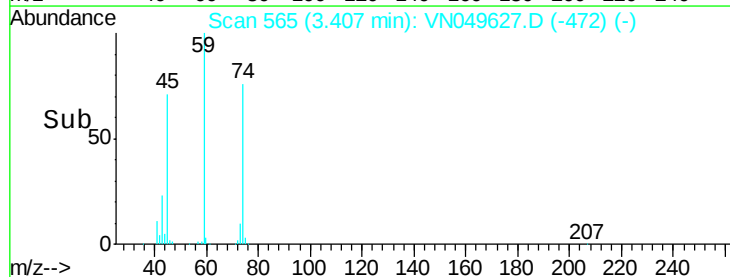
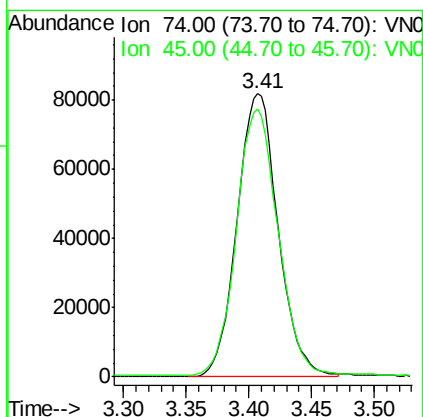
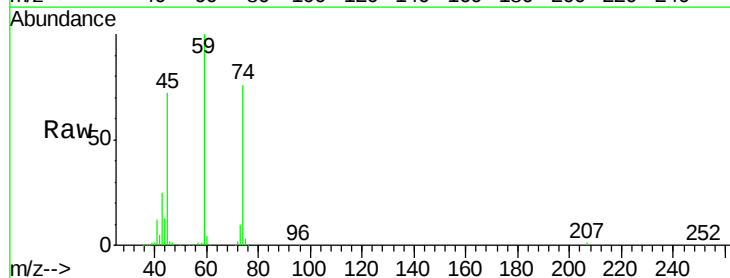
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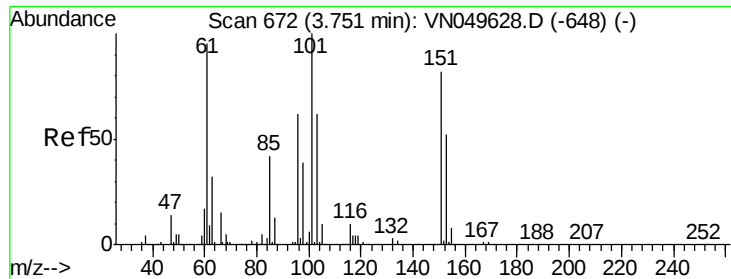


#8

Diethyl Ether
Concen: 19.35 ug/l
RT: 3.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	95.2	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.96 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

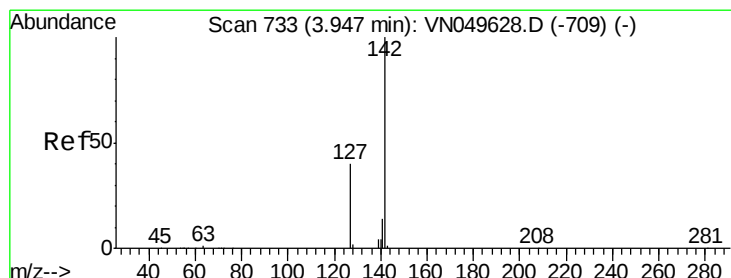
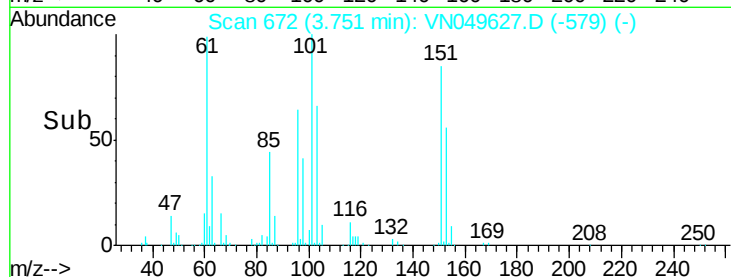
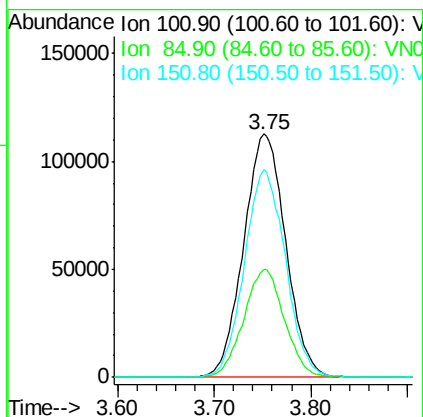
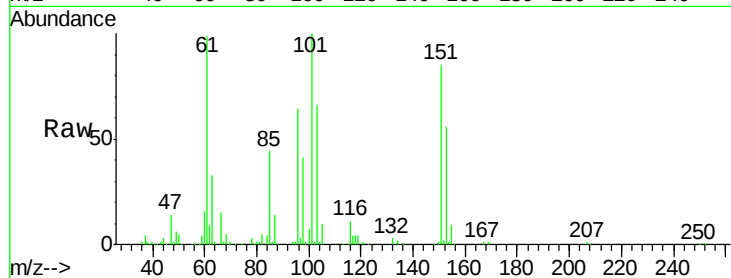
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	341304
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.4	51.6
151	83.3	66.2	99.4

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#10

Methyl Iodide

Concen: 18.88 ug/l

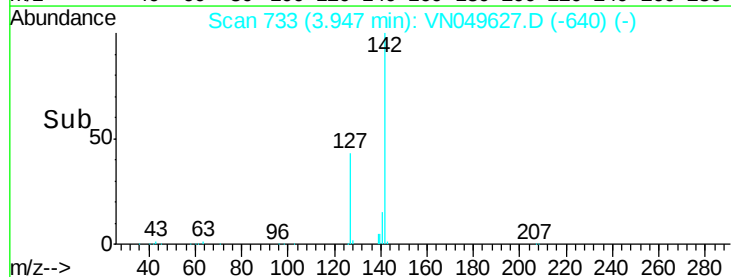
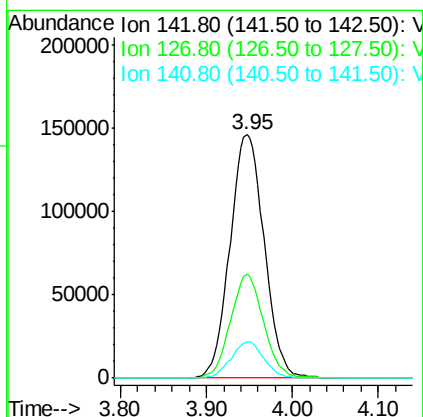
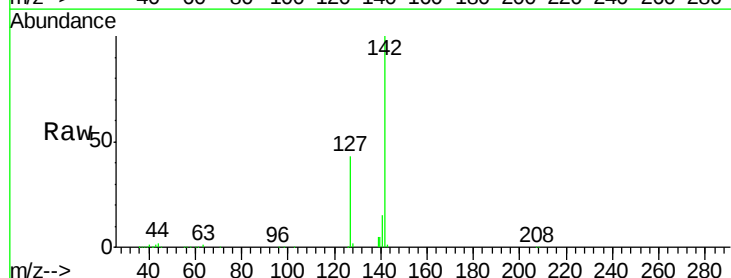
RT: 3.95 min Scan# 733

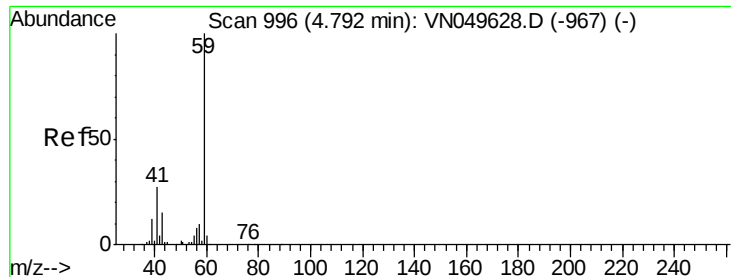
Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Tgt Ion:	142	Resp:	404038
Ion Ratio	Lower	Upper	
142	100		
127	41.3	32.5	48.7
141	14.3	11.1	16.7





#11

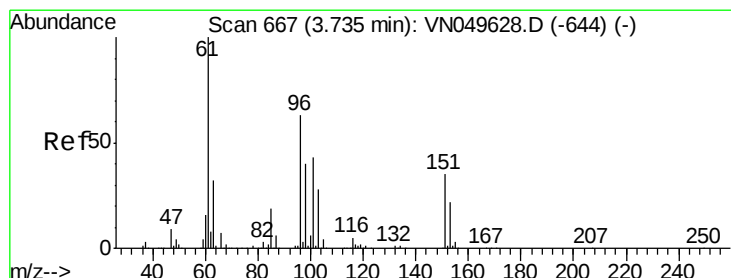
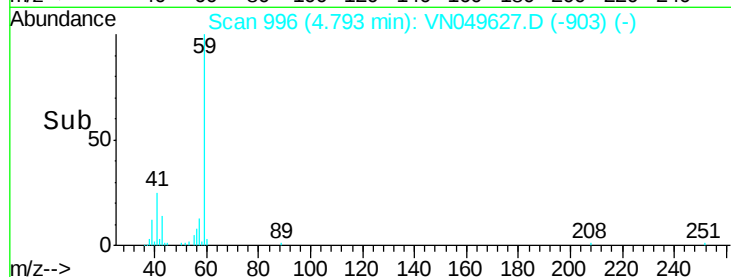
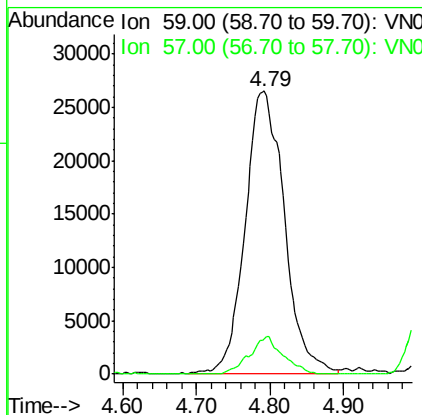
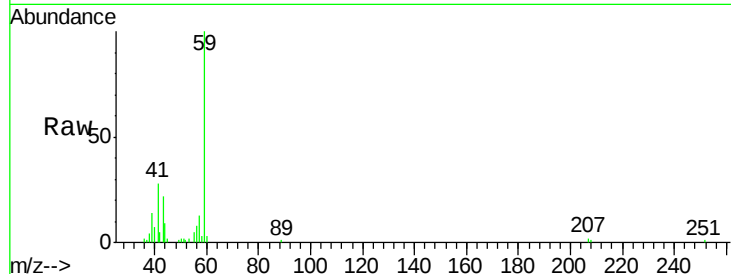
Tert butyl alcohol
 Concen: 94.54 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	59	Resp	98616
Ion Ratio	100	Lower	Upper
57	11.2	8.5	12.7

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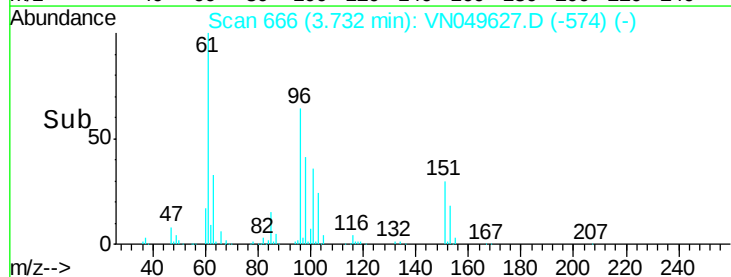
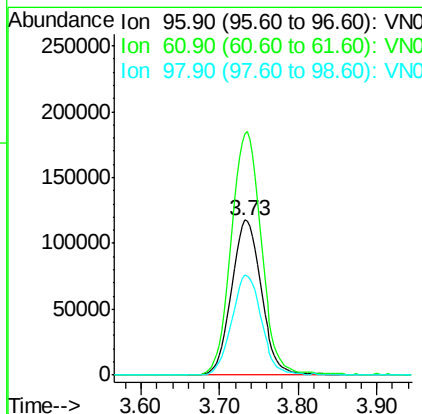
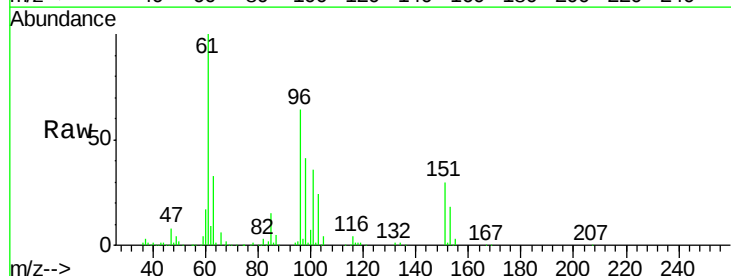
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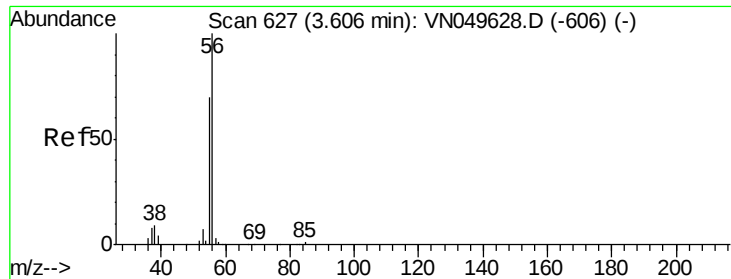


#12

1,1-Dichloroethene
 Concen: 19.33 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Tgt Ion	96	Resp	312503
Ion Ratio	100	Lower	Upper
61	156.1	126.5	189.7
98	64.4	51.0	76.6





#13

Acrolein

Concen: 98.78 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 56 Resp: 96248

Ion Ratio Lower Upper

56 100

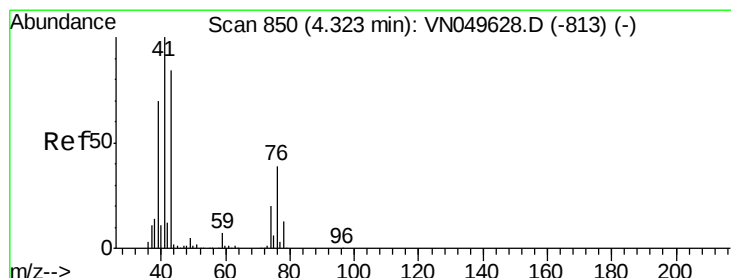
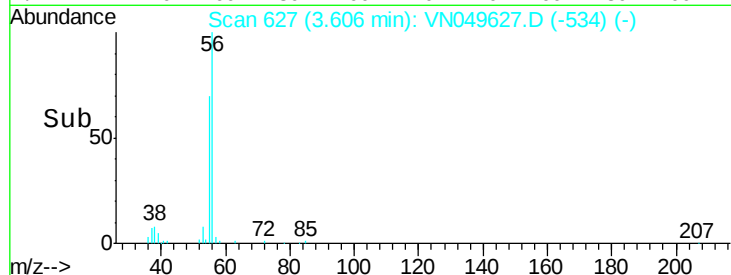
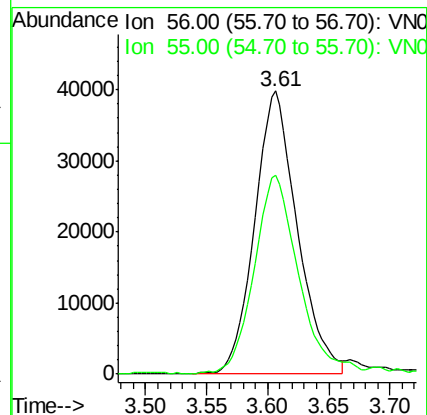
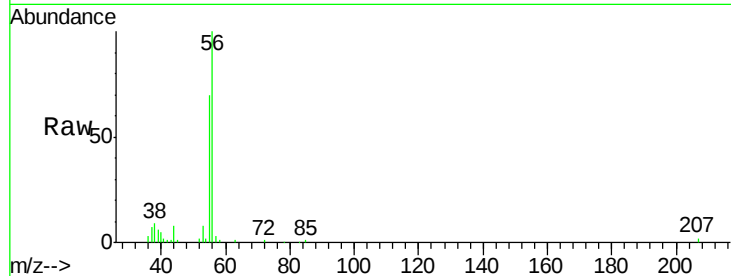
55 73.4 55.8 83.8

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#14

Allyl chloride

Concen: 20.57 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

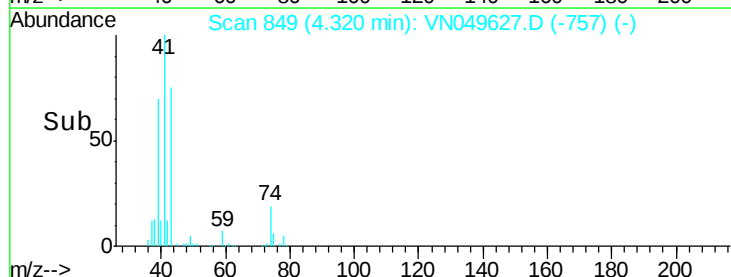
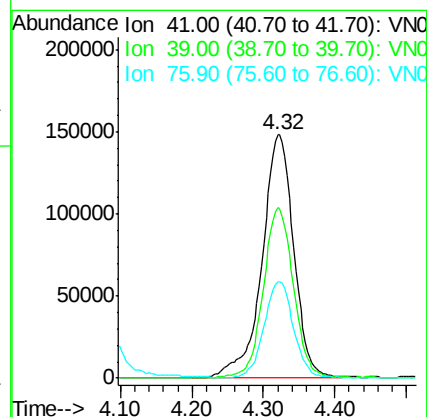
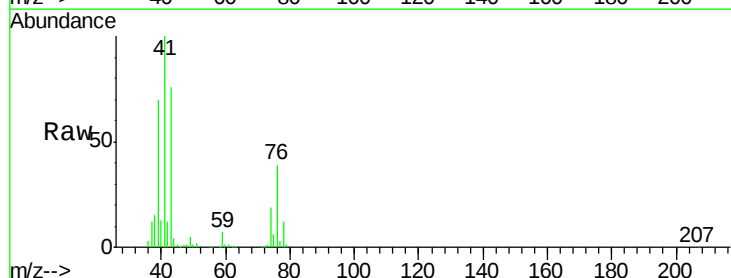
Tgt Ion: 41 Resp: 456887

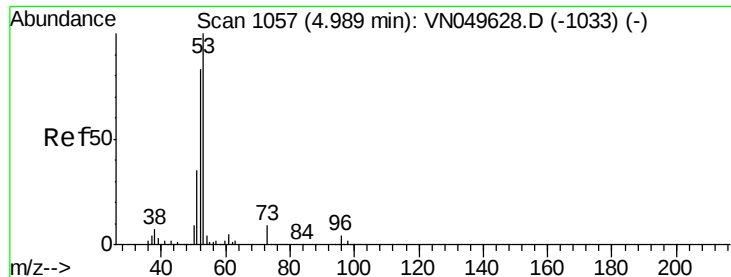
Ion Ratio Lower Upper

41 100

39 66.1 53.2 79.8

76 36.0 29.0 43.6





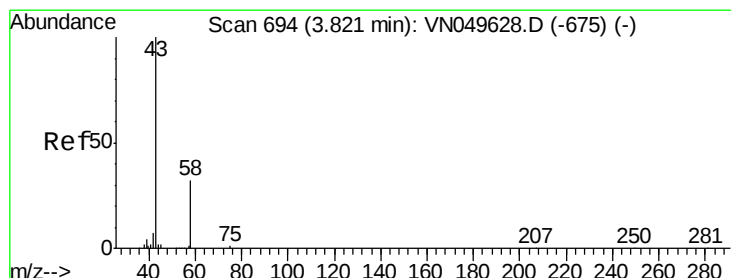
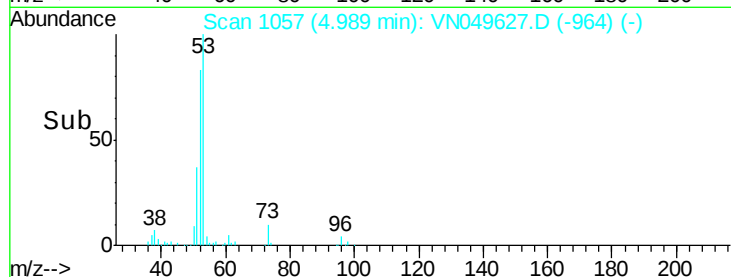
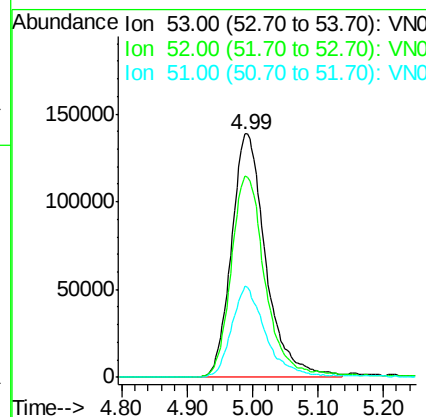
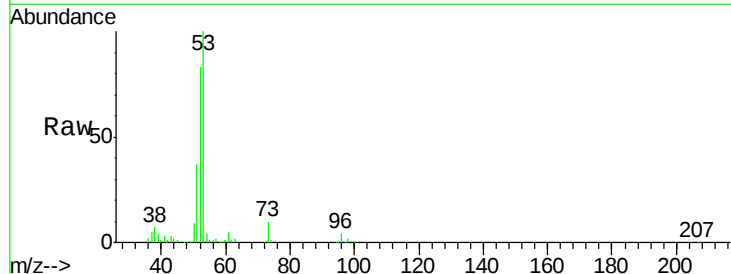
#15
 Acrylonitrile
 Concen: 93.85 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.9	64.8	97.2
51	37.0	28.9	43.3

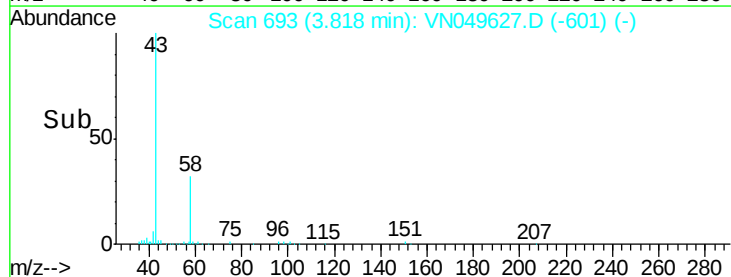
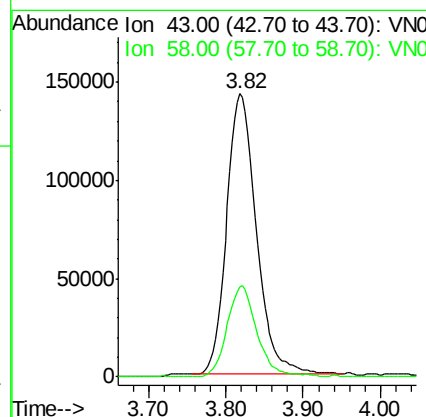
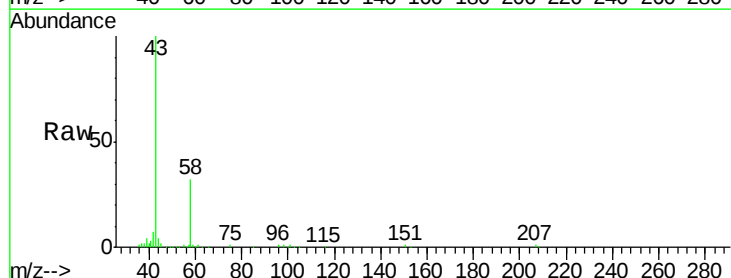
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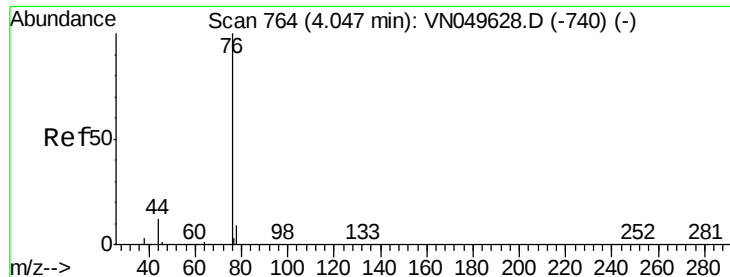
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#16
 Acetone
 Concen: 84.91 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.9	38.9





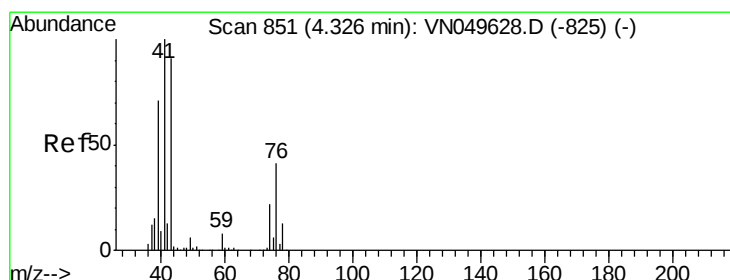
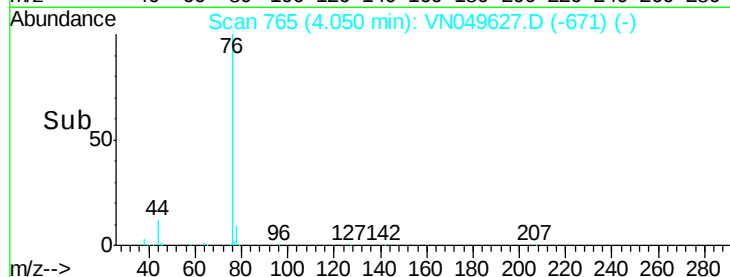
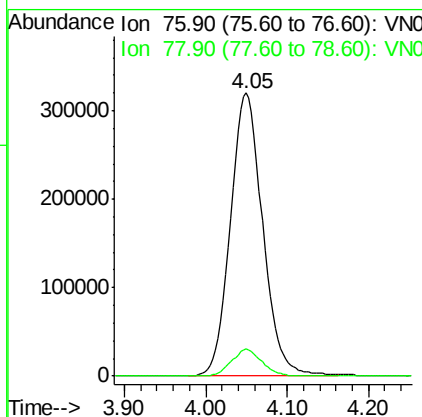
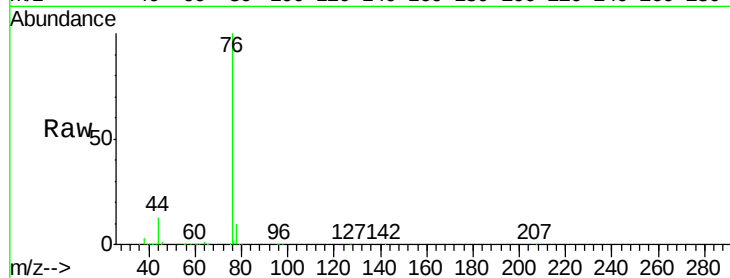
#17
Carbon Disulfide
Concen: 18.08 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.1	10.7

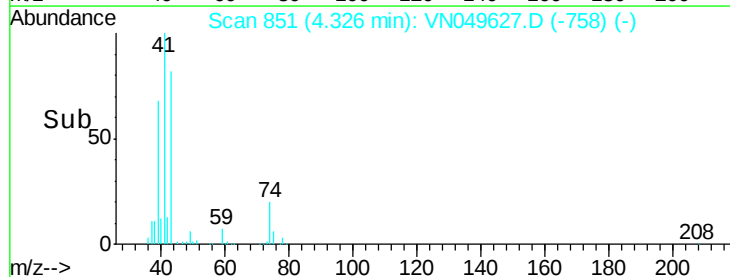
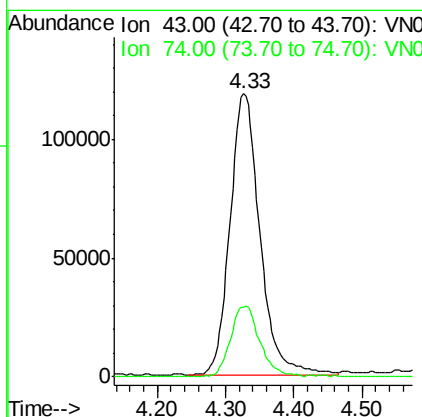
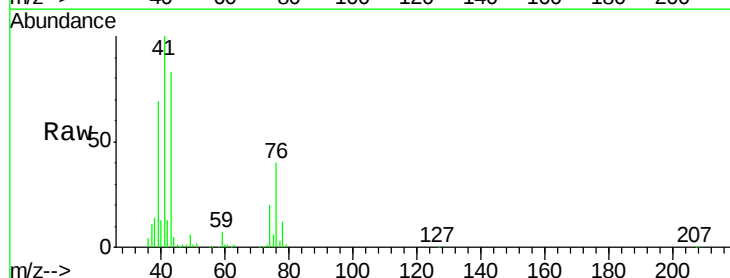
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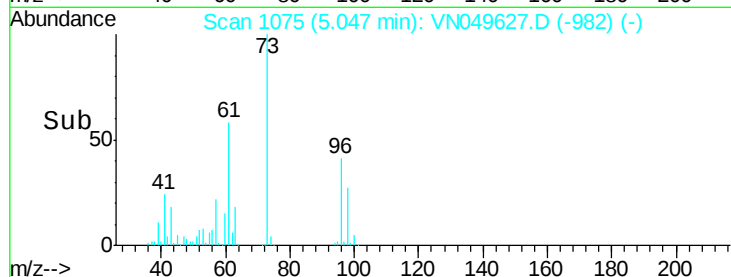
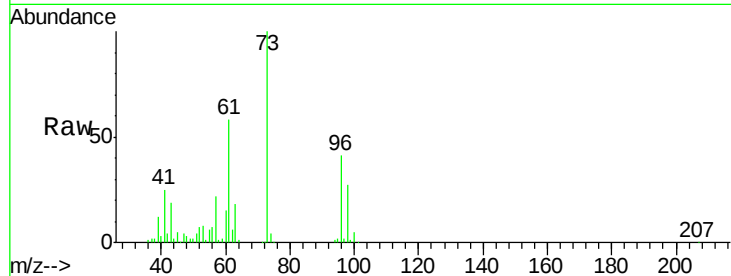
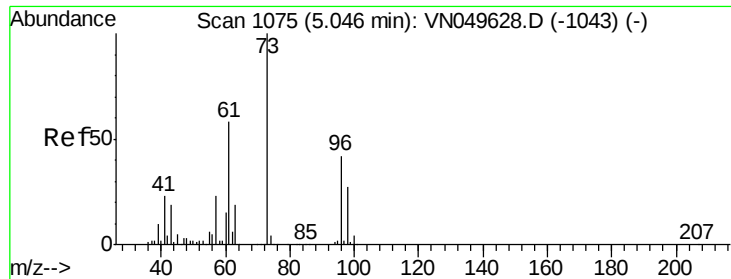
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#18
Methyl Acetate
Concen: 13.26 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.8	29.8





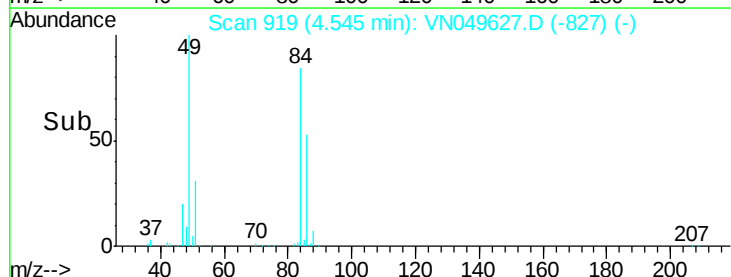
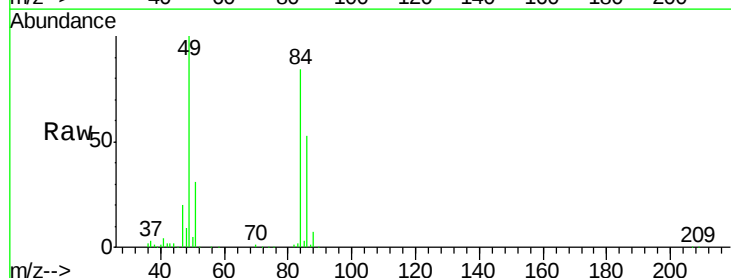
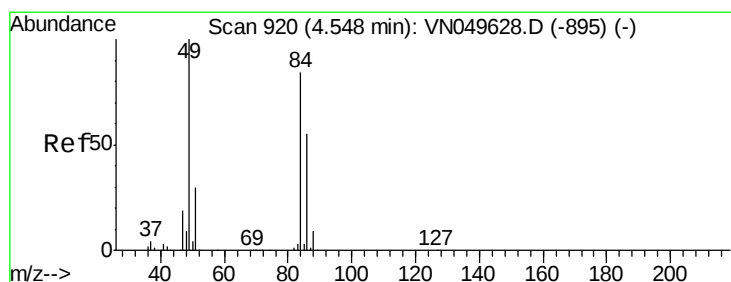
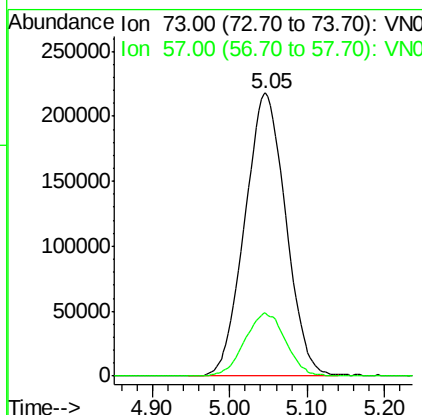
#19
Methyl tert-butyl Ether
Concen: 19.33 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tot Ion: 73 Resp: 805797
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

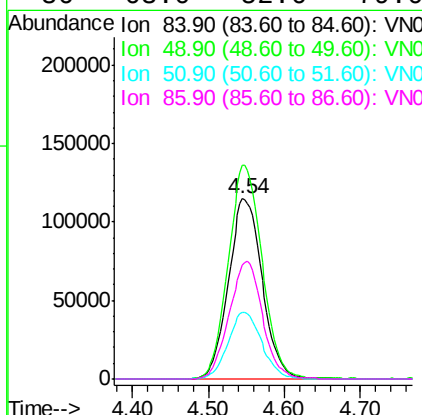
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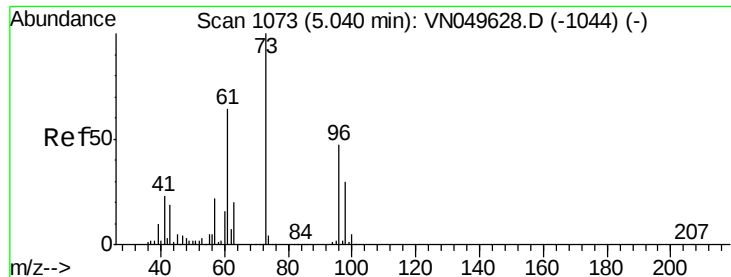
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#20
Methylene Chloride
Concen: 18.95 ug/l
RT: 4.54 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion: 84 Resp: 354727
Ion Ratio Lower Upper
84 100
49 118.5 95.4 143.2
51 37.1 28.4 42.6
86 63.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.33 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 96 Resp: 321668

Ion Ratio Lower Upper

96 100

61 141.9 109.0 163.6

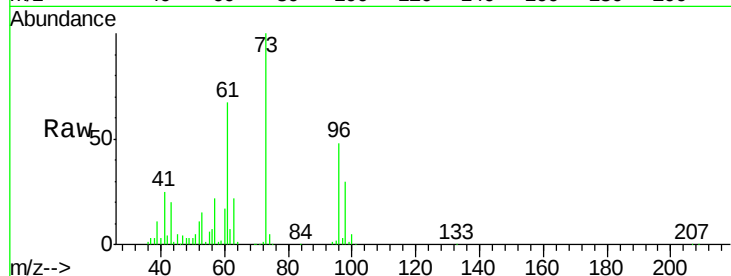
98 63.2 51.1 76.7

Manual Integrations

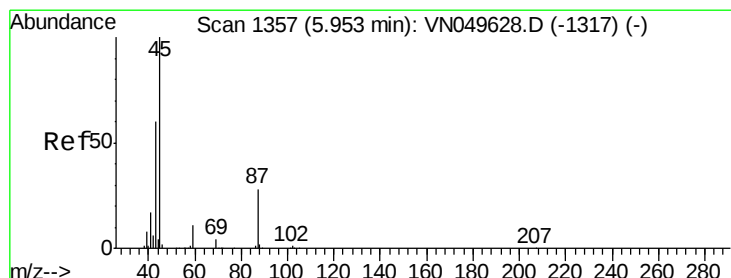
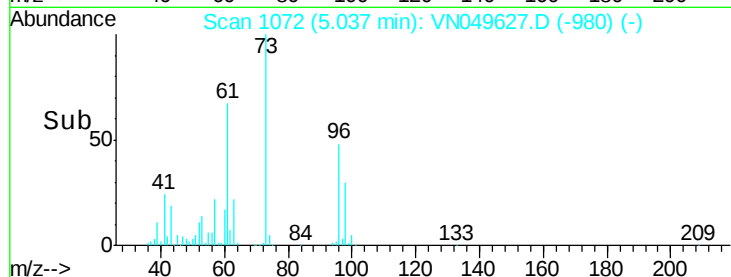
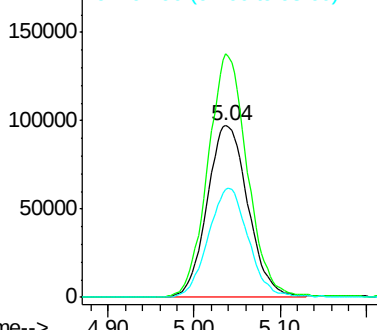
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 20.46 ug/l

RT: 5.95 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Tgt Ion: 45 Resp: 1027823

Ion Ratio Lower Upper

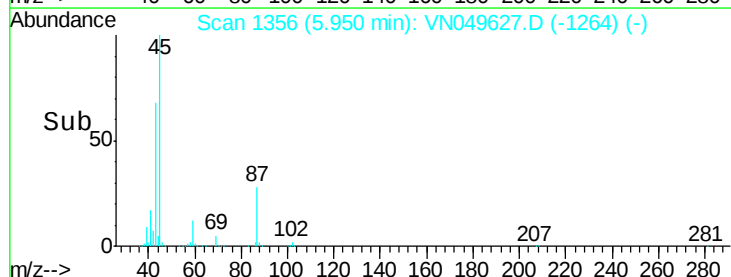
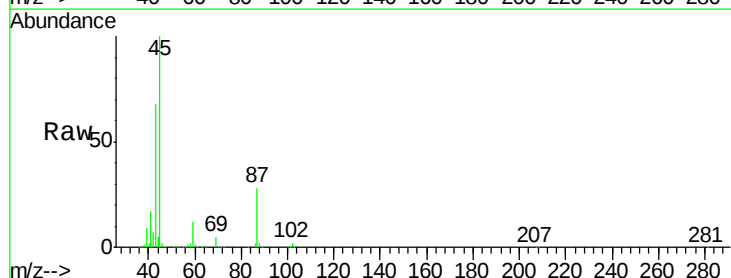
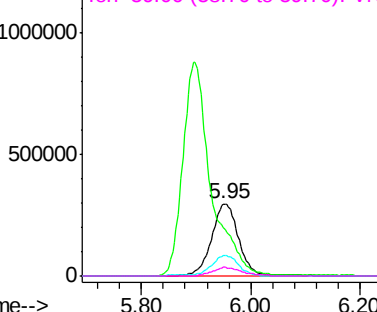
45 100

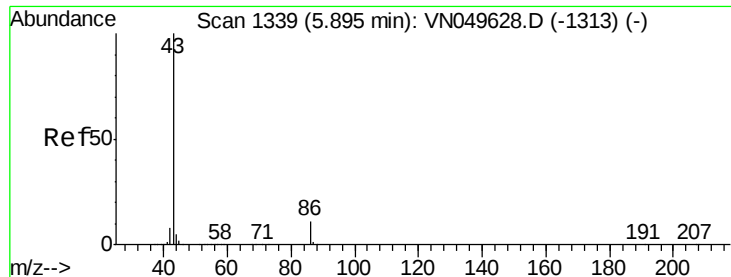
43 67.0 48.1 72.1

87 28.0 22.6 34.0

59 11.5 9.2 13.8

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





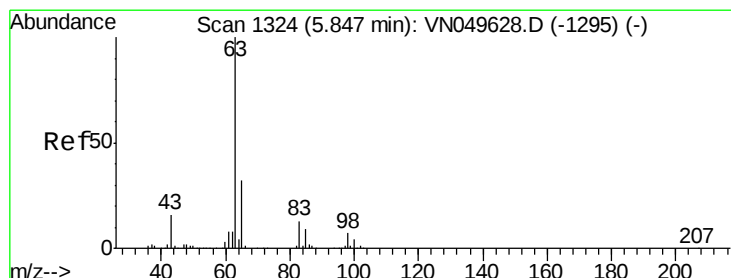
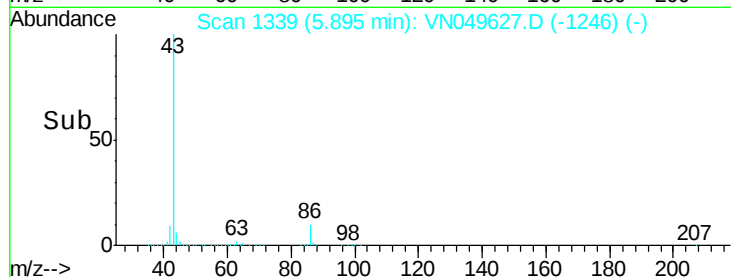
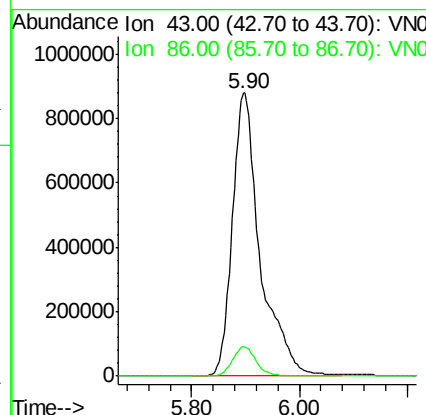
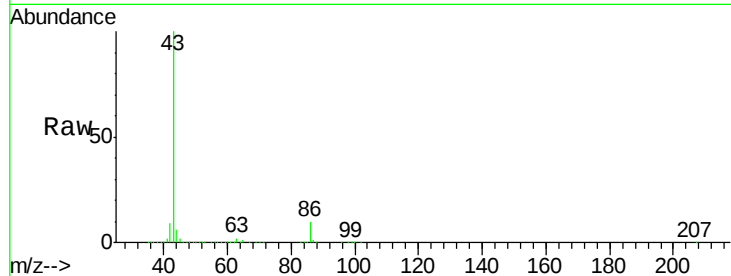
#23
 Vinyl Acetate
 Concen: 96.95 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 43 Resp: 3158650
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6

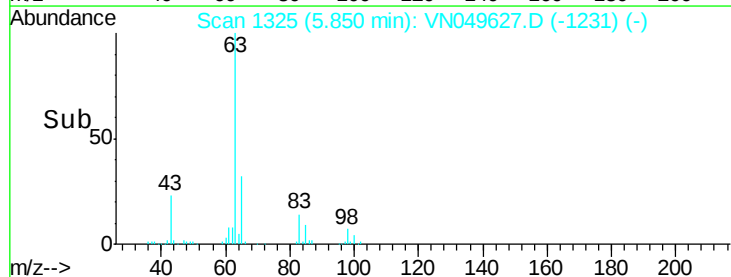
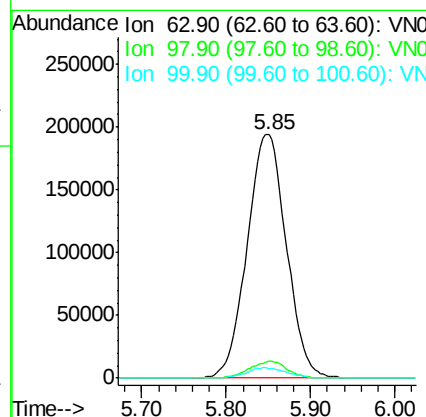
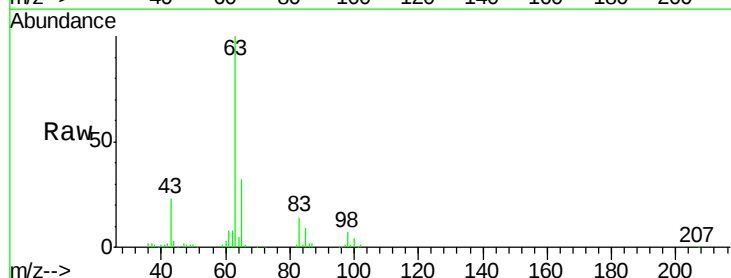
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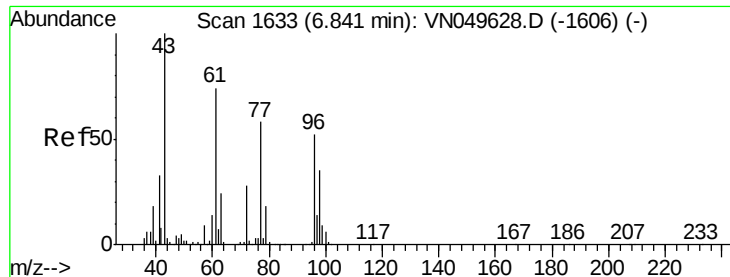
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#24
 1,1-Dichloroethane
 Concen: 19.79 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Tgt Ion: 63 Resp: 626539
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.2
 100 4.1 2.2 6.6





#25

2-Butanone

Concen: 92.67 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 559203

Ion Ratio Lower Upper

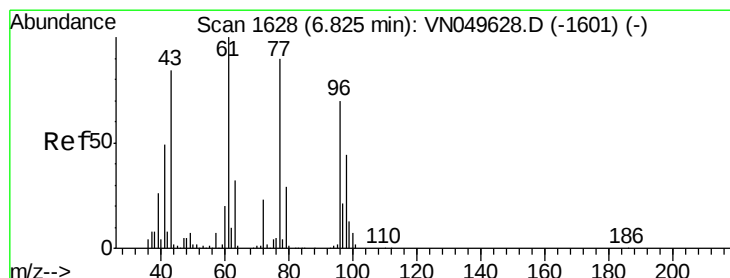
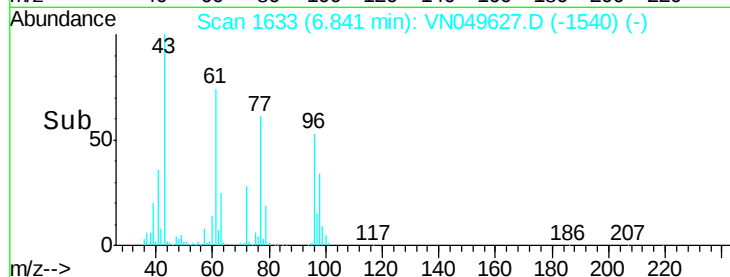
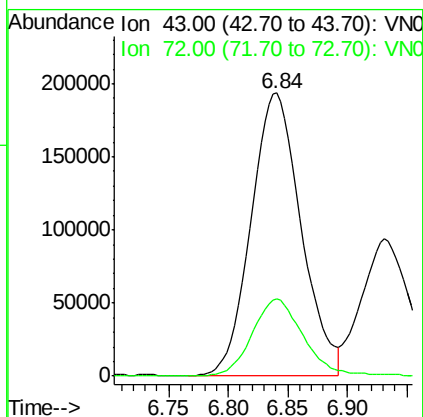
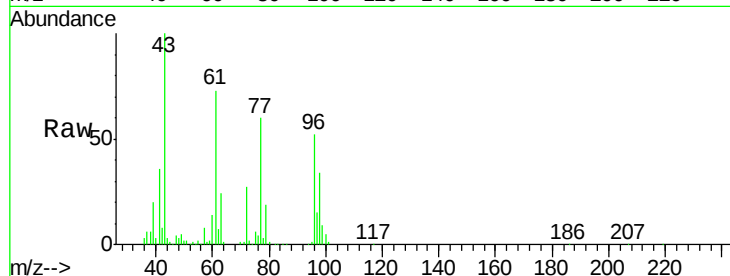
43 100

72 27.5 22.1 33.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.76 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049627.D

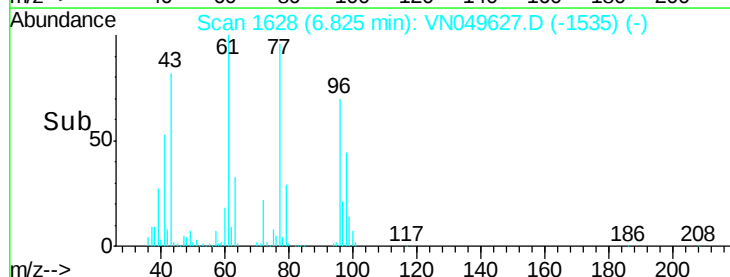
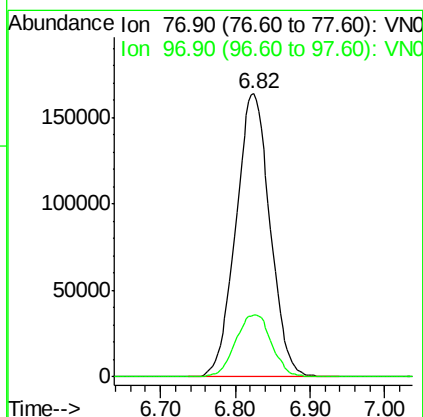
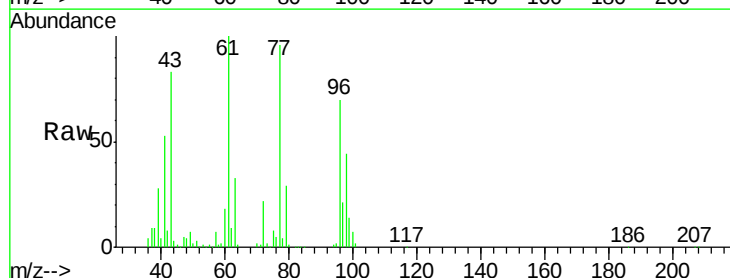
Acq: 29 Jun 2018 11:45

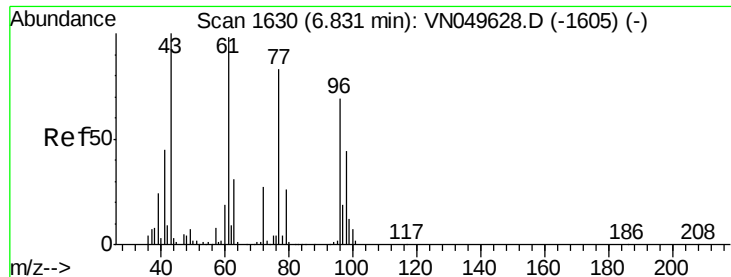
Tgt Ion: 77 Resp: 519578

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.5





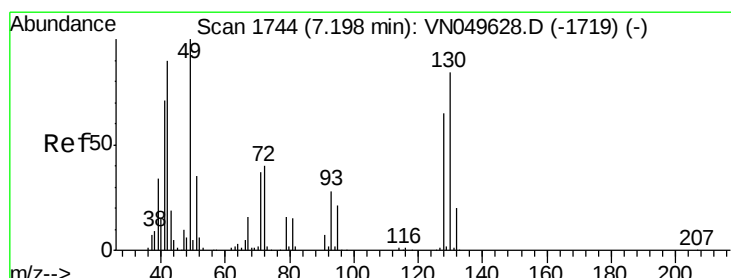
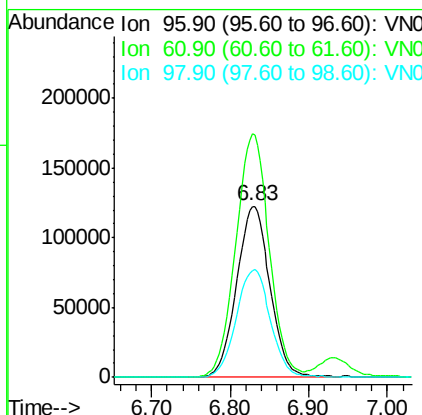
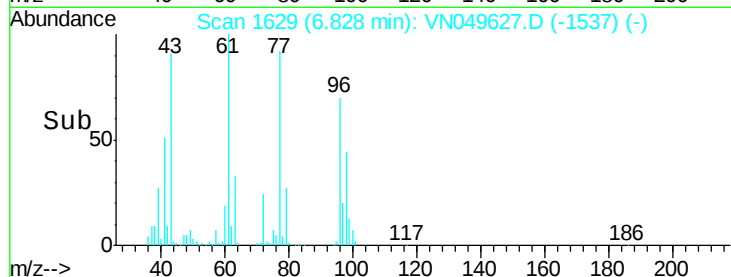
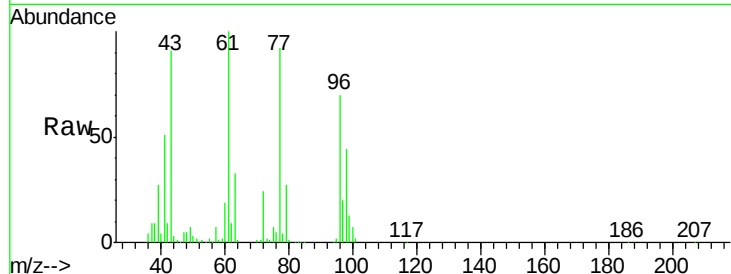
#27
 cis-1,2-Dichloroethene
 Concen: 19.66 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	365495		
61	142.0		0.0	289.0
98	64.8		0.0	130.2

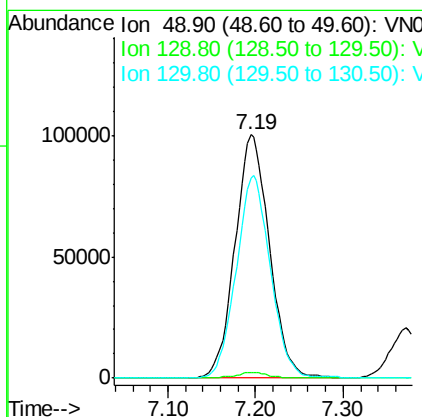
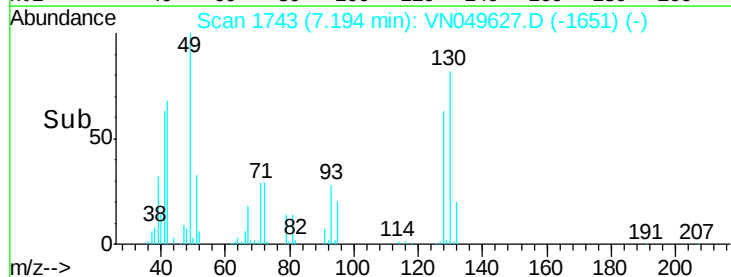
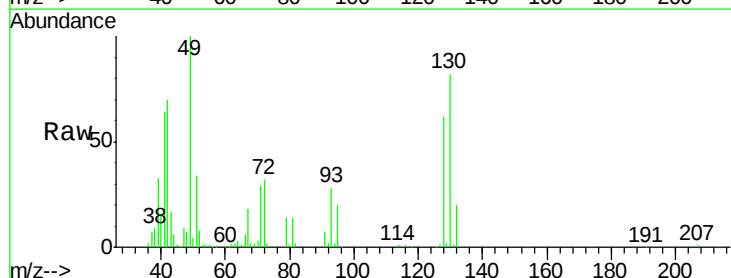
Manual Integrations
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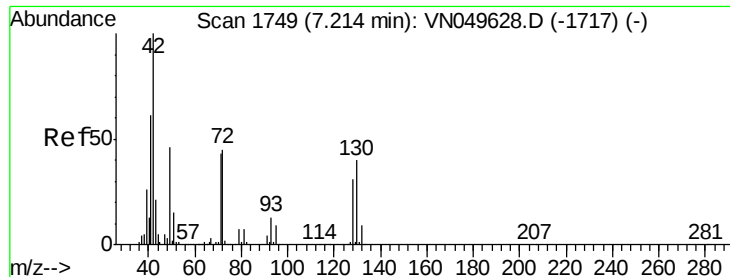
apatel
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#28
 Bromochloromethane
 Concen: 20.43 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	274421		
129	2.1		0.0	4.2
130	82.2		65.5	98.3





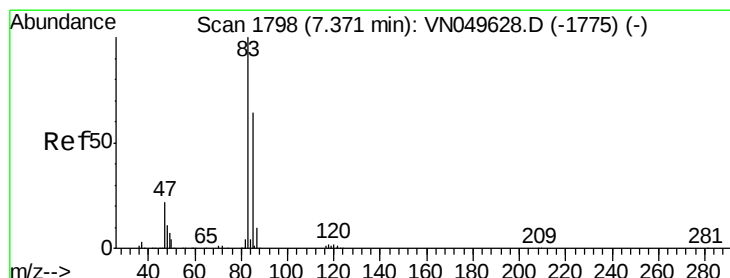
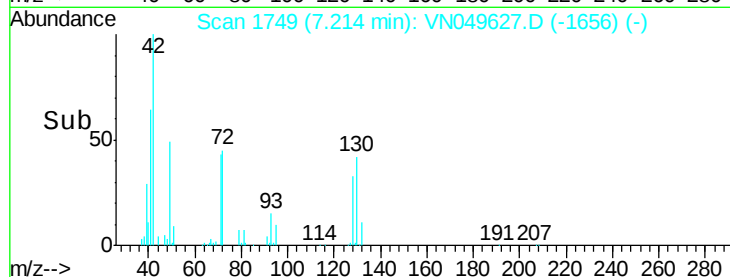
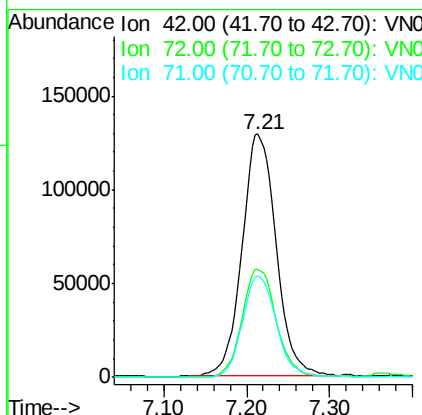
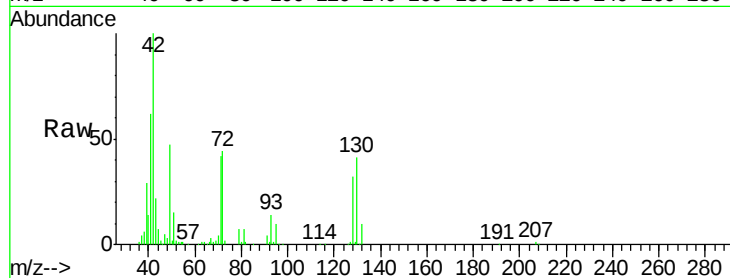
#29
Tetrahydrofuran
Concen: 96.35 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.6	53.4
71	41.6	34.0	51.0

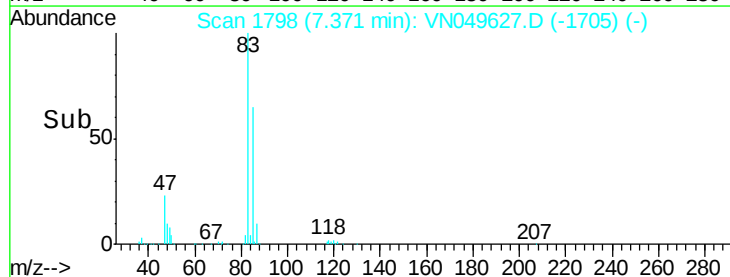
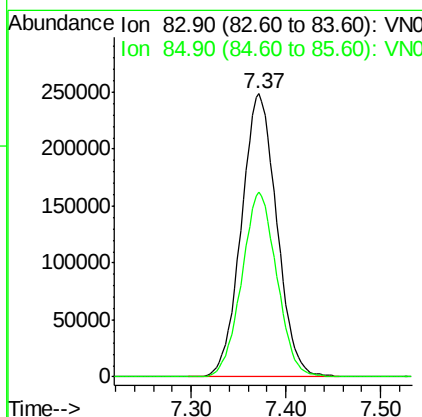
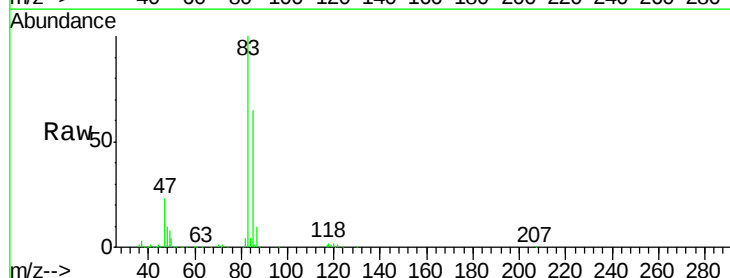
Manual Integrations
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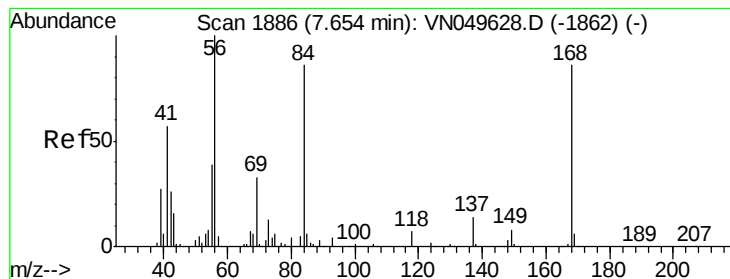
apatel
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#30
Chloroform
Concen: 20.02 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2





#31

Cyclohexane

Concen: 17.57 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

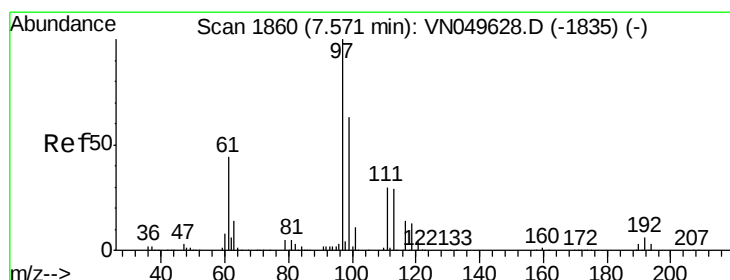
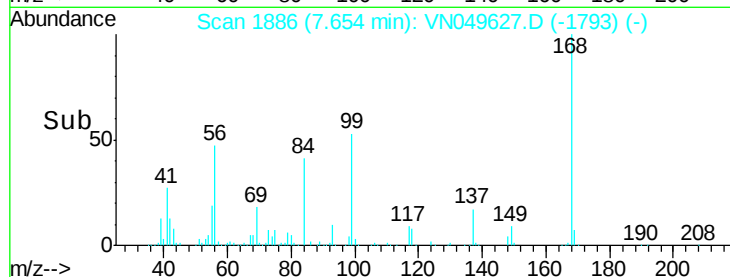
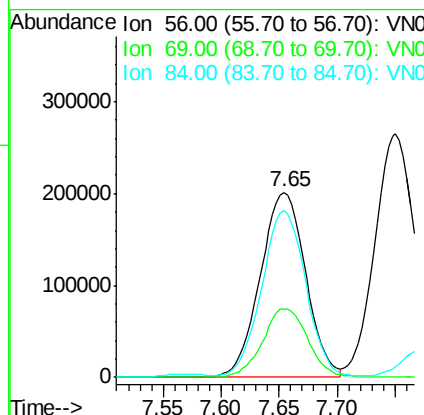
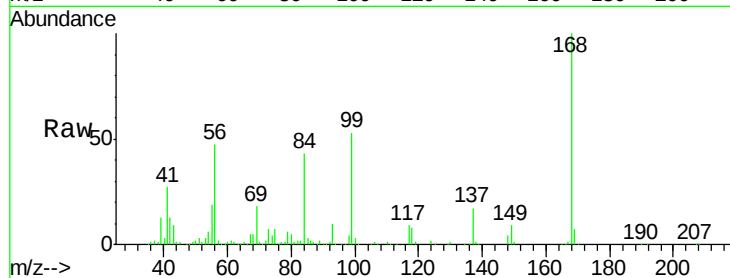
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	547554
Ion Ratio	Lower	Upper	
56	100		
69	36.9	26.6	40.0
84	88.5	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.05 ug/l

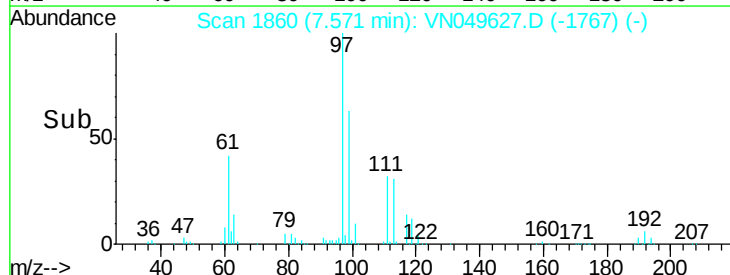
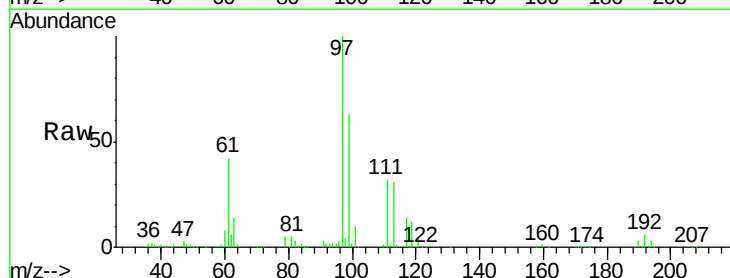
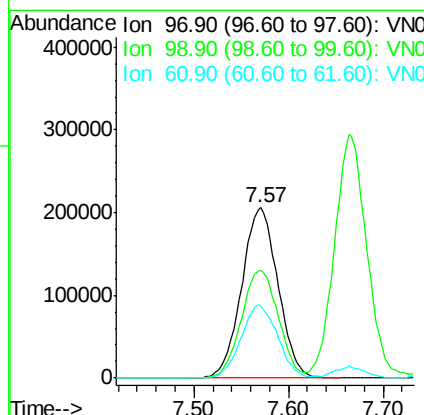
RT: 7.57 min Scan# 1860

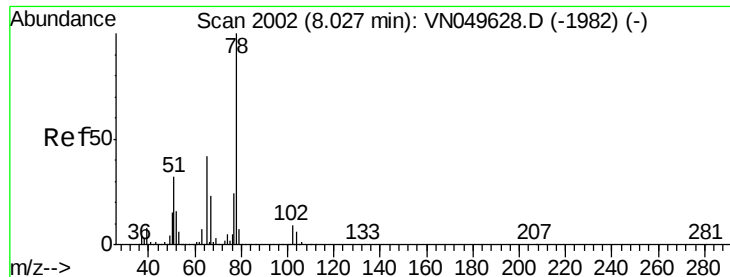
Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Tgt Ion:	97	Resp:	547585
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.0	76.4
61	43.4	35.5	53.3





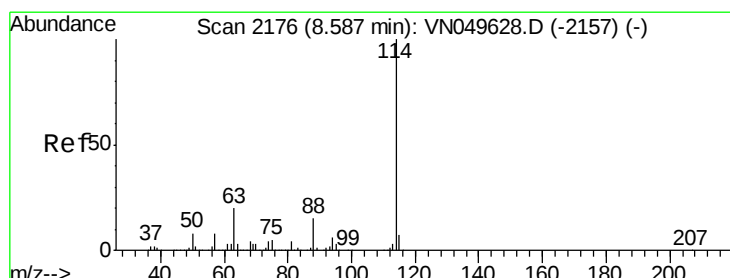
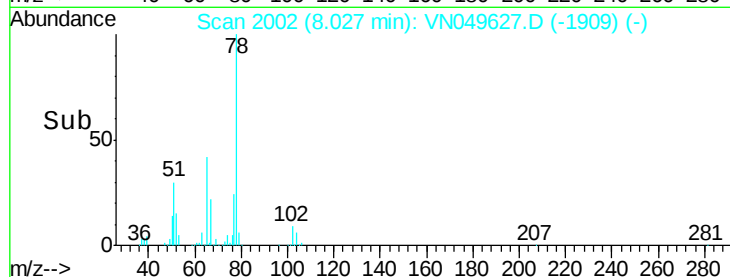
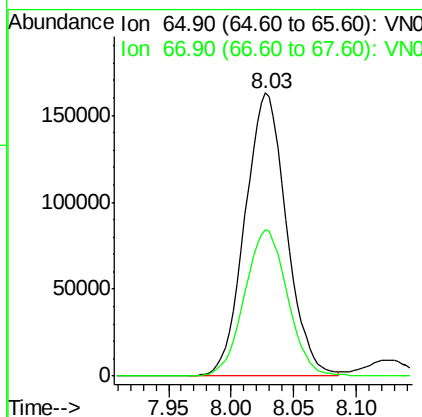
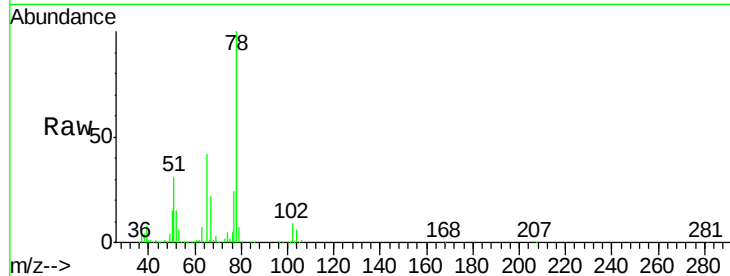
#33
 1,2-Dichloroethane-d4
 Concen: 20.66 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.5	0.0	107.2	

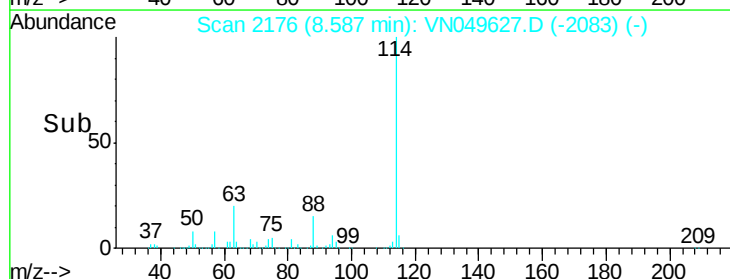
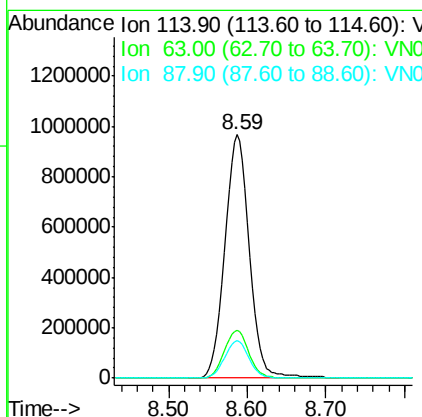
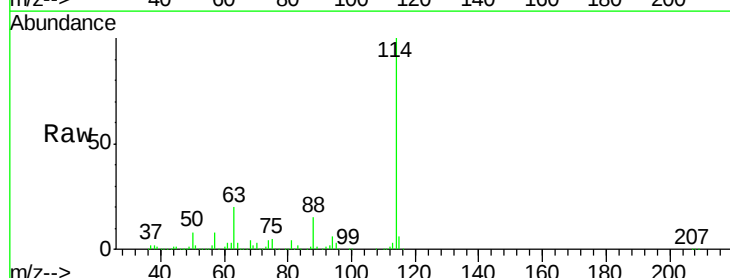
Manual Integrations
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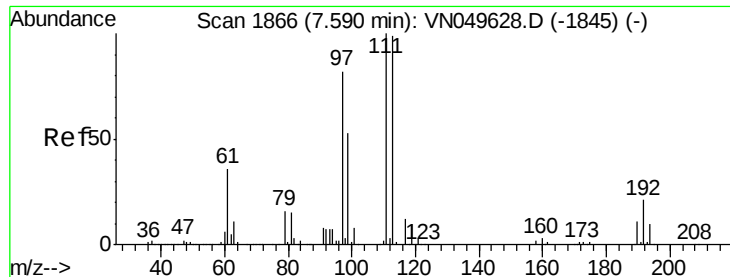
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	39.8	
88	15.4	0.0	30.6	





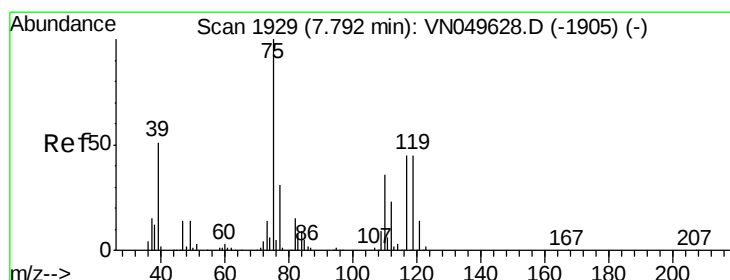
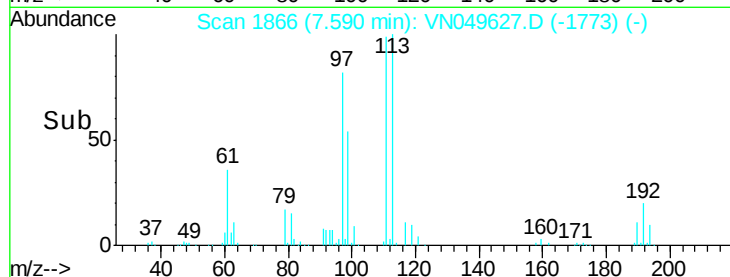
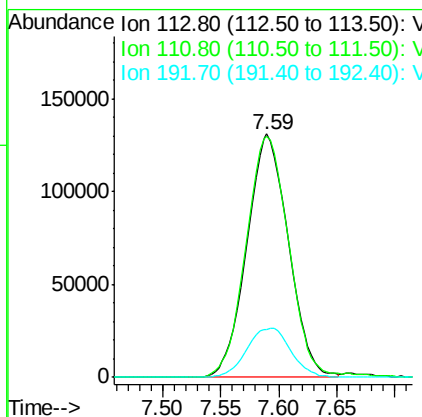
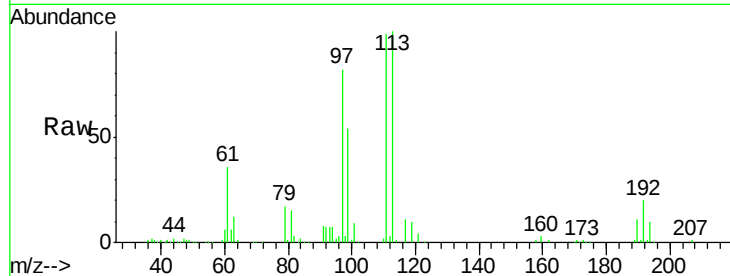
#35
Dibromofluoromethane
Concen: 21.12 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	326827		
111	102.5	81.8	122.8	
192	21.4	17.8	26.6	

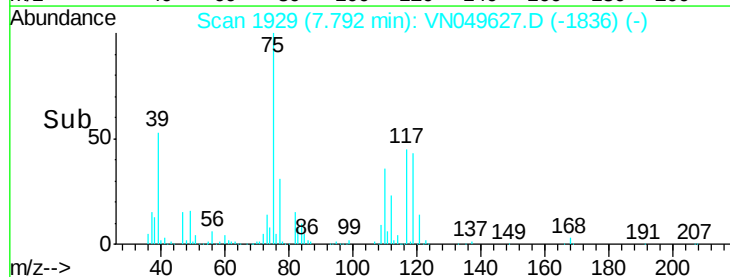
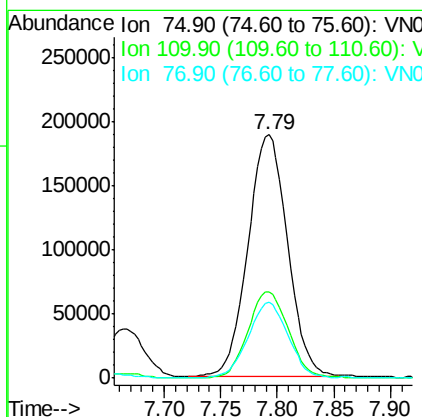
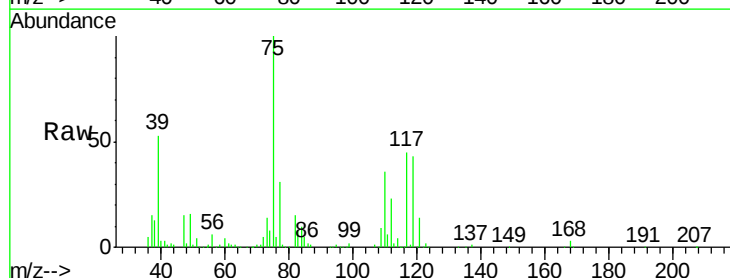
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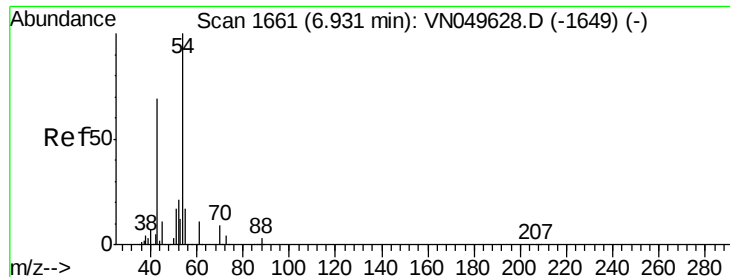
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#36
1,1-Dichloropropene
Concen: 19.72 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	459126		
110	36.8	18.1	54.4	
77	31.5	24.9	37.3	





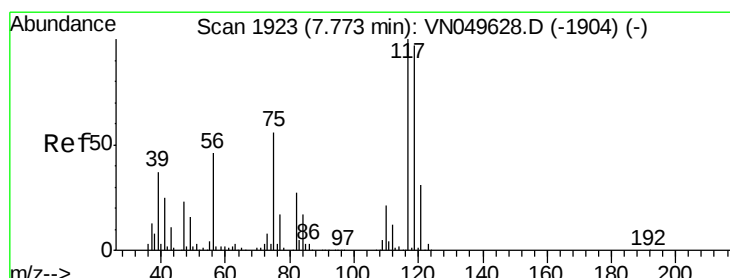
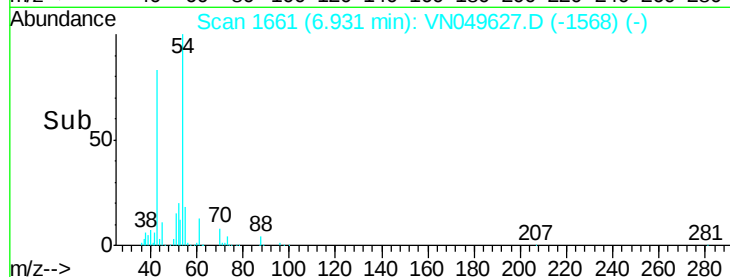
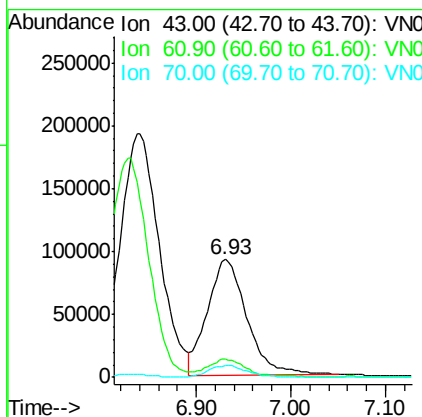
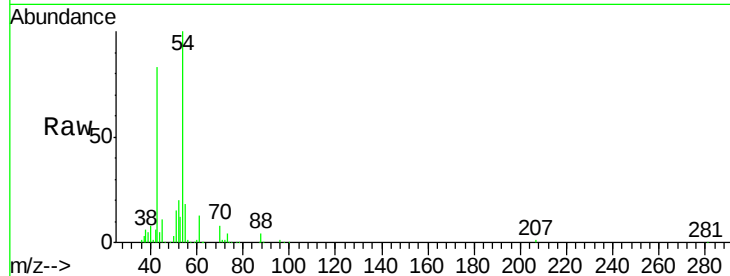
#37
Ethyl Acetate
Concen: 19.88 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.7	17.5
70	9.5	8.4	12.6

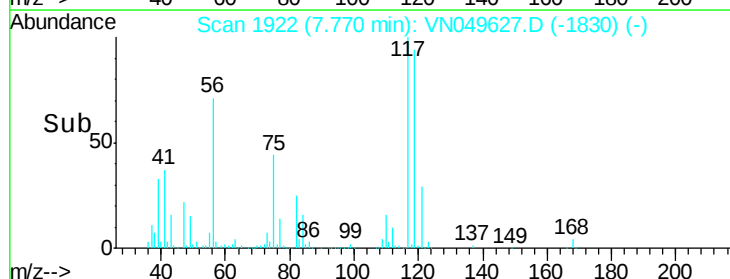
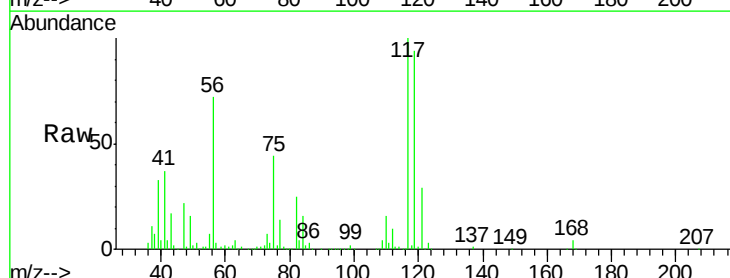
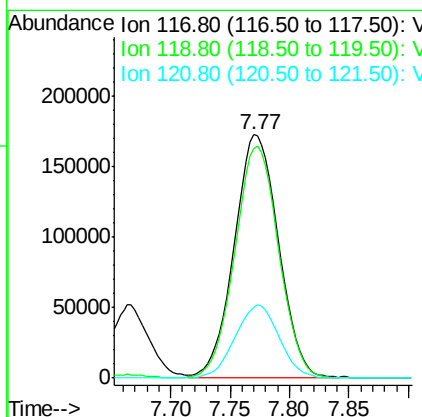
Manual Integrations
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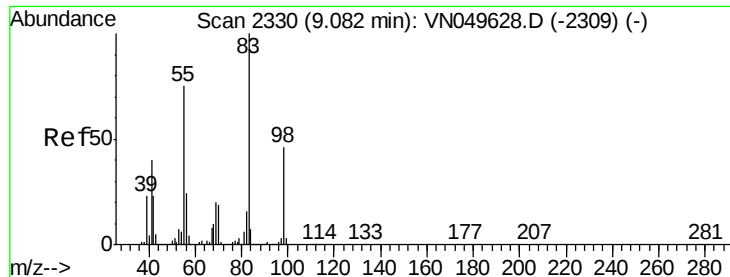
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#38
Carbon Tetrachloride
Concen: 19.54 ug/l
RT: 7.77 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.2	115.8
121	29.2	25.0	37.6





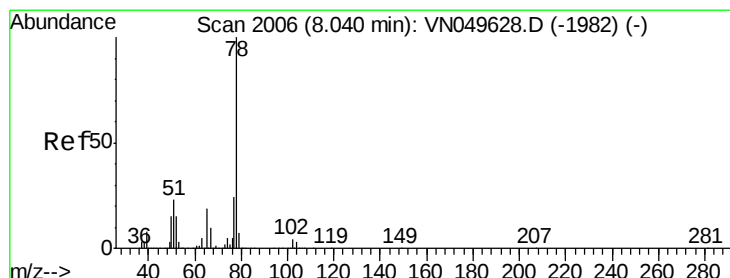
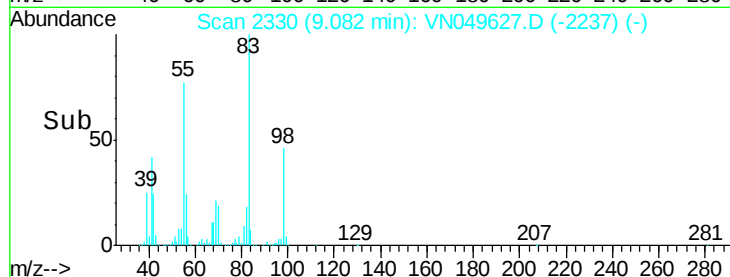
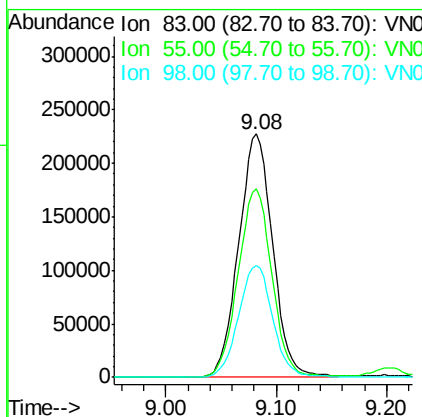
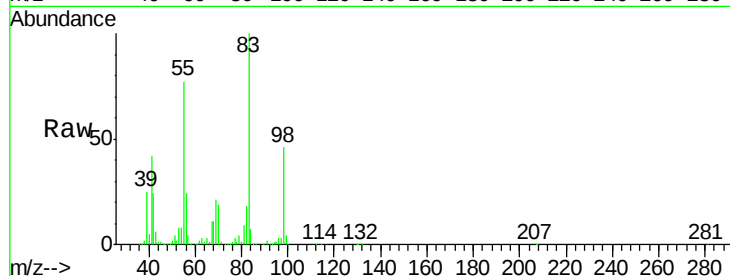
#39
Methvlcvclohexane
Concen: 19.05 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	59.7	89.5
98	46.0	36.5	54.7

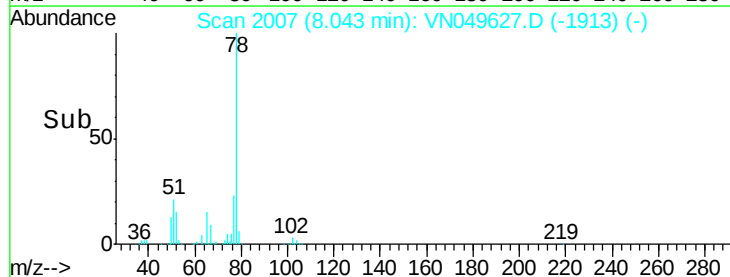
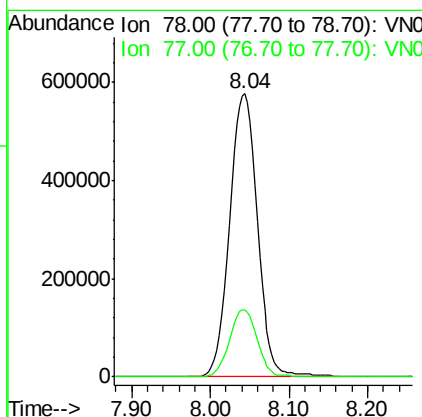
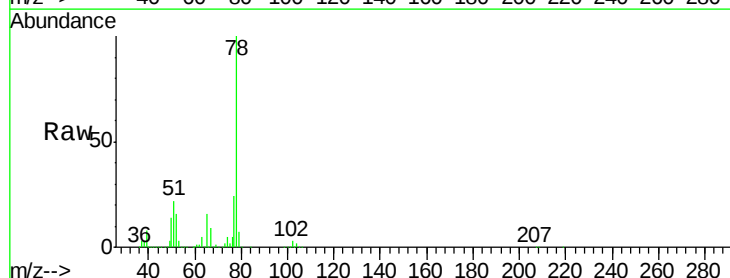
Manual Integrations
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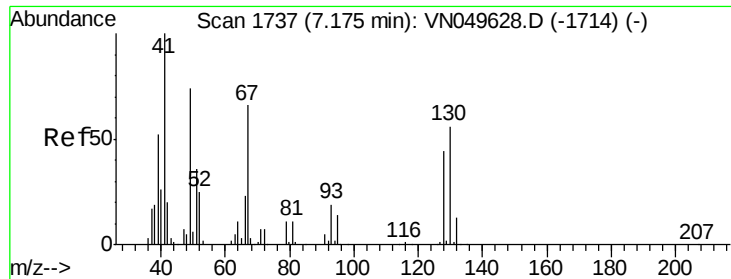
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#40
Benzene
Concen: 19.94 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





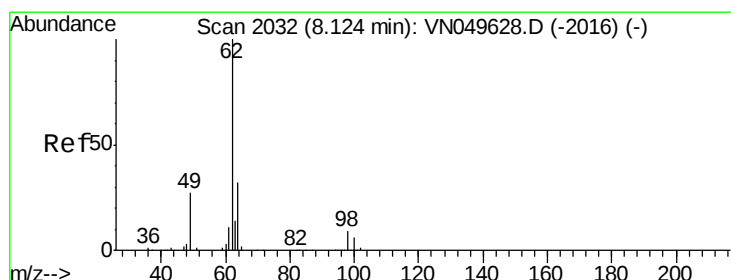
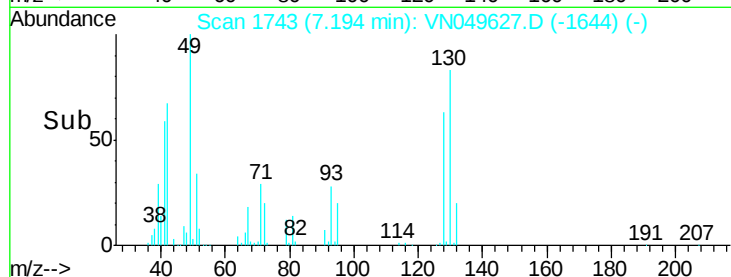
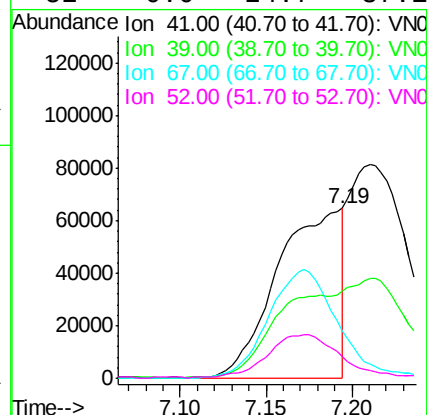
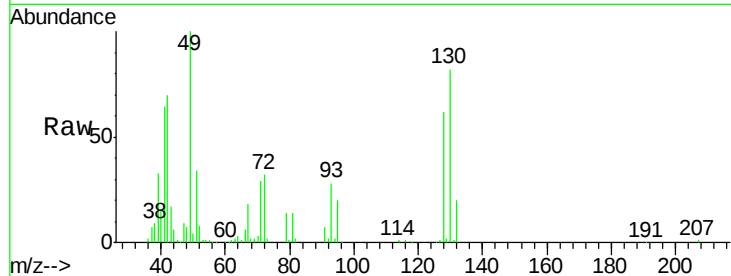
#41
Methacrylonitrile
Concen: 23.36 ug/l m
RT: 7.19 min Scan# 1743
Delta R.T. 0.02 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	110.2	45.4	68.2#
67	0.0	65.4	98.0#
52	0.0	24.7	37.1#

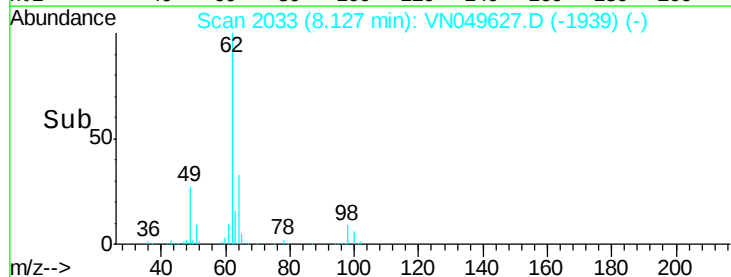
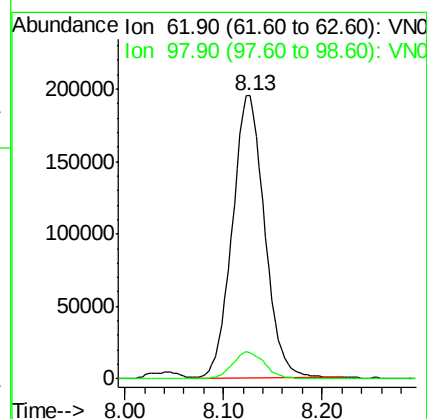
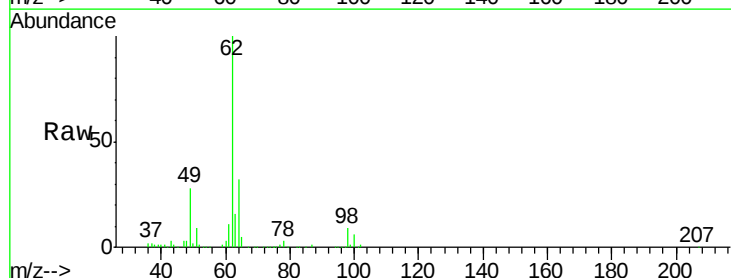
Manual Integrations
APPROVED

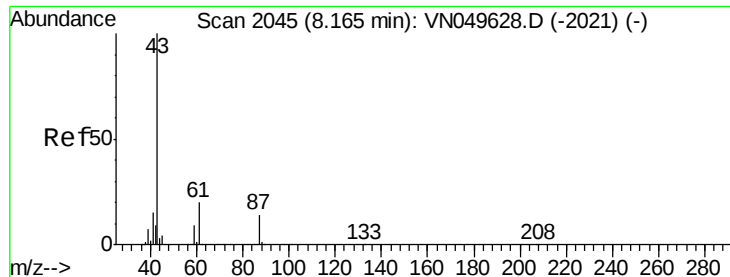
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#42
1,2-Dichloroethane
Concen: 19.67 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0





#43

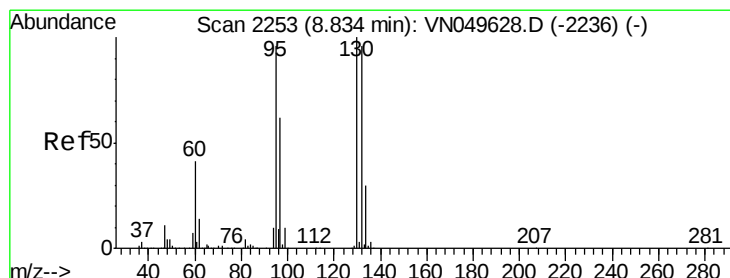
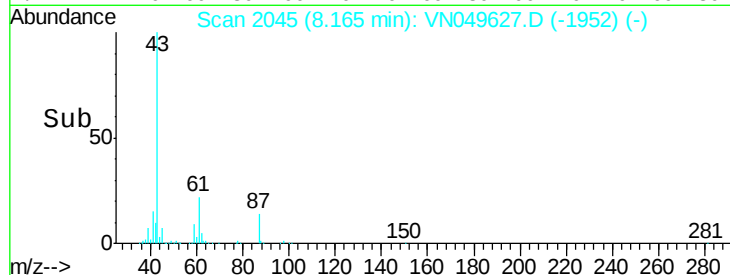
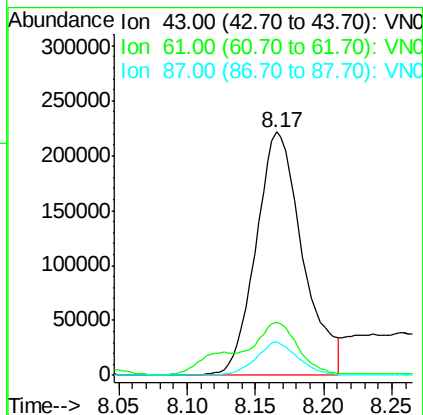
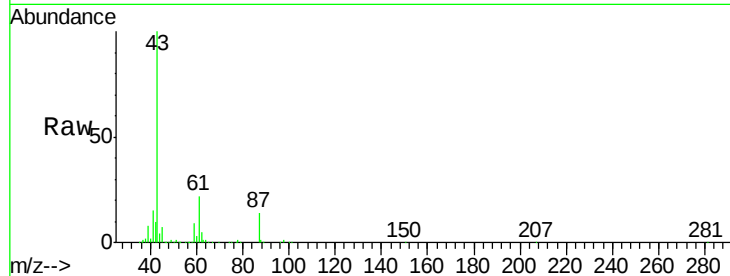
Isopropyl Acetate
 Concen: 16.32 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.9	22.3
87	12.4	10.0	15.0

Manual Integrations
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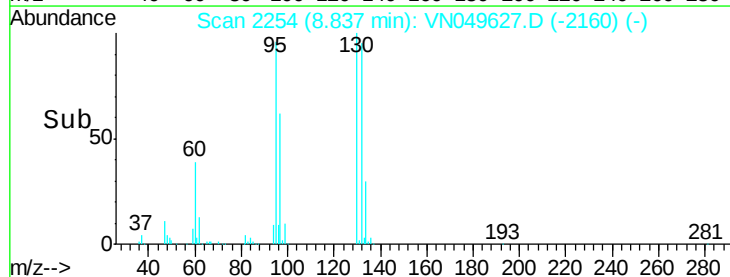
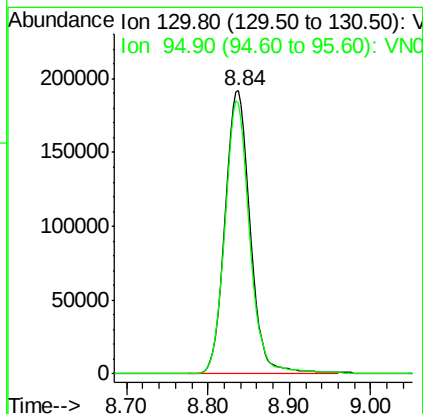
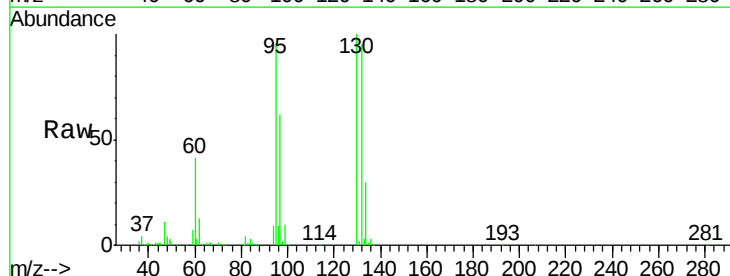
apatel
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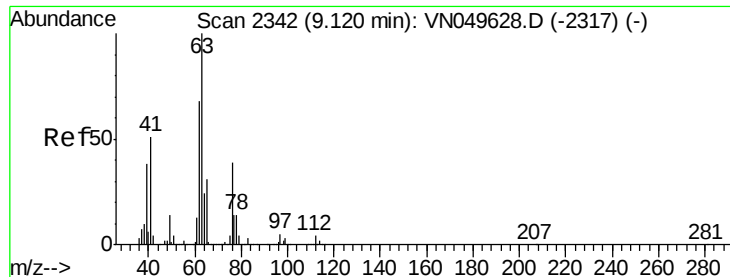


#44

Trichloroethene
 Concen: 19.58 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	192.8





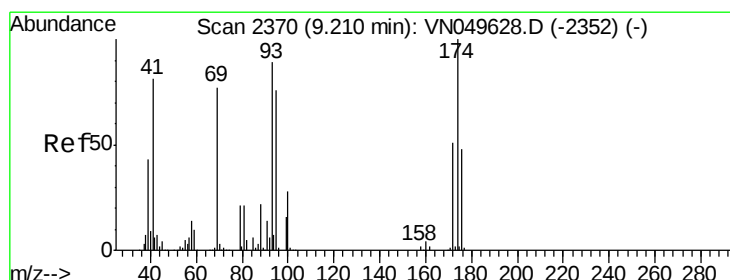
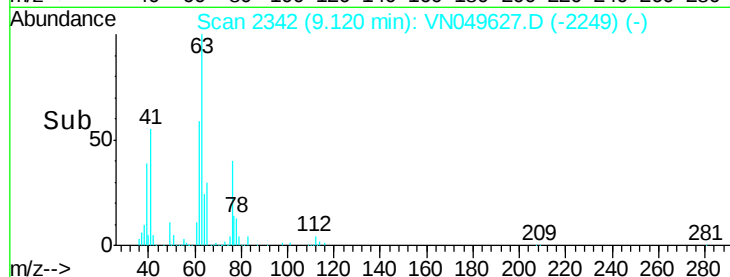
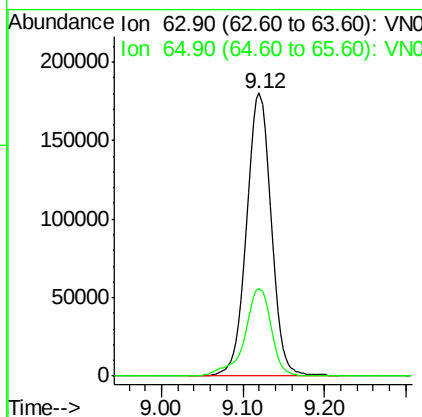
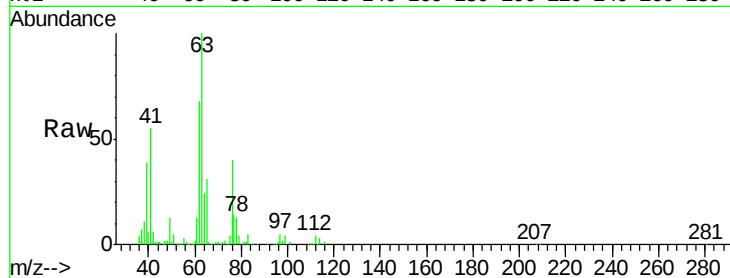
#45
 1,2-Dichloropropane
 Concen: 20.37 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 374281
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.7 37.1

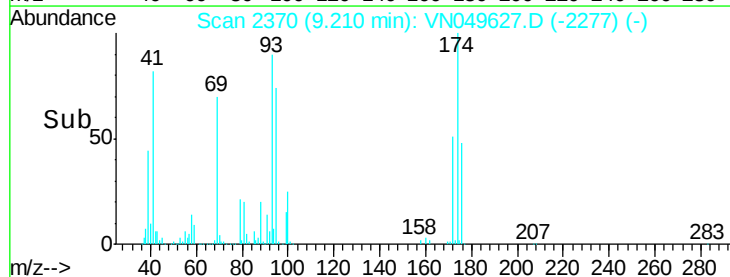
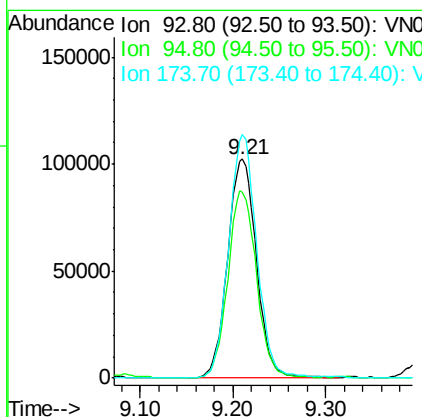
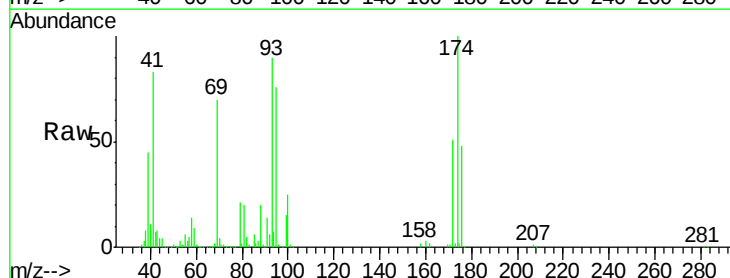
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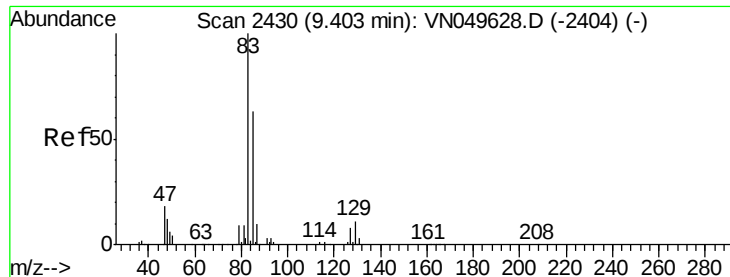
apatel
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#46
 Dibromomethane
 Concen: 19.85 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Tgt Ion: 93 Resp: 220595
 Ion Ratio Lower Upper
 93 100
 95 85.0 67.9 101.9
 174 109.0 89.4 134.0





#47

Bromodichloromethane

Concen: 19.95 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

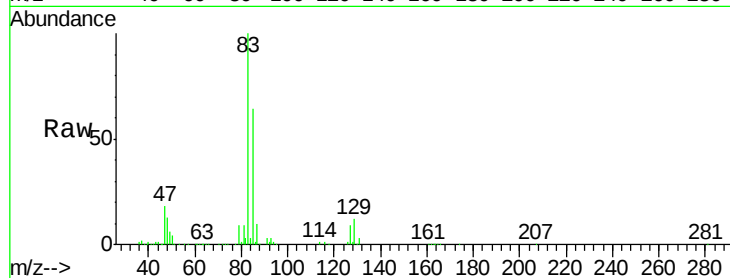
ClientSampleId :

VSTDIC020

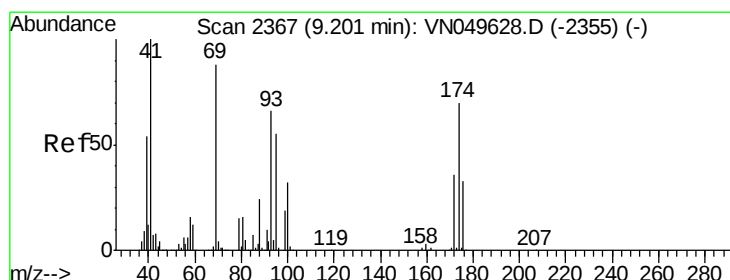
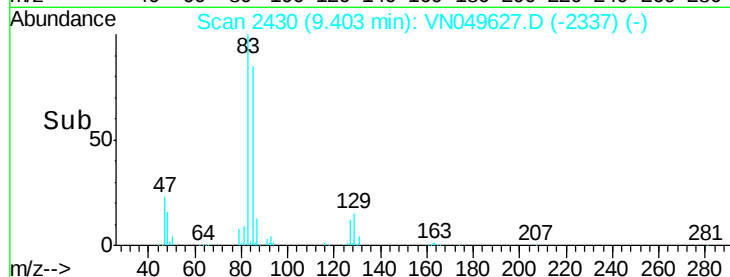
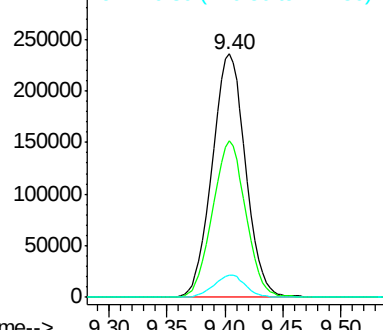
Tot Ion:	83	Resp:	472061
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.5	75.7
127	9.1	6.8	10.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN049627.D (-2337) (-)



#48

Methyl methacrylate

Concen: 19.43 ug/l

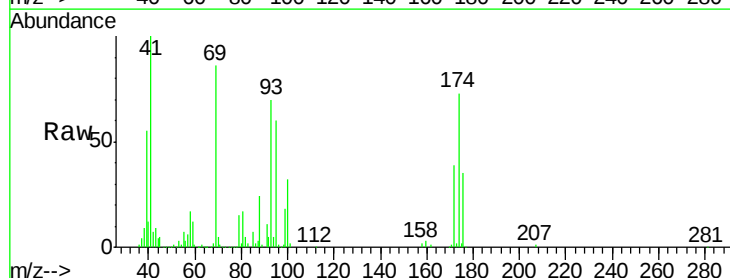
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

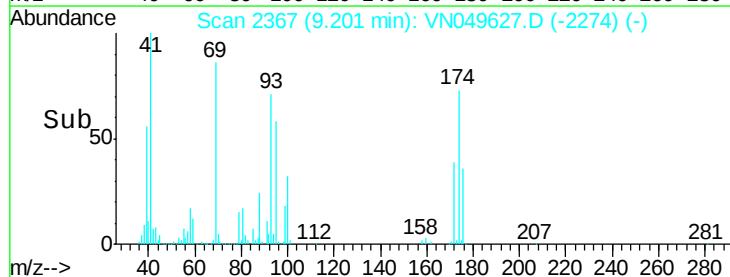
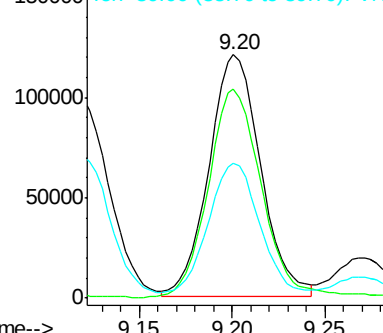
Lab File: VN049627.D

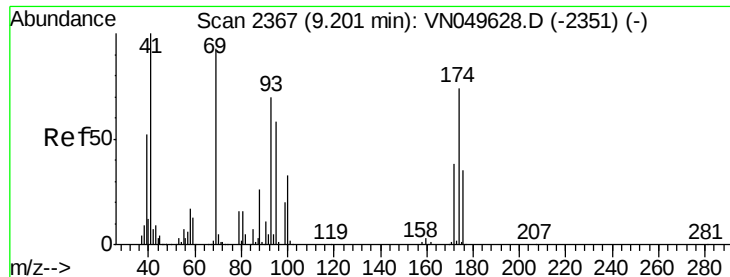
Acq: 29 Jun 2018 11:45

Tgt Ion:	41	Resp:	234517
Ion	Ratio	Lower	Upper
41	100		
69	88.9	71.5	107.3
39	56.2	44.7	67.1



Abundance Ion 41.00 (40.70 to 41.70): VN049627.D (-2274) (-)





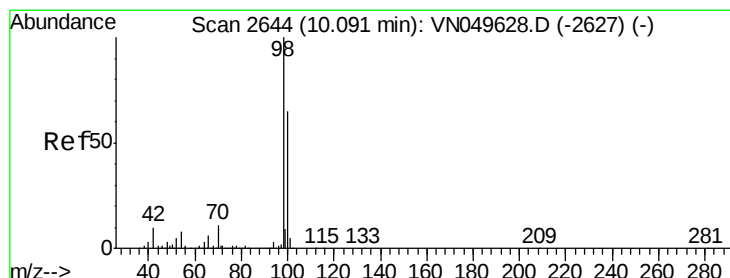
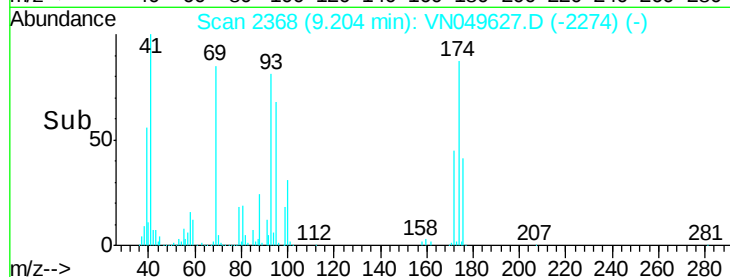
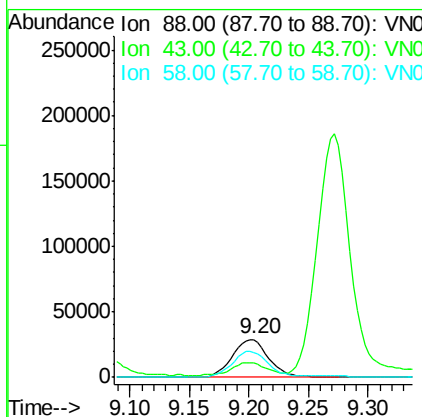
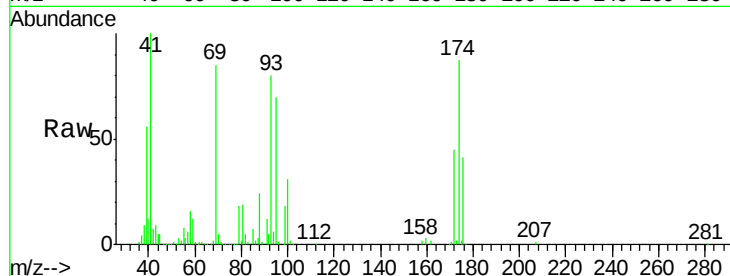
#49
1,4-Dioxane
Concen: 379.27 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	25.1	37.7
58	69.7	52.5	78.7

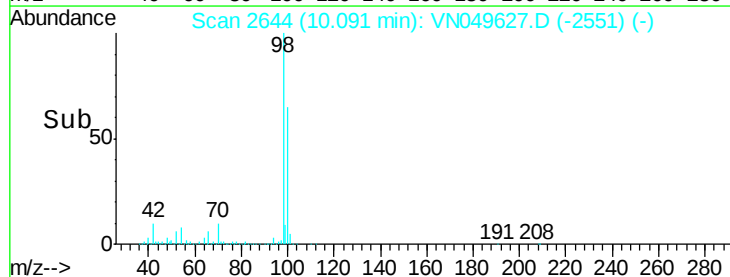
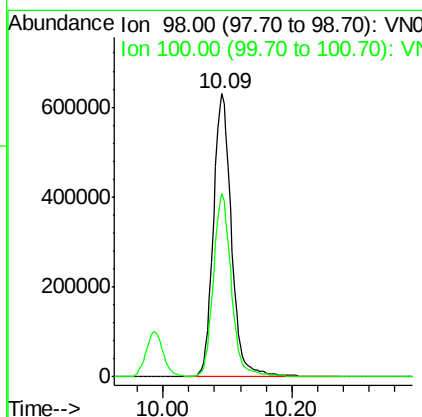
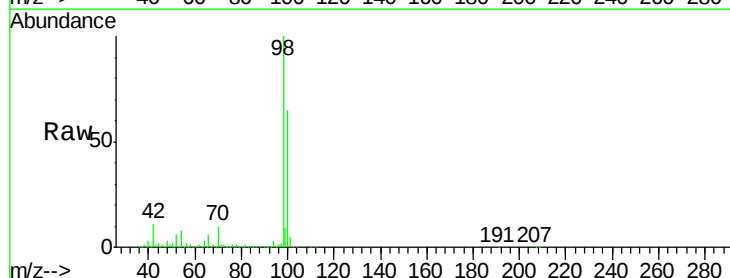
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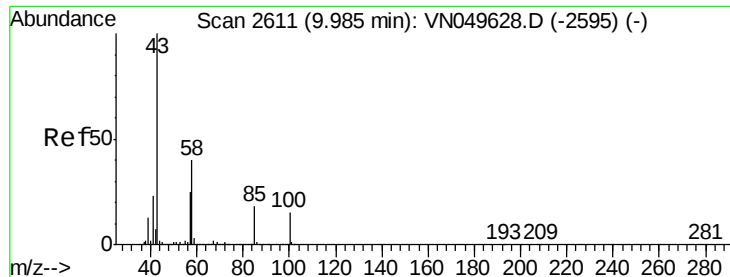
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#50
Toluene-d8
Concen: 20.32 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.7	77.5





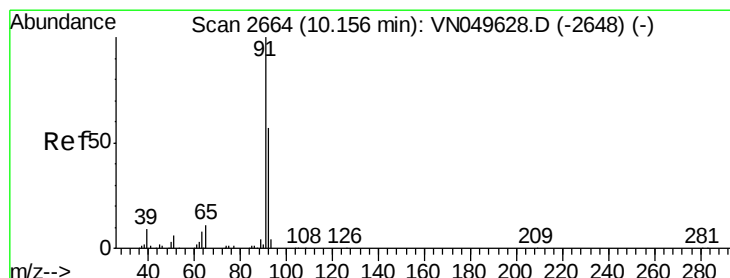
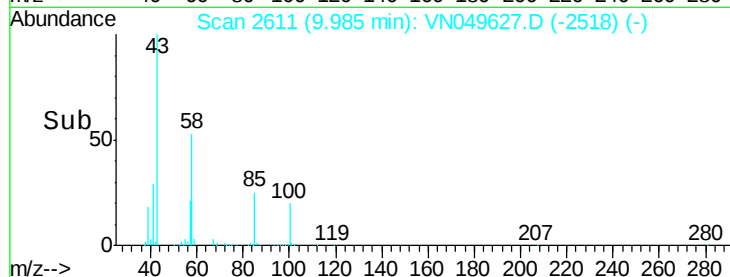
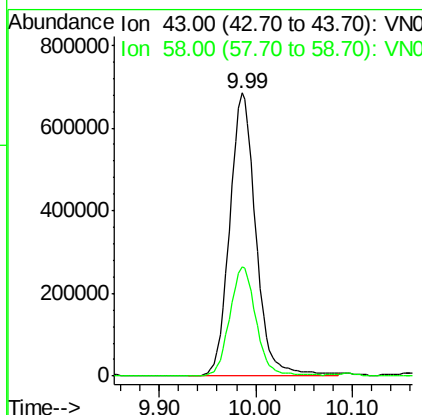
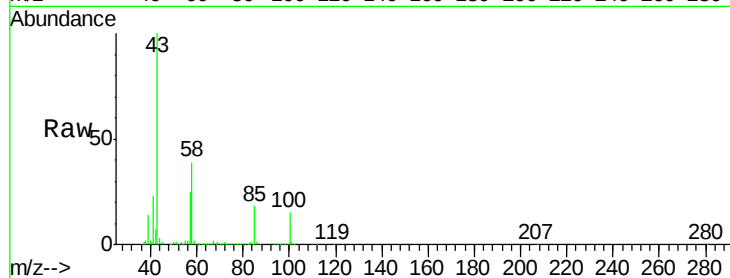
#51
4-Methyl-2-Pentanone
Concen: 96.14 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 1280299
Ion Ratio Lower Upper
43 100
58 39.2 31.8 47.8

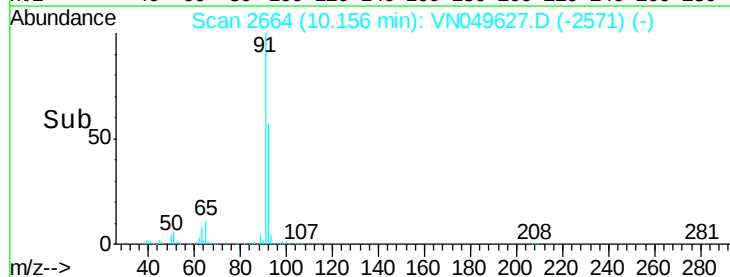
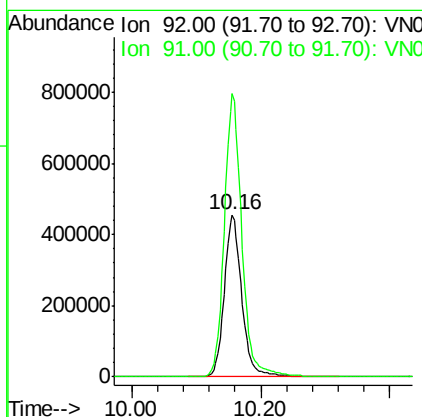
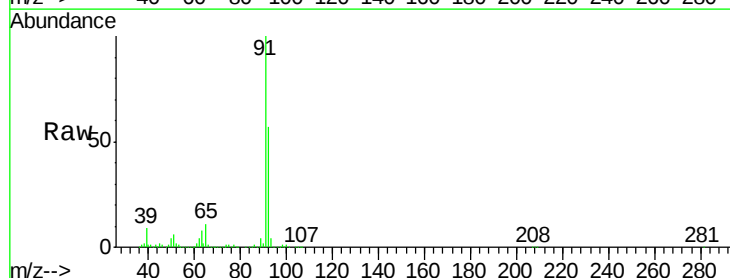
Manual Integrations
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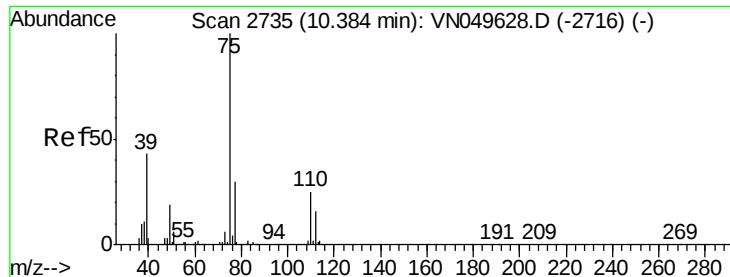
apatel
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#52
Toluene
Concen: 20.05 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion: 92 Resp: 861428
Ion Ratio Lower Upper
92 100
91 175.0 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 18.74 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 424575

Ion Ratio Lower Upper

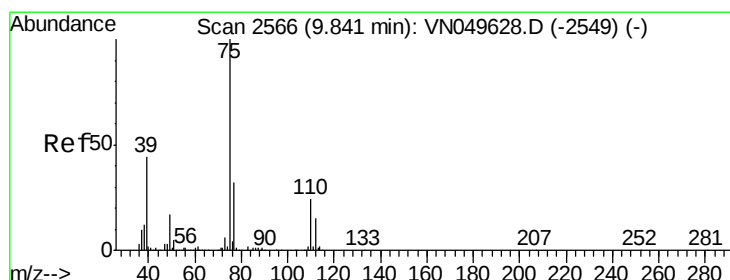
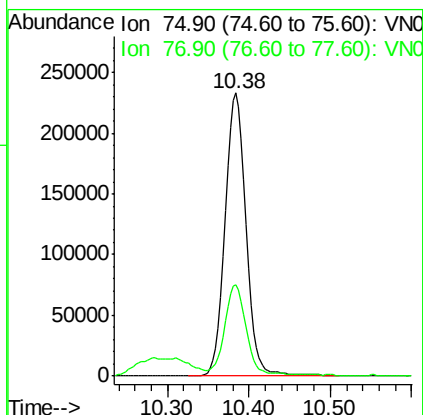
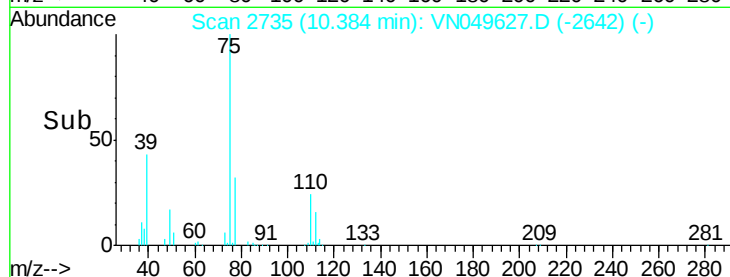
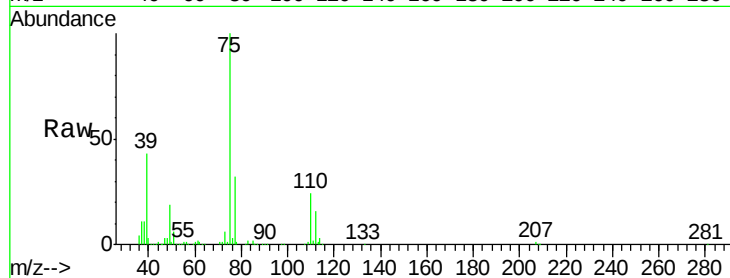
75 100

77 32.0 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 19.53 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

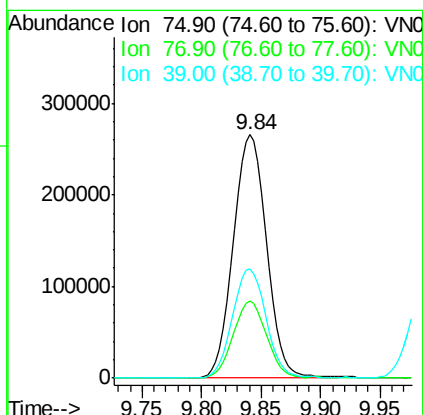
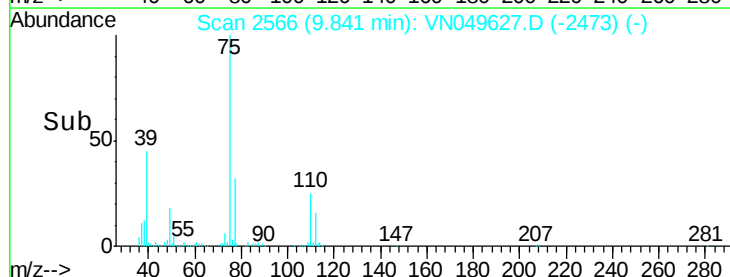
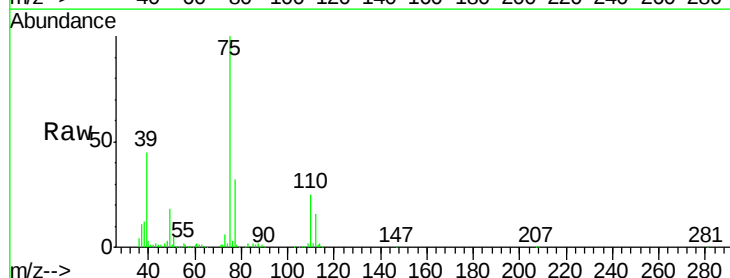
Tgt Ion: 75 Resp: 517043

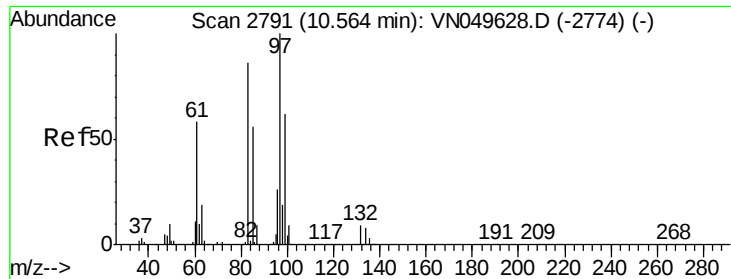
Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9

39 44.7 35.5 53.3





#55

1,1,2-Trichloroethane

Concen: 19.48 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

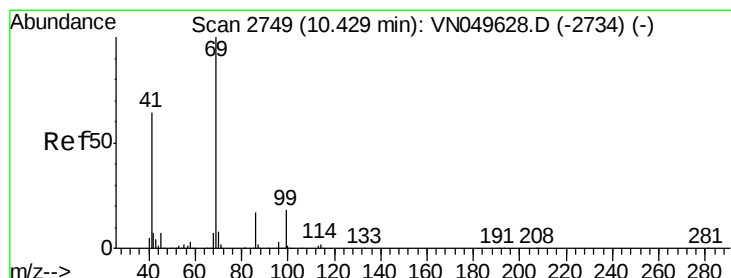
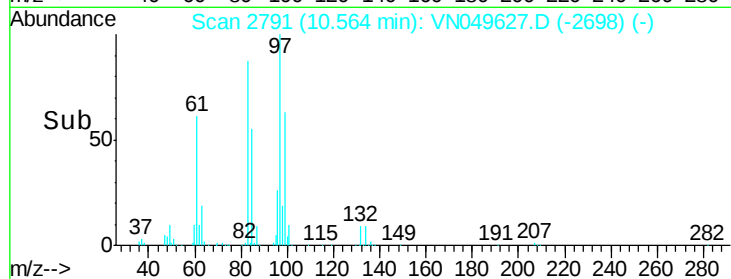
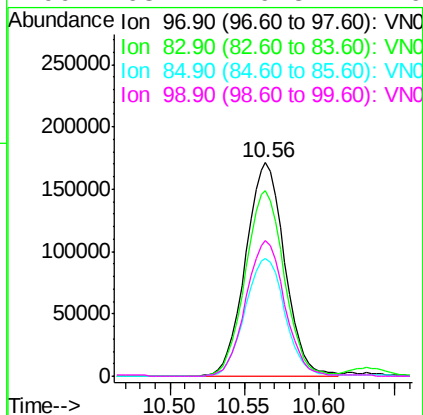
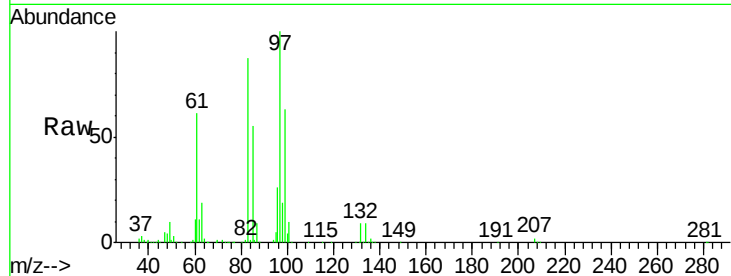
ClientSampled :

VSTDIC020

Tot Ion:	97	Resp:	311620
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.0	103.6
85	55.3	44.9	67.3
99	63.2	49.8	74.6

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#56

Ethyl methacrylate

Concen: 18.96 ug/l

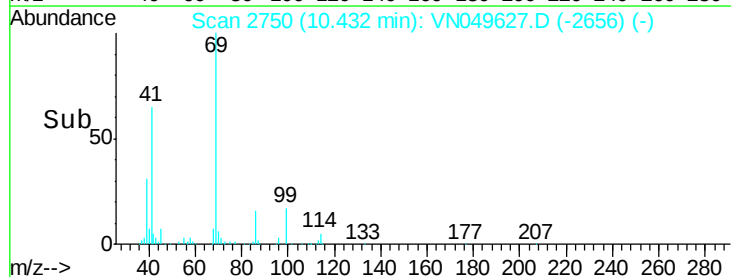
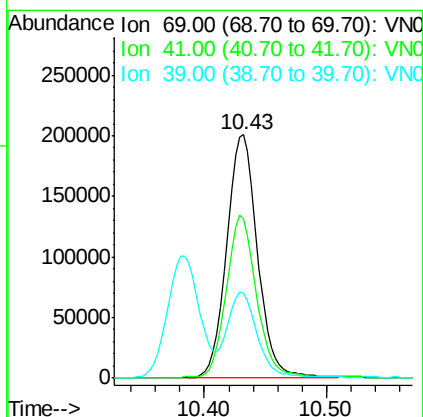
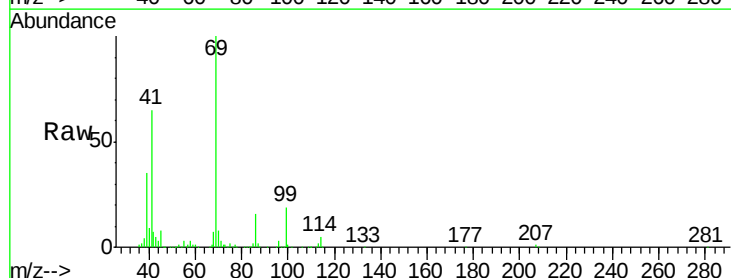
RT: 10.43 min Scan# 2750

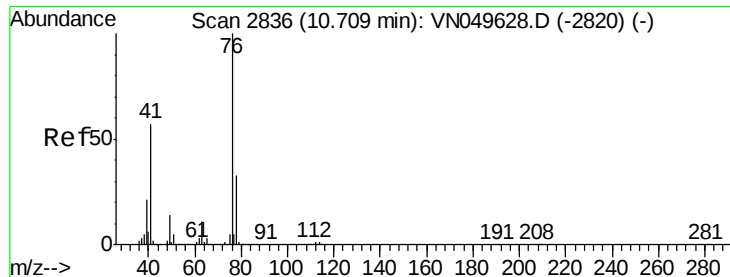
Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Tgt Ion:	69	Resp:	355437
Ion	Ratio	Lower	Upper
69	100		
41	64.6	51.6	77.4
39	34.1	25.8	38.8





#57

1,3-Dichloropropane

Concen: 20.00 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 518702

Ion Ratio Lower Upper

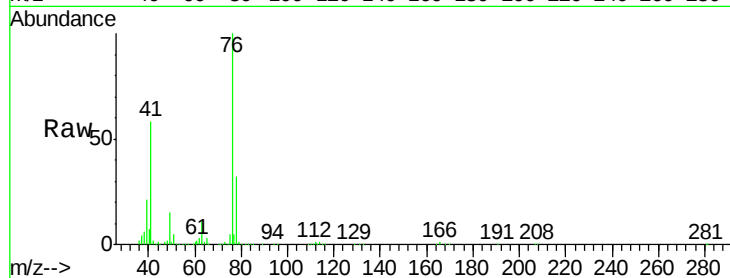
76 100

78 31.7 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

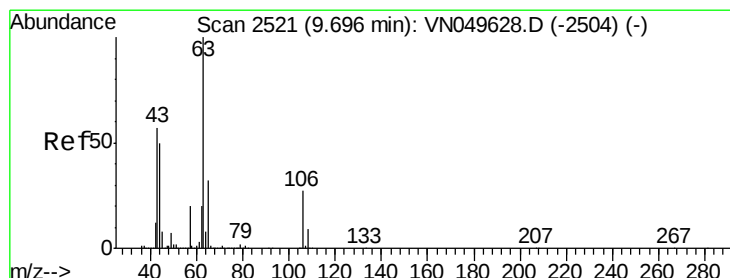
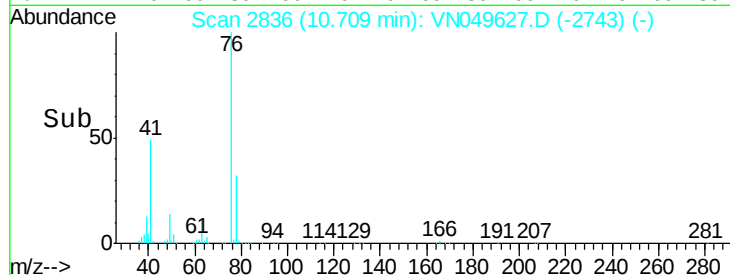
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 91.03 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049627.D

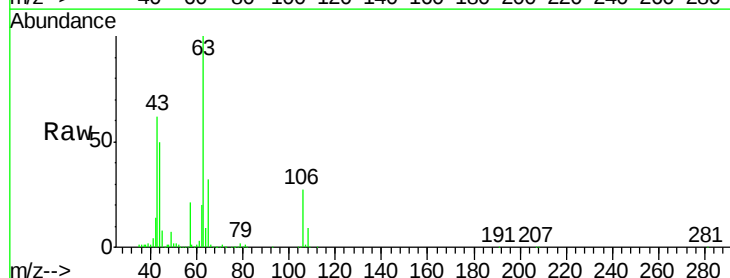
Acq: 29 Jun 2018 11:45

Tgt Ion: 63 Resp: 794479

Ion Ratio Lower Upper

63 100

106 27.1 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

500000

400000

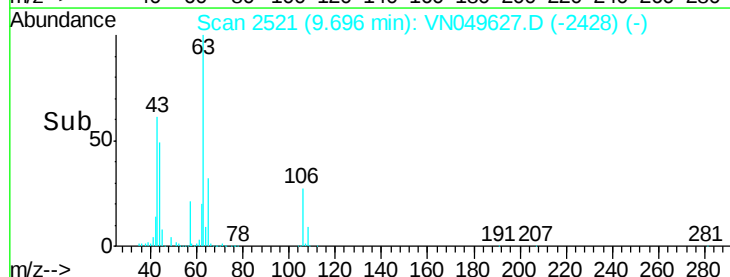
300000

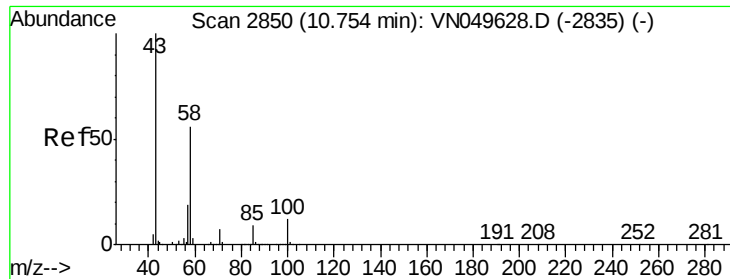
200000

100000

0

Time-->





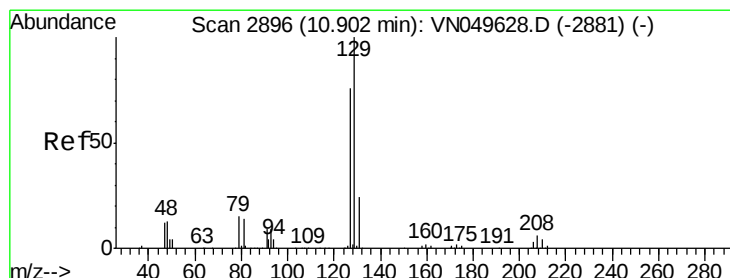
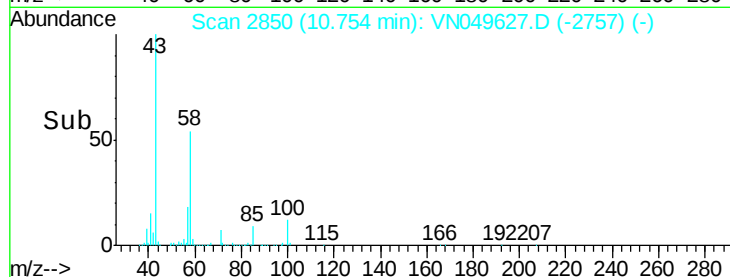
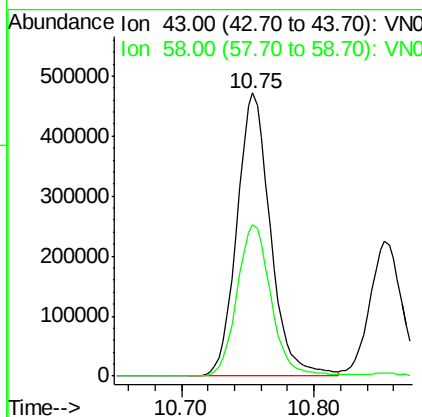
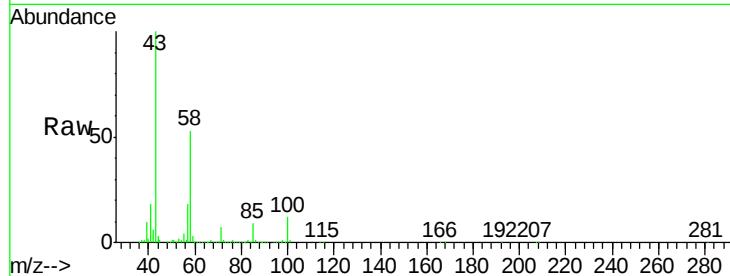
#59
2-Hexanone
Concen: 93.44 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 822794
Ion Ratio Lower Upper
43 100
58 54.8 27.8 83.4

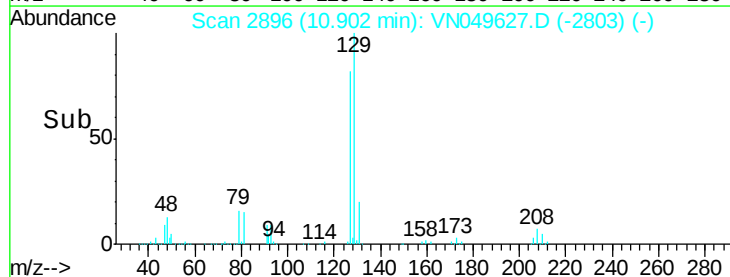
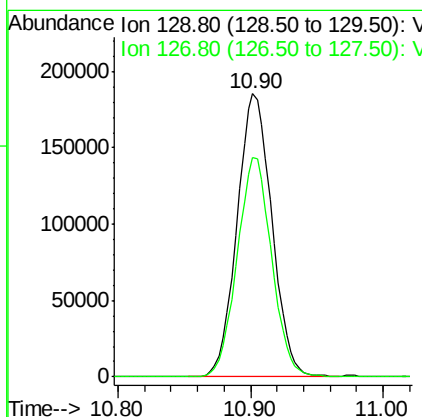
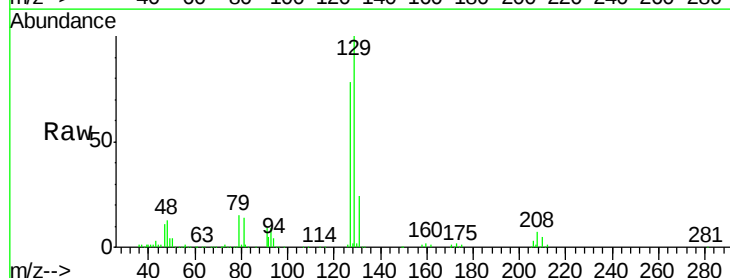
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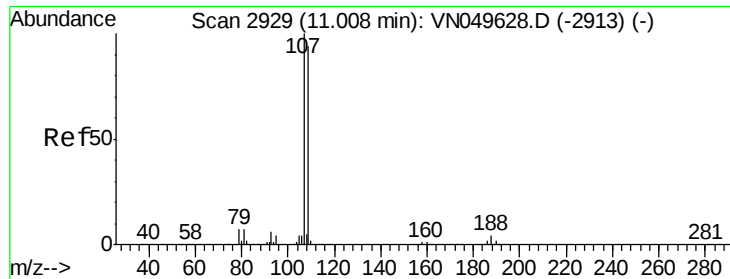
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#60
Dibromochloromethane
Concen: 19.59 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion: 129 Resp: 338653
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.9





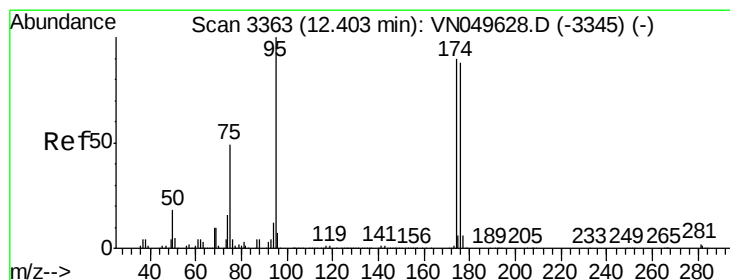
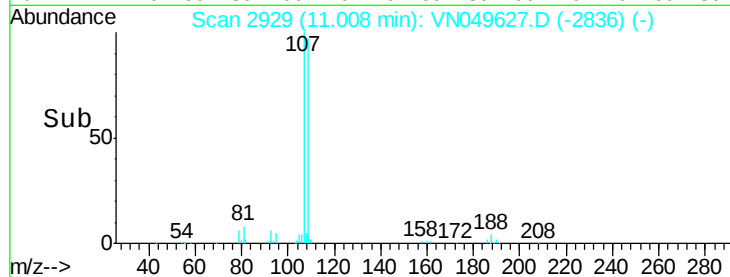
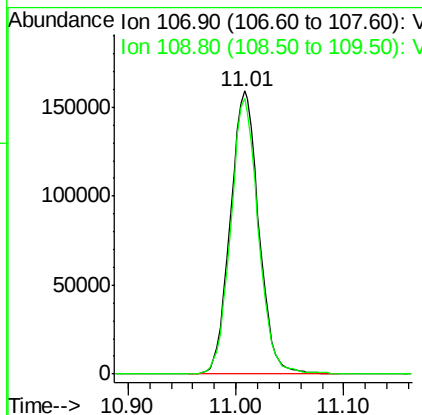
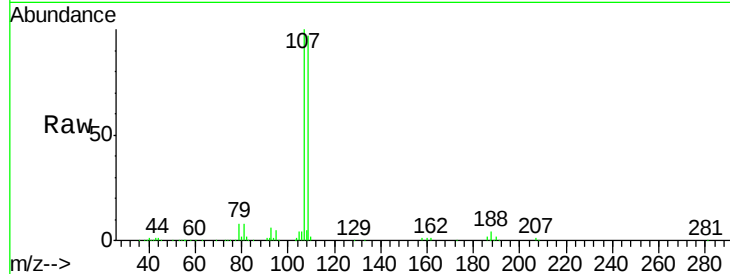
#61
1,2-Dibromoethane
Concen: 19.13 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.0	112.6

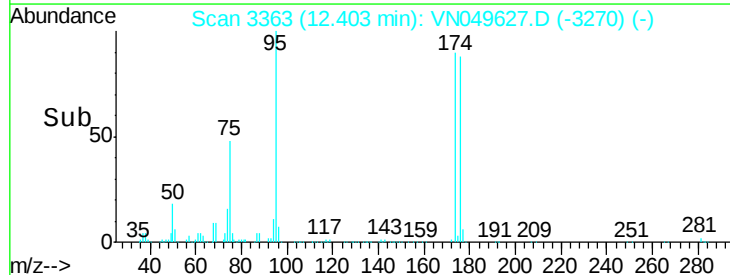
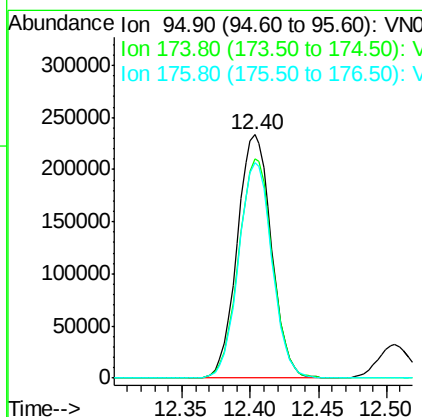
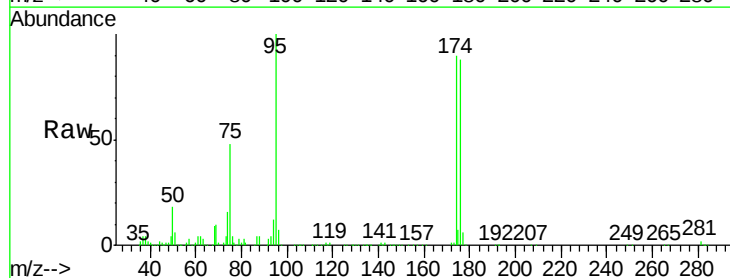
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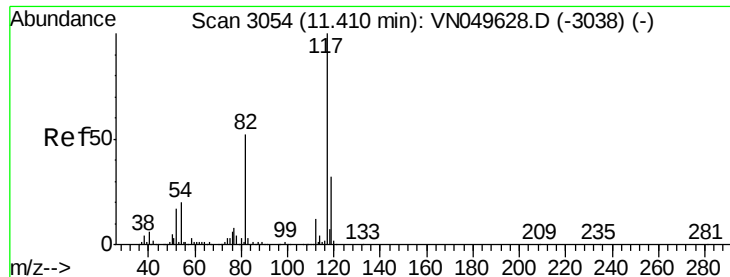
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#62
4-Bromofluorobenzene
Concen: 19.64 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	179.6
176	86.5	0.0	174.0





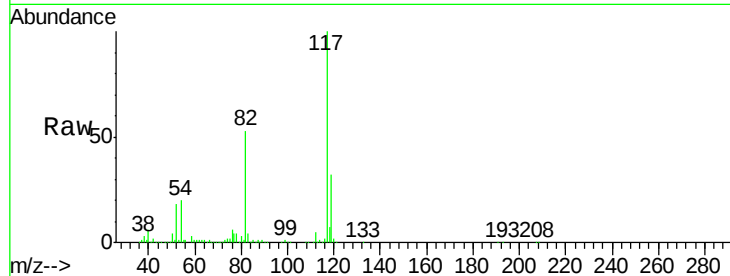
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

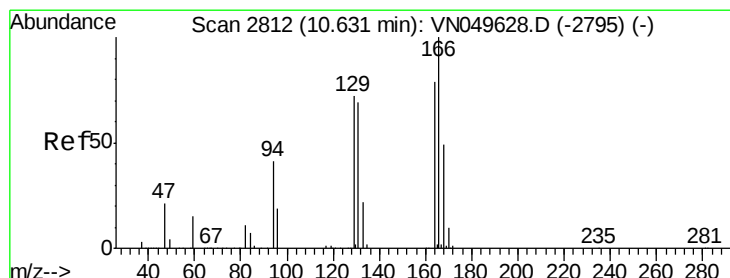
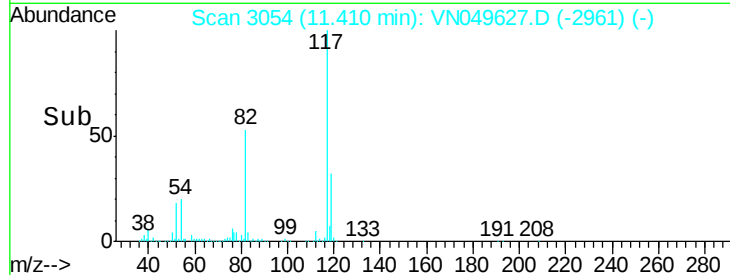
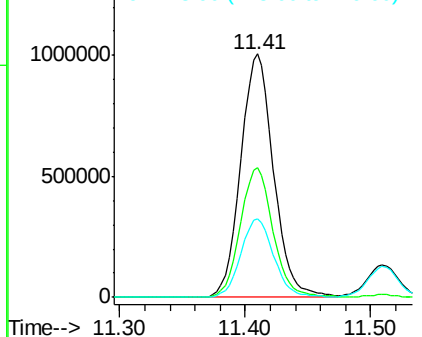
Tot Ion:117 Resp: 1834146
Ion Ratio Lower Upper
117 100
82 53.1 41.9 62.9
119 32.0 25.4 38.2

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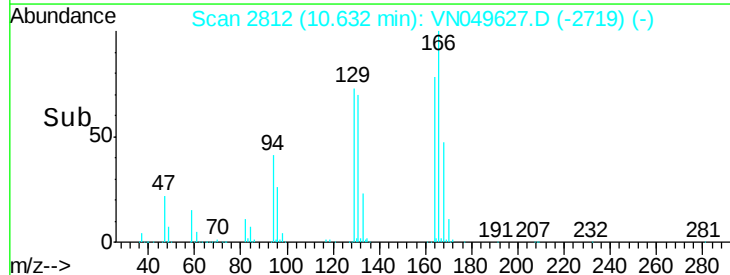
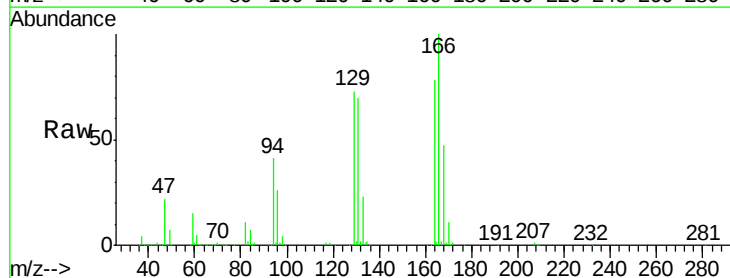
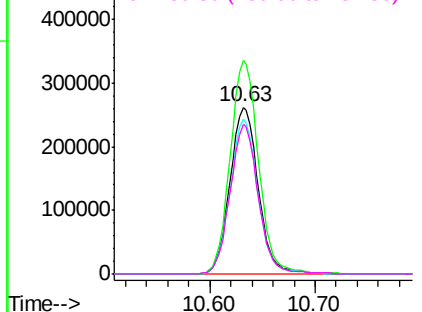
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

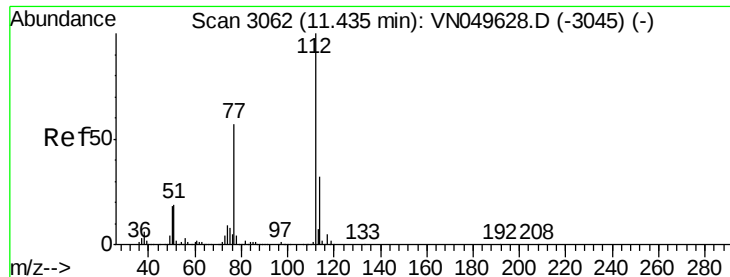


#64
Tetrachloroethene
Concen: 19.62 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion:164 Resp: 487375
Ion Ratio Lower Upper
164 100
166 128.0 101.8 152.6
129 93.2 72.8 109.2
131 89.4 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: 19.29 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 922871

Ion Ratio Lower Upper

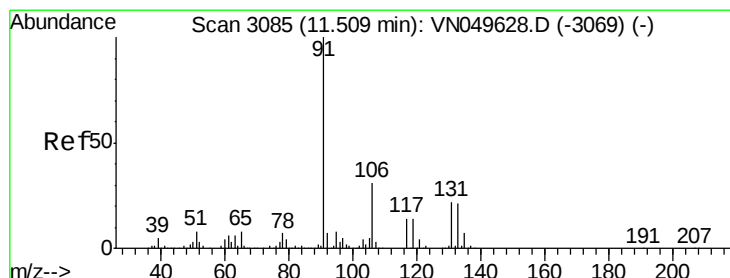
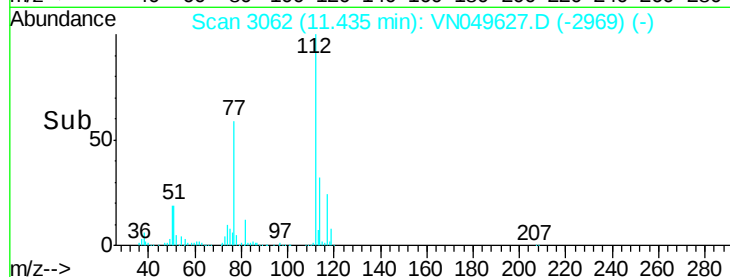
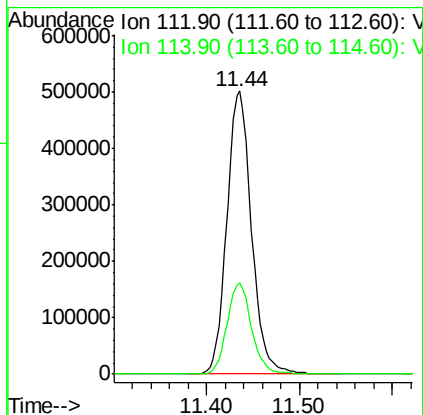
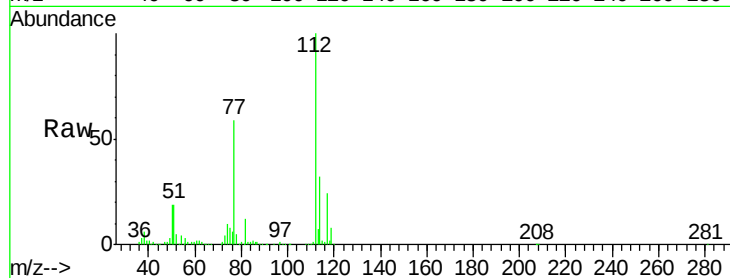
112 100

114 32.4 25.4 38.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.02 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

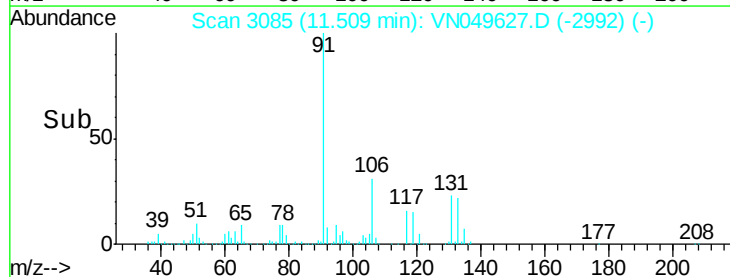
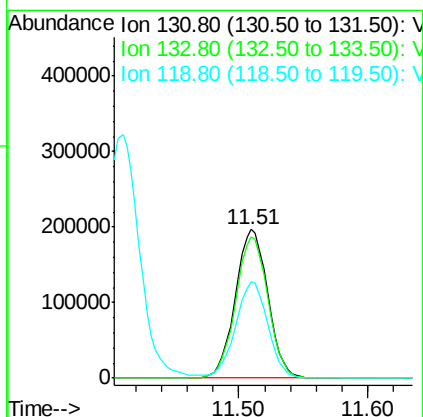
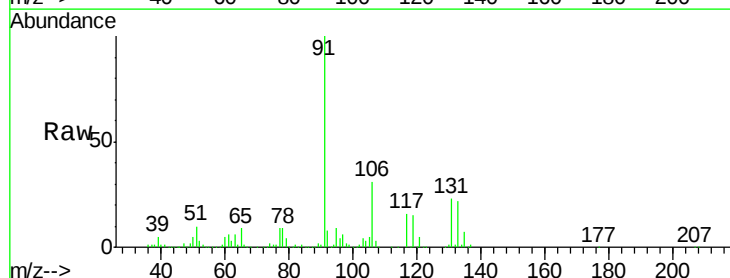
Tgt Ion:131 Resp: 344184

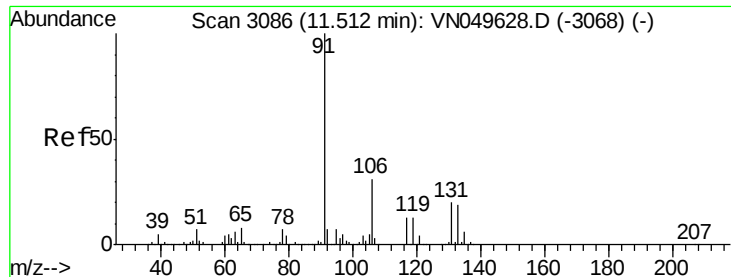
Ion Ratio Lower Upper

131 100

133 94.8 47.5 142.6

119 64.7 33.1 99.3





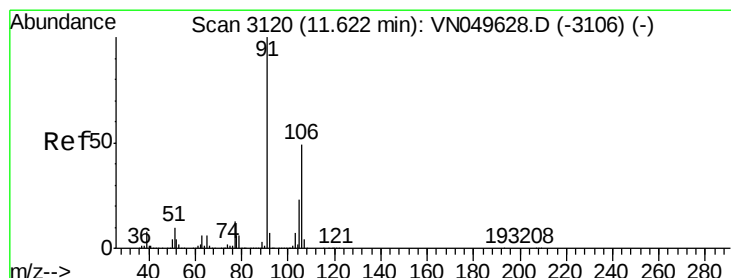
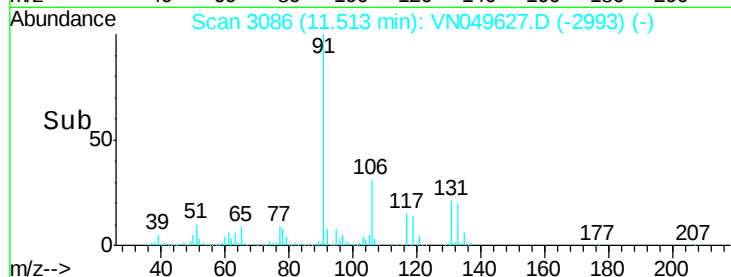
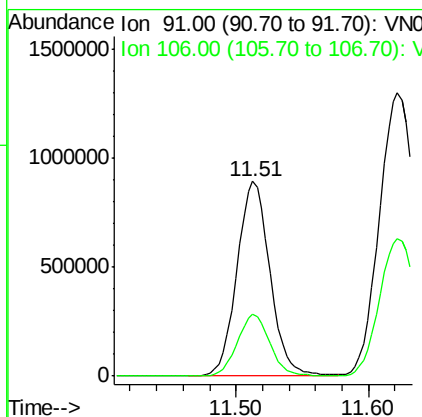
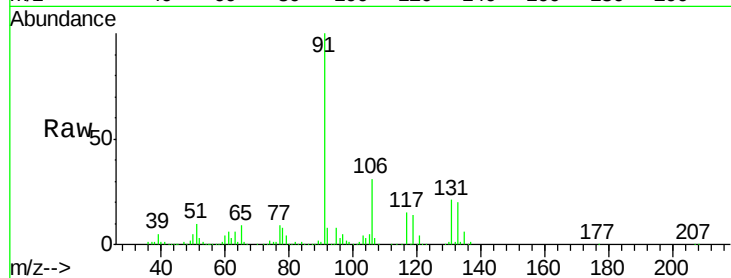
#67
Ethyl Benzene
Concen: 19.56 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 1546680
Ion Ratio Lower Upper
91 100
106 31.5 24.8 37.2

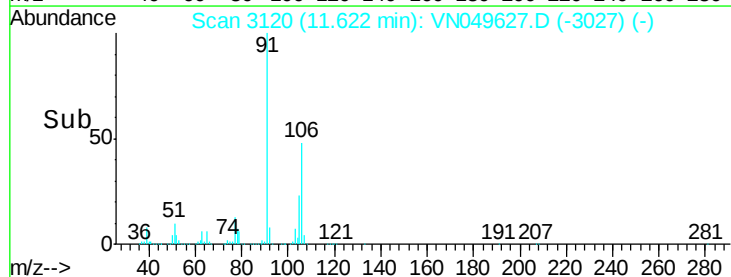
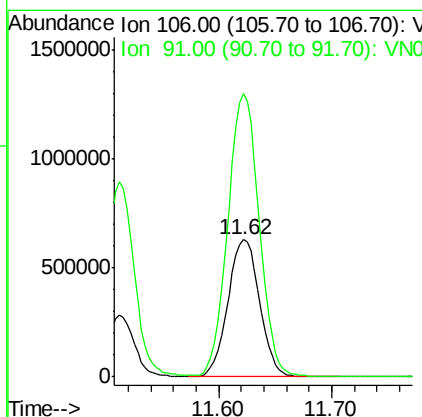
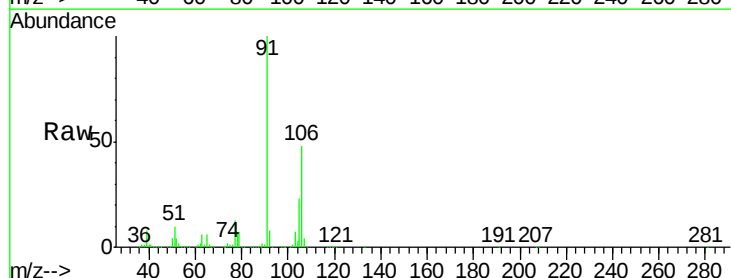
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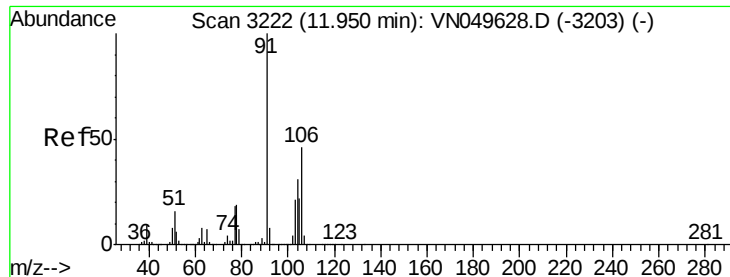
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#68
m/p-Xylenes
Concen: 40.42 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion: 106 Resp: 1225301
Ion Ratio Lower Upper
106 100
91 204.7 163.4 245.2





#69

o-Xylene

Concen: 20.30 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:106 Resp: 589009

Ion Ratio Lower Upper

106 100

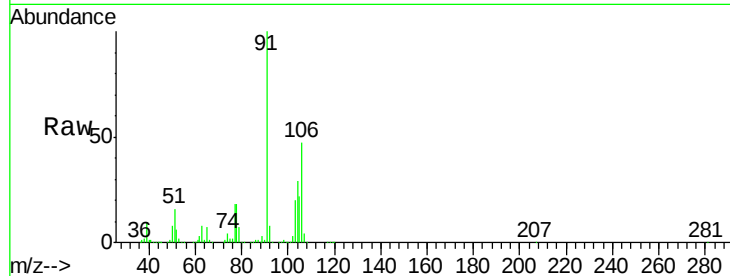
91 212.9 108.7 326.1

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

800000

600000

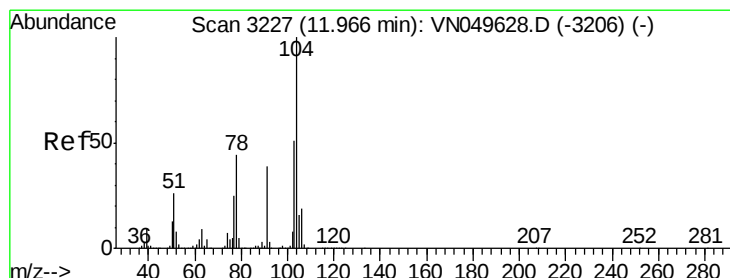
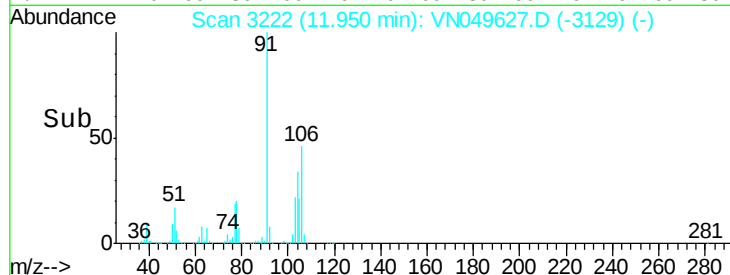
400000

200000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 20.22 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

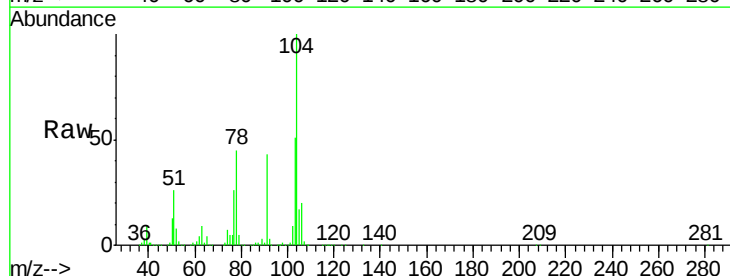
Tgt Ion:104 Resp: 949333

Ion Ratio Lower Upper

104 100

78 49.3 39.2 58.8

103 55.9 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

600000

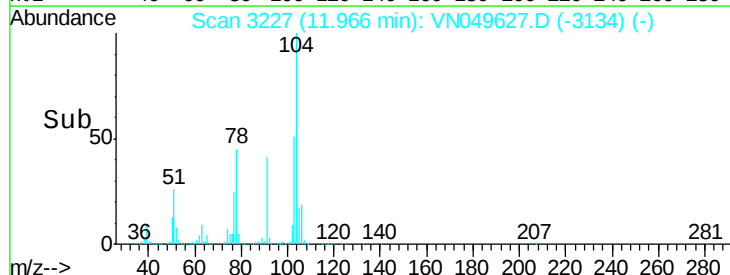
400000

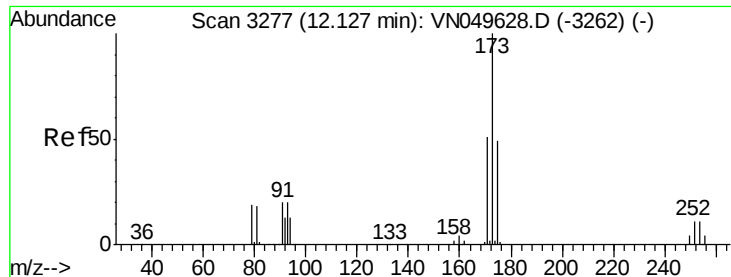
200000

0

11.90 11.97 12.00

Time-->





#71

Bromoform

Concen: 18.95 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 216435

Ion Ratio Lower Upper

173 100

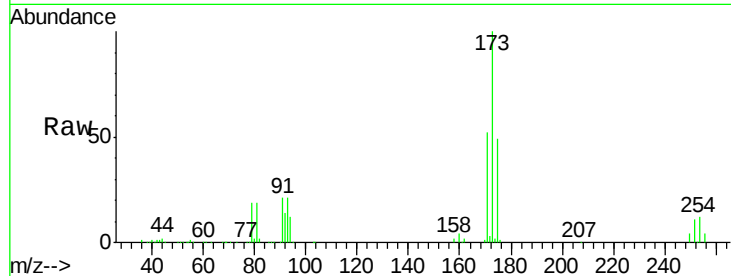
175 48.9 24.6 73.8

254 0.0 0.2 0.2#

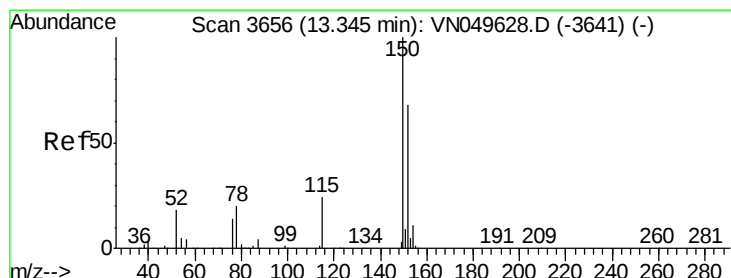
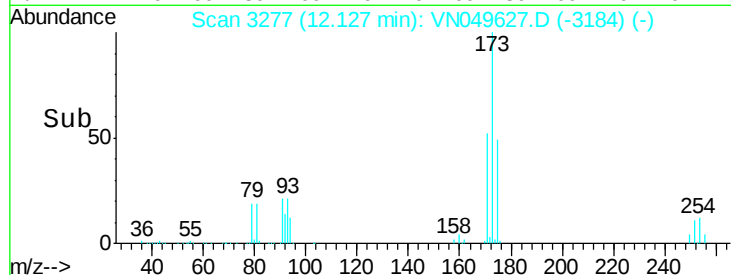
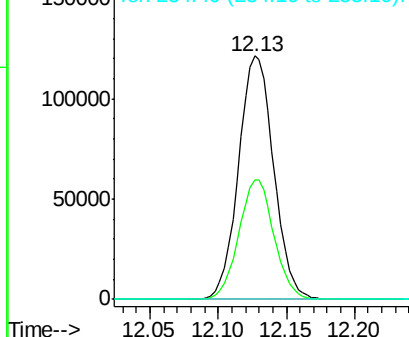
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

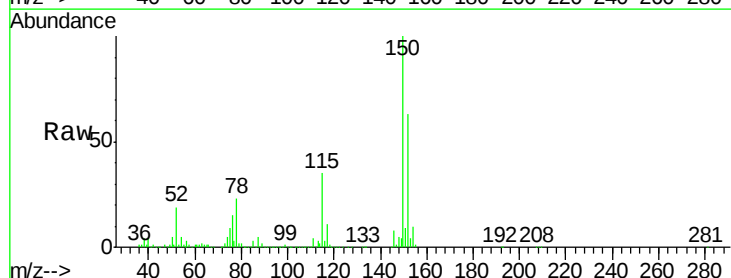
Tgt Ion:152 Resp: 953718

Ion Ratio Lower Upper

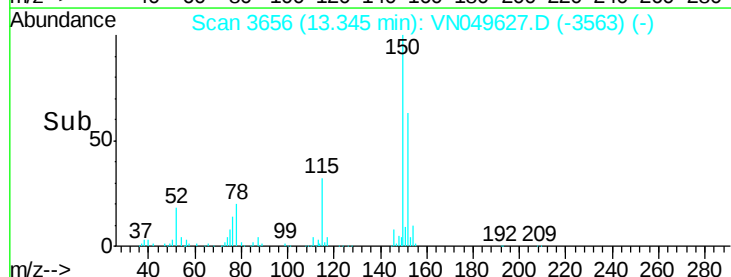
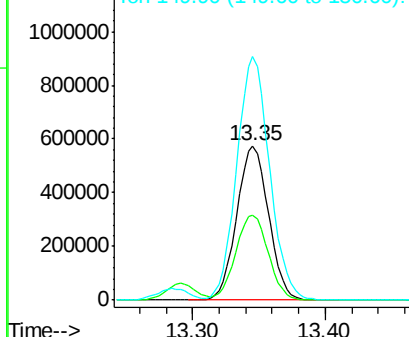
152 100

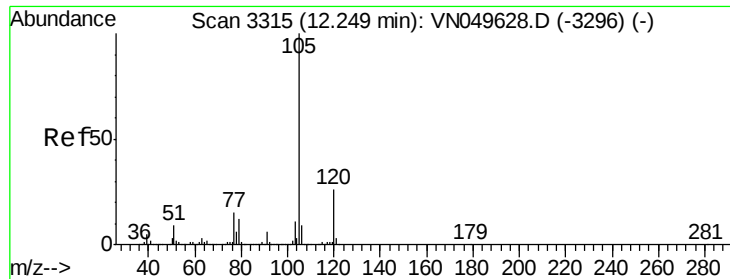
115 56.4 28.1 84.2

150 163.7 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: 20.15 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 1530934

Ion Ratio Lower Upper

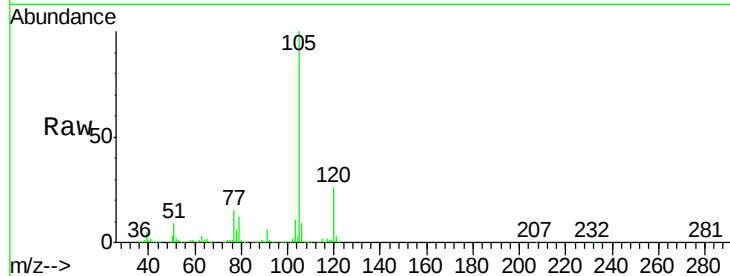
105 100

120 26.1 13.3 39.8

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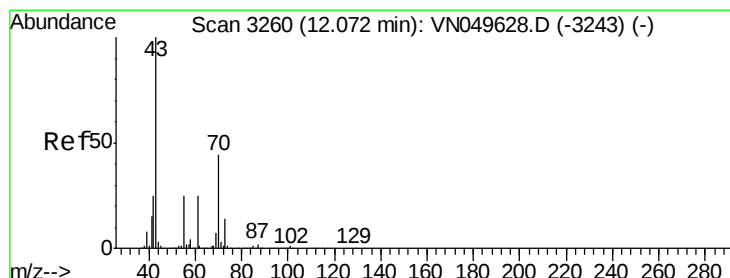
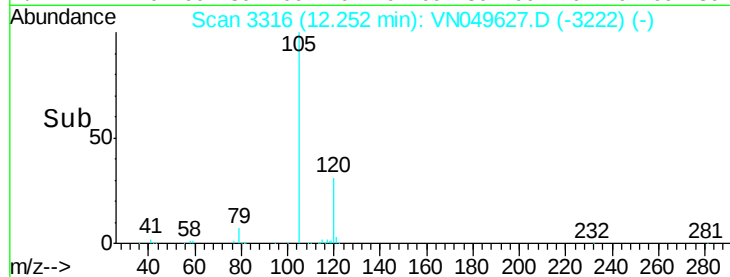
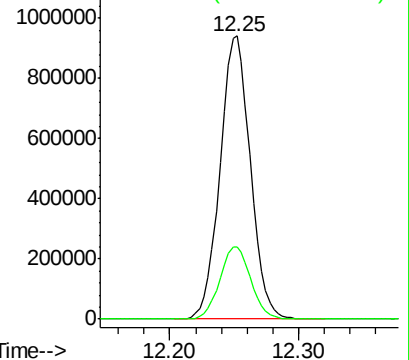
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.39 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Tgt Ion: 43 Resp: 381588

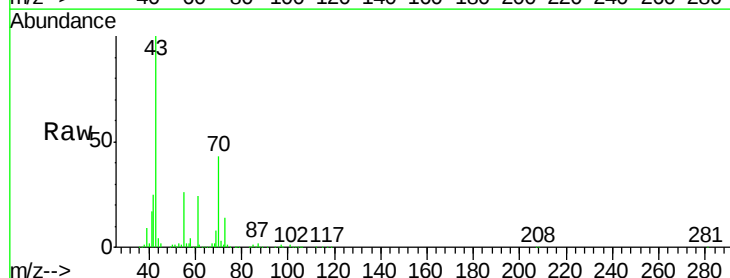
Ion Ratio Lower Upper

43 100

70 43.4 34.8 52.2

55 26.6 20.9 31.3

61 24.4 19.9 29.9

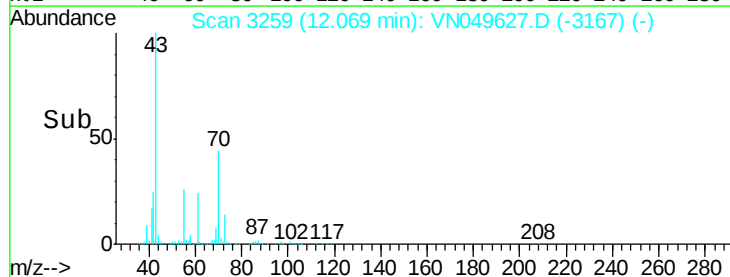
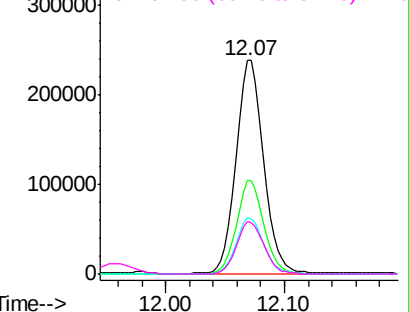


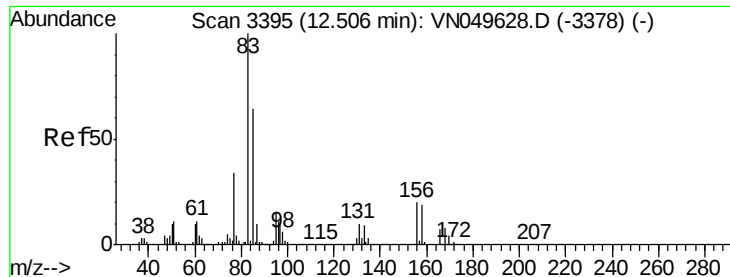
Abundance Ion 43.00 (42.70 to 43.70): V

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: 18.76 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 83 Resp: 336471
Ion Ratio Lower Upper

83 100

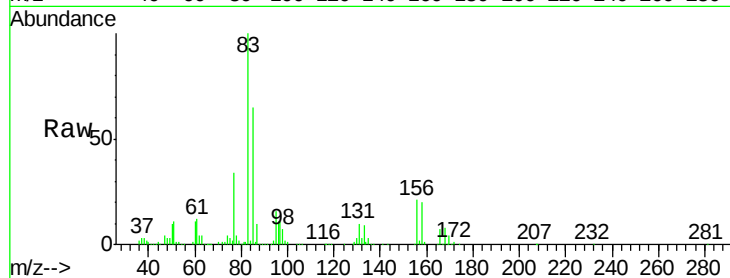
131 10.3 5.2 15.6

85 64.2 32.5 97.4

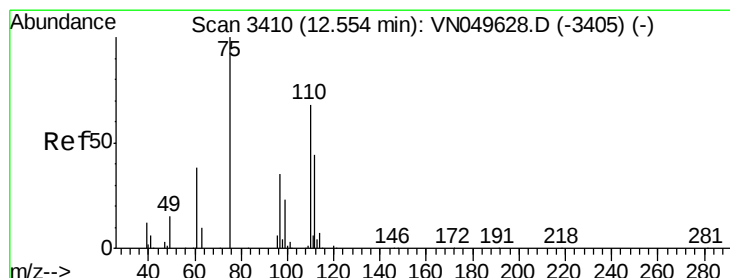
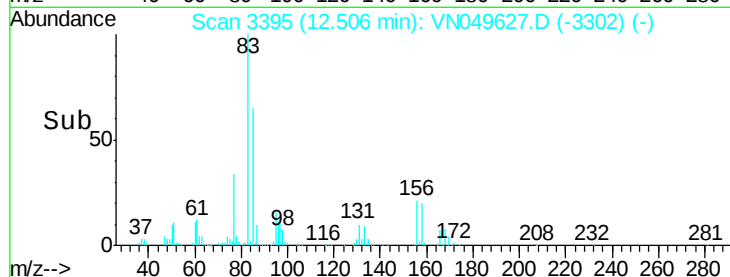
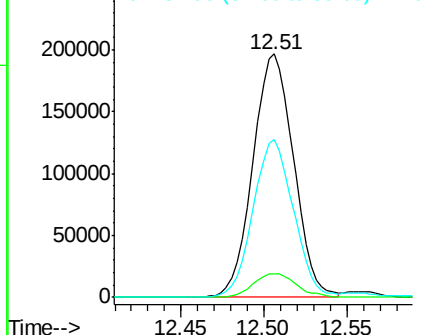
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Abundance Ion 82.90 (82.60 to 83.60): VN049627.D (-3302) (-)
Ion 130.80 (130.50 to 131.50): VN049627.D (-3302) (-)
Ion 84.90 (84.60 to 85.60): VN049627.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 17.48 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

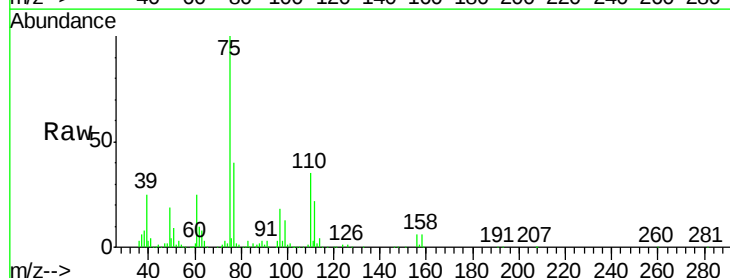
Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

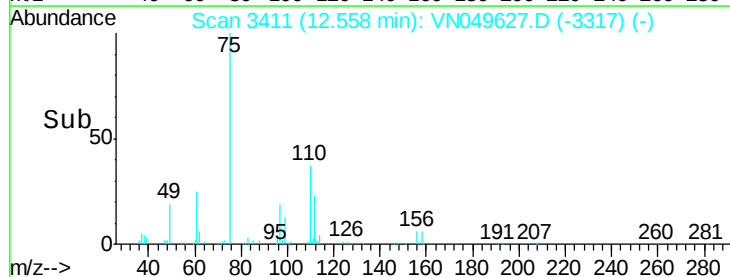
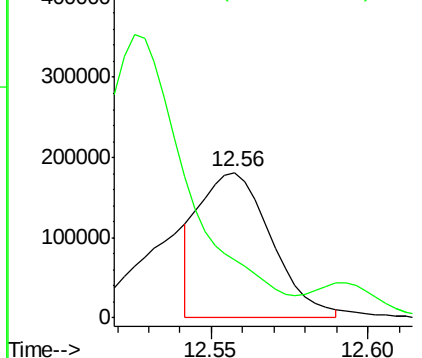
Tgt Ion: 75 Resp: 289381
Ion Ratio Lower Upper

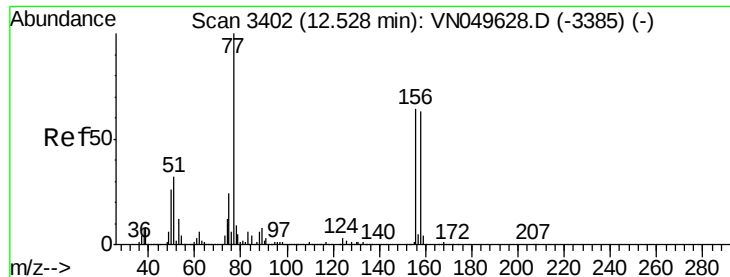
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049627.D (-3317) (-)
Ion 77.00 (76.70 to 77.70): VN049627.D (-3317) (-)





#77

Bromobenzene

Concen: 19.24 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

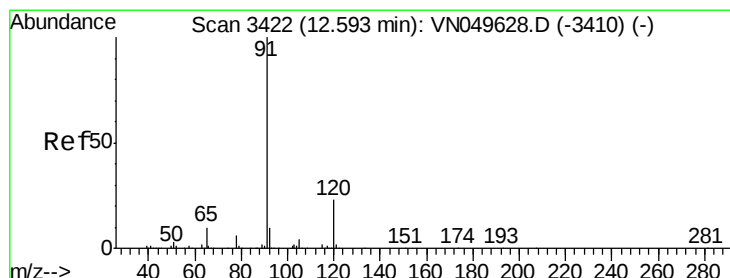
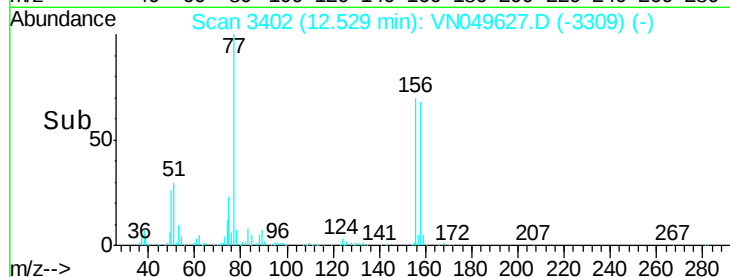
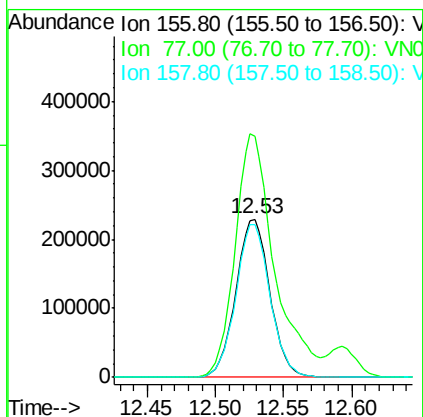
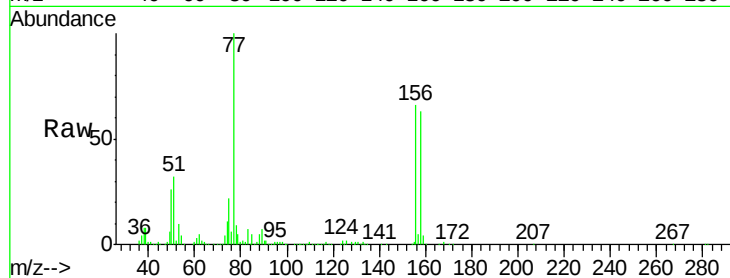
ClientSampled :

VSTDIC020

Tot Ion:	156	Resp:	397493
Ion Ratio	Lower	Upper	
156	100		
77	177.9	90.2	270.6
158	96.9	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.23 ug/l

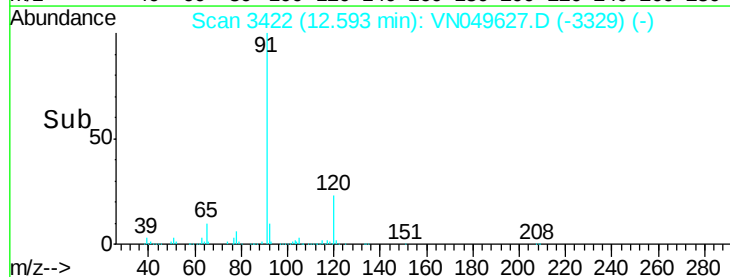
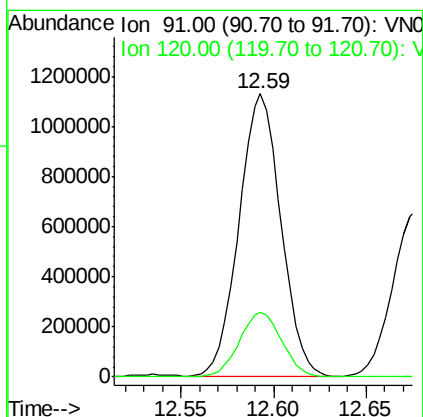
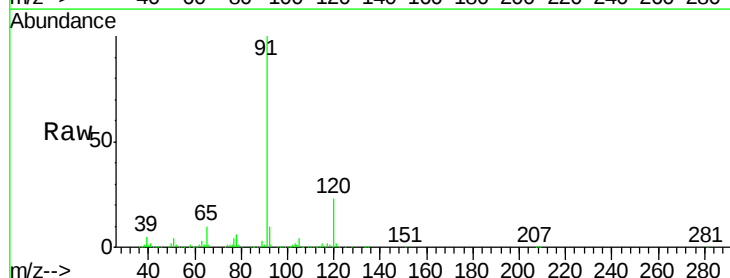
RT: 12.59 min Scan# 3422

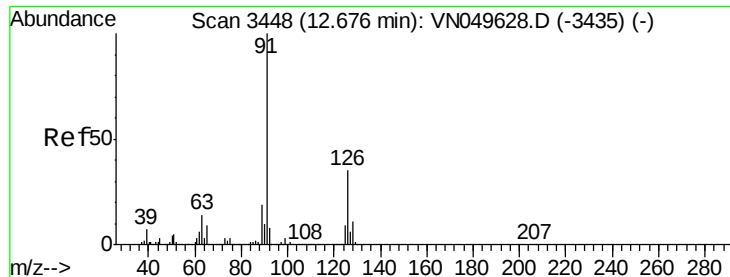
Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Tgt Ion:	91	Resp:	1761485
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 19.67 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 1083779

Ion Ratio Lower Upper

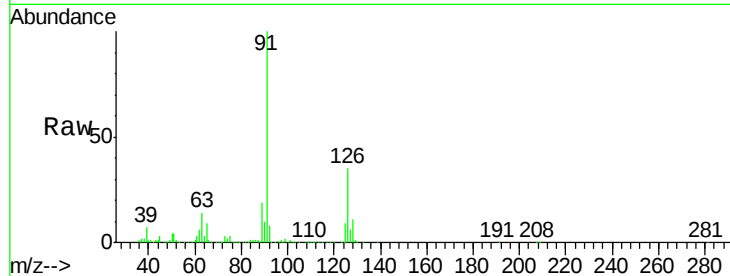
91 100

126 35.1 17.5 52.5

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Abundance Ion 91.00 (90.70 to 91.70): VN049627.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049627.D (-3435) (-)

1200000

1000000

800000

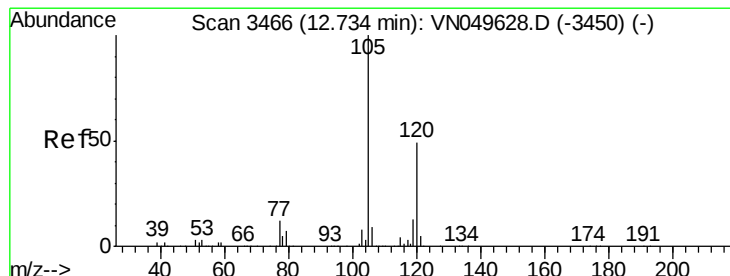
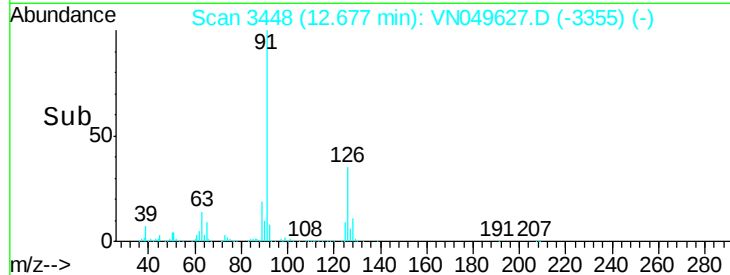
600000

400000

200000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 20.70 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049627.D

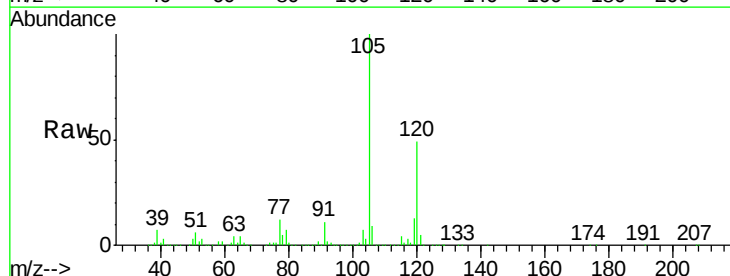
Acq: 29 Jun 2018 11:45

Tgt Ion: 105 Resp: 1306837

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049627.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049627.D (-3450) (-)

800000

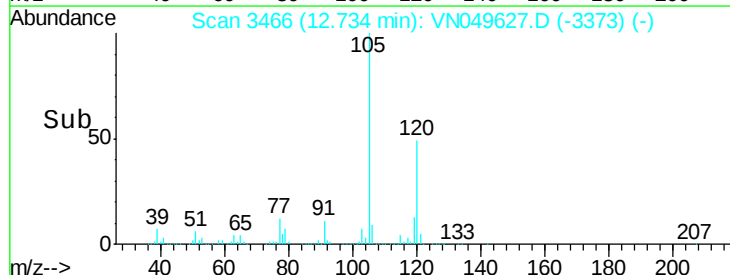
600000

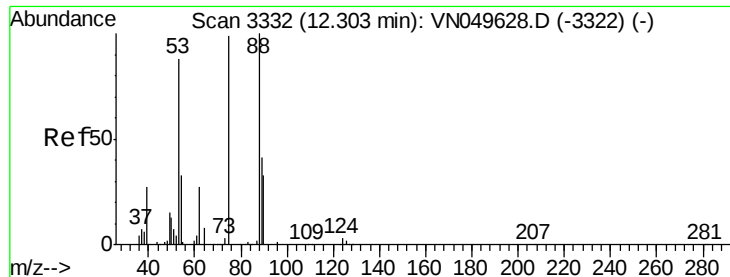
400000

200000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 17.98 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

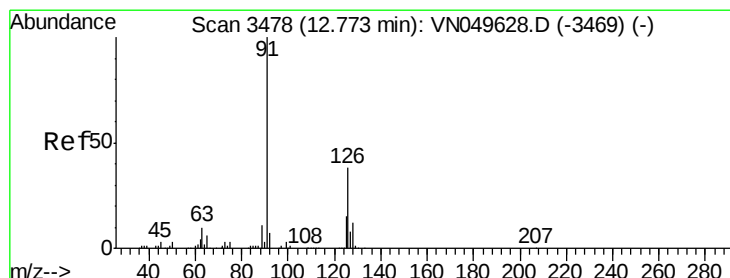
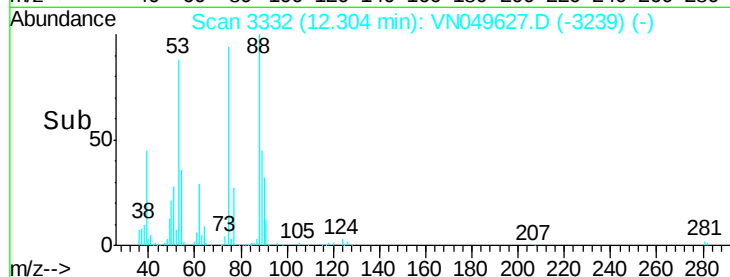
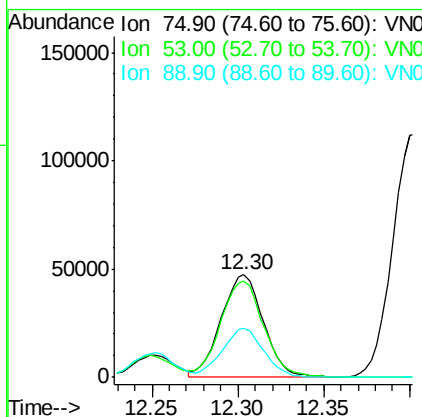
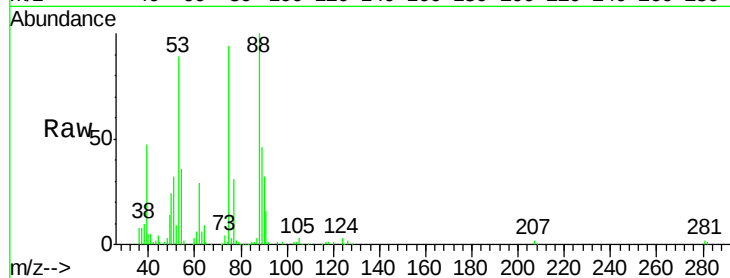
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	80957
Ion	Ratio	Lower	Upper
75	100		
53	97.3	73.9	110.9
89	47.2	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.75 ug/l

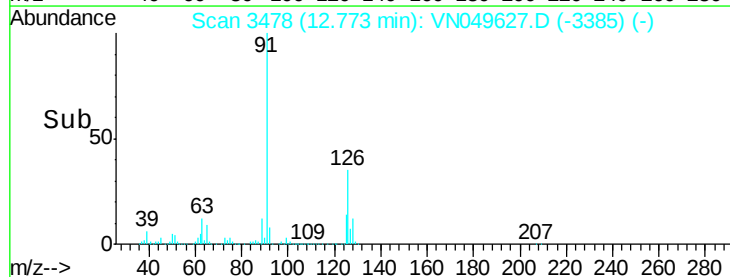
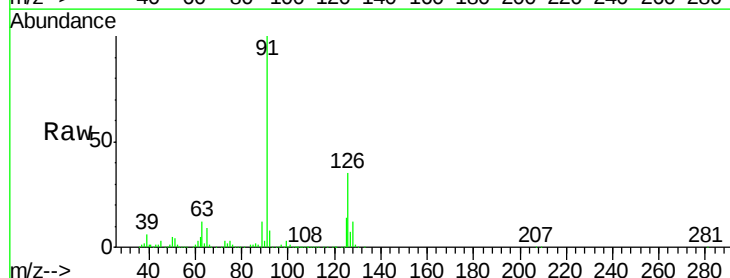
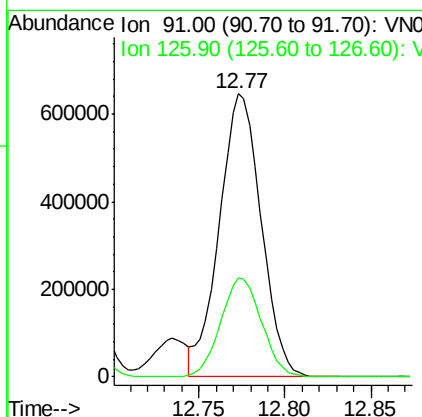
RT: 12.77 min Scan# 3478

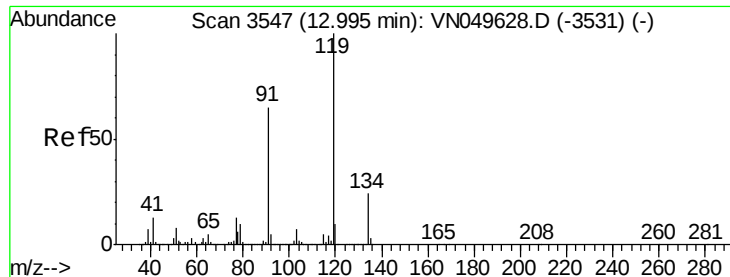
Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Tgt Ion:	91	Resp:	1094202
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.6





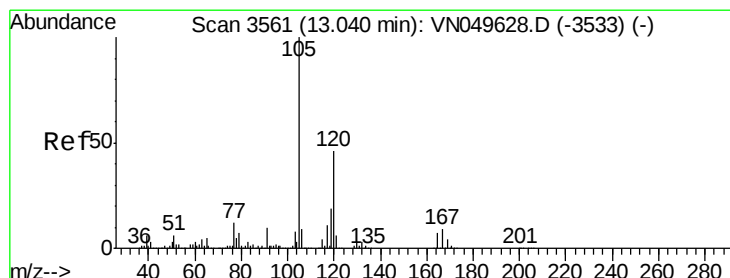
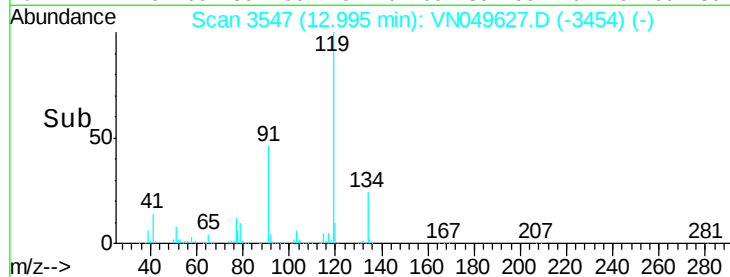
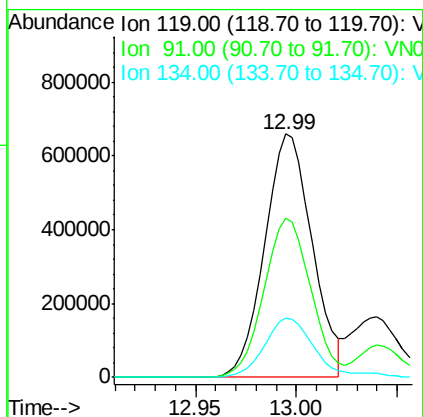
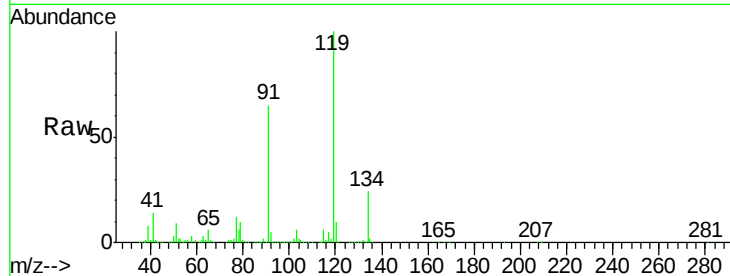
#83
 tert-Butylbenzene
 Concen: 19.88 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion:119 Resp: 1078099
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.0 96.2
 134 25.9 12.8 38.4

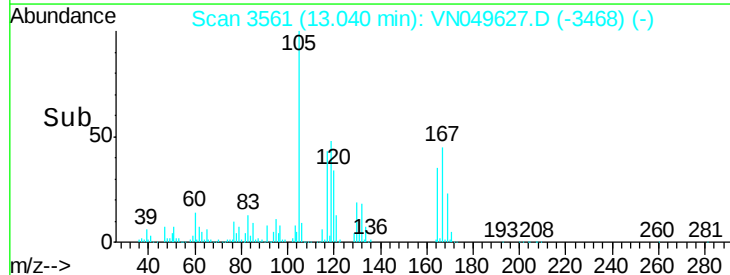
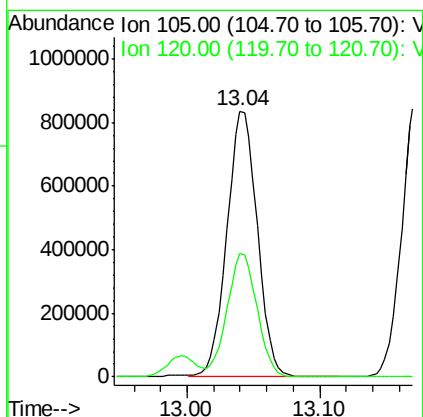
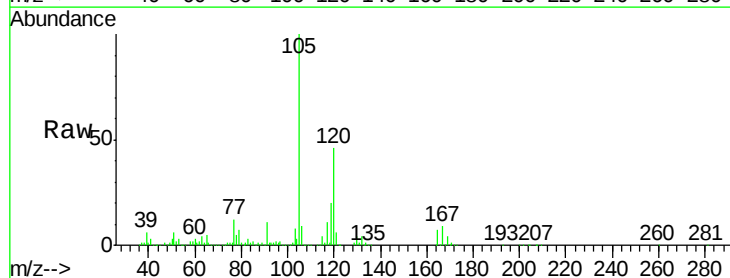
Manual Integrations
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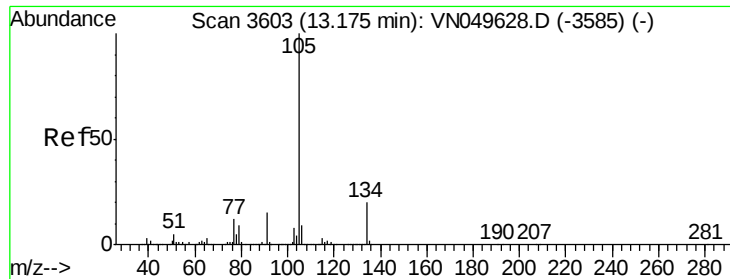
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.47 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Tgt Ion:105 Resp: 1328054
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.7 68.1





#85

sec-Butylbenzene

Concen: 20.35 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 1461858

Ion Ratio Lower Upper

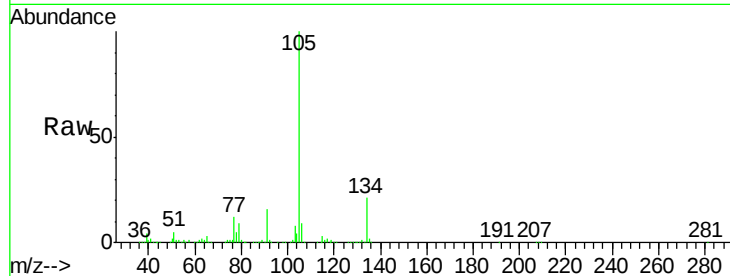
105 100

134 20.3 10.1 30.1

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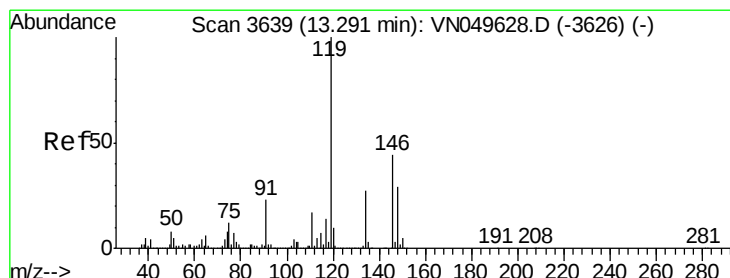
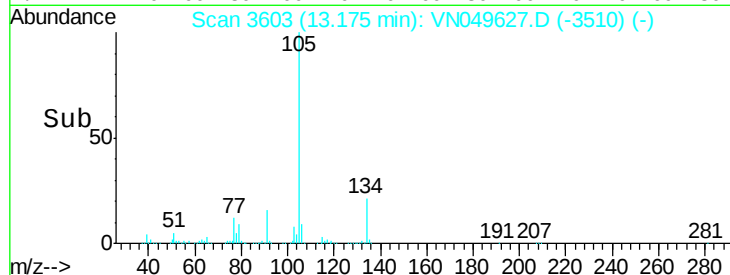
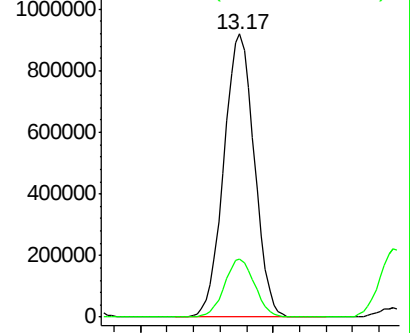
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.66 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

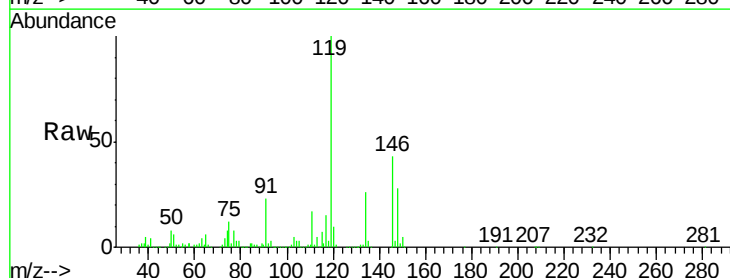
Tgt Ion:119 Resp: 1285565

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

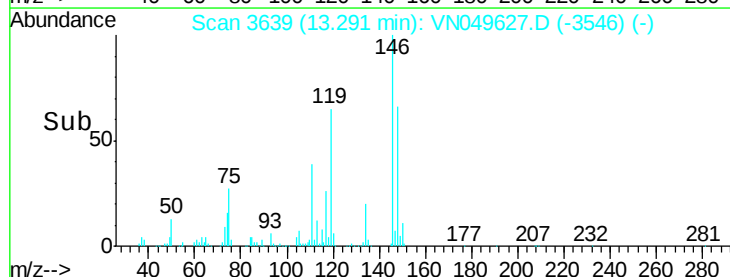
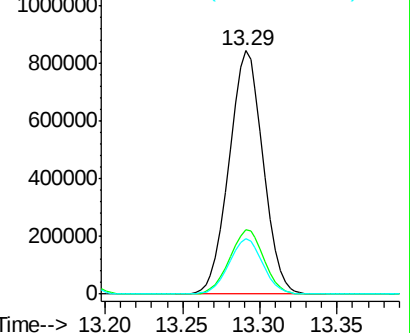
91 22.7 11.4 34.1

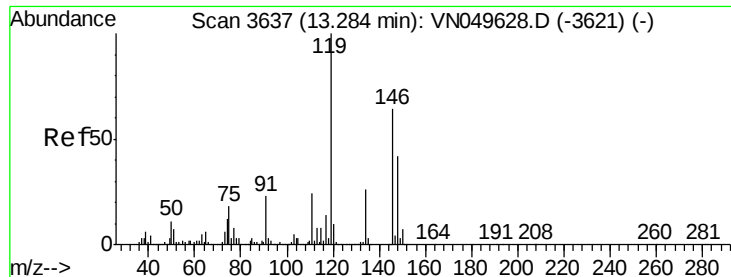


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.51 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

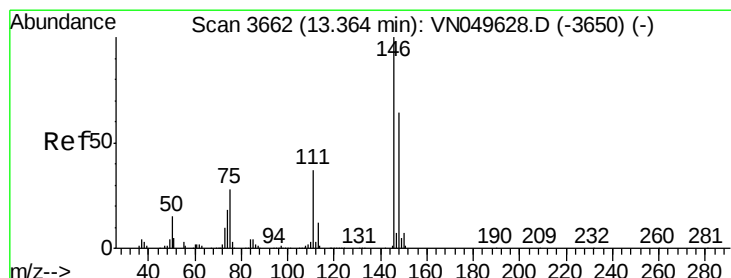
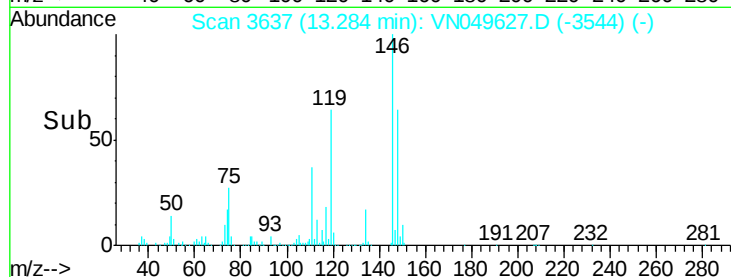
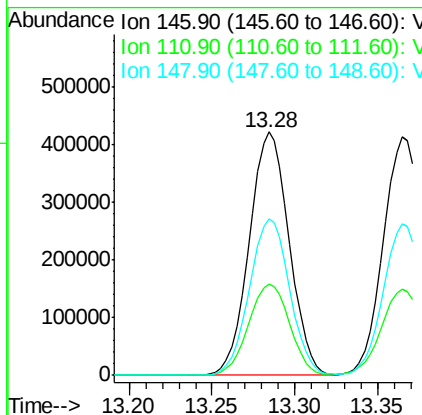
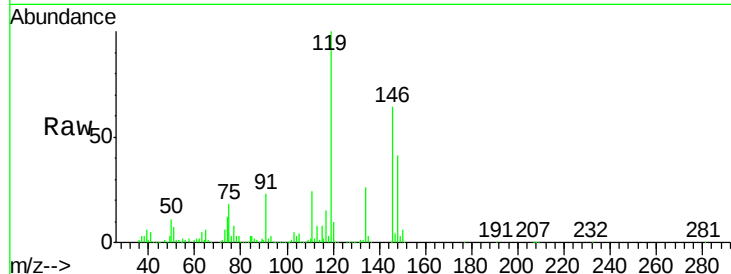
ClientSampled :

VSTDIC020

Tot Ion:	146	Resp:	705831
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.0	57.0
148	64.9	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 17.98 ug/l

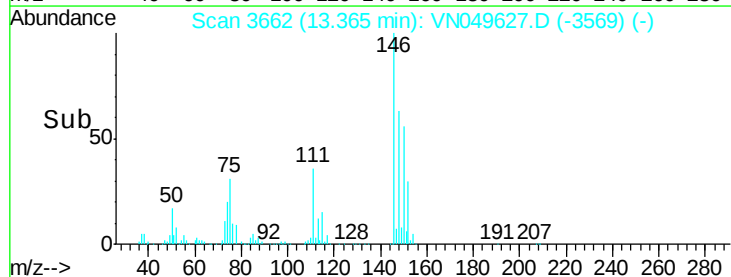
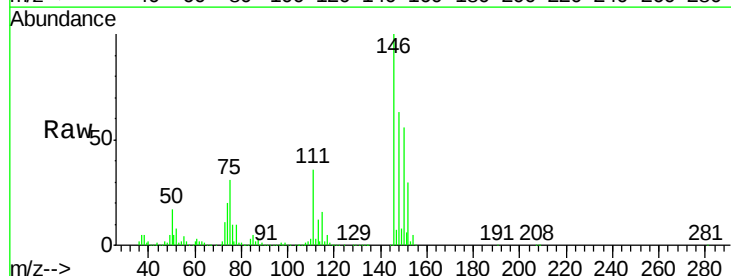
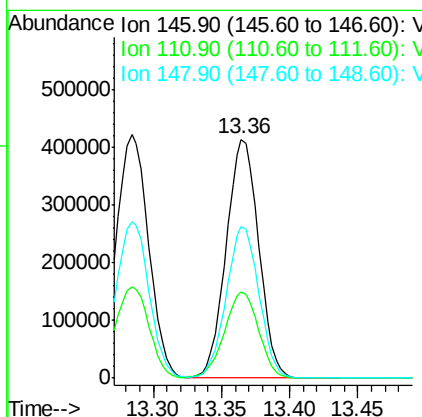
RT: 13.36 min Scan# 3662

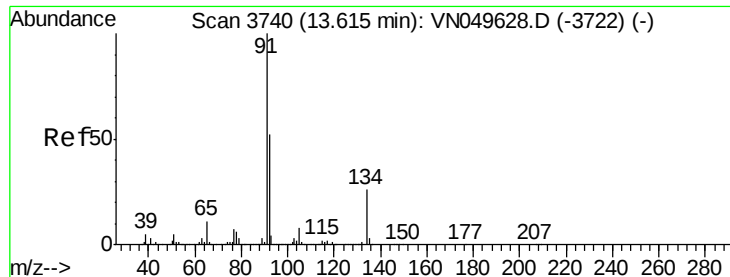
Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Tgt Ion:	146	Resp:	684343
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.9	56.5
148	63.8	32.1	96.3





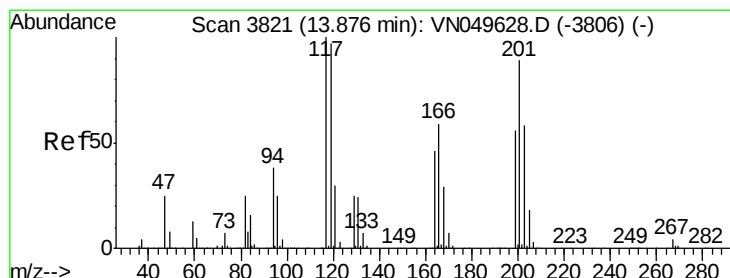
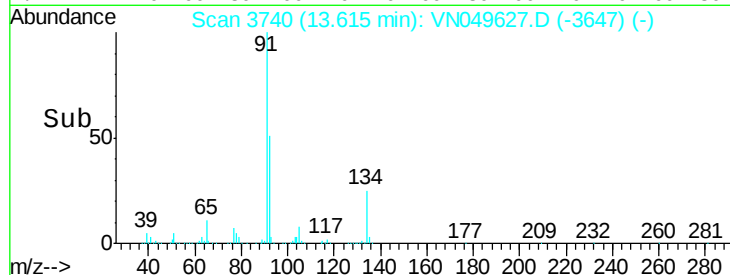
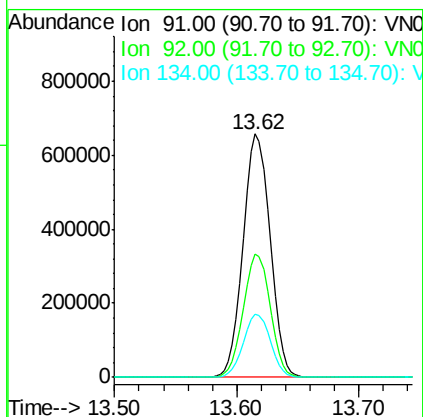
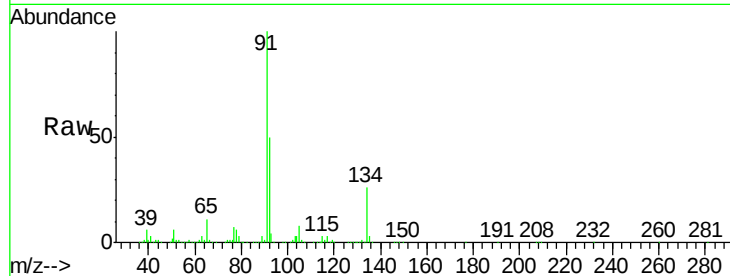
#89
n-Butylbenzene
Concen: 18.81 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.8	77.3
134	25.9	13.0	38.9

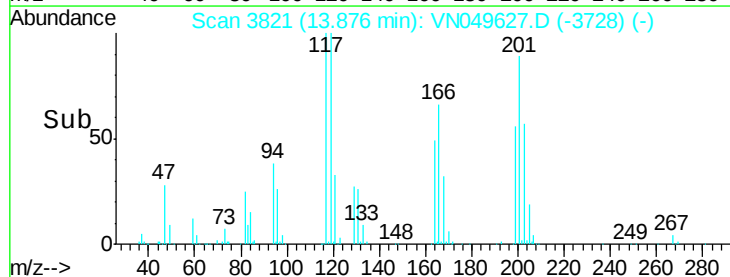
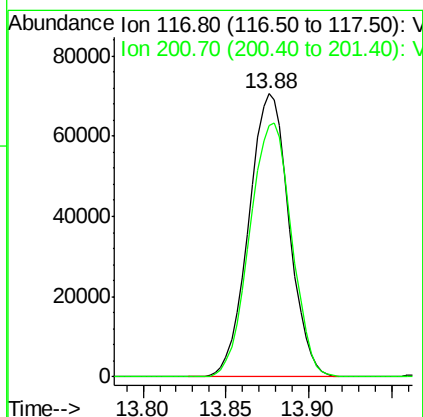
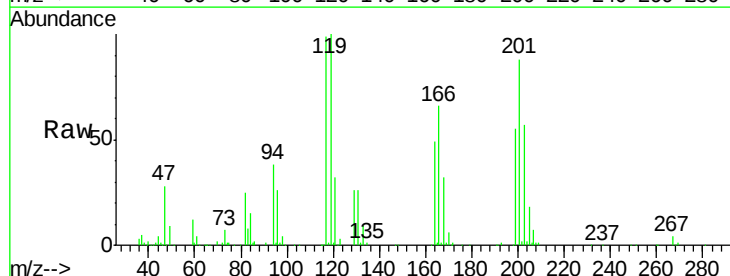
Manual Integrations
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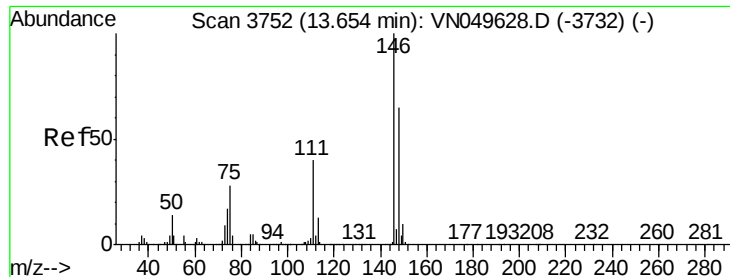
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#90
Hexachloroethane
Concen: 18.33 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.9	45.3	135.8





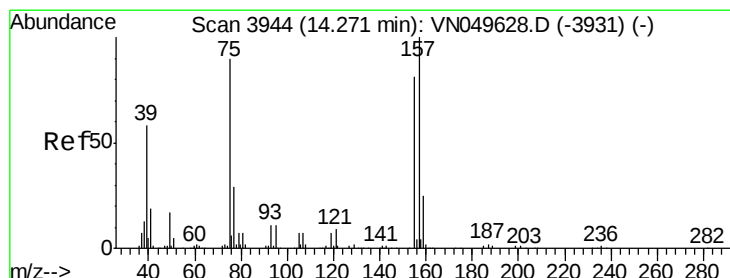
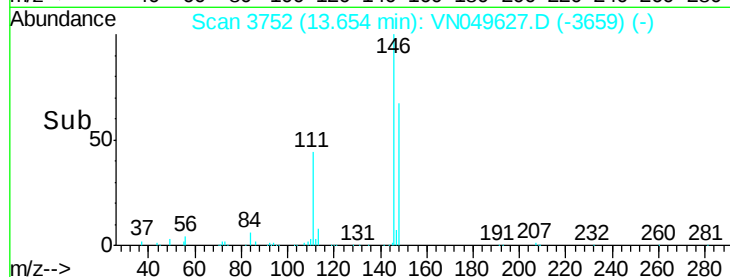
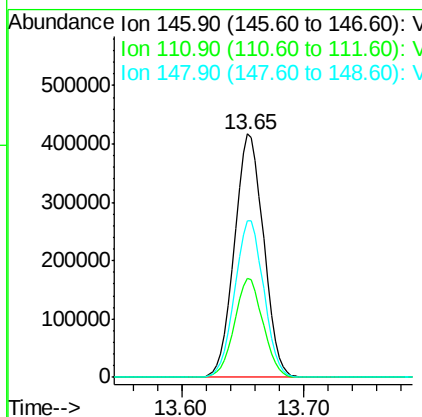
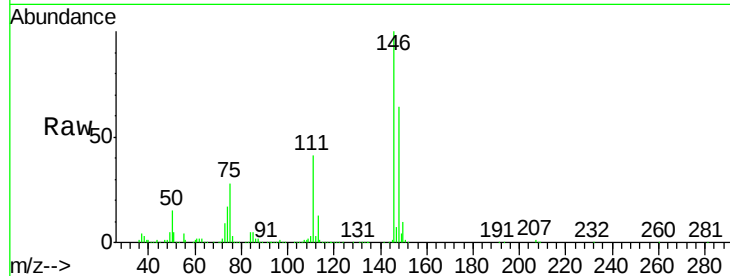
#91
 1,2-Dichlorobenzene
 Concen: 18.62 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.1
148	64.2	32.0	96.2

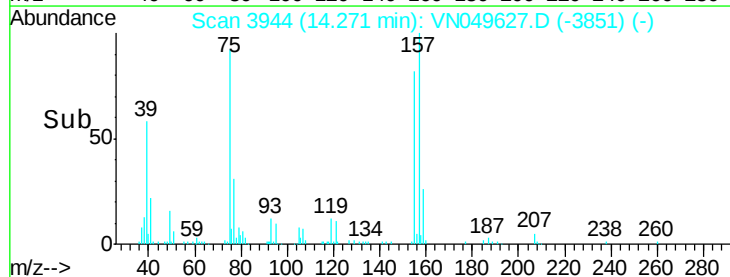
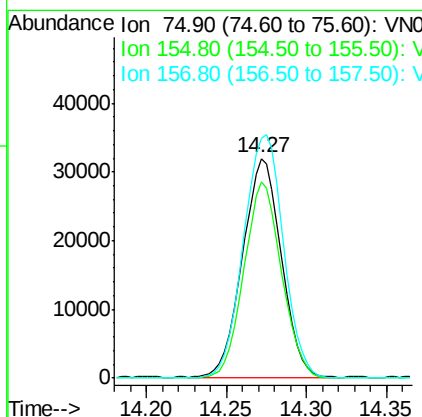
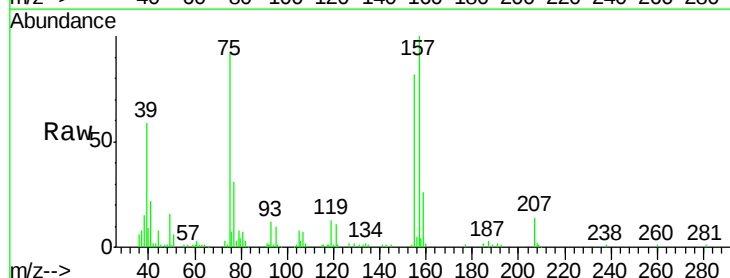
Manual Integrations
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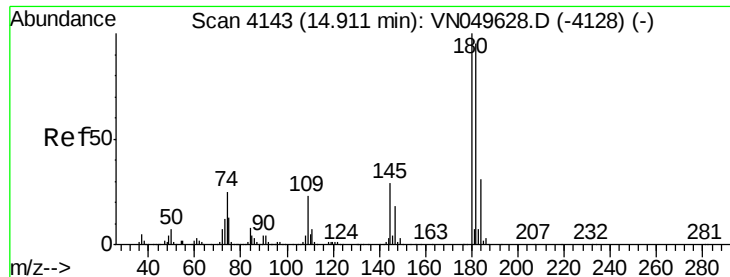
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.08 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049627.D
 Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	45.7	137.1
157	113.0	56.9	170.7





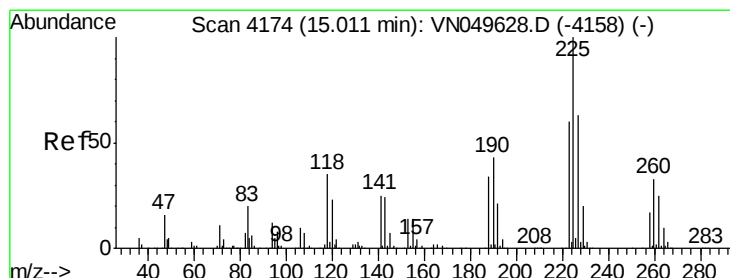
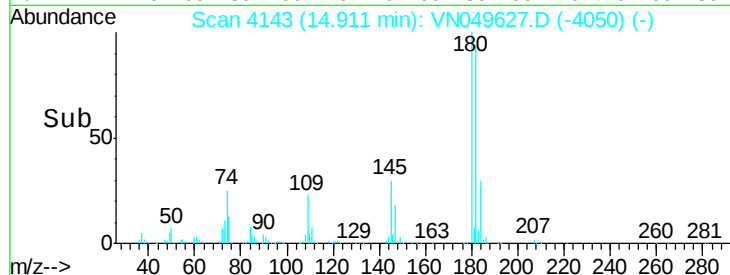
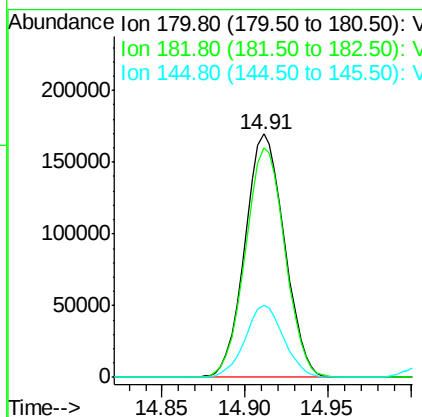
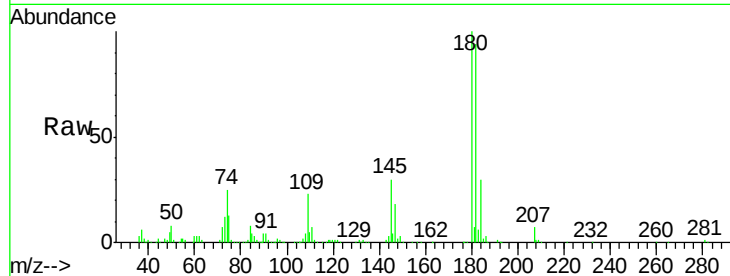
#93
1,2,4-Trichlorobenzene
Concen: 16.45 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	280719		
182	94.6	47.3	141.9	
145	29.1	14.4	43.0	

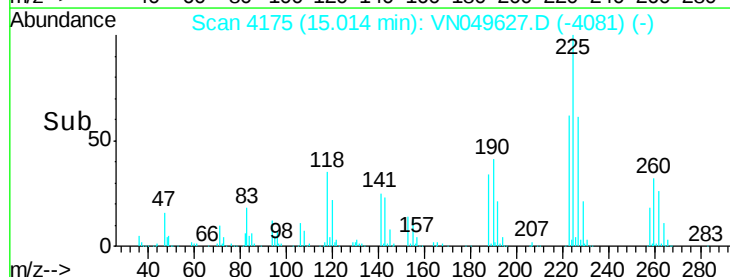
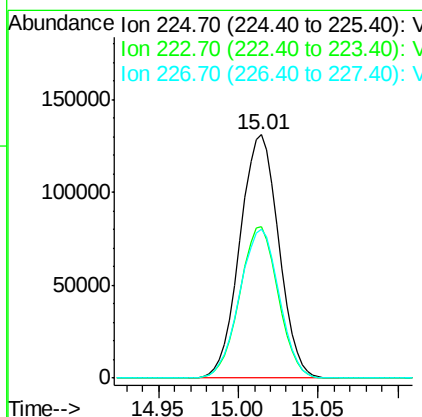
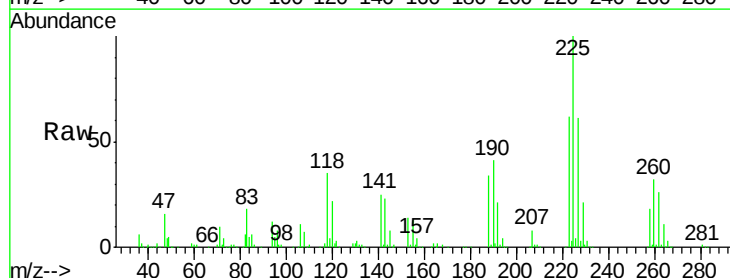
Manual Integrations
APPROVED

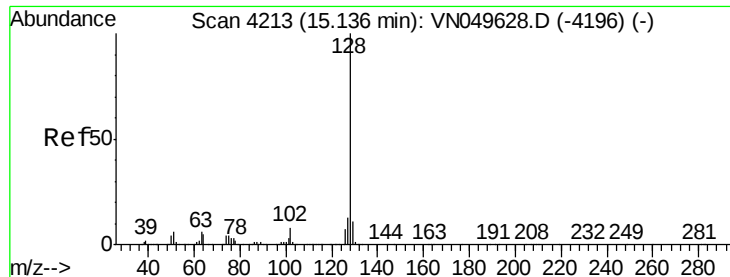
apatel
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#94
Hexachlorobutadiene
Concen: 18.37 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049627.D
Acq: 29 Jun 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	217462		
223	61.7	30.9	92.7	
227	62.4	31.8	95.4	





#95

Naphthalene

Concen: 14.73 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Instrument :

MSVOA_N

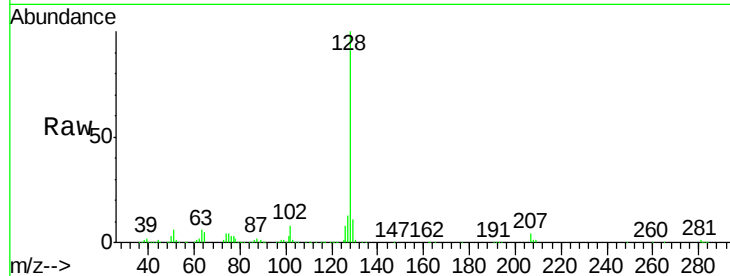
ClientSampleId :

VSTDIC020

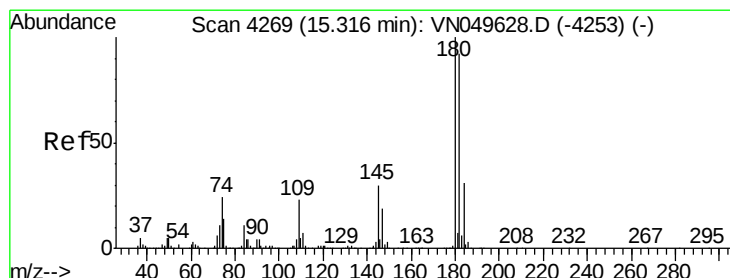
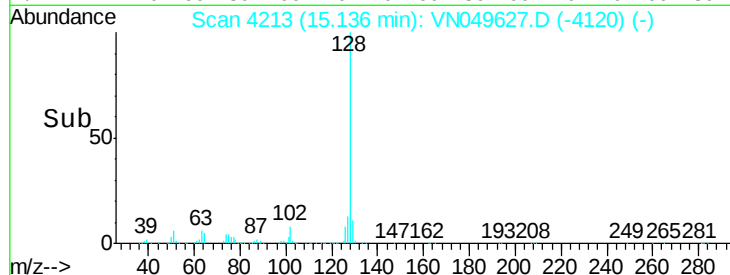
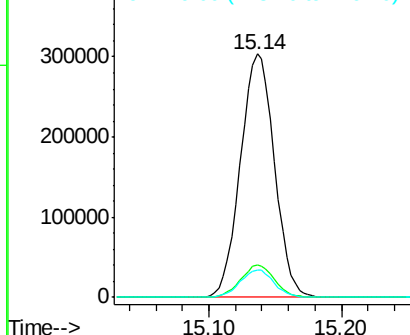
Tot Ion:	128	Resp:	539412
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
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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: 16.13 ug/l

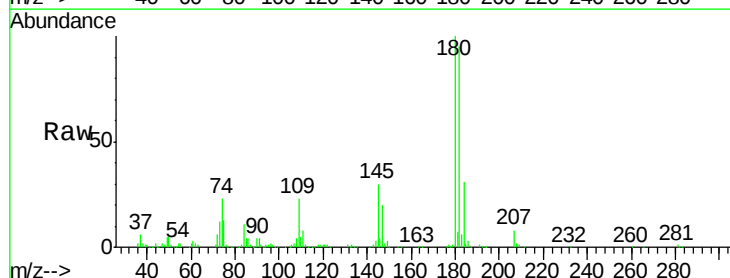
RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049627.D

Acq: 29 Jun 2018 11:45

Tgt Ion:	180	Resp:	283321
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.4	142.2
145	30.8	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

