

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
 Data File : VN049635.D
 Acq On : 29 Jun 2018 16:58
 Operator : MD\SY
 Sample : VN0629WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBS01

Manual Integrations
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 7/2/2018 2:19:50 PM

Quant Time: Jun 30 01:39:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 29 15:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1344176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2033127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1787648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	919516	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	781429	44.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.04%	
35) Dibromofluoromethane	7.59	113	676902	44.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.06%	
50) Toluene-d8	10.09	98	2568345	43.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.34%	
62) 4-Bromofluorobenzene	12.40	95	858901	42.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	264480	17.46	ug/l	99
3) Chloromethane	2.06	50	313377	16.56	ug/l	97
4) Vinyl Chloride	2.18	62	341126	16.79	ug/l	100
5) Bromomethane	2.56	94	173527	16.26	ug/l	97
6) Chloroethane	2.70	64	209558	16.29	ug/l	99
7) Trichlorofluoromethane	3.01	101	383008	16.50	ug/l	99
8) Diethyl Ether	3.41	74	154102	16.38	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	273902	16.40	ug/l	92
10) Methyl Iodide	3.94	142	352354	16.86	ug/l	91
11) Tert butyl alcohol	4.80	59	98758	96.95	ug/l	98
12) 1,1-Dichloroethene	3.73	96	254558	16.12	ug/l	87
13) Acrolein	3.61	56	84431	88.74	ug/l	100
14) Allyl chloride	4.32	41	366136	16.88	ug/l	91
15) Acrylonitrile	4.99	53	462526	87.92	ug/l	99
16) Acetone	3.82	43	350610	92.30	ug/l	91
17) Carbon Disulfide	4.05	76	713054	16.17	ug/l	99
18) Methyl Acetate	4.33	43	299113	15.24	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	699429	17.19	ug/l	99
20) Methylene Chloride	4.55	84	291888	15.97	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	262089	16.13	ug/l	89
22) Diisopropyl ether	5.95	45	824141	16.80	ug/l	98
23) Vinyl Acetate	5.90	43	2668802	83.88	ug/l	96
24) 1,1-Dichloroethane	5.85	63	514629	16.65	ug/l	99
25) 2-Butanone	6.84	43	530310	89.99	ug/l	96
26) 2,2-Dichloropropane	6.82	77	421864	16.43	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	306768	16.90	ug/l	91
28) Bromochloromethane	7.19	49	197719	15.07	ug/l #	82
29) Tetrahydrofuran	7.22	42	341736	90.98	ug/l	94
30) Chloroform	7.37	83	518925	16.47	ug/l	100
31) Cyclohexane	7.65	56	431660	15.78	ug/l #	91
32) 1,1,1-Trichloroethane	7.57	97	440043	16.50	ug/l	97
36) 1,1-Dichloropropene	7.79	75	373910	16.35	ug/l	97
37) Ethyl Acetate	6.93	43	251904	18.88	ug/l	100
38) Carbon Tetrachloride	7.77	117	350293	15.74	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	392661	15.66	ug/l	96
40) Benzene	8.04	78	1150402	16.47	ug/l	99
41) Methacrylonitrile	7.17	41	104289	14.64	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	365305	16.39	ug/l	95
43) Isopropyl Acetate	8.17	43	471436	17.42	ug/l	99
44) Trichloroethene	8.83	130	336654	15.98	ug/l	91
45) 1,2-Dichloropropane	9.12	63	307061	17.02	ug/l	99
46) Dibromomethane	9.21	93	177675	16.28	ug/l	89
47) Bromodichloromethane	9.40	83	378107	16.27	ug/l	96
48) Methyl methacrylate	9.20	41	207733	17.52	ug/l	88
49) 1,4-Dioxane	9.20	88	55875	350.56	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1173122	89.68	ug/l	94
52) Toluene	10.16	92	700920	16.61	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	358420	16.11	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	423932	16.30	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	254956	16.23	ug/l	96
56) Ethyl methacrylate	10.43	69	316304	17.18	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	433500	17.02	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	666255	77.24	ug/l	95
59) 2-Hexanone	10.75	43	778544	90.01	ug/l	93
60) Dibromochloromethane	10.90	129	280630	16.53	ug/l	100
61) 1,2-Dibromoethane	11.01	107	255946	17.00	ug/l	97
64) Tetrachloroethene	10.63	164	399551	16.51	ug/l	98
65) Chlorobenzene	11.44	112	751850	16.12	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	277613	16.57	ug/l	99
67) Ethyl Benzene	11.51	91	1239001	16.07	ug/l	98
68) m/p-Xylenes	11.62	106	987675	33.43	ug/l	96
69) o-Xylene	11.95	106	472824	16.72	ug/l	95
70) Styrene	11.97	104	754159	16.48	ug/l	97
71) Bromoform	12.13	173	185200	16.63	ug/l	98
73) Isopropylbenzene	12.25	105	1223894	16.71	ug/l	98
74) N-amyl acetate	12.07	43	340941	17.04	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	293539	18.41	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	250148m	16.75	ug/l	
77) Bromobenzene	12.53	156	320679	16.10	ug/l	90
78) n-propylbenzene	12.59	91	1407350	16.77	ug/l	99
79) 2-Chlorotoluene	12.68	91	861132	16.21	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1030685	16.93	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	71354	16.43	ug/l	97
82) 4-Chlorotoluene	12.78	91	862243	16.14	ug/l	99
83) tert-Butylbenzene	13.00	119	854224	16.34	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1054770	16.87	ug/l	99
85) sec-Butylbenzene	13.17	105	1171095	16.91	ug/l	99
86) p-Isopropyltoluene	13.29	119	1002890	16.71	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	555356	16.08	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	540763	16.02	ug/l	99
89) n-Butylbenzene	13.62	91	789762	15.37	ug/l	98
90) Hexachloroethane	13.88	117	84611	13.42	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	555367	16.40	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48183	18.20	ug/l	88

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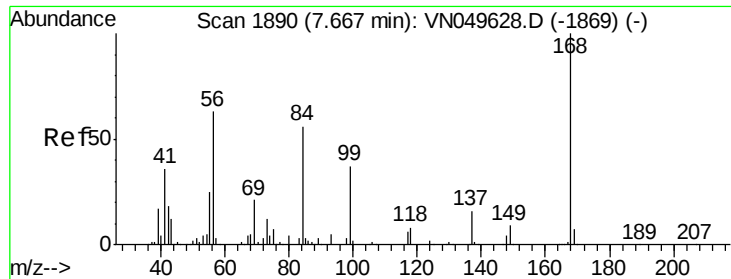
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	219969	14.76	ug/l	100
94) Hexachlorobutadiene	15.01	225	176395	16.57	ug/l	99
95) Naphthalene	15.14	128	455817	15.23	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	232125	15.60	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: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

VN0629WBS01

Tot Ion:168 Resp: 1344176

Ion Ratio Lower Upper

168 100

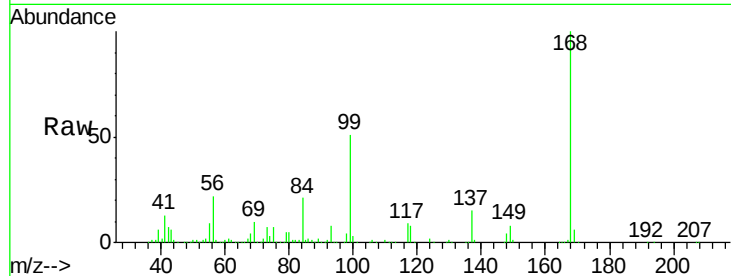
99 50.2 45.8 68.6

Manual Integrations

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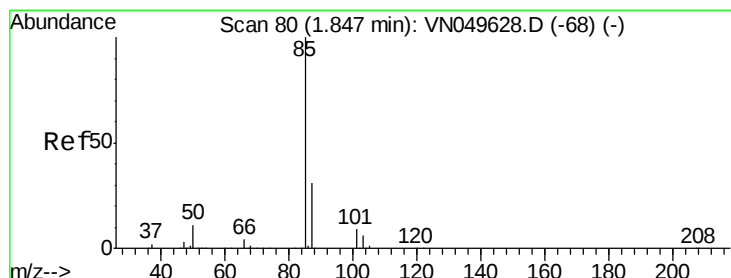
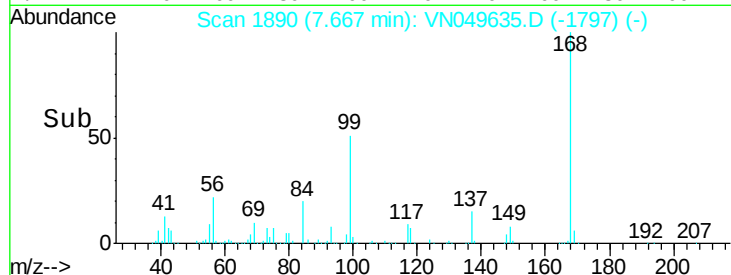
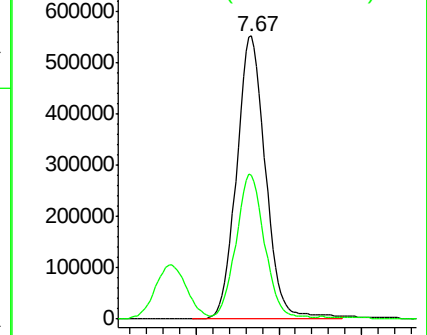
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 17.46 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049635.D

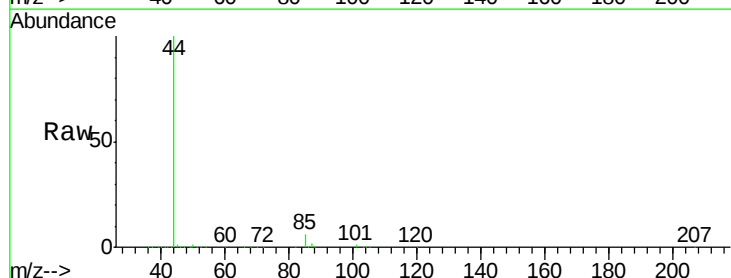
Acq: 29 Jun 2018 16:58

Tgt Ion: 85 Resp: 264480

Ion Ratio Lower Upper

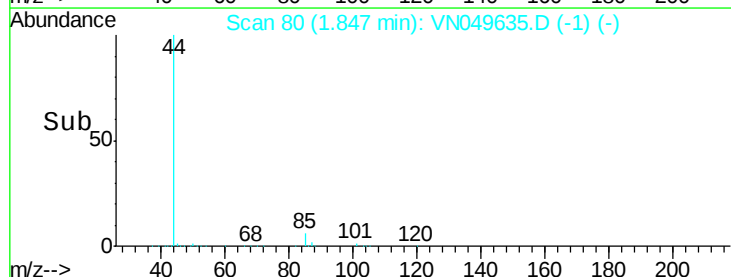
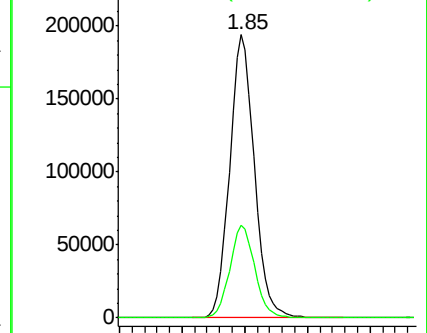
85 100

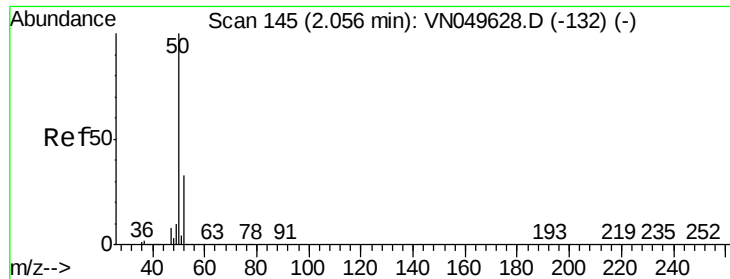
87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 16.56 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

VN0629WBS01

Tot Ion: 50 Resp: 313377

Ion Ratio Lower Upper

50 100

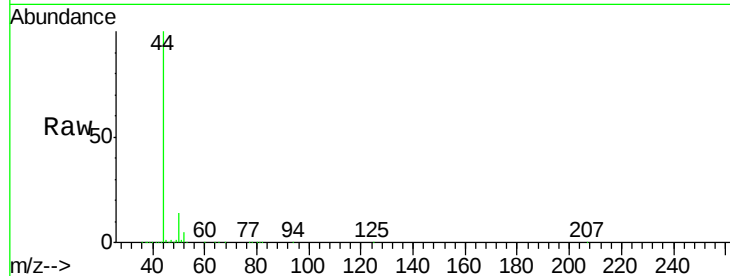
52 33.3 25.2 37.8

Manual Integrations

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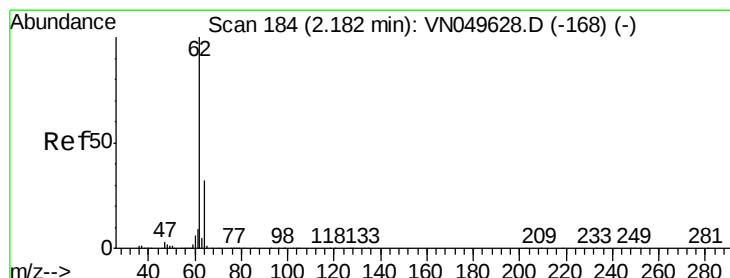
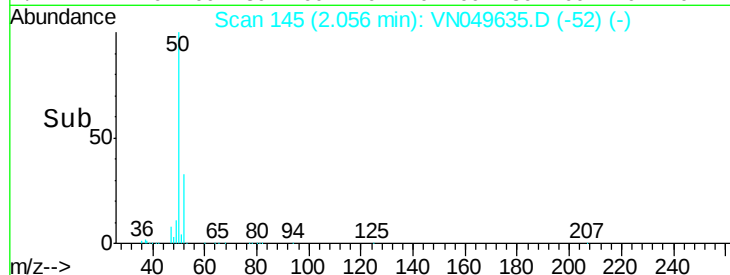
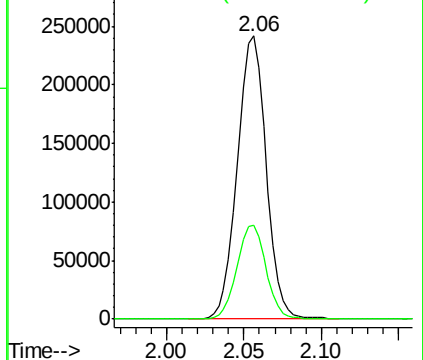
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 16.79 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.01 min

Lab File: VN049635.D

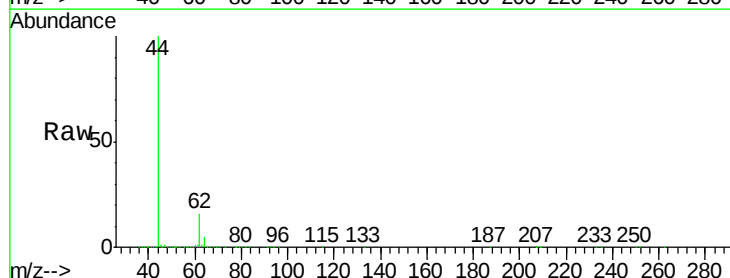
Acq: 29 Jun 2018 16:58

Tgt Ion: 62 Resp: 341126

Ion Ratio Lower Upper

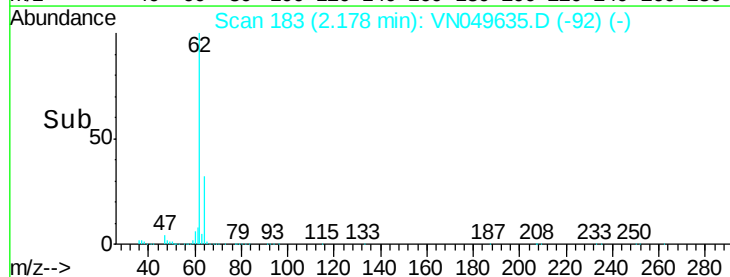
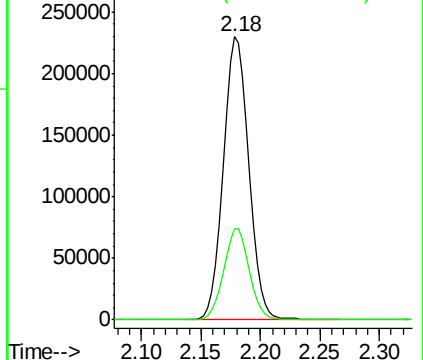
62 100

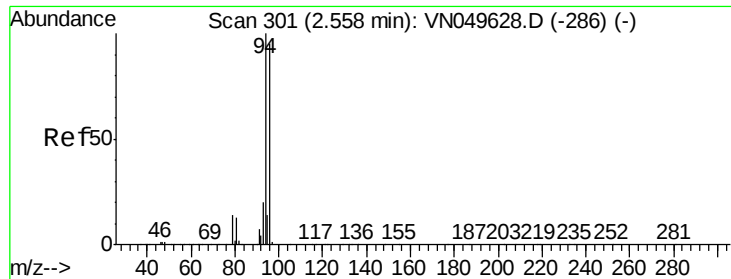
64 32.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 16.26 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBS01

Tot Ion: 94 Resp: 173527

Ion Ratio Lower Upper

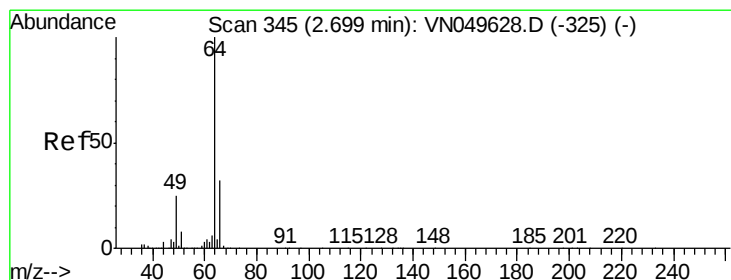
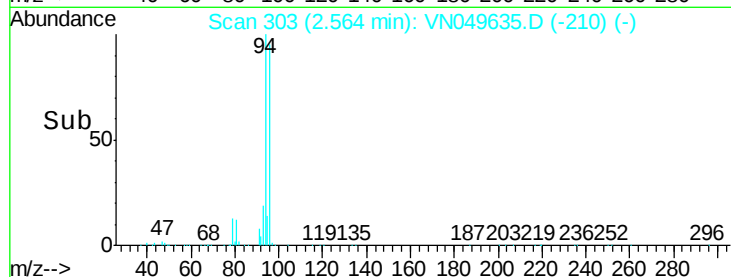
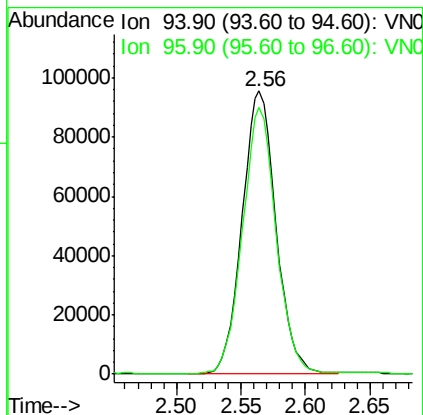
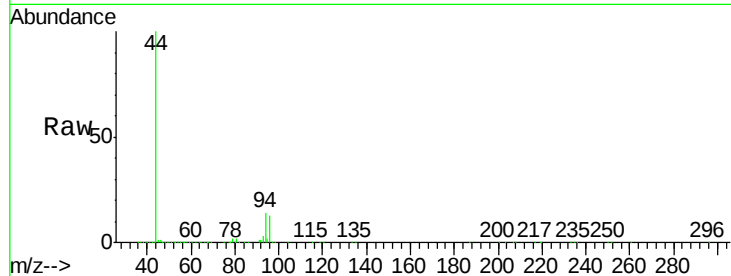
94 100

96 94.2 72.8 109.2

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#6

Chloroethane

Concen: 16.29 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049635.D

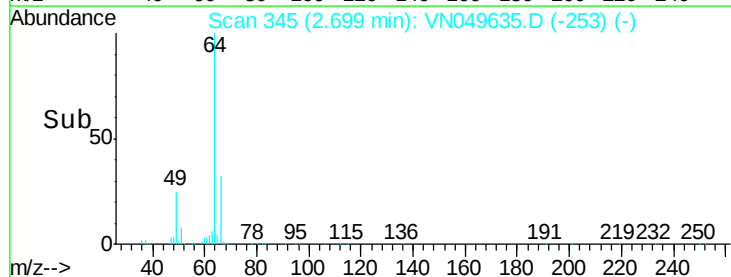
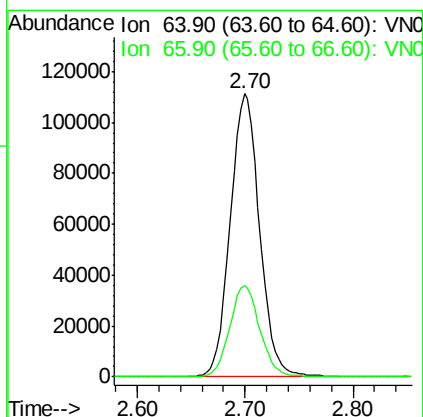
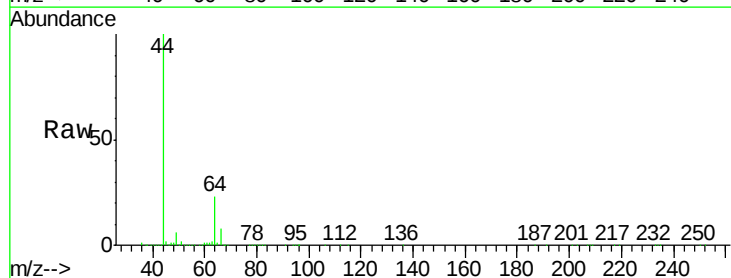
Acq: 29 Jun 2018 16:58

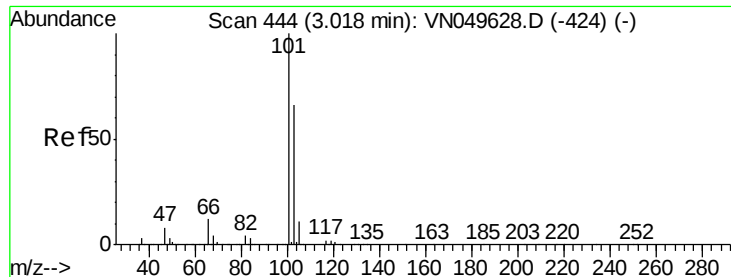
Tgt Ion: 64 Resp: 209558

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4





#7

Trichlorofluoromethane

Concen: 16.50 ug/l

RT: 3.01 min Scan# 443

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBS01

Tot Ion:101 Resp: 383008

Ion Ratio Lower Upper

101 100

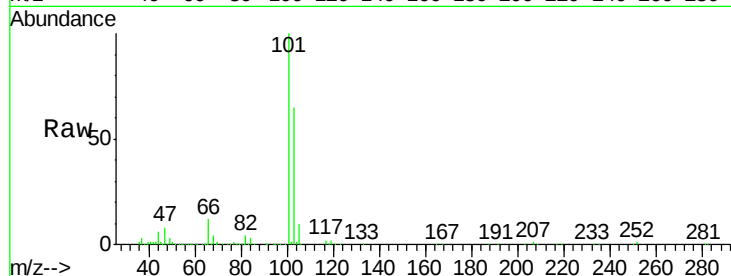
103 65.3 51.7 77.5

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

200000

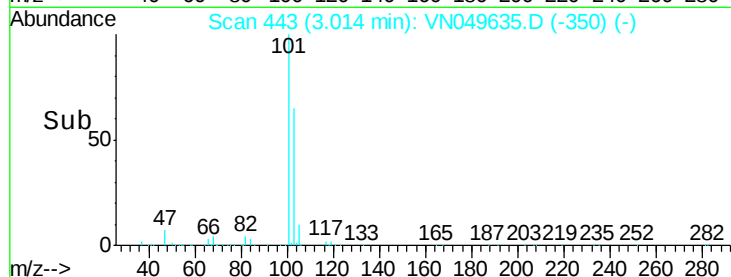
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100000

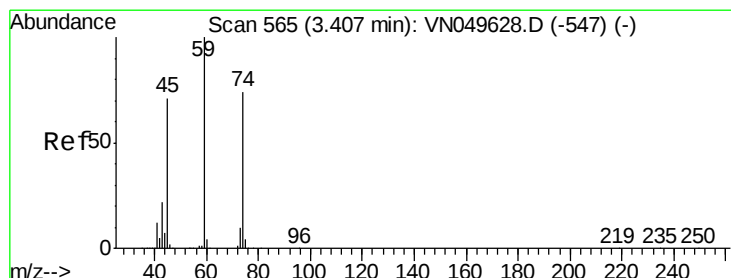
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0

Time-->



Time-->



#8

Diethyl Ether

Concen: 16.38 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN049635.D

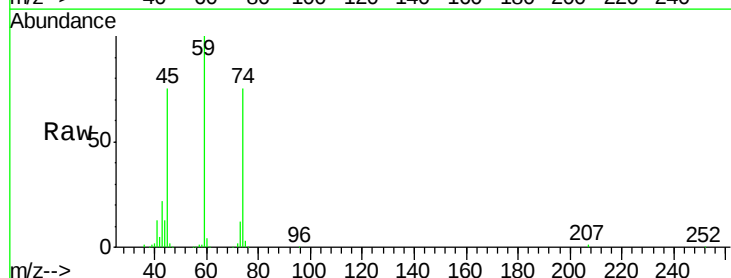
Acq: 29 Jun 2018 16:58

Tgt Ion: 74 Resp: 154102

Ion Ratio Lower Upper

74 100

45 97.3 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

80000

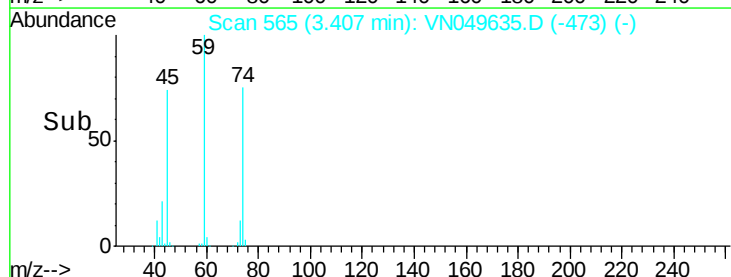
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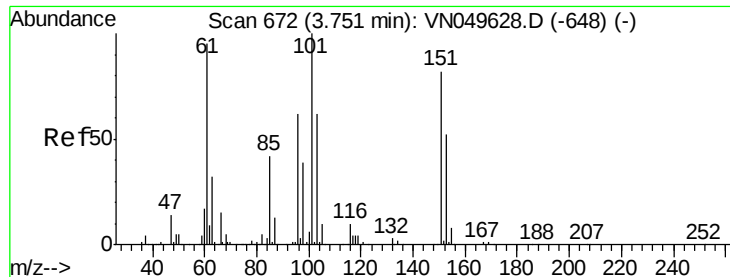
20000

0

Time-->



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.40 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

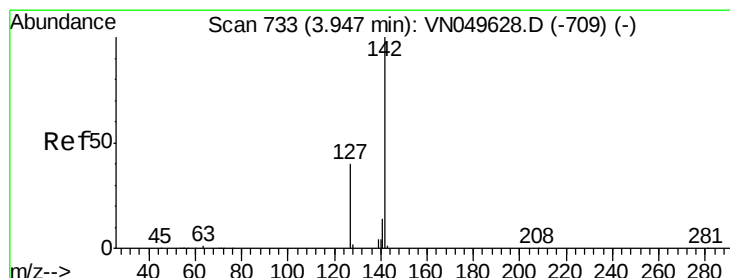
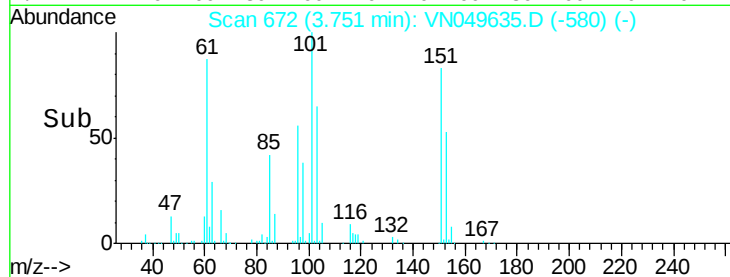
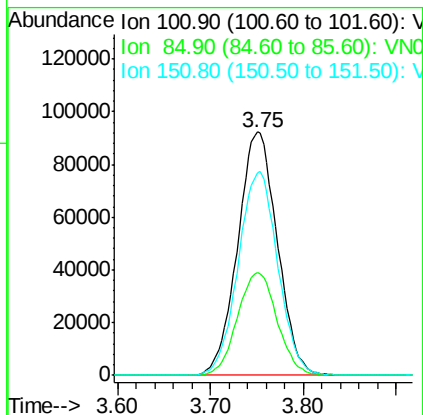
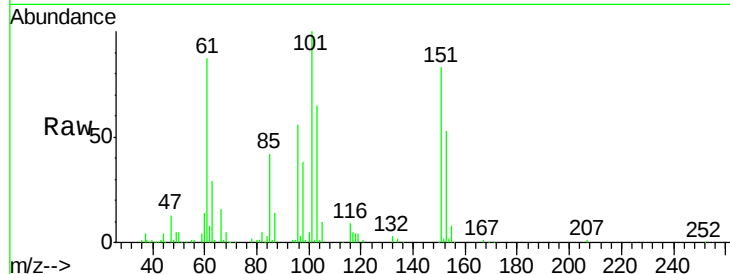
ClientSampled :

VN0629WBS01

Tot Ion:	101	Resp:	273902
Ion Ratio	Lower	Upper	
101	100		
85	42.2	37.6	56.4
151	83.7	61.1	91.7

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#10

Methyl Iodide

Concen: 16.86 ug/l

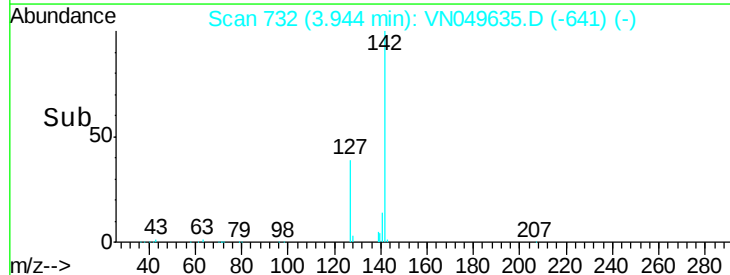
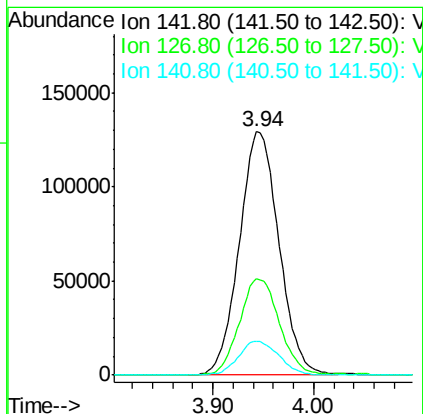
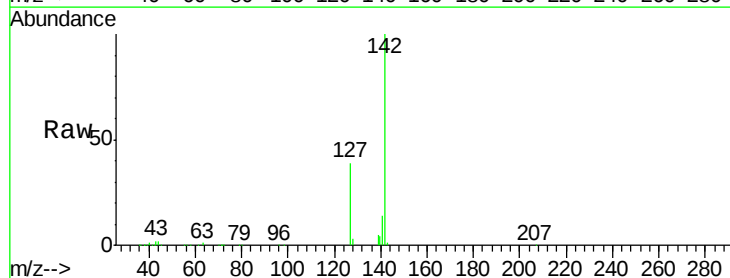
RT: 3.94 min Scan# 732

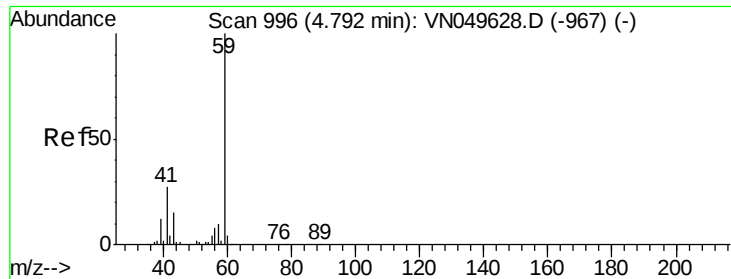
Delta R.T. -0.01 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion:	142	Resp:	352354
Ion Ratio	Lower	Upper	
142	100		
127	40.1	38.2	57.4
141	14.3	11.9	17.9





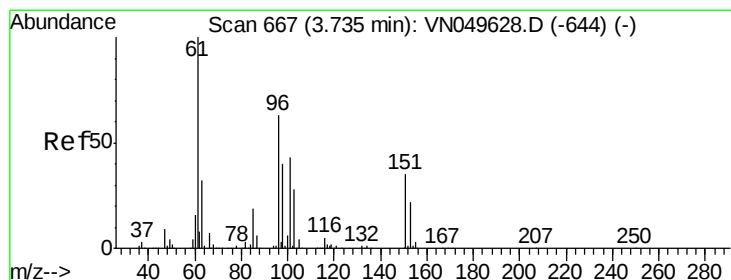
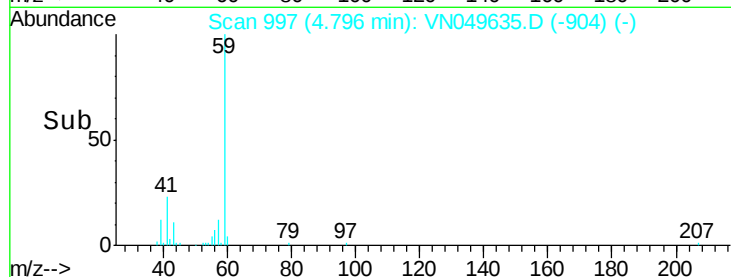
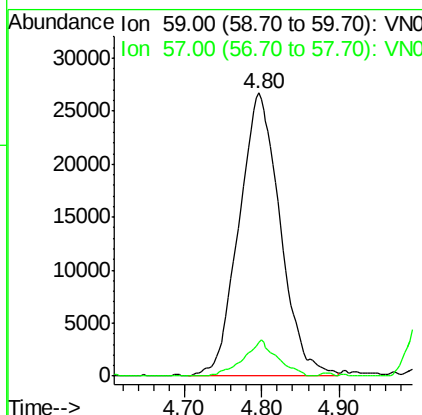
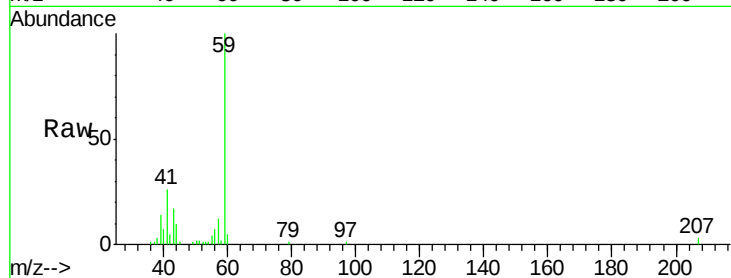
#11
Tert butyl alcohol
Concen: 96.95 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampled :
VN0629WBS01

Tot Ion	59	Resp	98758
Ion Ratio	100	Lower	Upper
57	10.5	9.0	13.6

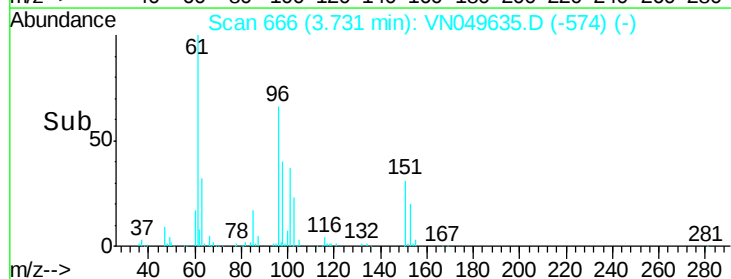
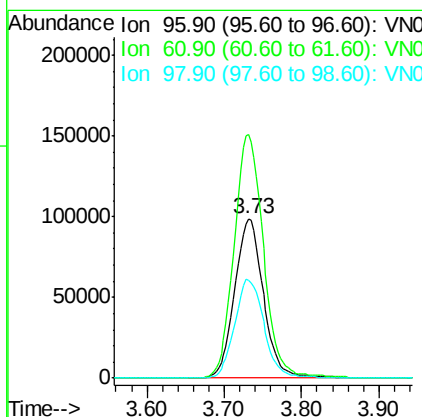
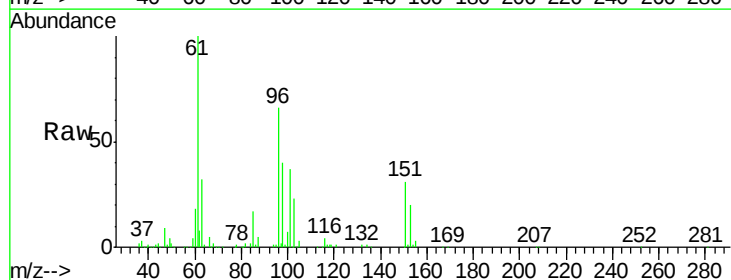
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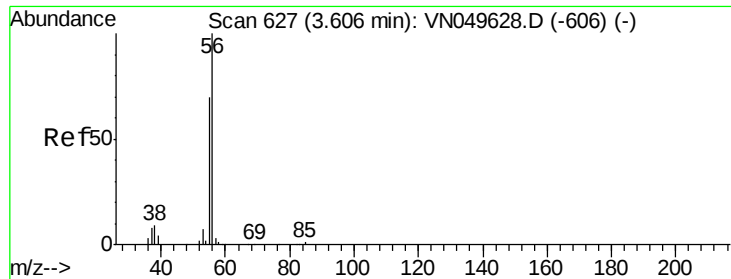
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#12
1,1-Dichloroethene
Concen: 16.12 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion	96	Resp	254558
Ion Ratio	100	Lower	Upper
61	152.5	141.0	211.4
98	61.5	50.4	75.6





#13

Acrolein

Concen: 88.74 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

VN0629WBS01

Tot Ion: 56 Resp: 84431

Ion Ratio Lower Upper

56 100

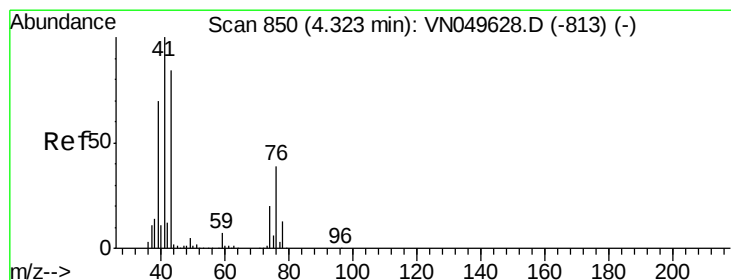
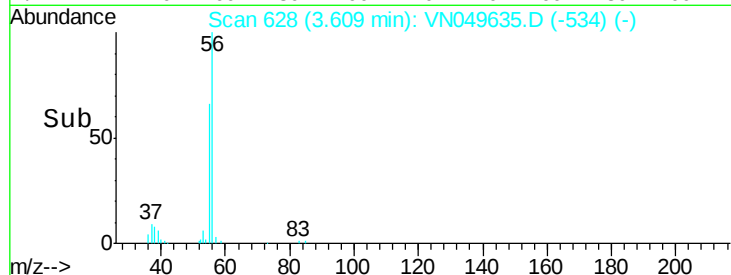
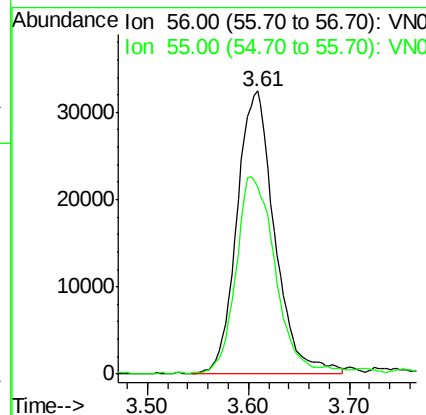
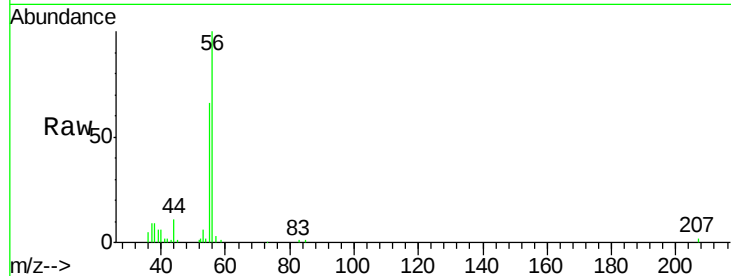
55 71.6 57.1 85.7

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#14

Allyl chloride

Concen: 16.88 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

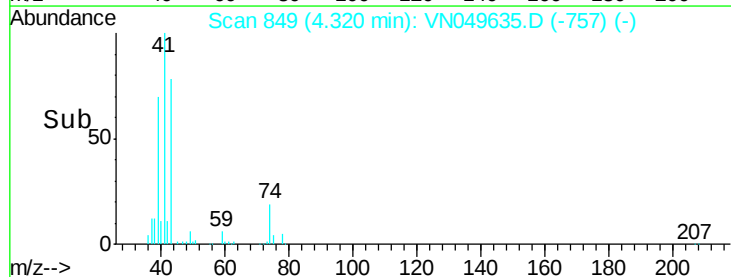
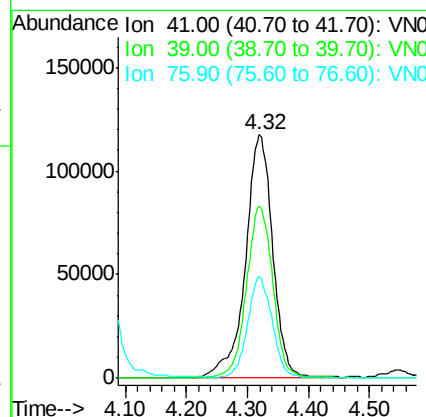
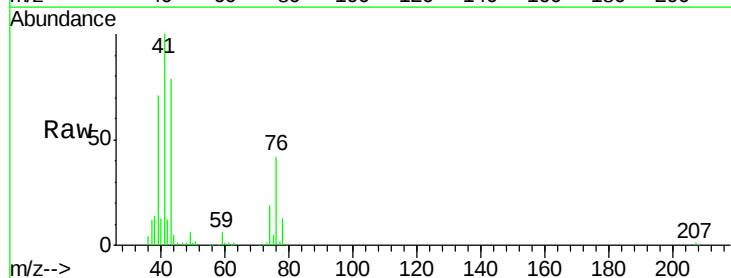
Tgt Ion: 41 Resp: 366136

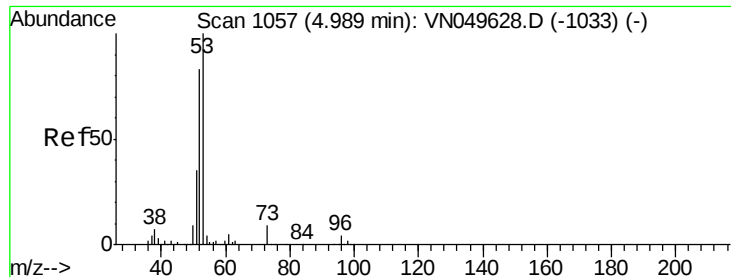
Ion Ratio Lower Upper

41 100

39 68.1 62.5 93.7

76 36.4 27.1 40.7





#15

Acrylonitrile

Concen: 87.92 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

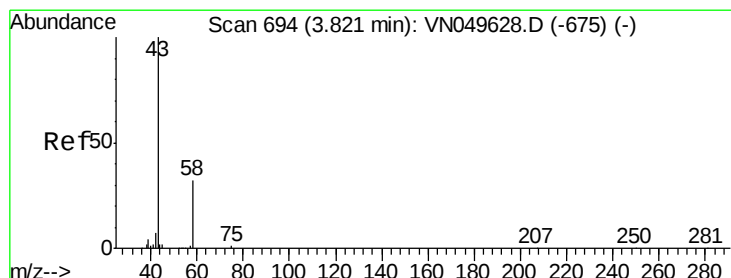
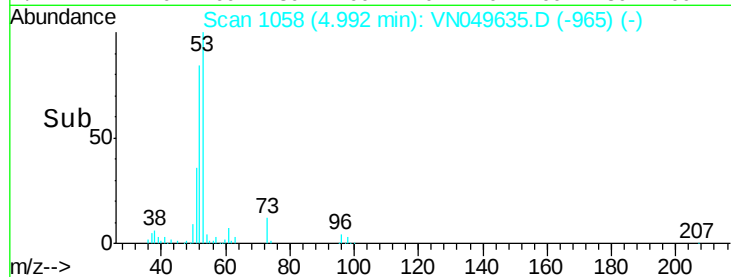
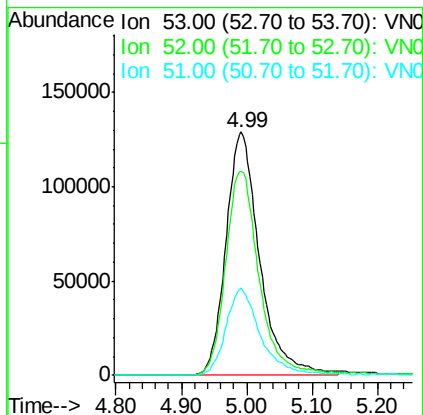
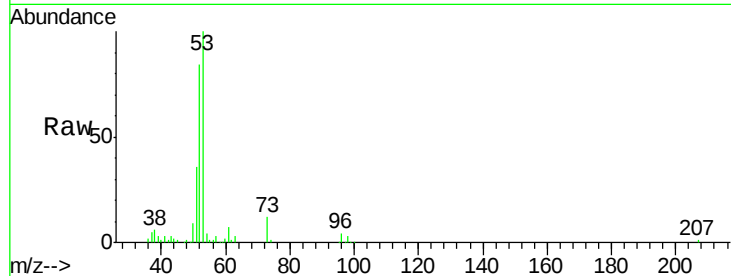
ClientSampled :

VN0629WBS01

Tot Ion:	53	Resp:	462526
Ion Ratio		Lower	Upper
53	100		
52	82.9	66.6	100.0
51	36.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 92.30 ug/l

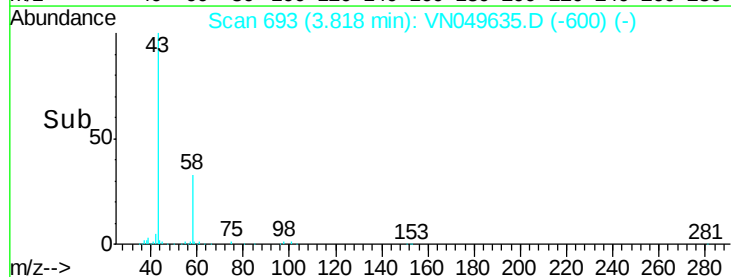
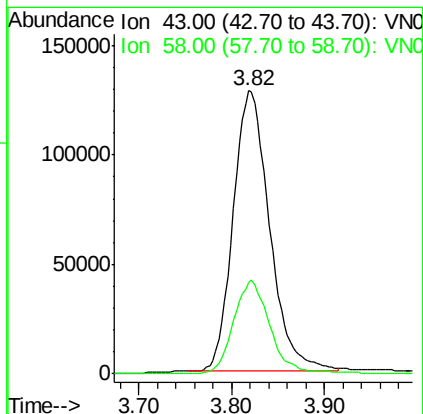
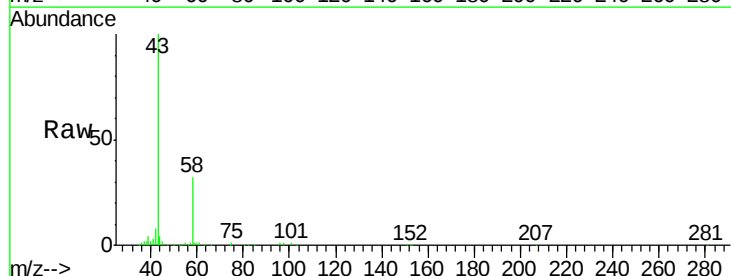
RT: 3.82 min Scan# 693

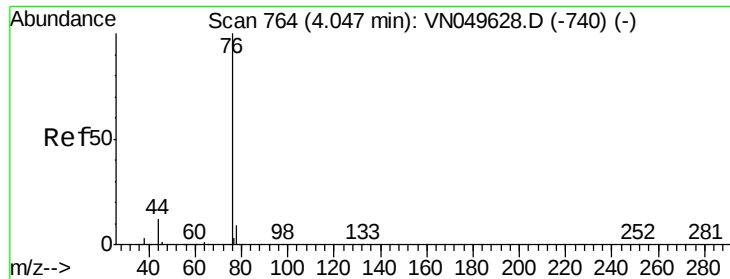
Delta R.T. 0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion:	43	Resp:	350610
Ion Ratio		Lower	Upper
43	100		
58	32.7	22.4	33.6





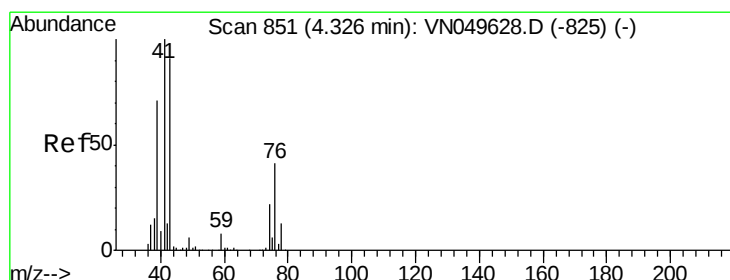
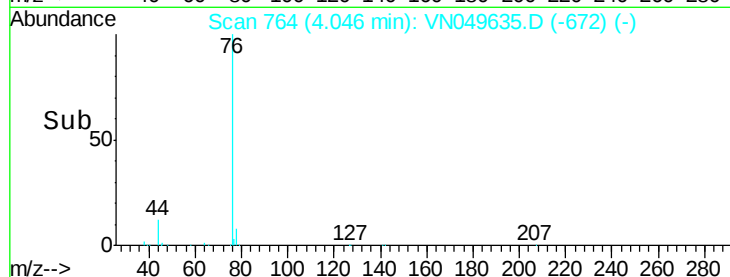
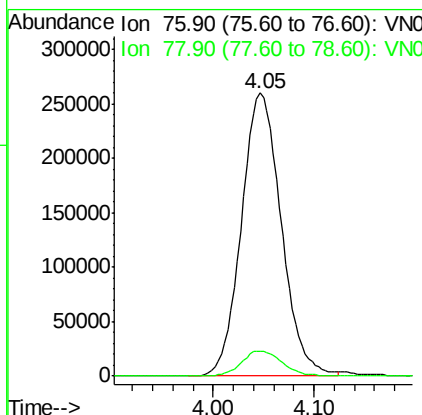
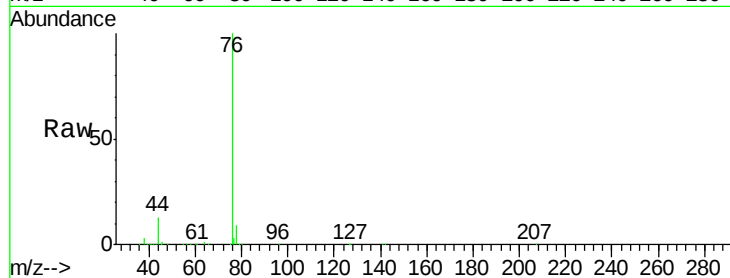
#17
Carbon Disulfide
Concen: 16.17 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

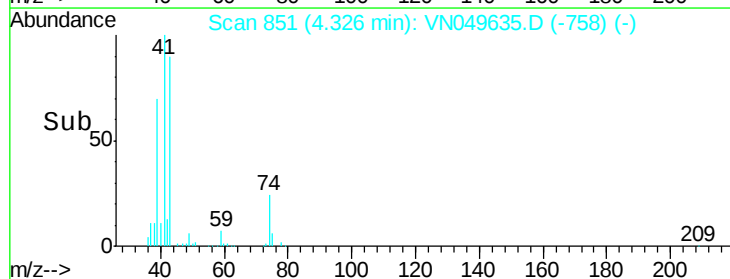
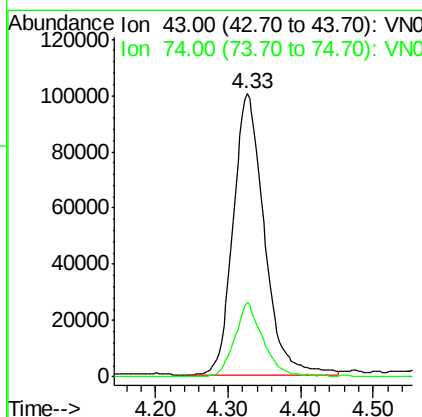
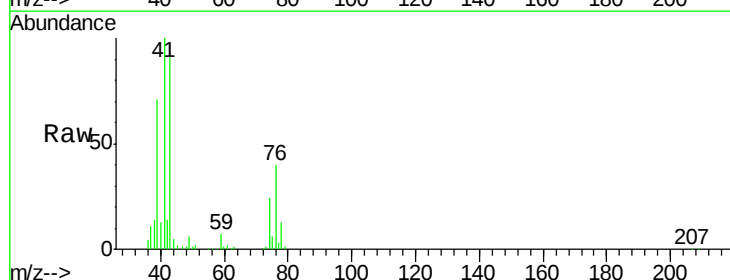
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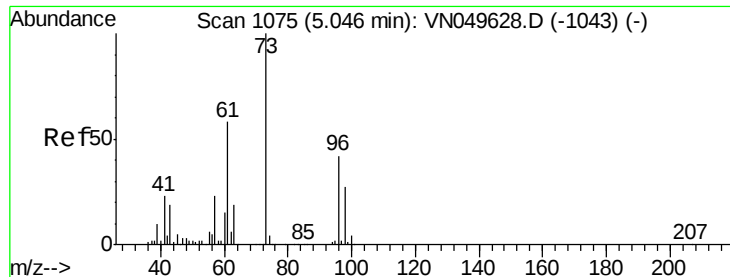
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#18
Methyl Acetate
Concen: 15.24 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	17.4	26.0





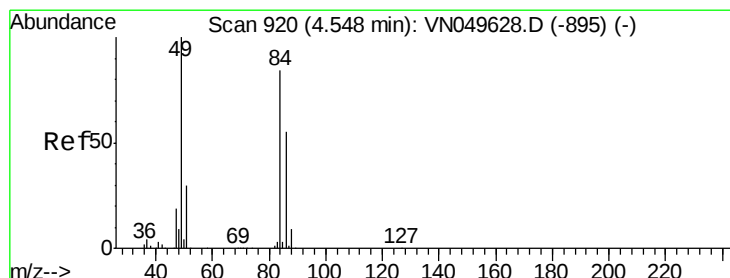
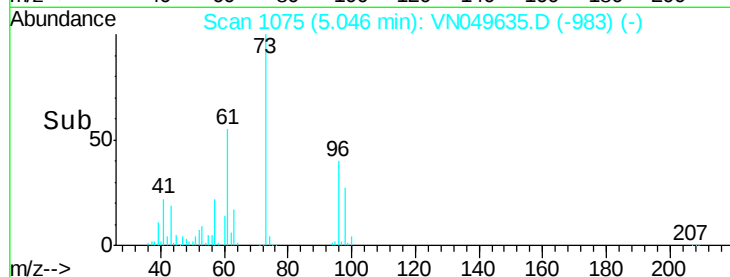
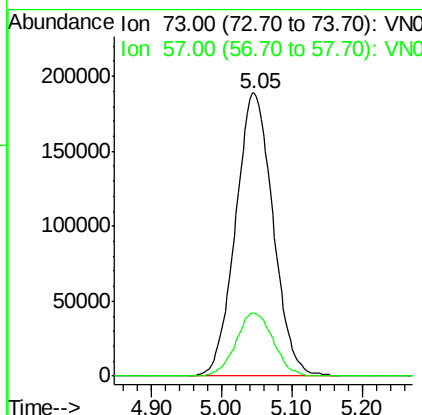
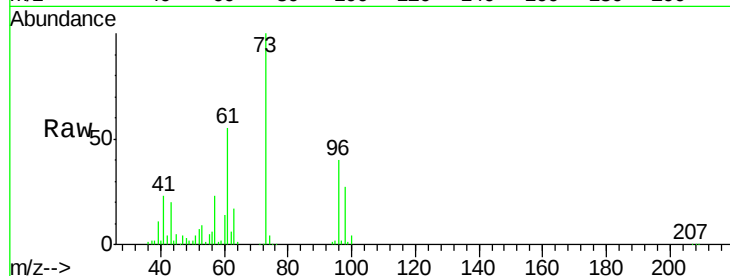
#19
Methvl tert-butvl Ether
Concen: 17.19 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBS01

Tot Ion: 73 Resp: 699429
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4

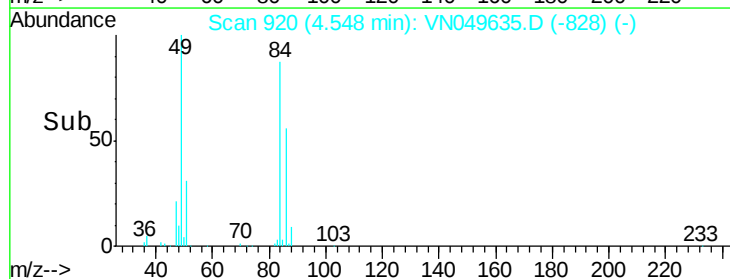
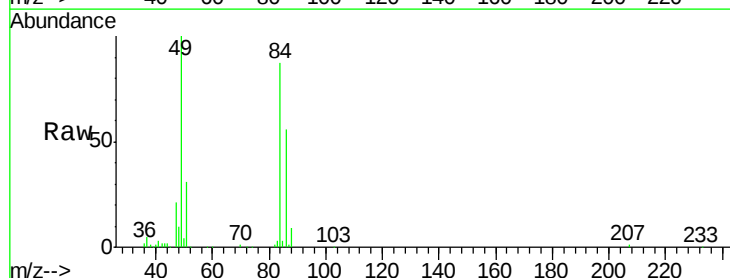
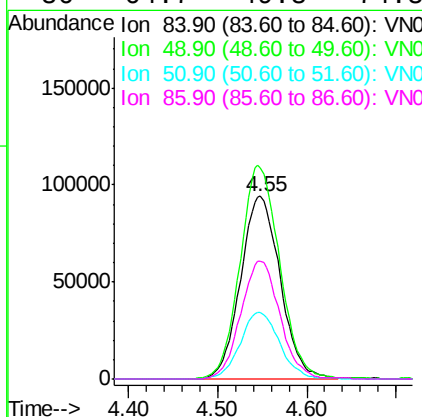
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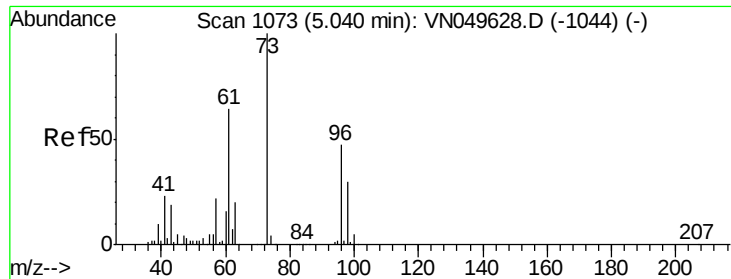
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#20
Methylene Chloride
Concen: 15.97 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion: 84 Resp: 291888
Ion Ratio Lower Upper
84 100
49 115.2 106.9 160.3
51 36.1 32.7 49.1
86 64.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 16.13 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

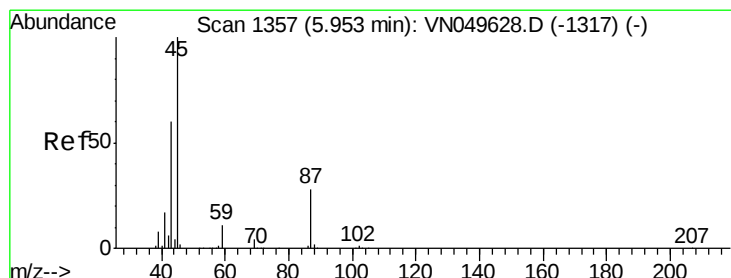
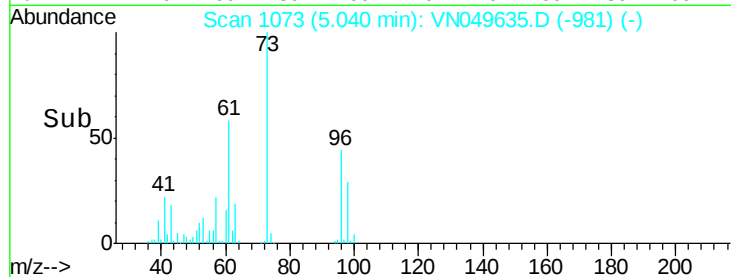
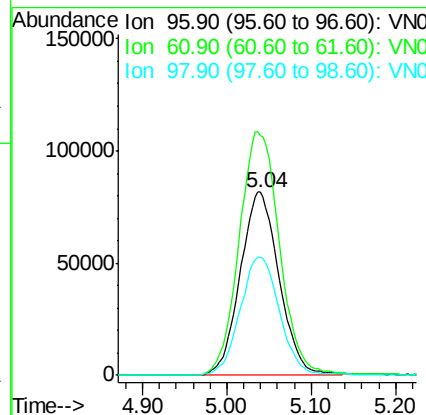
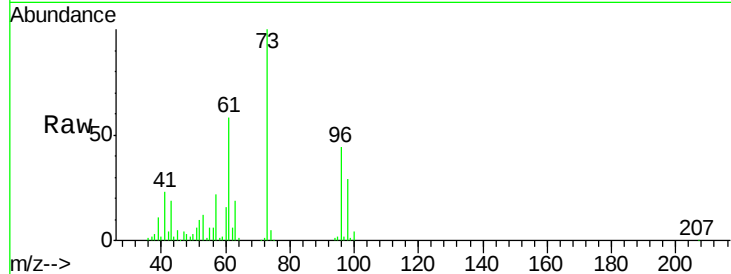
ClientSampled :

VN0629WBS01

Tot Ion:	96	Resp:	262089
Ion	Ratio	Lower	Upper
96	100		
61	131.0	121.3	181.9
98	64.7	52.0	78.0

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#22

Diisopropyl ether

Concen: 16.80 ug/l

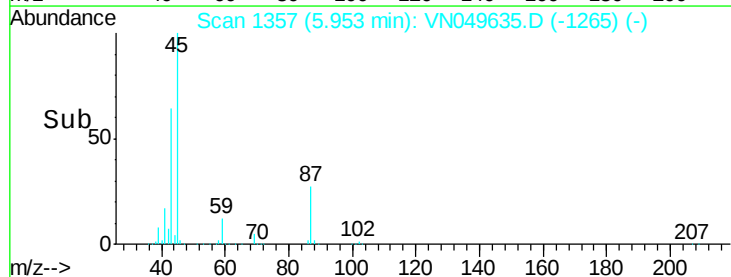
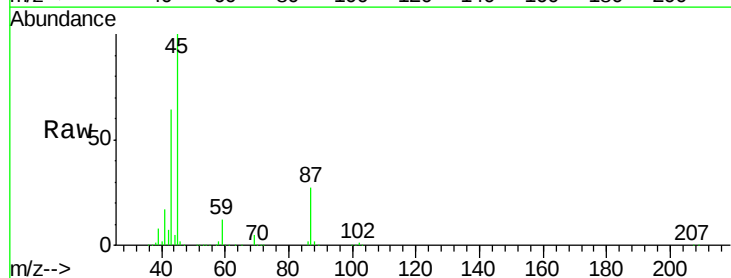
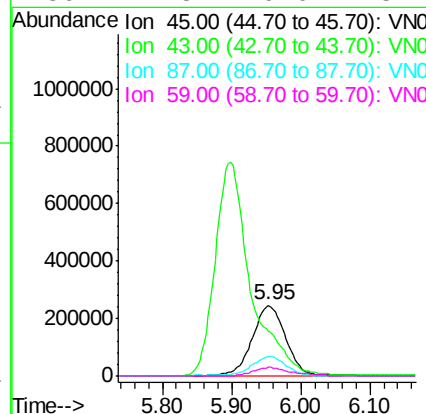
RT: 5.95 min Scan# 1357

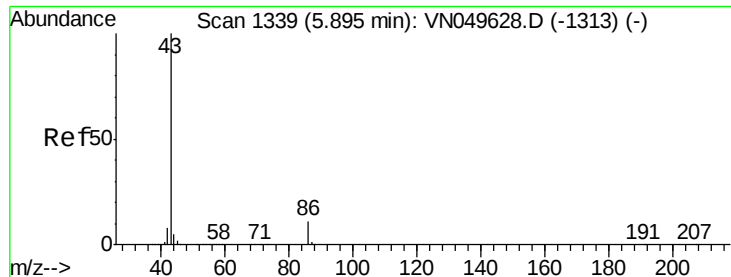
Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion:	45	Resp:	824141
Ion	Ratio	Lower	Upper
45	100		
43	62.3	48.6	72.8
87	27.1	20.2	30.2
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 83.88 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

VN0629WBS01

Tot Ion: 43 Resp: 2668802

Ion Ratio Lower Upper

43 100

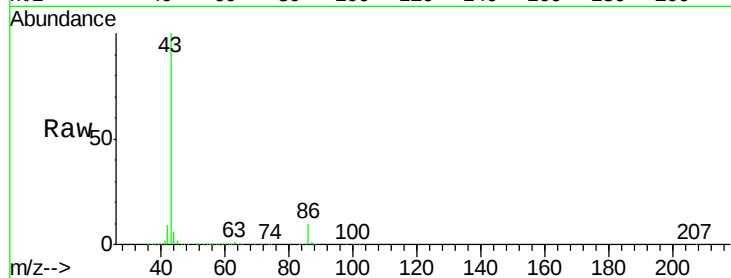
86 10.5 7.2 10.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

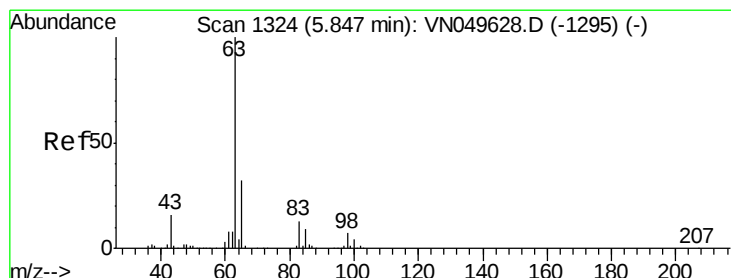
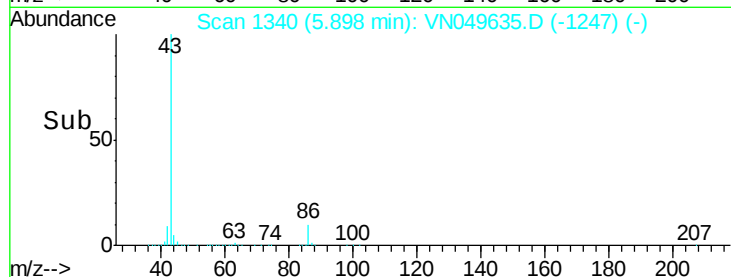
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 16.65 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

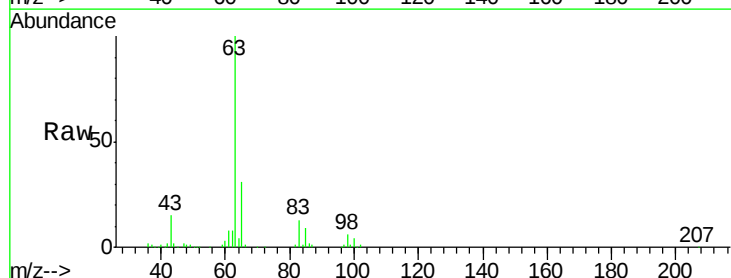
Tgt Ion: 63 Resp: 514629

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 4.1 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

200000

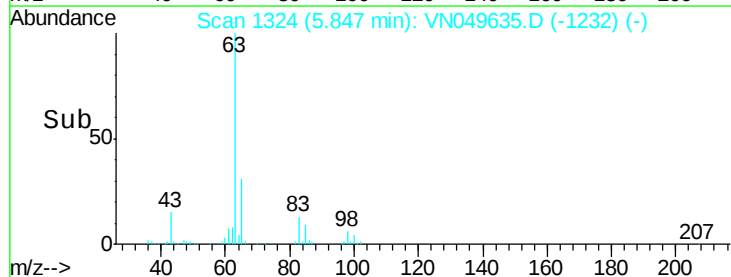
150000

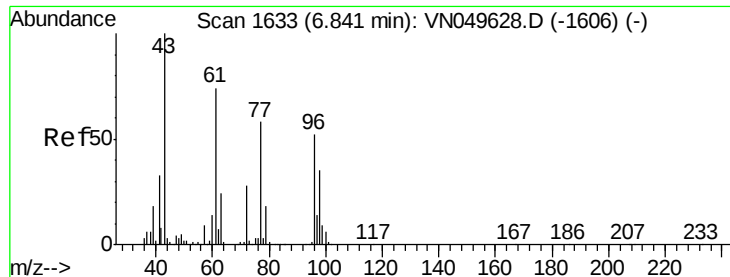
100000

50000

0

Time-->





#25

2-Butanone

Concen: 89.99 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBS01

Tot Ion: 43 Resp: 530310

Ion Ratio Lower Upper

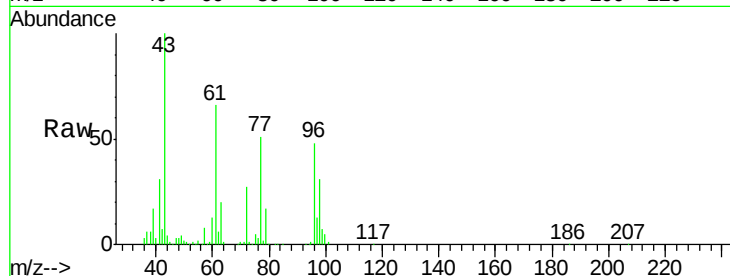
43 100

72 27.4 20.2 30.2

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

200000

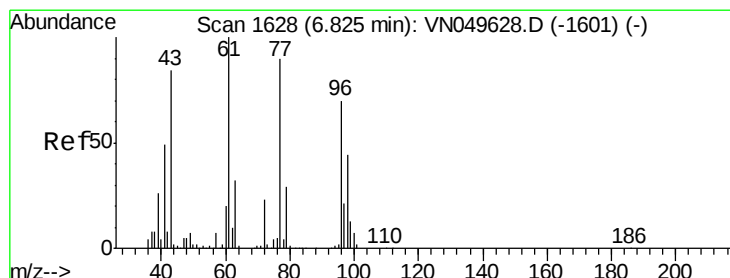
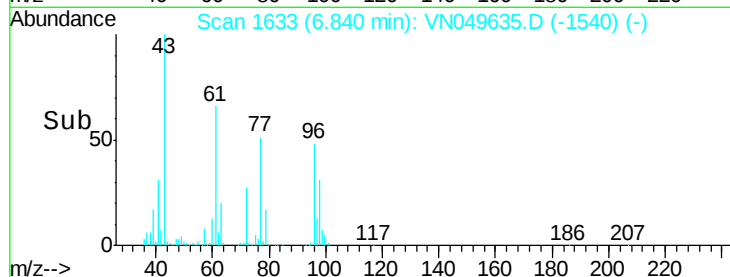
150000

100000

50000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 16.43 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VN049635.D

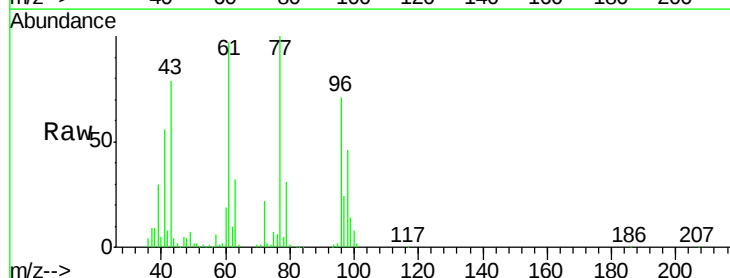
Acq: 29 Jun 2018 16:58

Tgt Ion: 77 Resp: 421864

Ion Ratio Lower Upper

77 100

97 23.5 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

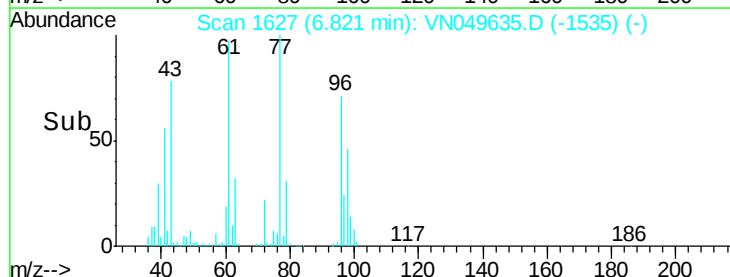
150000

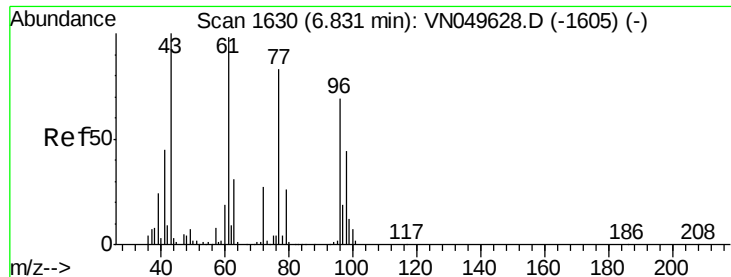
100000

50000

0

Time--> 6.70 6.80 6.90





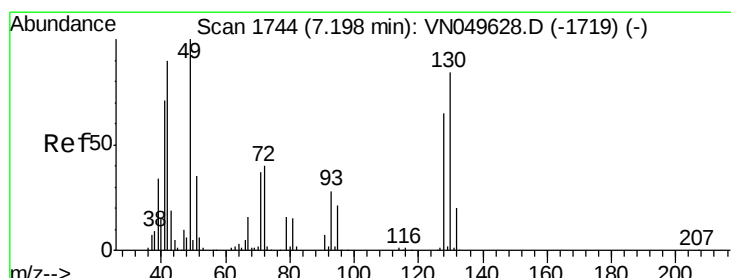
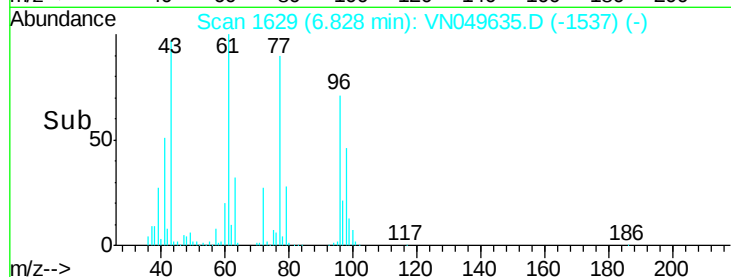
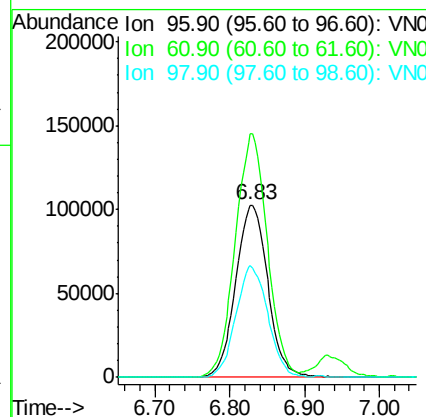
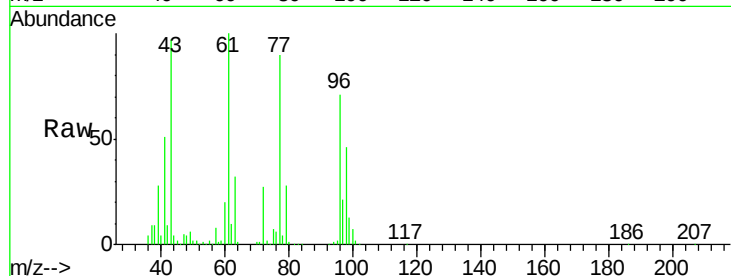
#27
 cis-1,2-Dichloroethene
 Concen: 16.90 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	306768		
61	141.1	0.0	316.4	
98	64.5	0.0	128.4	

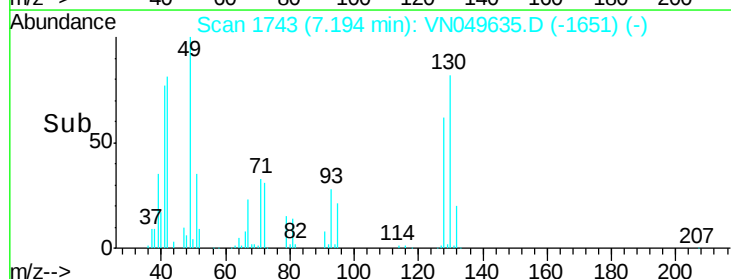
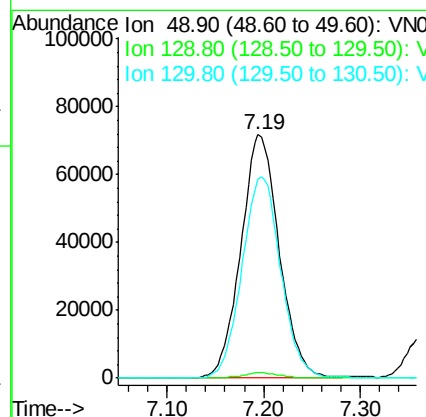
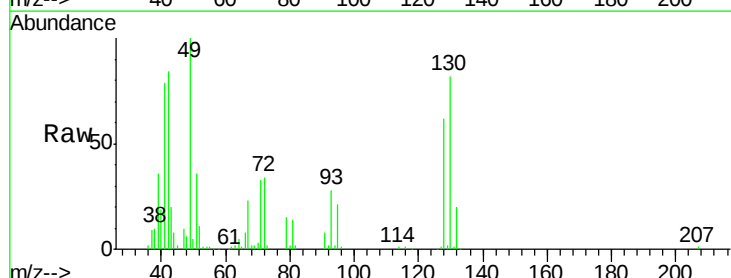
Manual Integrations
 APPROVED

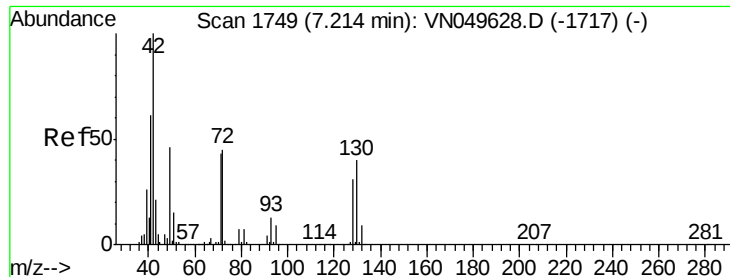
apatel
 7/2/2018 2:19:50 PM



#28
 Bromochloromethane
 Concen: 15.07 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	197719		
129	2.0	0.0	3.8	
130	83.6	54.9	82.3#	





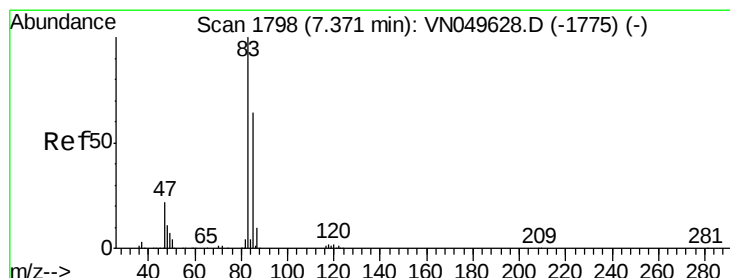
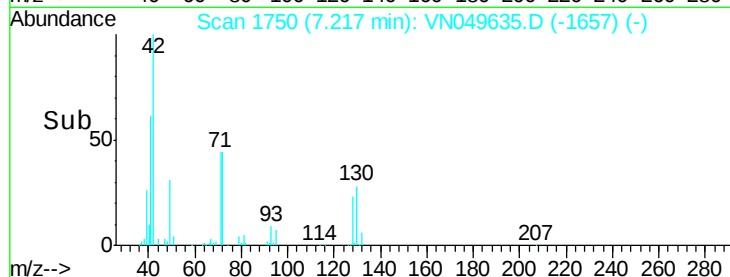
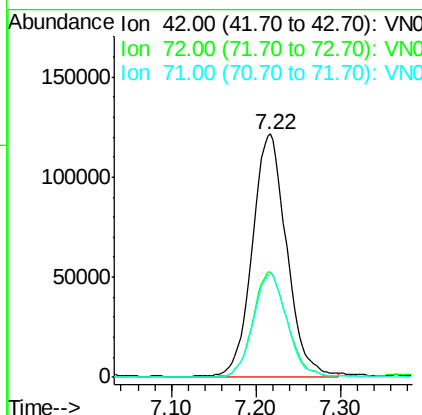
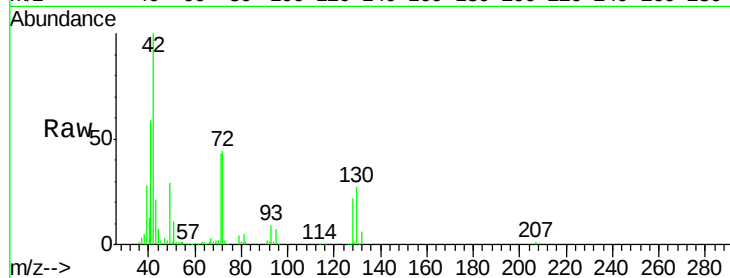
#29
Tetrahydrofuran
Concen: 90.98 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	32.2	48.4
71	42.1	30.5	45.7

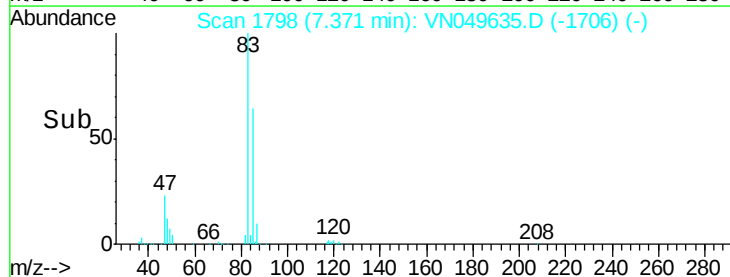
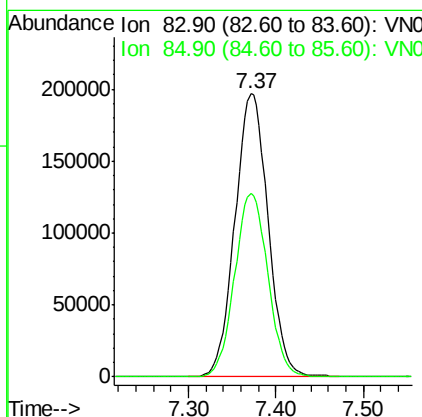
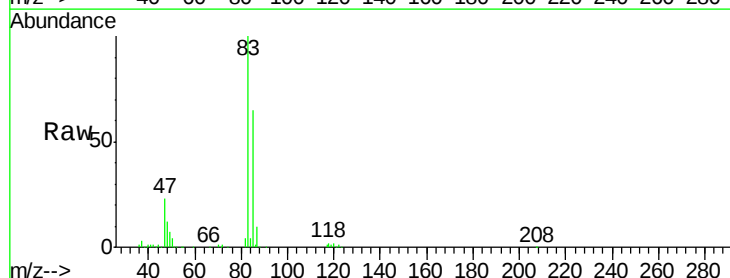
Manual Integrations
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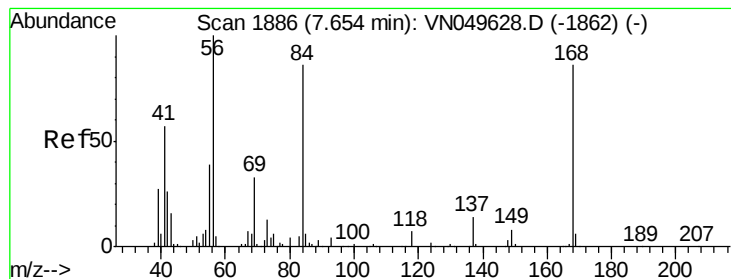
apatel
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#30
Chloroform
Concen: 16.47 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5





#31

Cyclohexane

Concen: 15.78 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

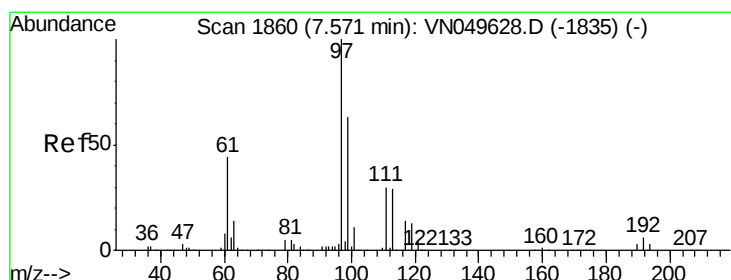
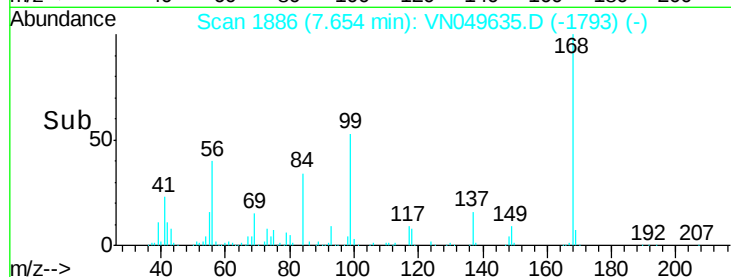
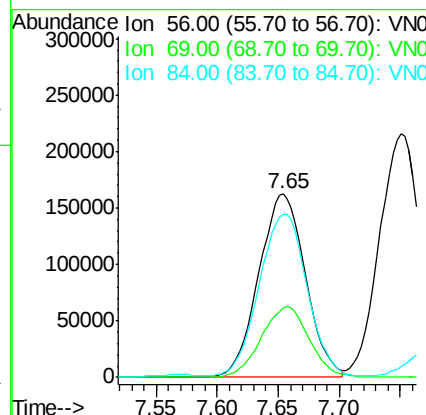
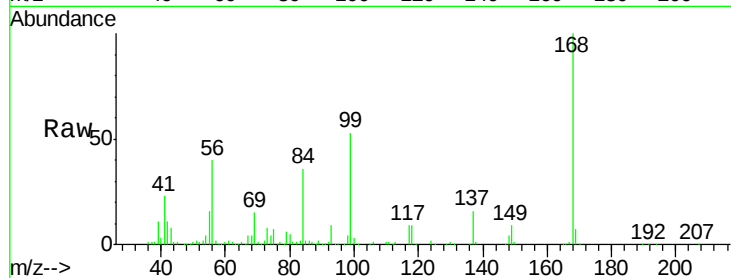
VN0629WBS01

Tot Ion: 56 Resp: 431660

Ion	Ratio	Lower	Upper
56	100		
69	37.7	25.0	37.4#
84	87.7	64.6	96.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 16.50 ug/l

RT: 7.57 min Scan# 1859

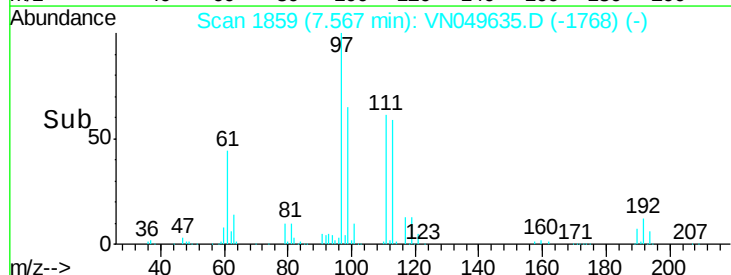
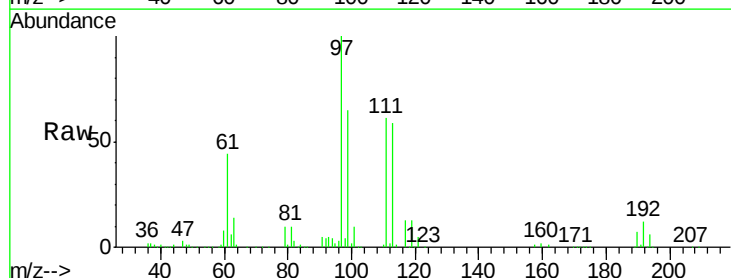
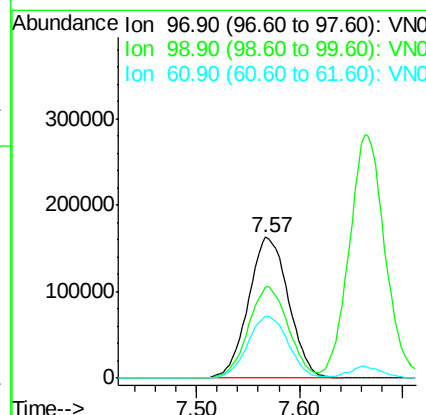
Delta R.T. -0.01 min

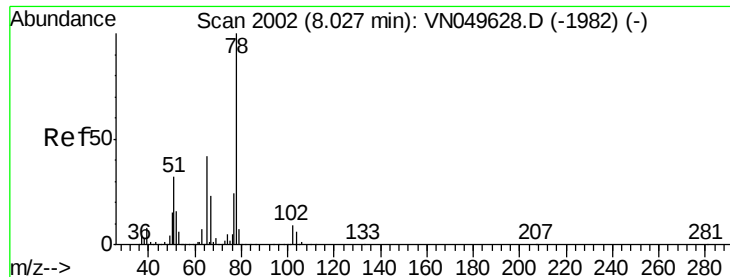
Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion: 97 Resp: 440043

Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.5	75.7
61	44.3	37.9	56.9





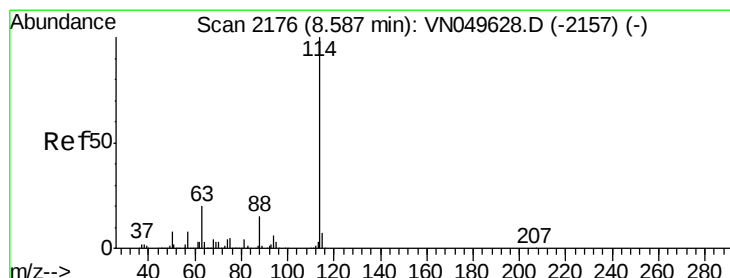
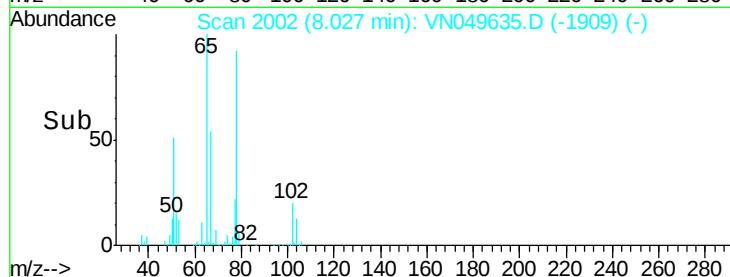
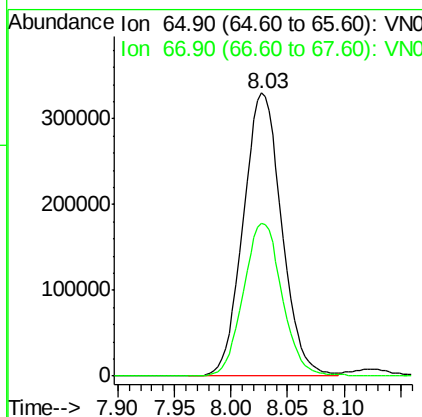
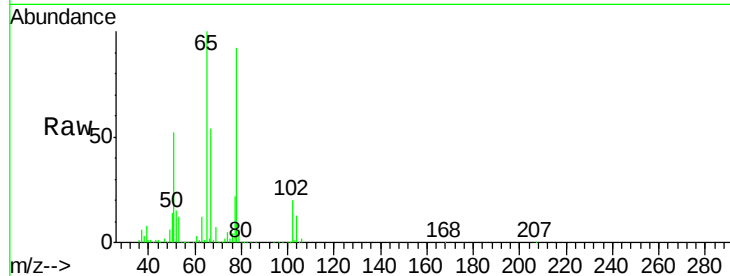
#33
 1,2-Dichloroethane-d4
 Concen: 44.02 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	103.8	

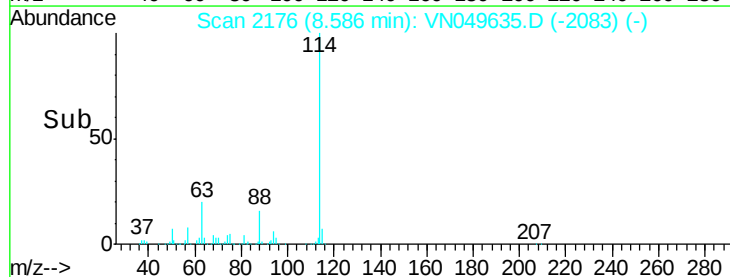
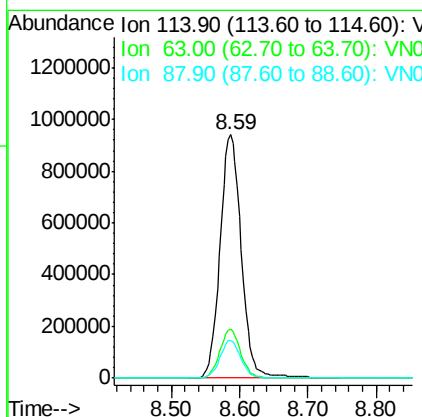
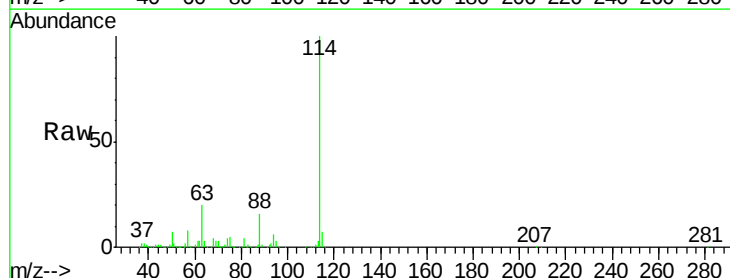
Manual Integrations
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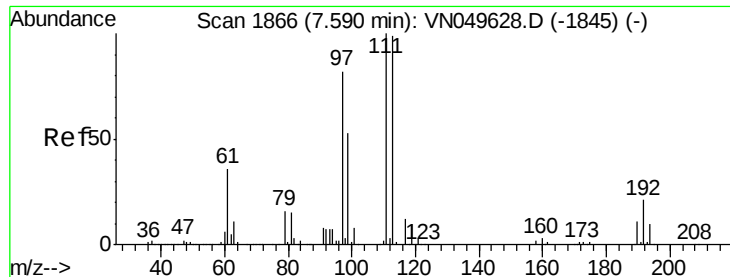
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	44.4	
88	15.5	0.0	31.4	





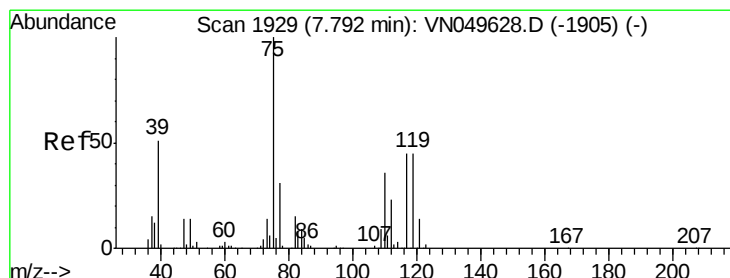
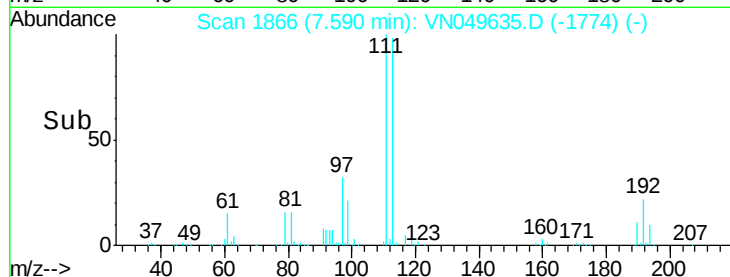
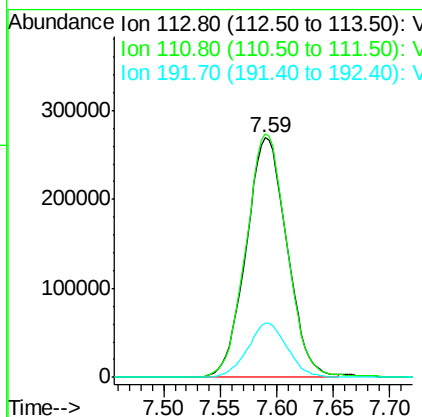
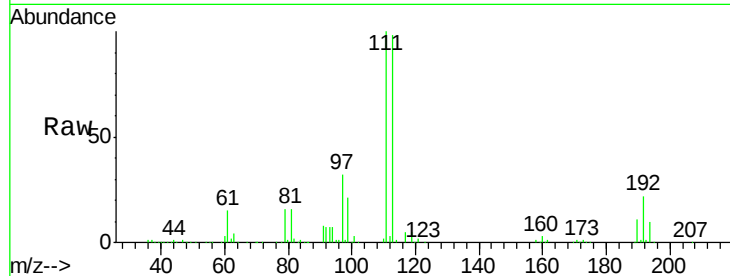
#35
Dibromofluoromethane
Concen: 44.53 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.4	123.6
192	22.1	15.0	22.6

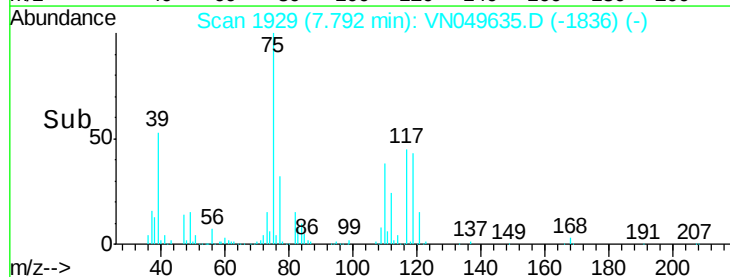
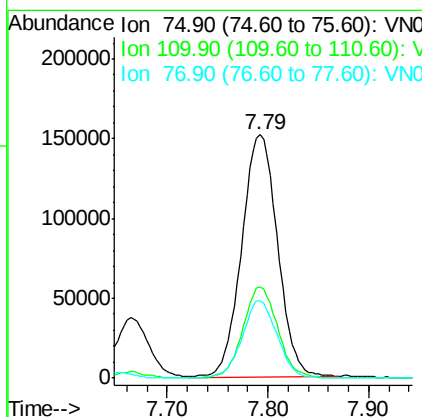
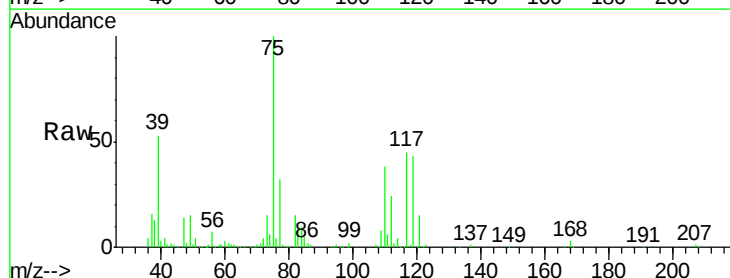
Manual Integrations
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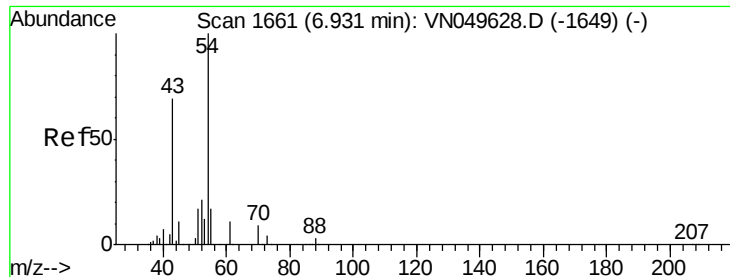
apatel
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#36
1,1-Dichloropropene
Concen: 16.35 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.0	50.9
77	31.3	24.4	36.6





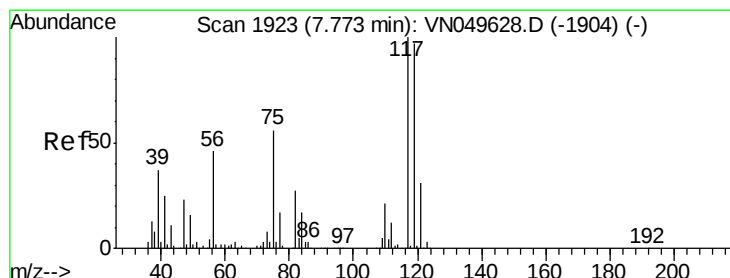
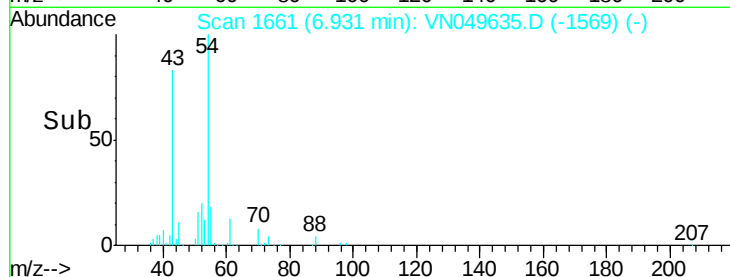
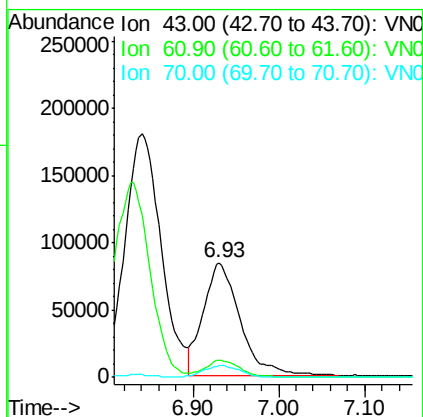
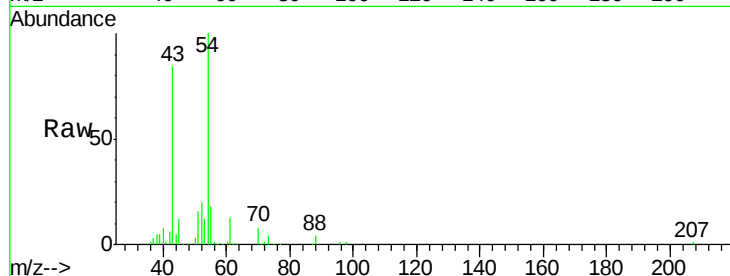
#37
Ethyl Acetate
Concen: 18.88 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampled :
VN0629WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	9.3	7.2	10.8

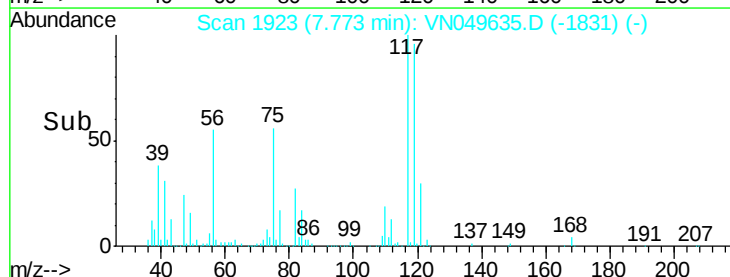
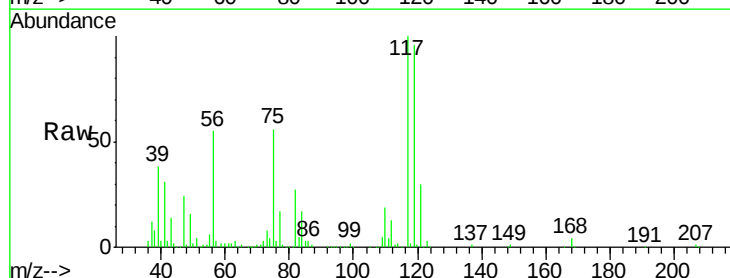
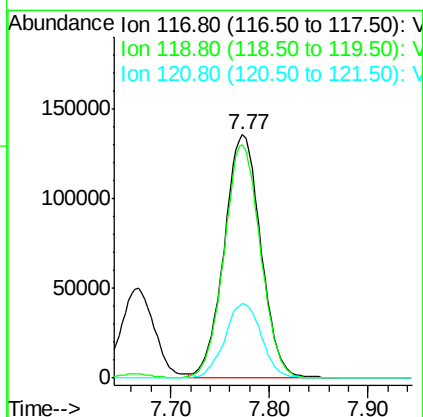
Manual Integrations
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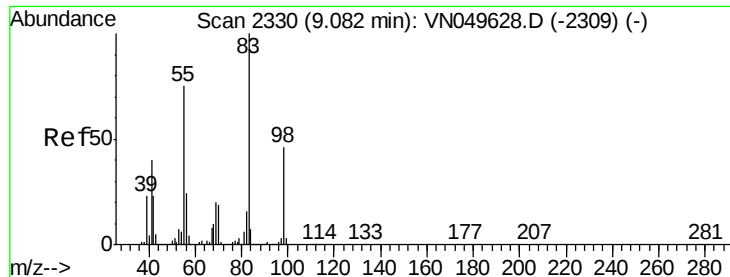
apatel
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#38
Carbon Tetrachloride
Concen: 15.74 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.6	113.4
121	30.5	24.7	37.1





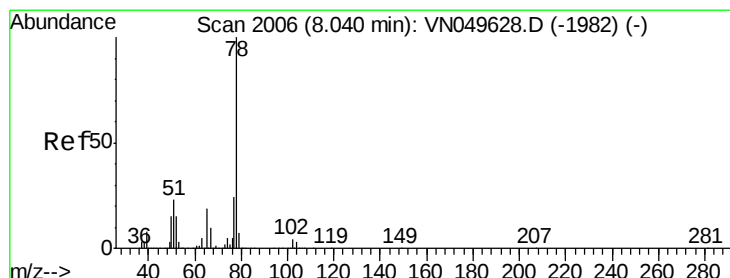
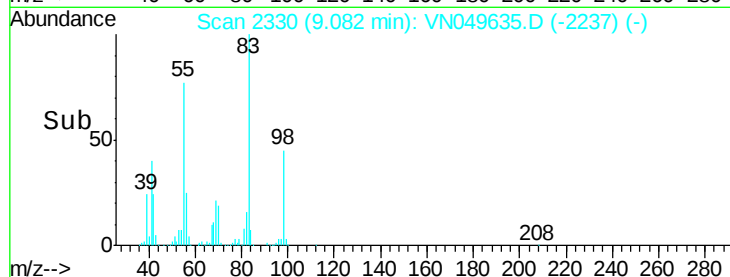
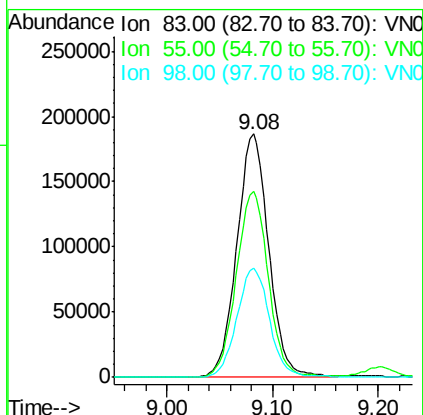
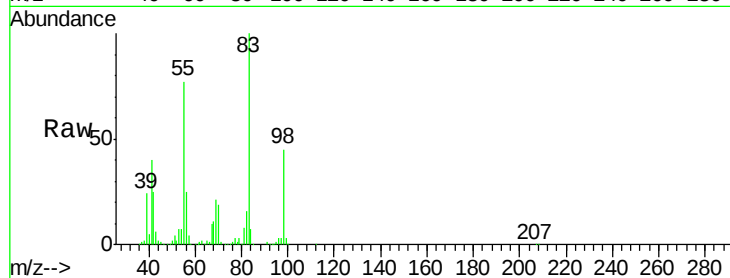
#39
Methvlcvclohexane
Concen: 15.66 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	65.1	97.7
98	44.8	36.5	54.7

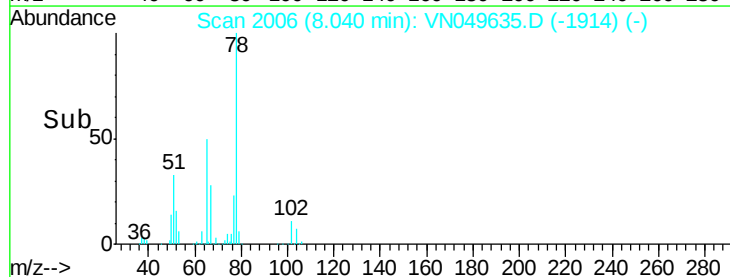
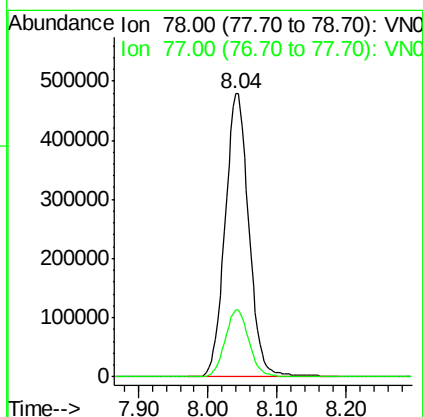
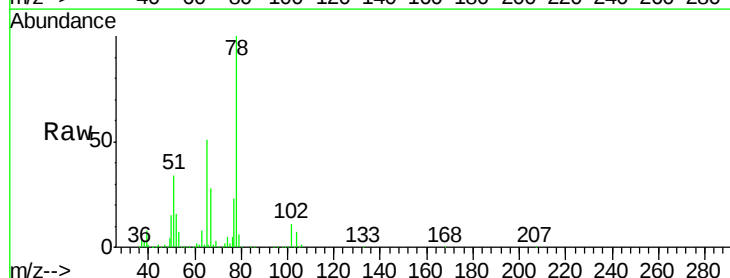
Manual Integrations
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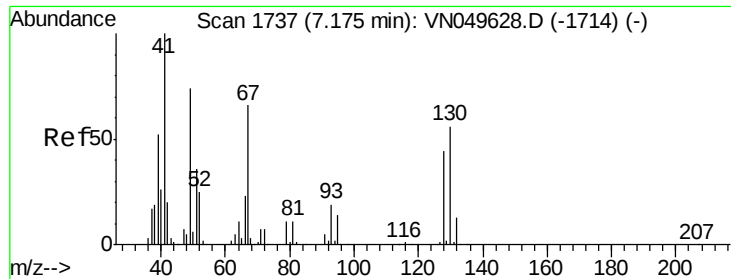
apatel
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#40
Benzene
Concen: 16.47 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





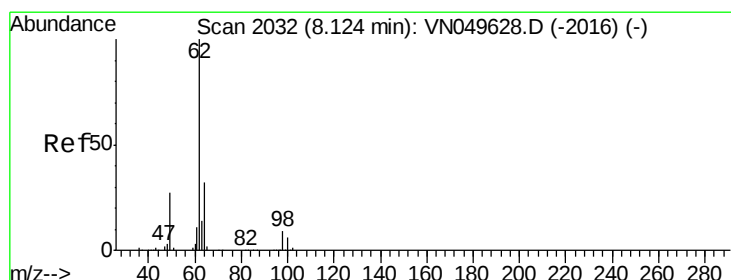
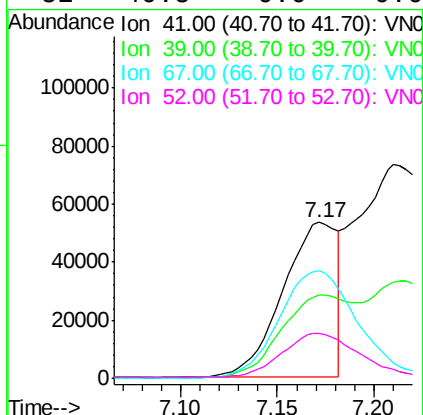
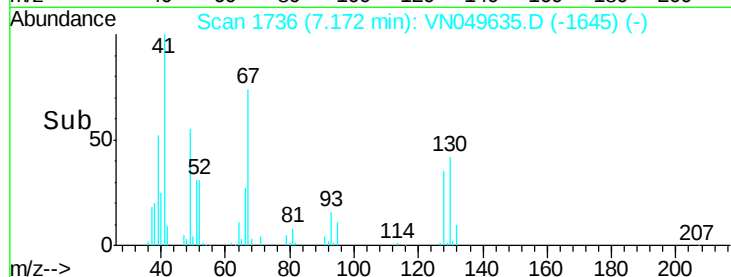
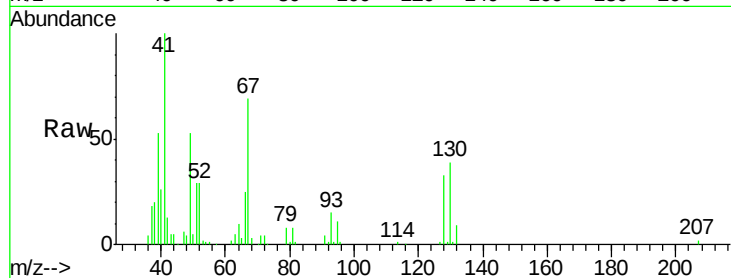
#41
Methacrylonitrile
Concen: 14.64 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampled :
VN0629WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.5	0.0	0.0#
67	101.2	0.0	0.0#
52	40.5	0.0	0.0#

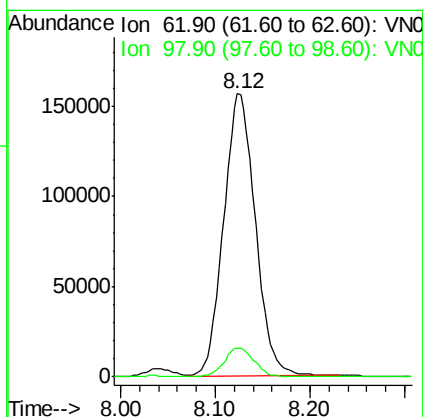
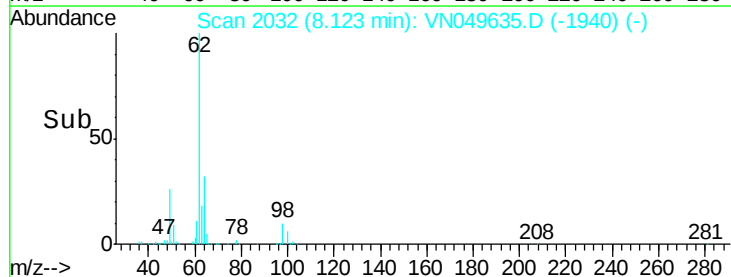
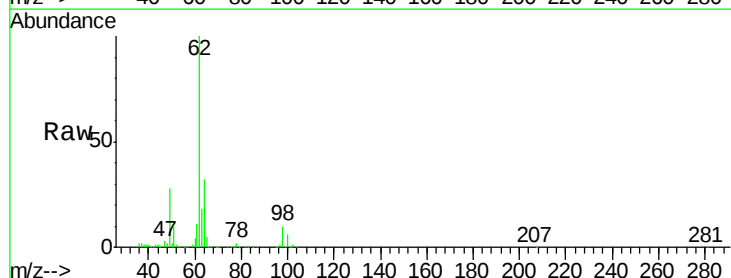
Manual Integrations
APPROVED

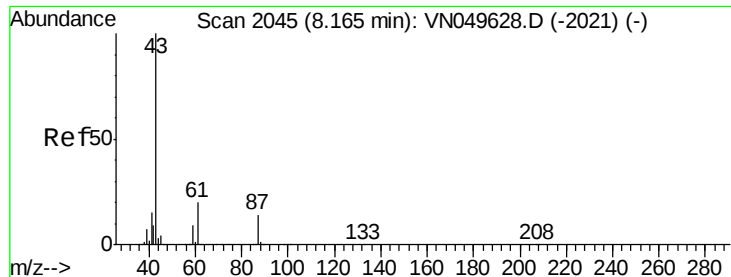
apatel
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#42
1,2-Dichloroethane
Concen: 16.39 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	16.2





#43

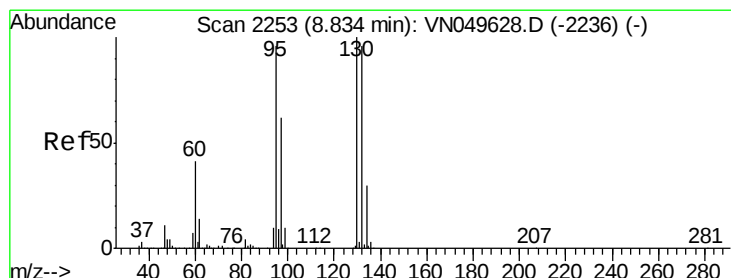
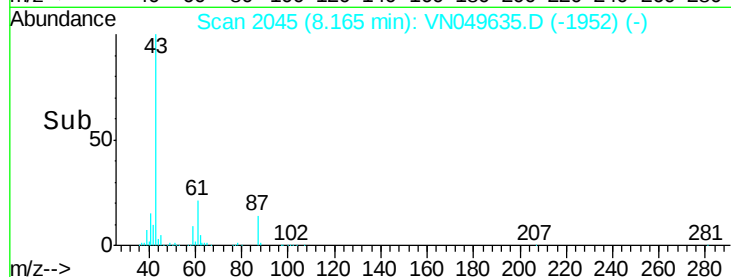
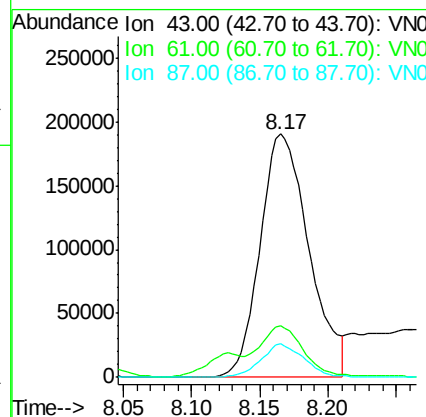
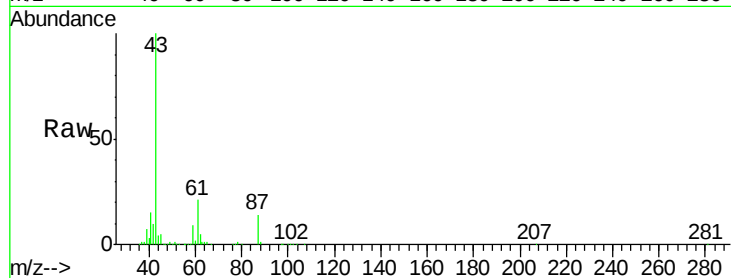
Isopropyl Acetate
 Concen: 17.42 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.2	21.4
87	12.3	9.4	14.0

Manual Integrations
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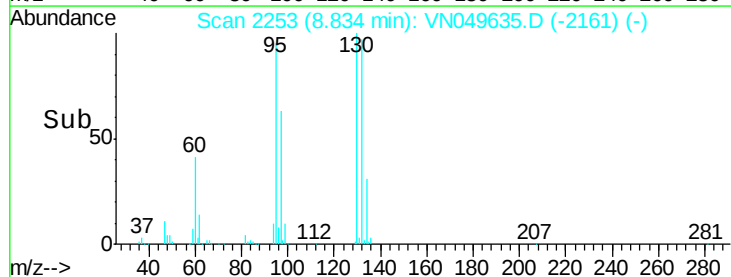
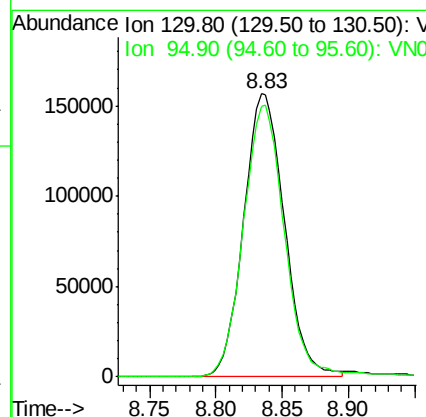
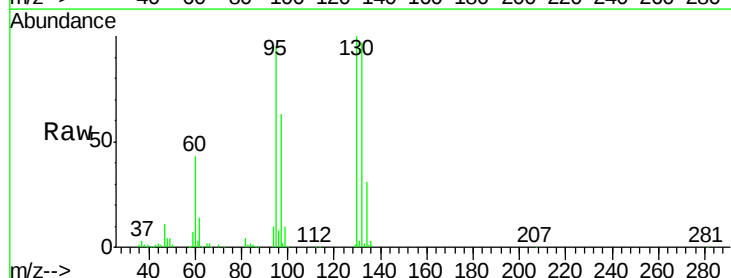
apatel
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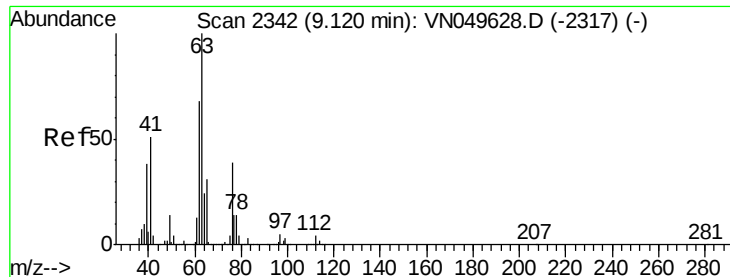


#44

Trichloroethene
 Concen: 15.98 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	208.6





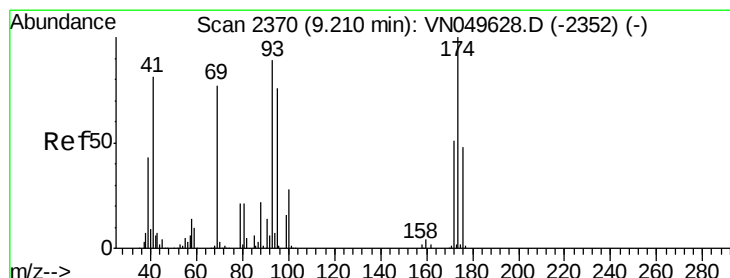
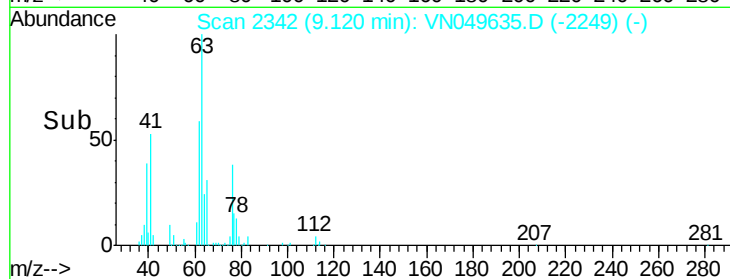
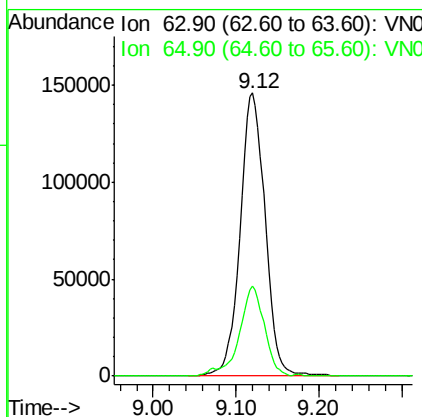
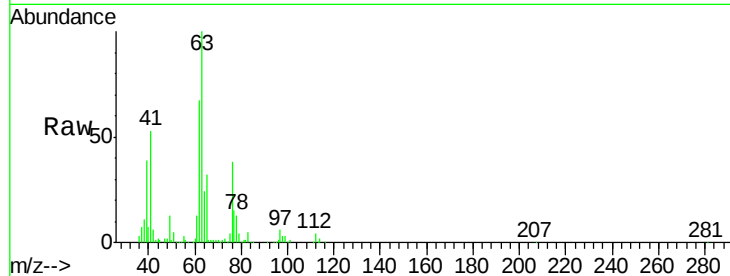
#45
 1,2-Dichloropropane
 Concen: 17.02 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.8	37.2

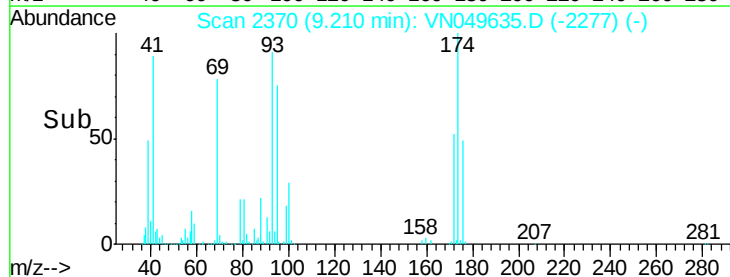
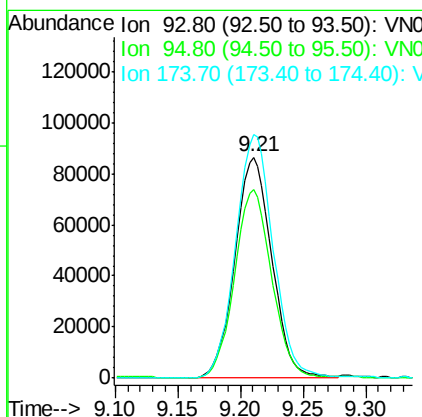
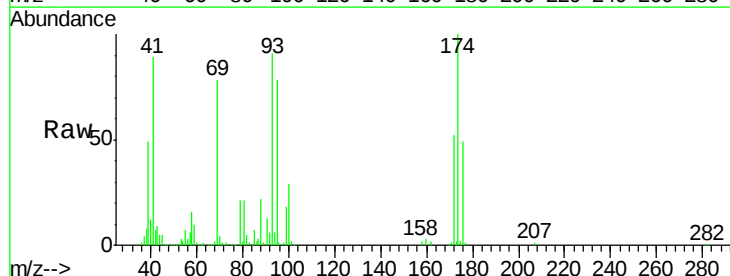
Manual Integrations
 APPROVED

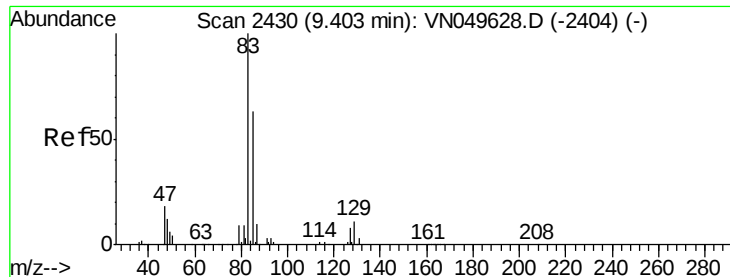
apatel
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#46
 Dibromomethane
 Concen: 16.28 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.4	67.2	100.8
174	112.5	75.6	113.4





#47

Bromodichloromethane

Concen: 16.27 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

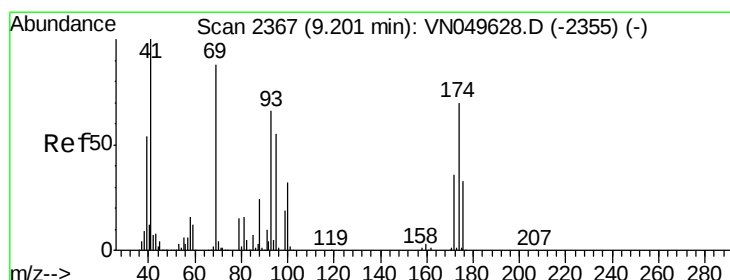
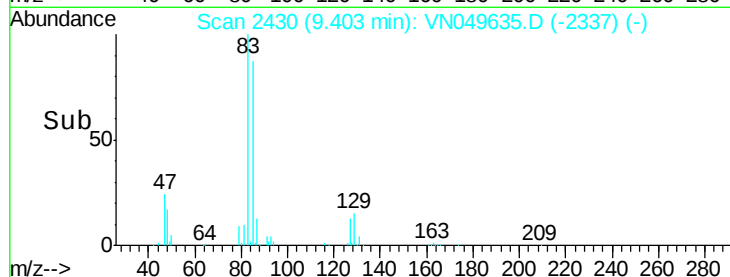
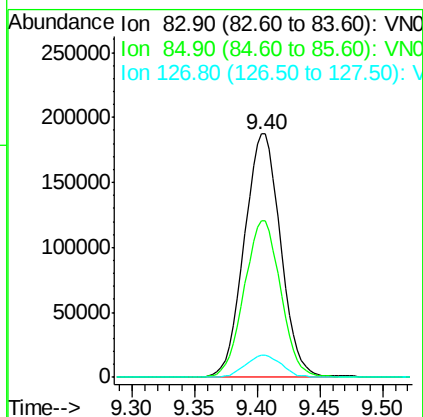
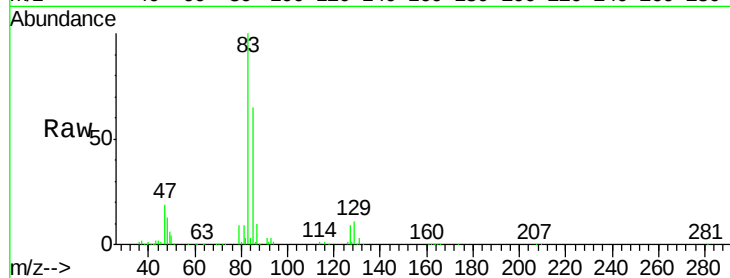
ClientSampled :

VN0629WBS01

Tot Ion:	83	Resp:	378107
Ion Ratio	Lower	Upper	
83	100		
85	64.5	49.4	74.0
127	9.3	6.3	9.5

Manual Integrations
APPROVED

apatel
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#48

Methyl methacrylate

Concen: 17.52 ug/l

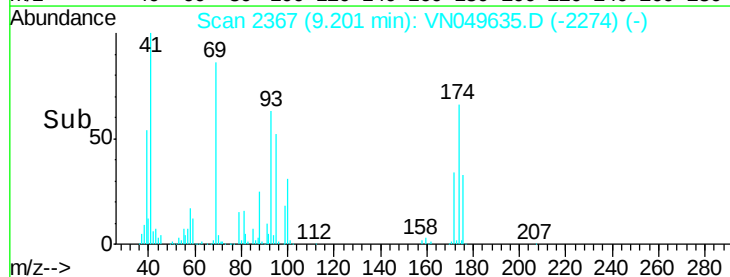
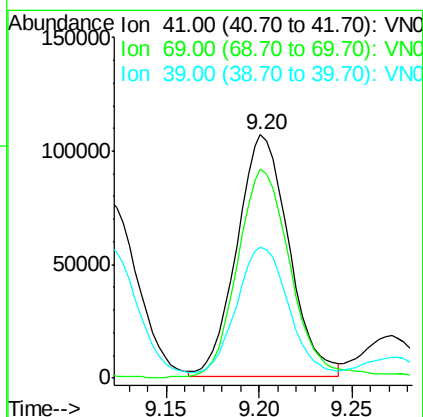
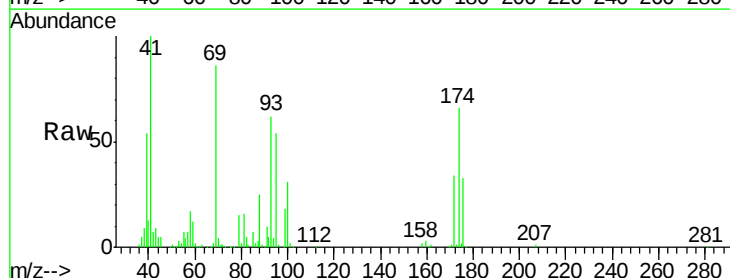
RT: 9.20 min Scan# 2367

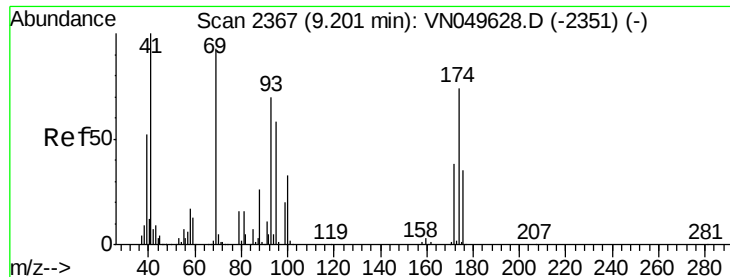
Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion:	41	Resp:	207733
Ion Ratio	Lower	Upper	
41	100		
69	89.0	62.0	93.0
39	55.0	50.6	75.8





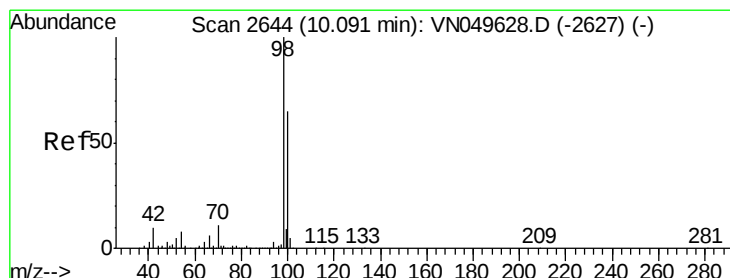
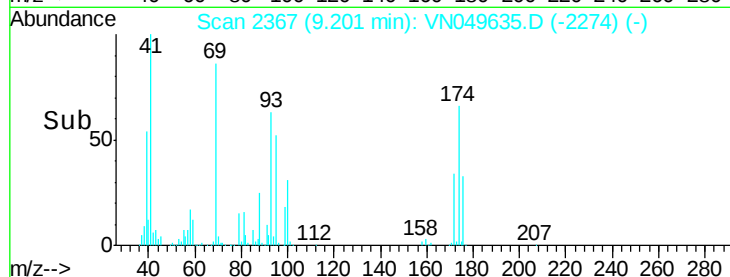
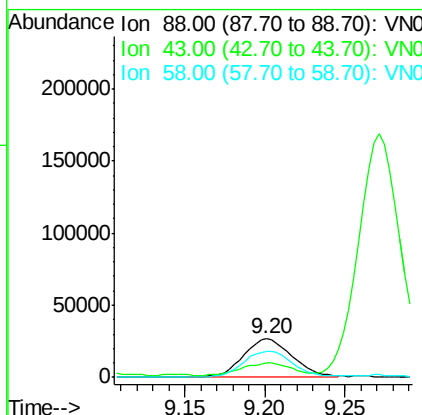
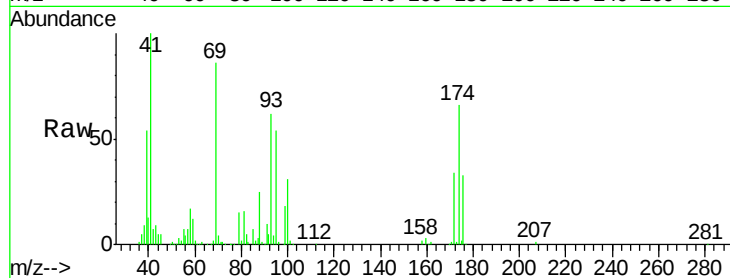
#49
1,4-Dioxane
Concen: 350.56 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	30.9	46.3
58	70.5	58.9	88.3

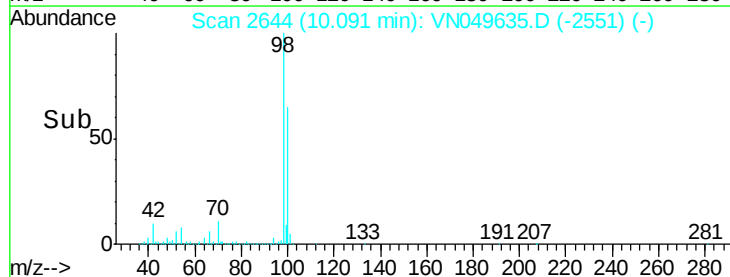
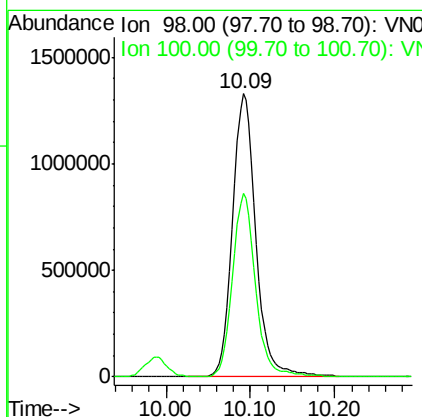
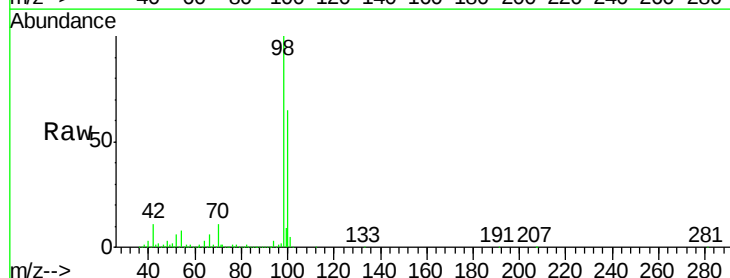
Manual Integrations
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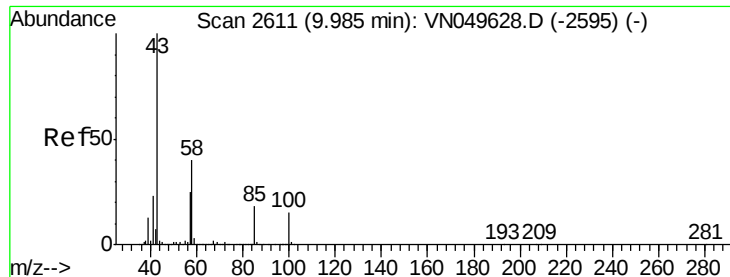
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#50
Toluene-d8
Concen: 43.17 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 89.68 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

VN0629WBS01

Tot Ion: 43 Resp: 1173122

Ion Ratio Lower Upper

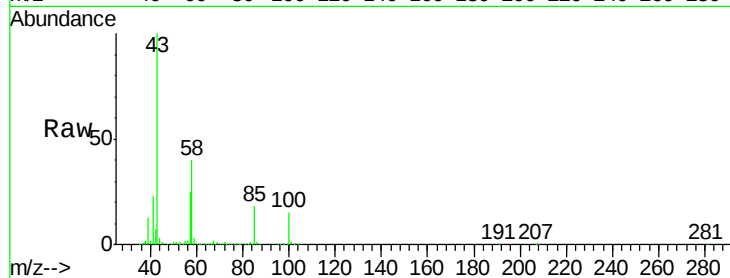
43 100

58 40.0 29.0 43.6

Manual Integrations
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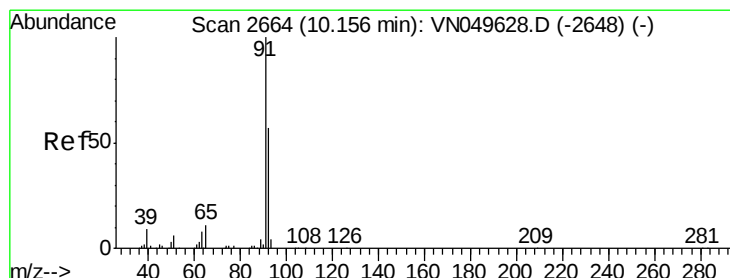
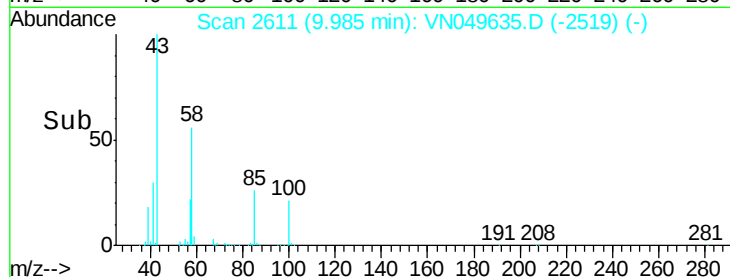
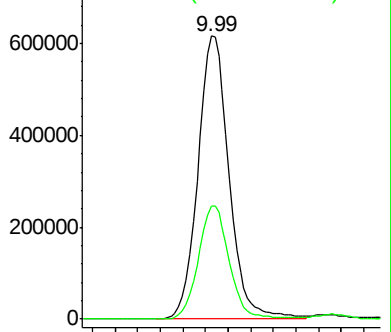
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 16.61 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049635.D

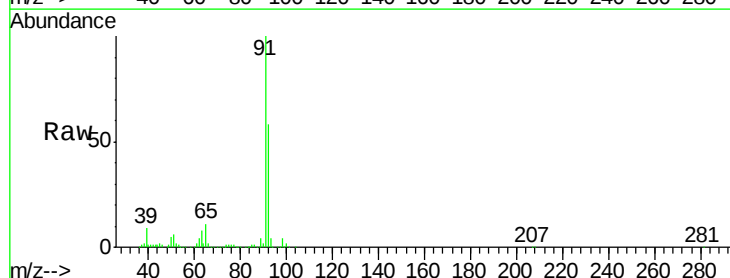
Acq: 29 Jun 2018 16:58

Tgt Ion: 92 Resp: 700920

Ion Ratio Lower Upper

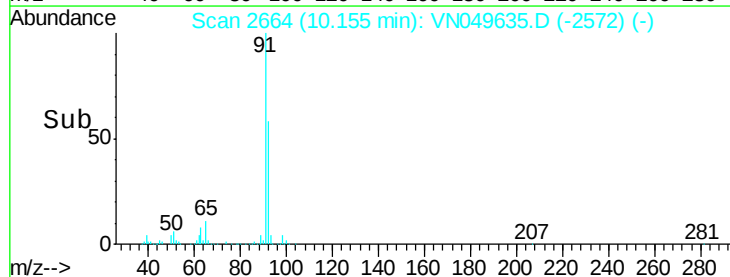
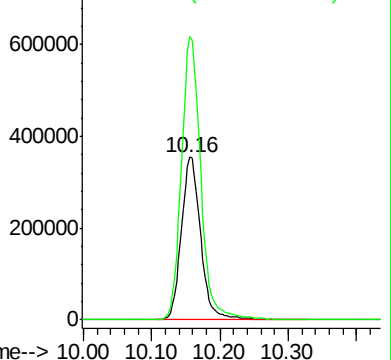
92 100

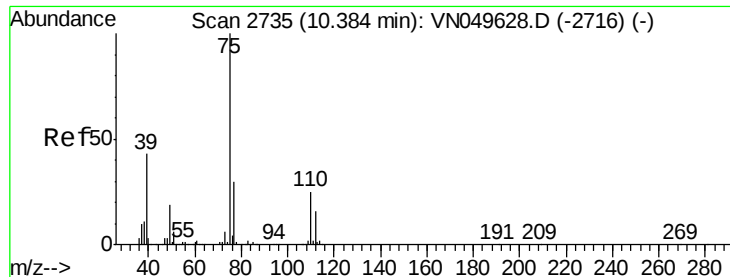
91 174.8 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 16.11 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

VN0629WBS01

Tot Ion: 75 Resp: 358420

Ion Ratio Lower Upper

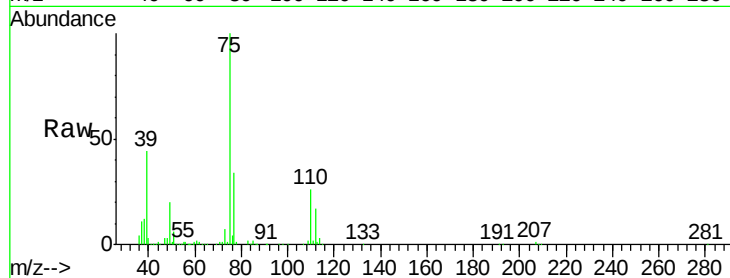
75 100

77 33.2 25.2 37.8

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

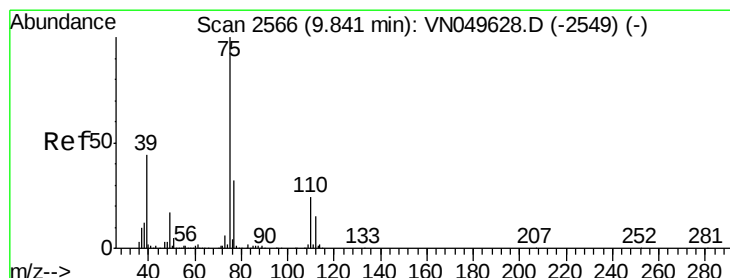
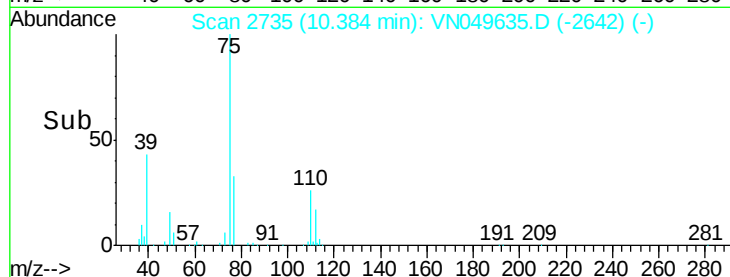
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 16.30 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

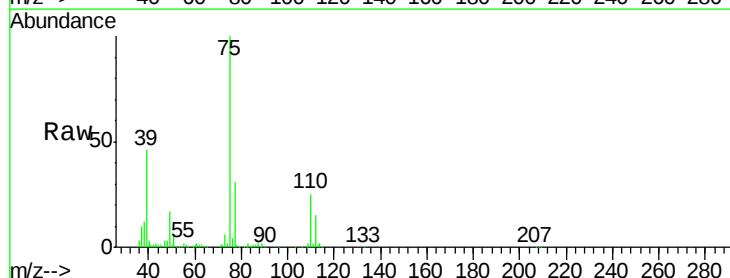
Tgt Ion: 75 Resp: 423932

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 46.0 45.1 67.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

300000

250000

200000

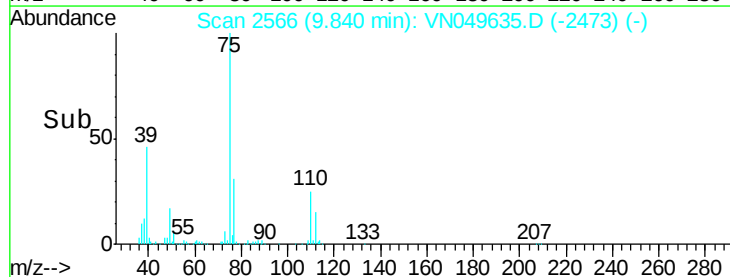
150000

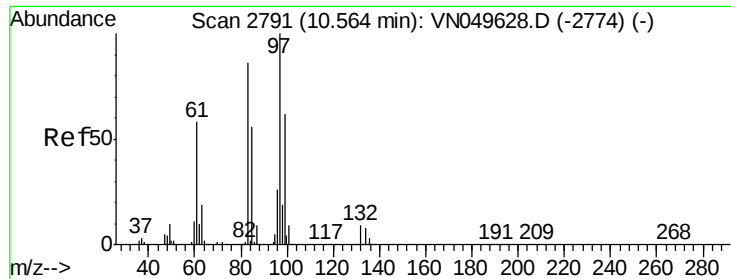
100000

50000

0

Time-->





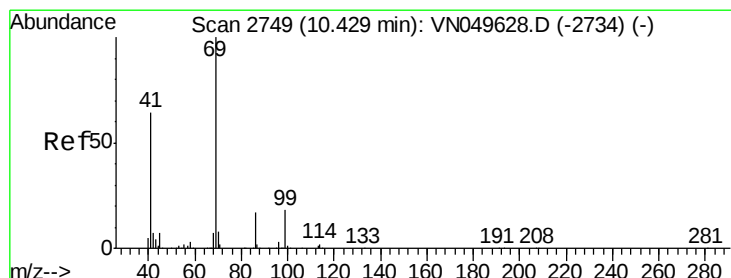
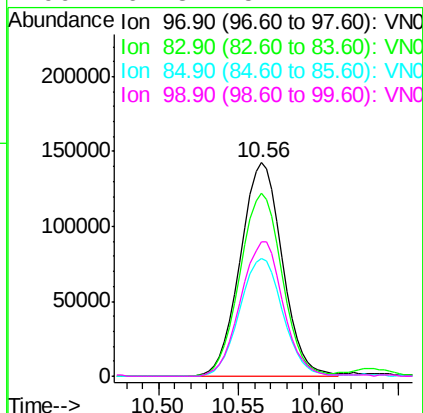
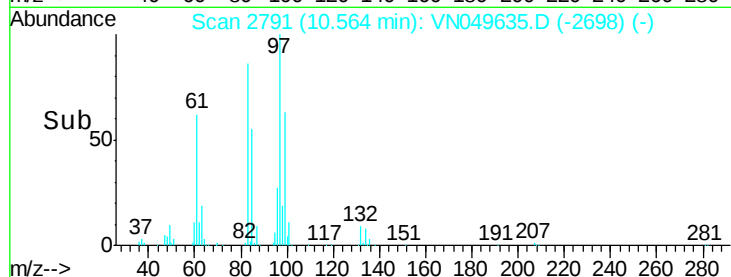
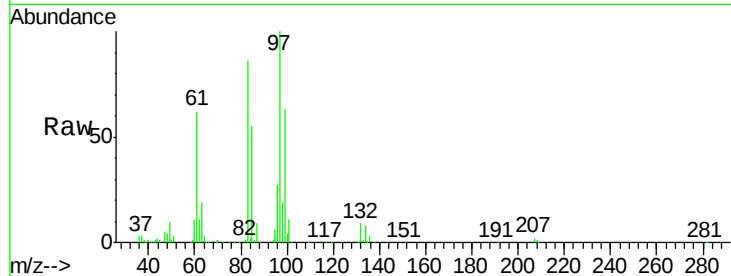
#55
 1,1,2-Trichloroethane
 Concen: 16.23 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0629WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.5	71.5	107.3
85	55.3	47.0	70.4
99	62.8	51.4	77.2

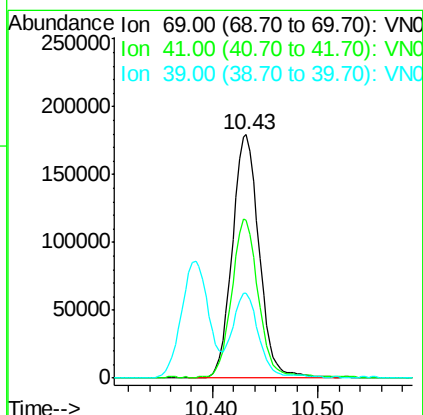
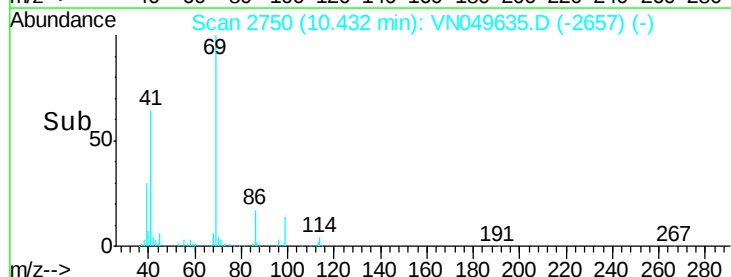
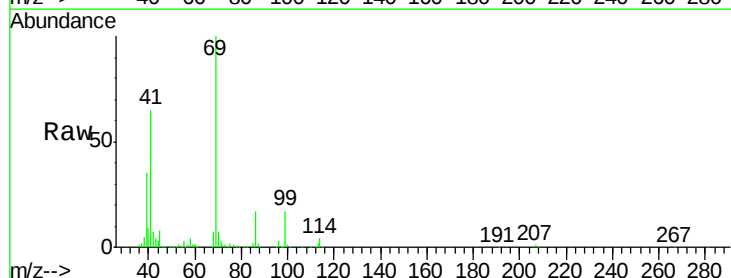
Manual Integrations
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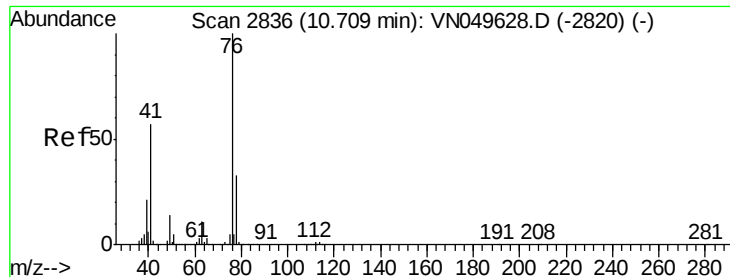
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#56
 Ethyl methacrylate
 Concen: 17.18 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.6	58.4	87.6
39	31.6	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 17.02 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

VN0629WBS01

Tot Ion: 76 Resp: 433500

Ion Ratio Lower Upper

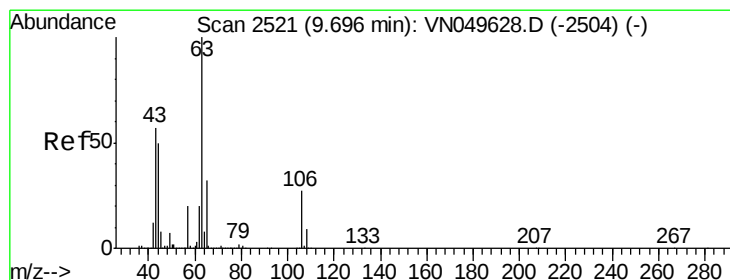
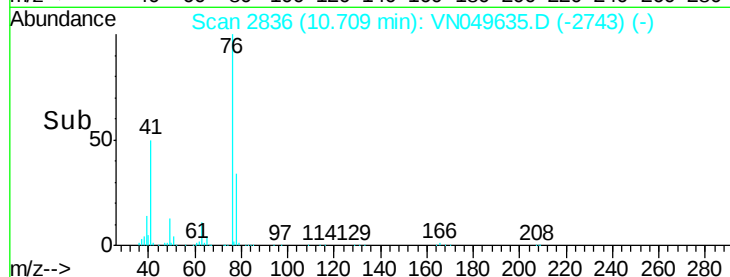
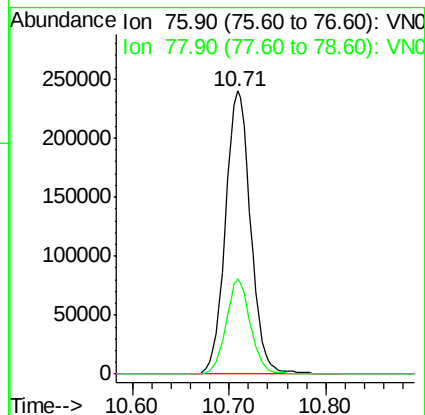
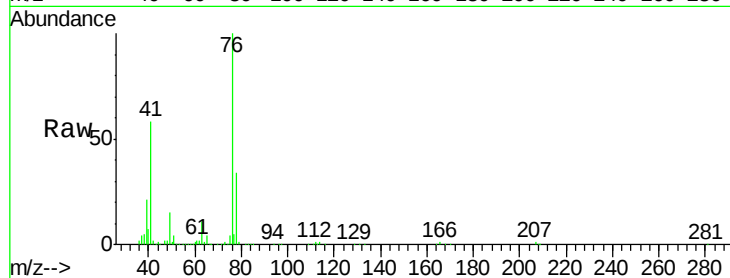
76 100

78 32.5 26.3 39.5

Manual Integrations
APPROVED

apatel

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#58

2-Chloroethyl Vinyl ether

Concen: 77.24 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049635.D

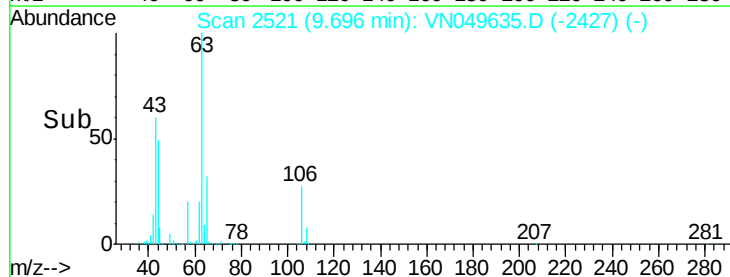
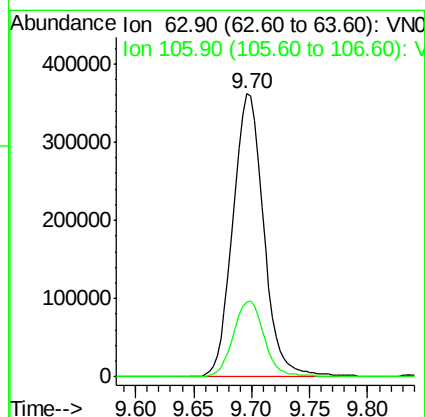
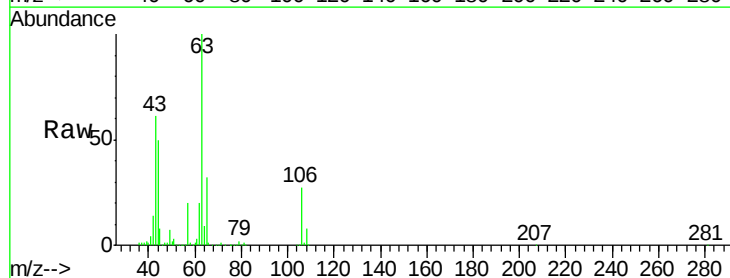
Acq: 29 Jun 2018 16:58

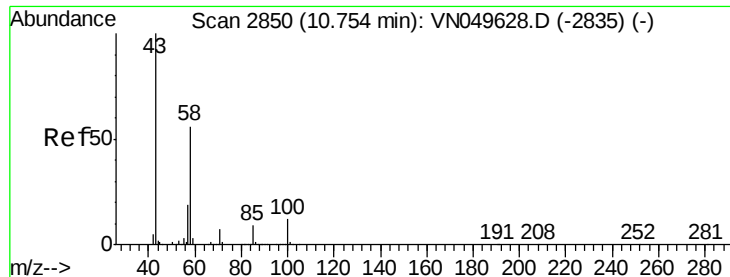
Tgt Ion: 63 Resp: 666255

Ion Ratio Lower Upper

63 100

106 27.0 19.4 29.2





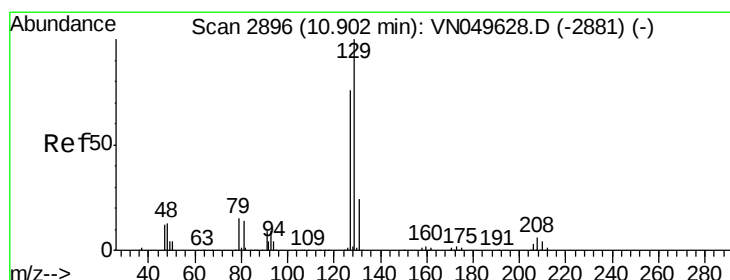
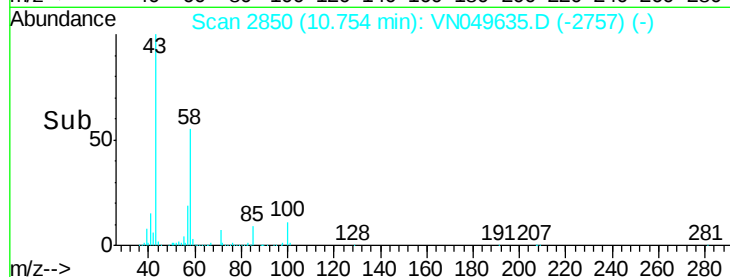
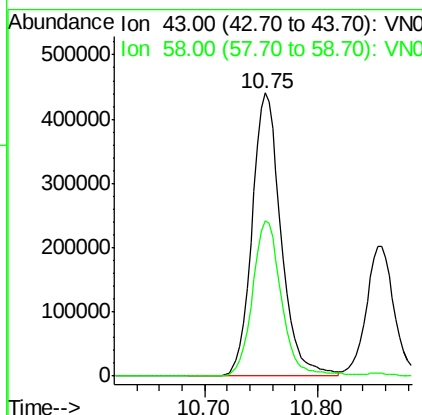
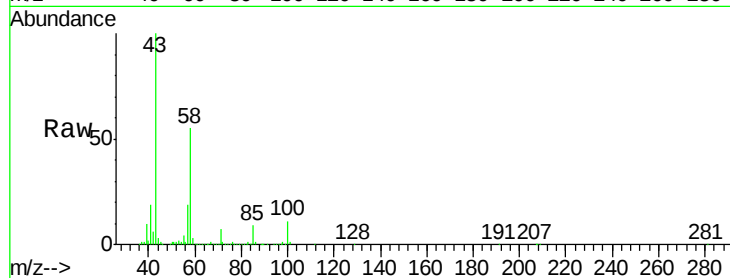
#59
2-Hexanone
Concen: 90.01 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampled :
VN0629WBS01

Tot Ion: 43 Resp: 778544
Ion Ratio Lower Upper
43 100
58 55.1 25.2 75.6

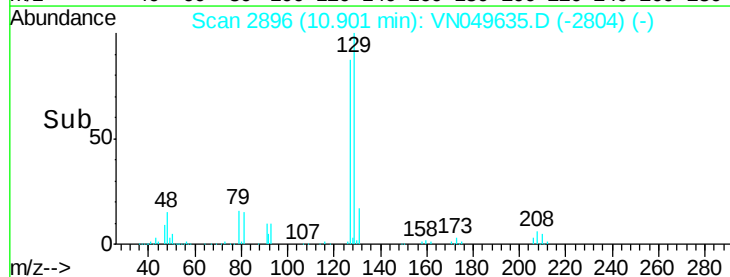
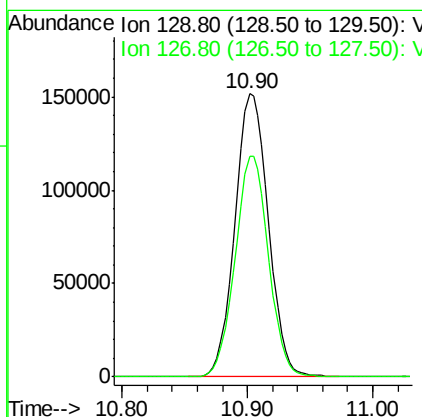
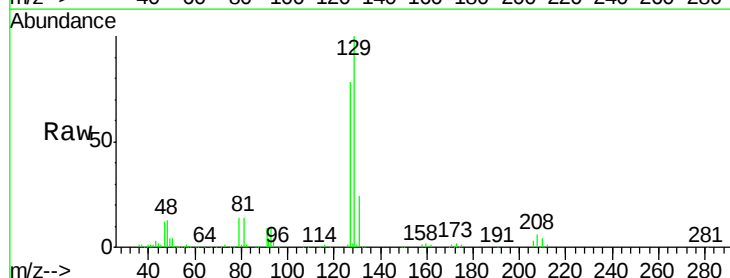
Manual Integrations
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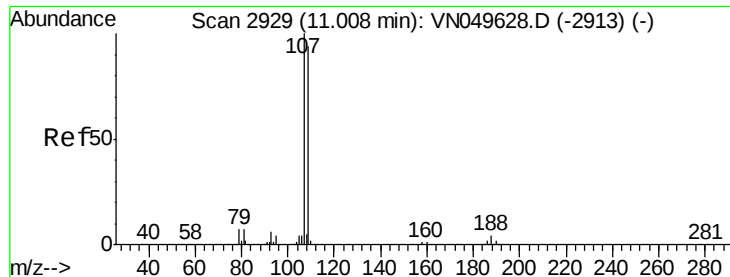
apatel
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#60
Dibromochloromethane
Concen: 16.53 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion: 129 Resp: 280630
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.00 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBS01

Tot Ion: 107 Resp: 255946

Ion Ratio Lower Upper

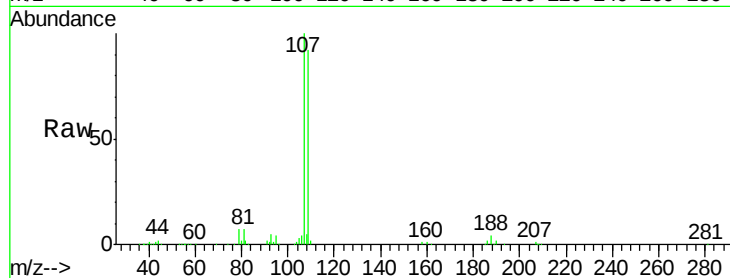
107 100

109 91.7 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

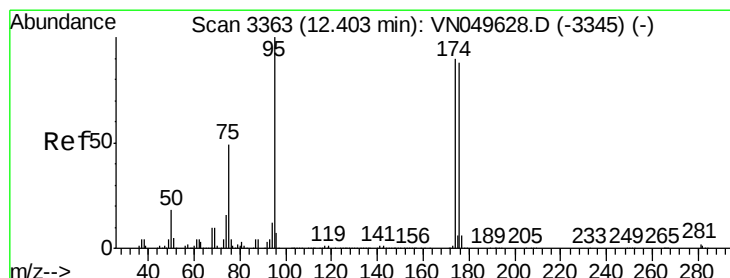
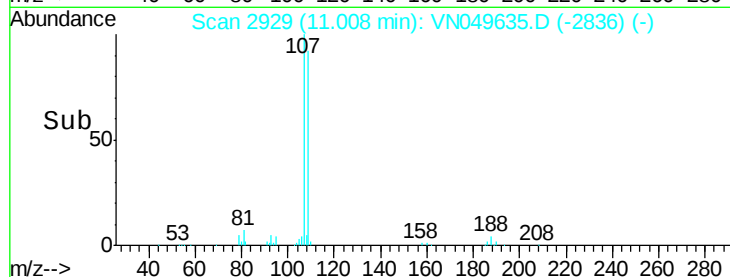
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 42.28 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

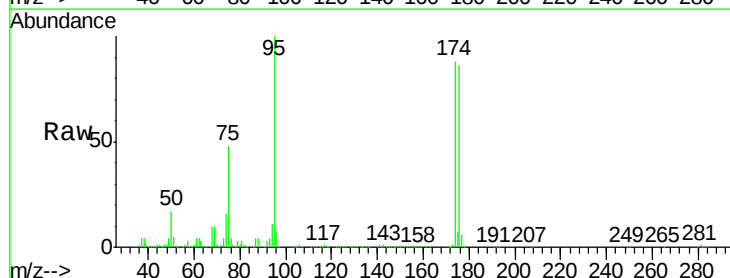
Tgt Ion: 95 Resp: 858901

Ion Ratio Lower Upper

95 100

174 89.3 0.0 165.6

176 86.4 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

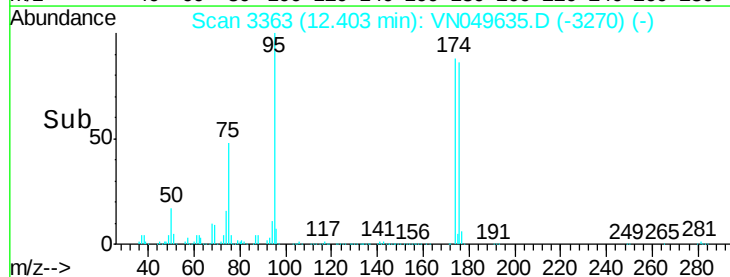
600000

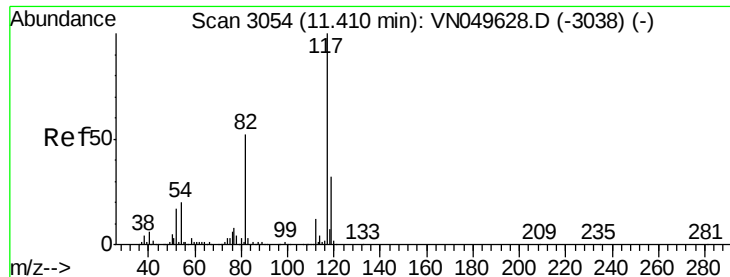
400000

200000

0

Time--> 12.35 12.40 12.45





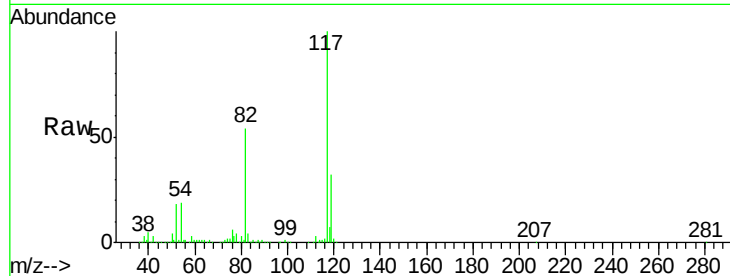
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampled :
VN0629WBS01

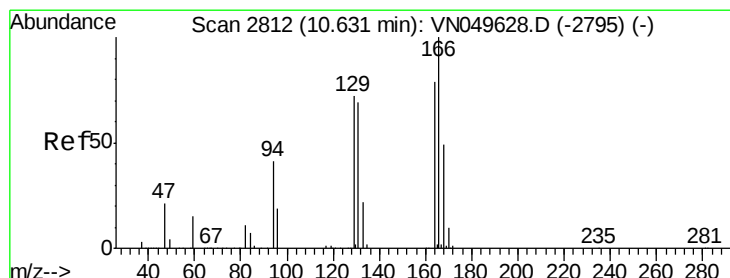
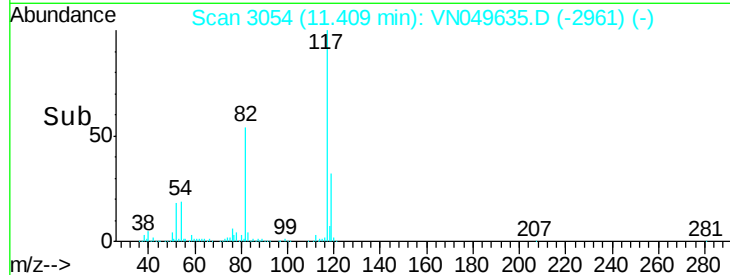
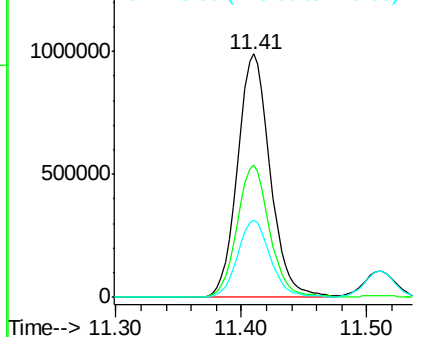
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.9	68.9
119	31.7	25.5	38.3

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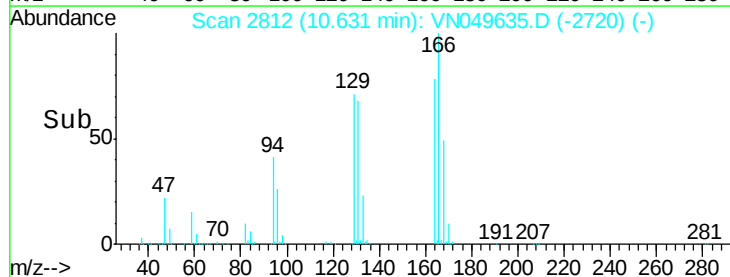
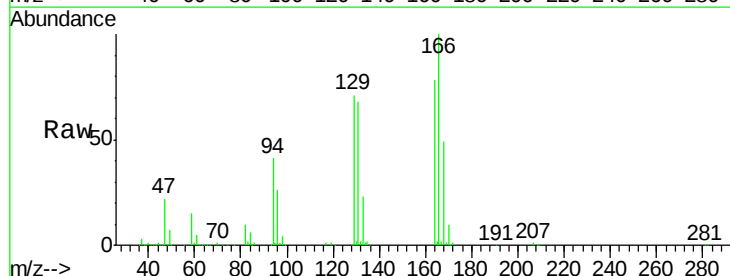
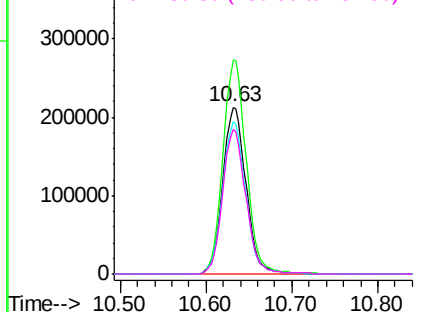
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

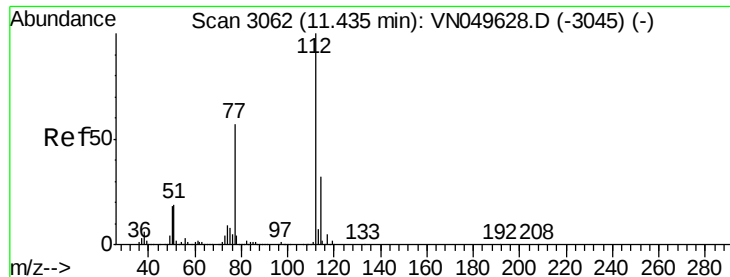


#64
Tetrachloroethene
Concen: 16.51 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.4	152.2
129	91.2	74.1	111.1
131	86.8	73.7	110.5

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





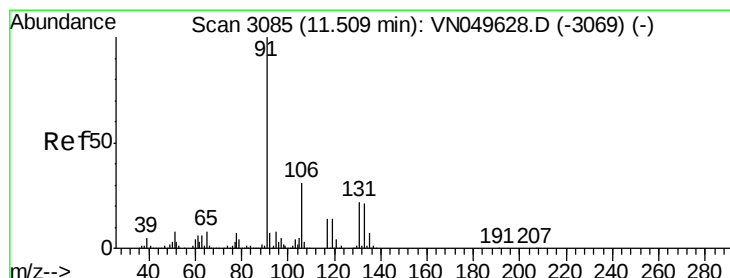
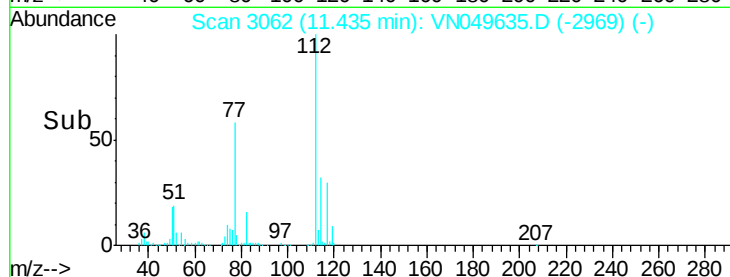
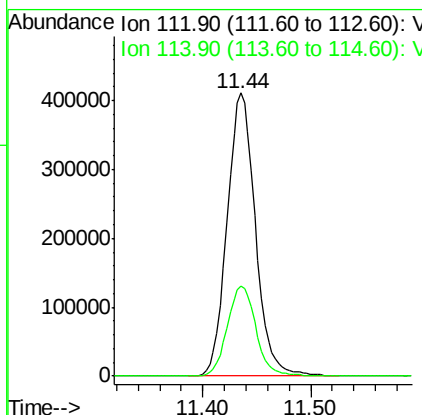
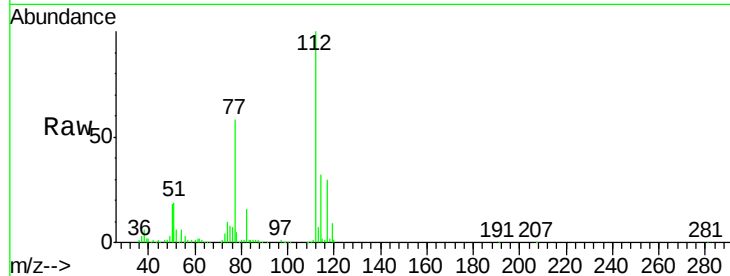
#65
Chlorobenzene
Concen: 16.12 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.2	39.4

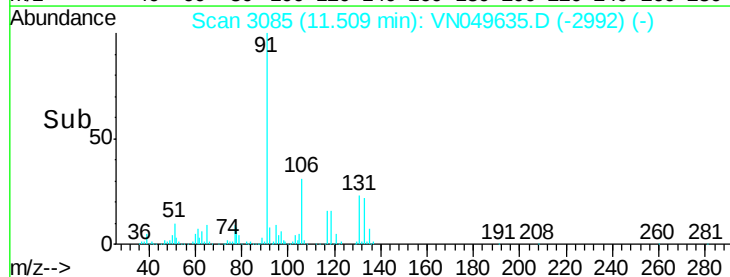
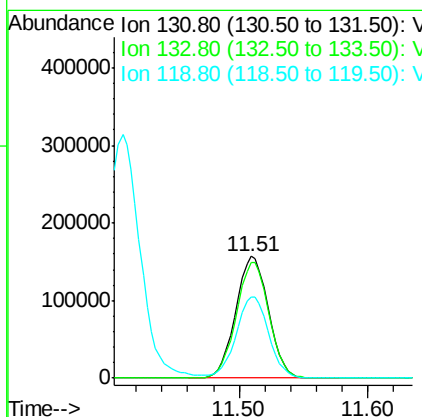
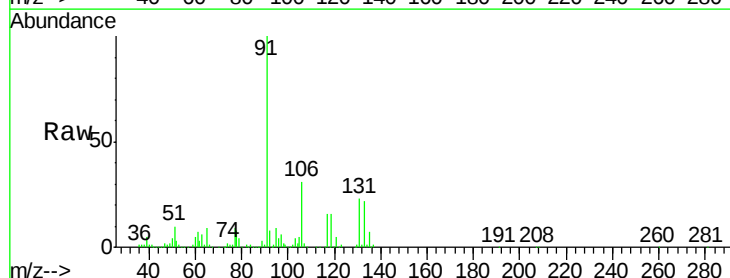
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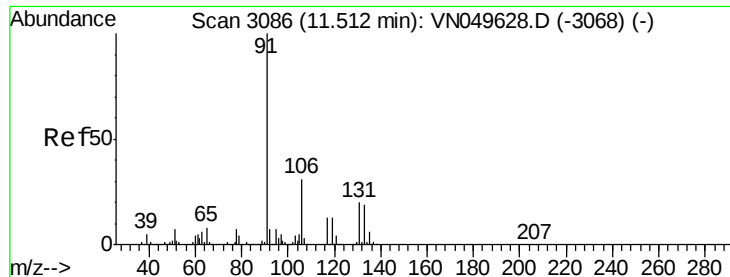
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.57 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.0	144.2
119	66.2	33.6	100.8





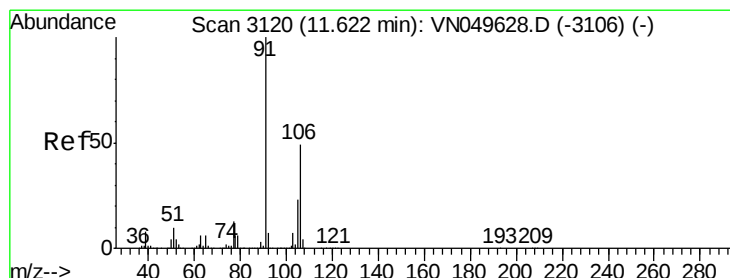
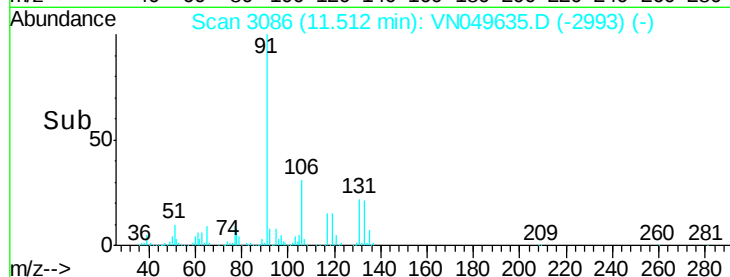
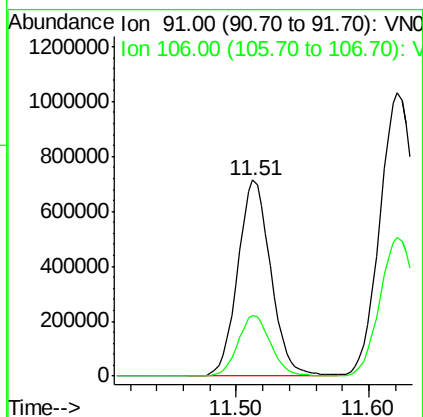
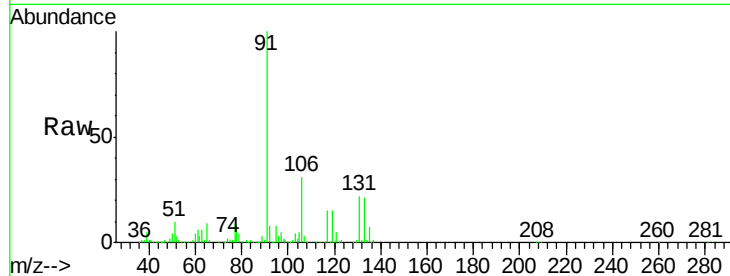
#67
Ethyl Benzene
Concen: 16.07 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampled :
VN0629WBS01

Tot Ion: 91 Resp: 1239001
Ion Ratio Lower Upper
91 100
106 31.1 23.9 35.9

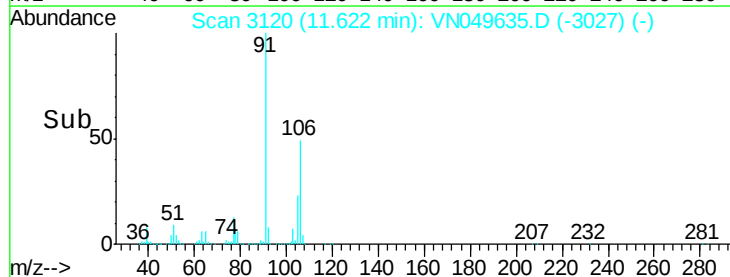
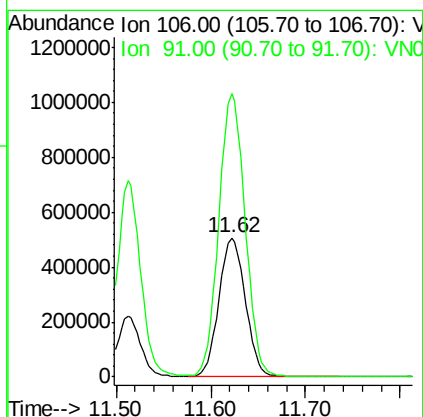
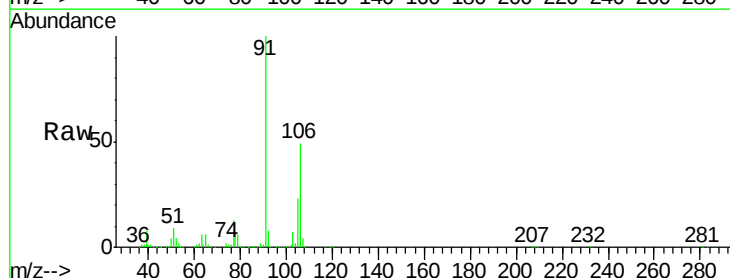
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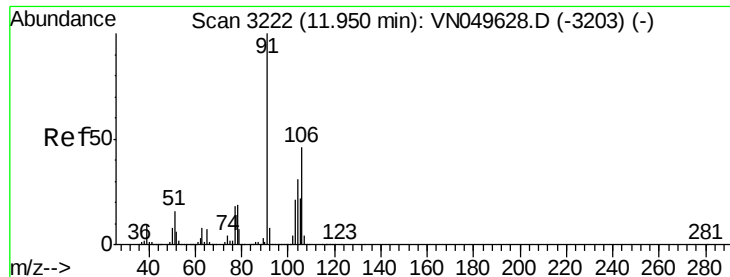
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#68
m/p-Xylenes
Concen: 33.43 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion: 106 Resp: 987675
Ion Ratio Lower Upper
106 100
91 202.2 167.3 250.9





#69

o-Xylene

Concen: 16.72 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

VN0629WBS01

Tot Ion:106 Resp: 472824

Ion Ratio Lower Upper

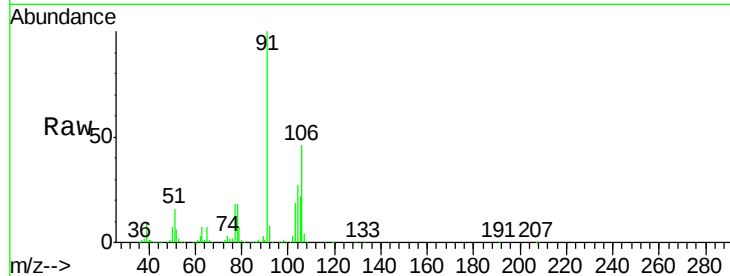
106 100

91 213.7 111.0 333.0

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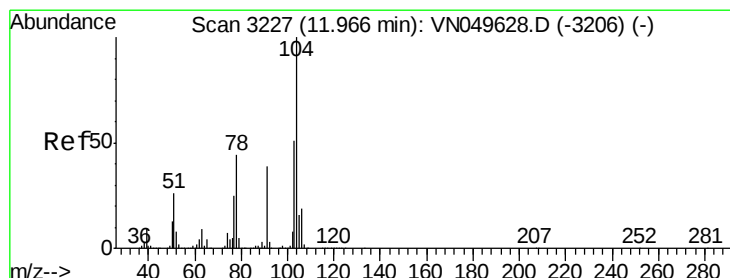
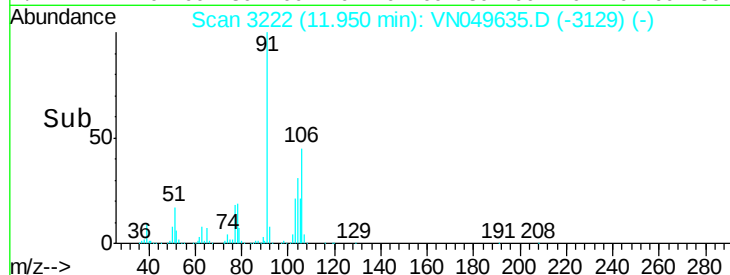
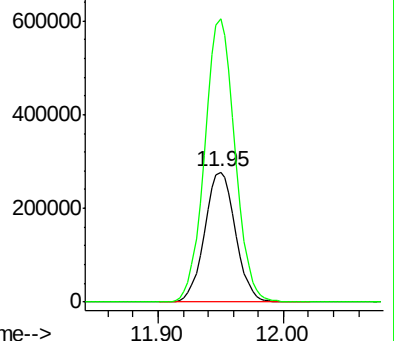
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 16.48 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

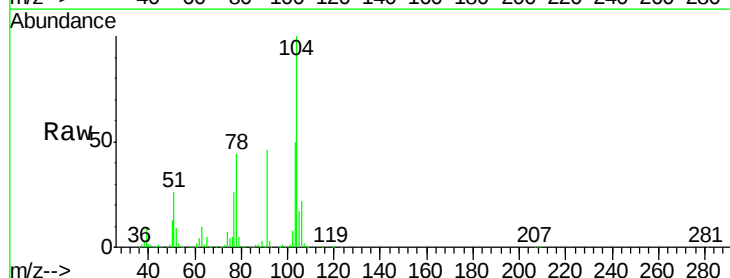
Tgt Ion:104 Resp: 754159

Ion Ratio Lower Upper

104 100

78 49.5 41.6 62.4

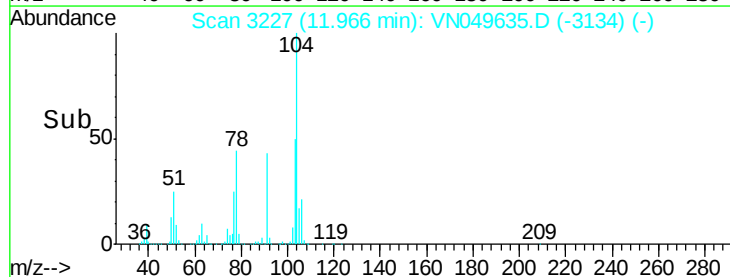
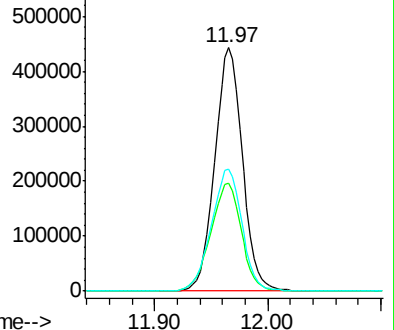
103 55.4 45.4 68.2

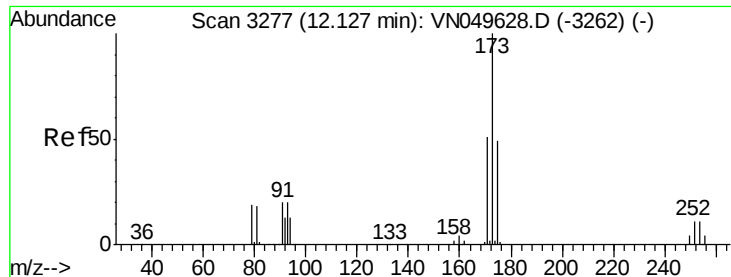


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





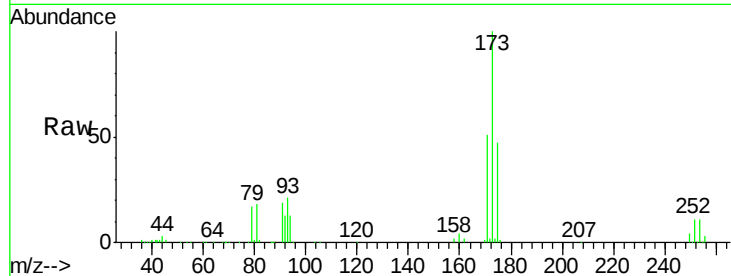
#71
Bromoform
Concen: 16.63 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampled :
VN0629WBS01

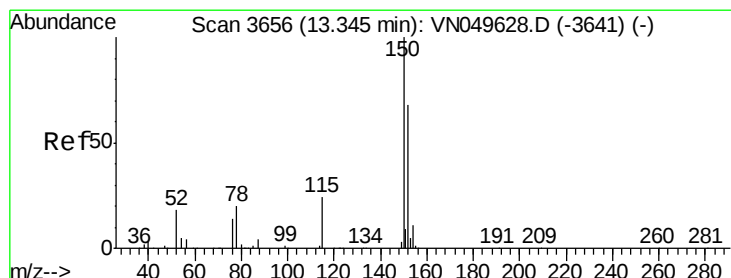
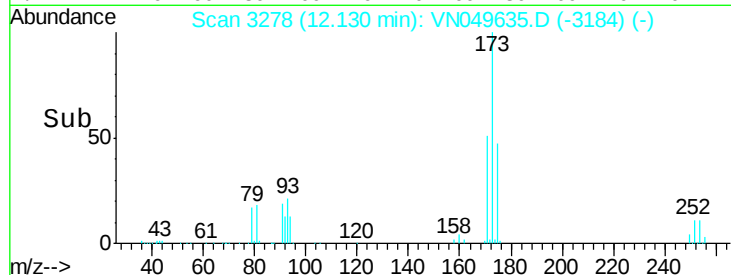
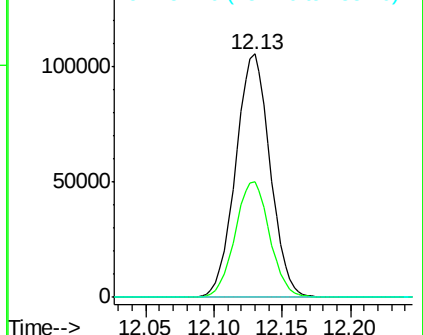
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.5	73.5
254	0.1	0.1	0.1

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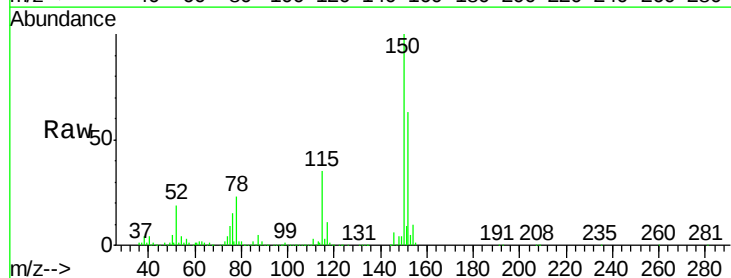


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

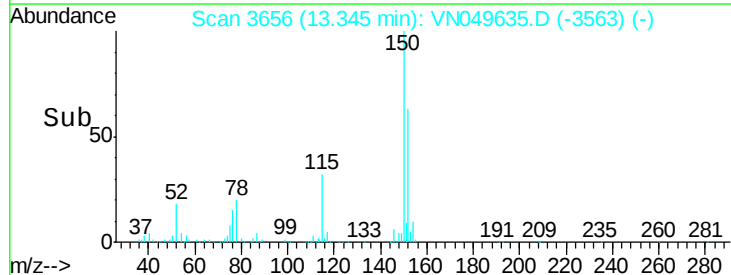
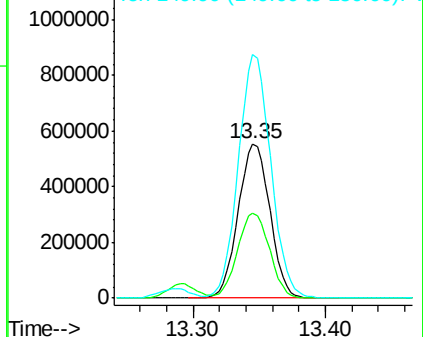


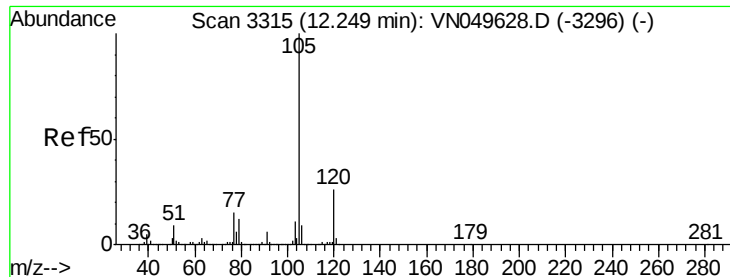
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.7	86.1
150	161.8	0.0	351.0



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: 16.71 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

VN0629WBS01

Tot Ion:105 Resp: 1223894

Ion Ratio Lower Upper

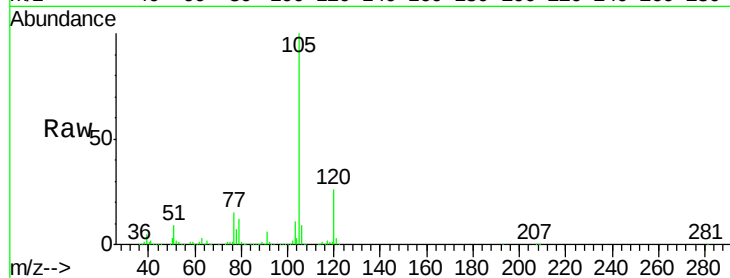
105 100

120 26.3 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

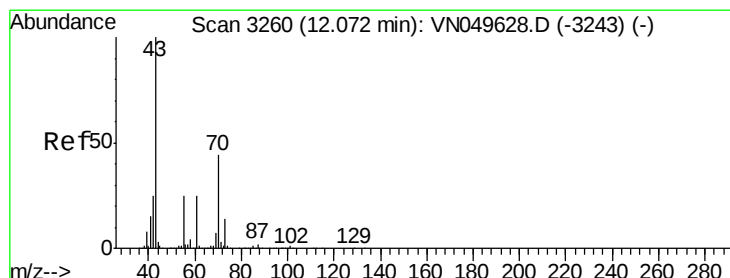
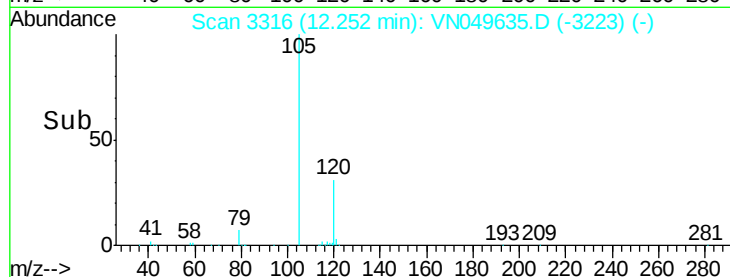
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 17.04 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion: 43 Resp: 340941

Ion Ratio Lower Upper

43 100

70 43.3 30.3 45.5

55 26.2 19.4 29.2

61 23.9 17.8 26.6

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

300000

250000

200000

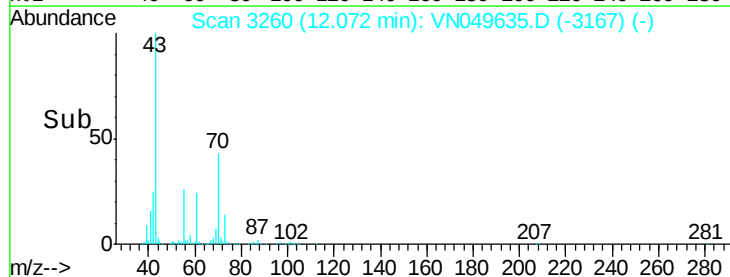
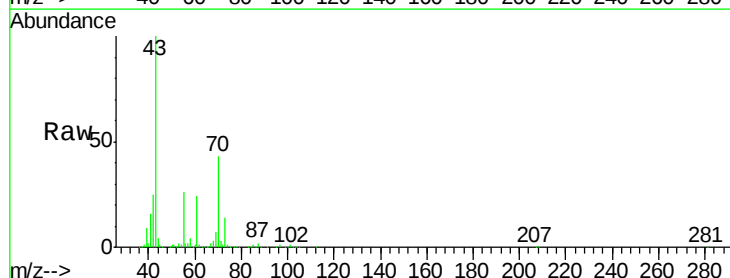
150000

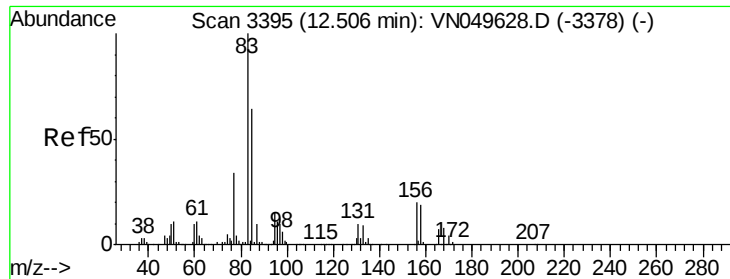
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.41 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

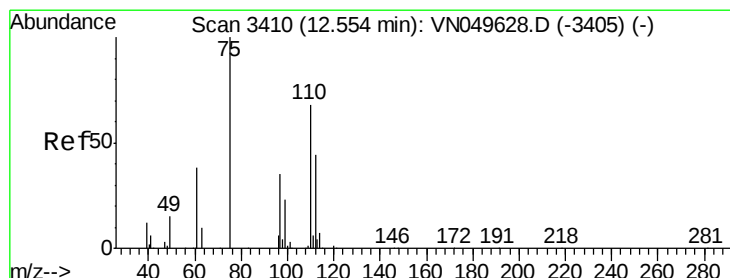
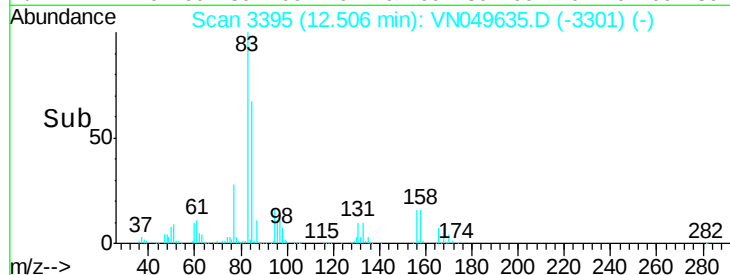
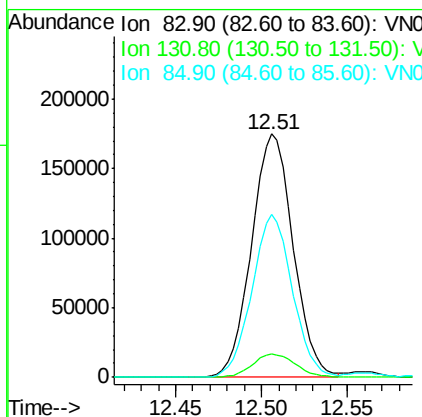
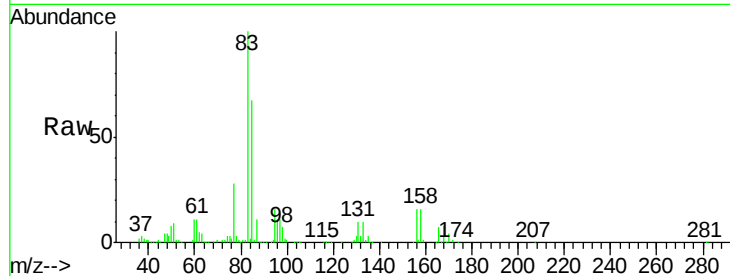
ClientSampled :

VN0629WBS01

Tot Ion:	83	Resp:	293539
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	65.1	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 16.75 ug/l m

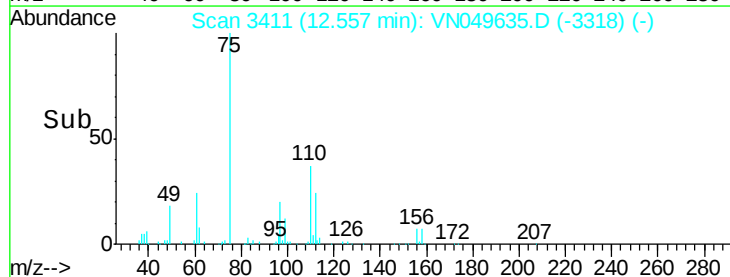
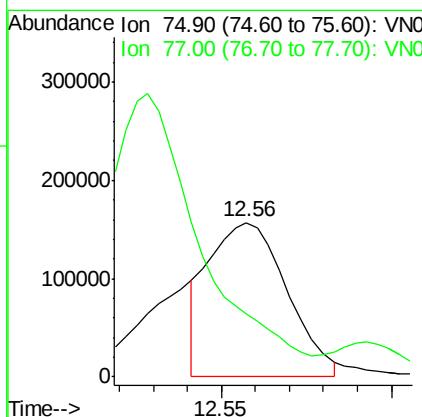
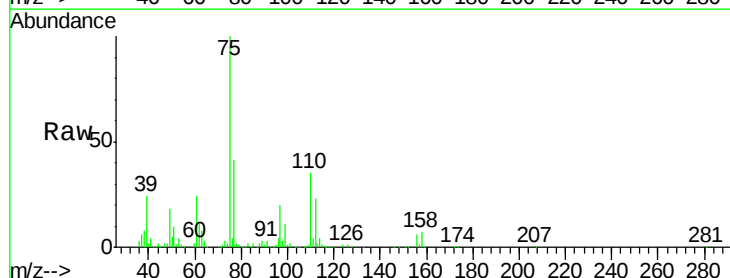
RT: 12.56 min Scan# 3411

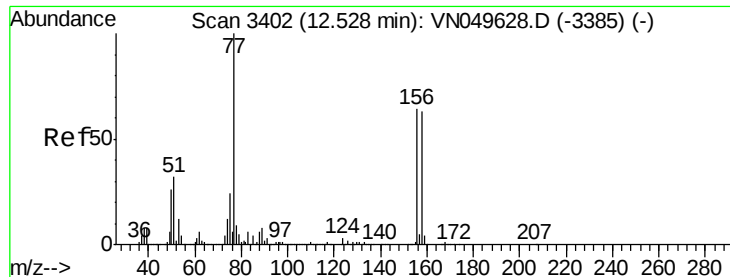
Delta R.T. 0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion:	75	Resp:	250148
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 16.10 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

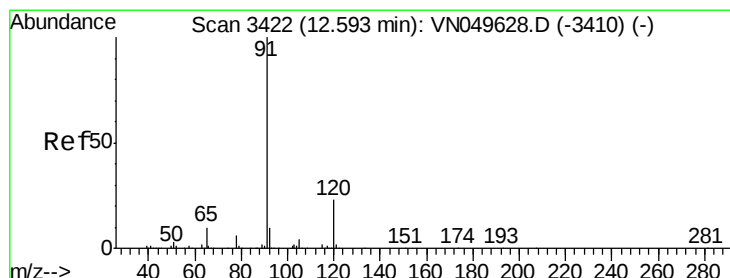
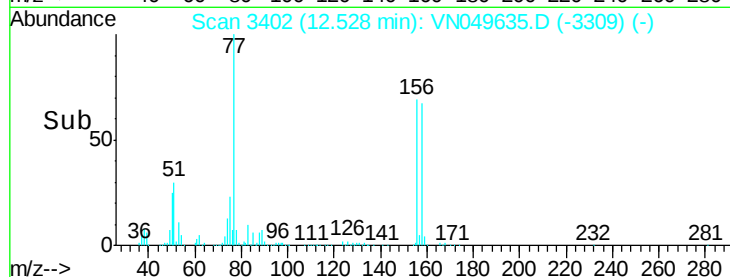
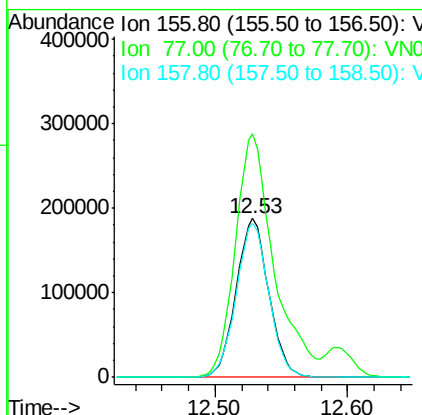
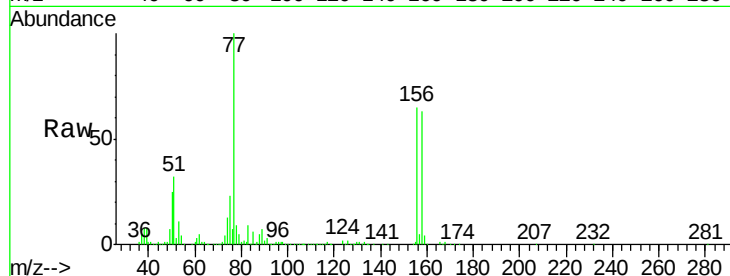
ClientSampled :

VN0629WBS01

Tot Ion:	156	Resp:	320679
Ion Ratio	Lower	Upper	
156	100		
77	180.8	100.8	302.4
158	97.4	49.3	147.9

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#78

n-propylbenzene

Concen: 16.77 ug/l

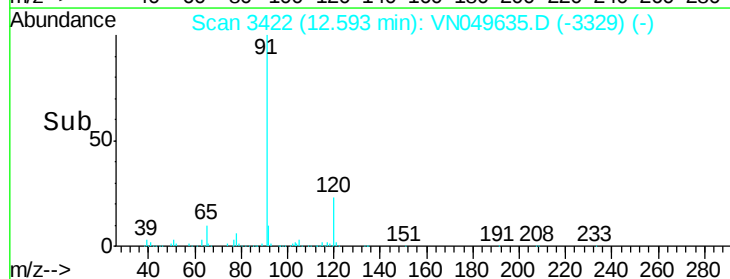
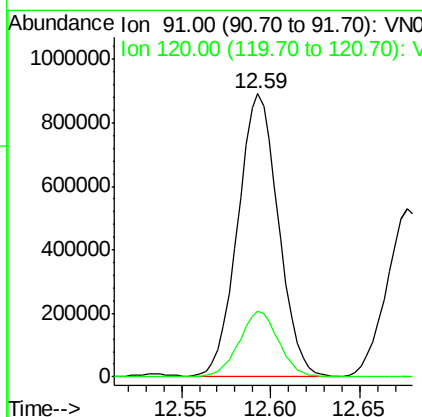
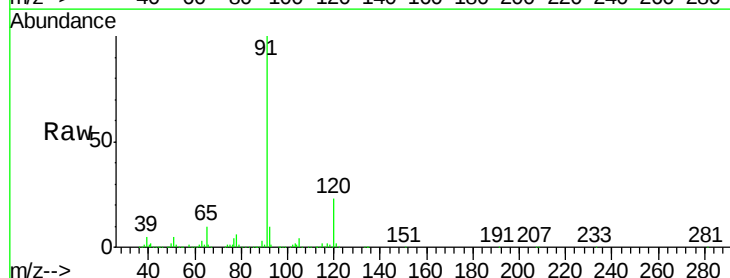
RT: 12.59 min Scan# 3422

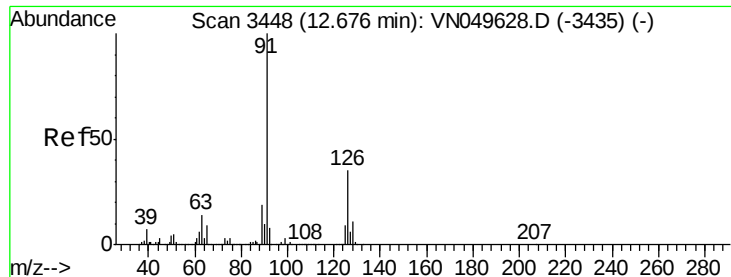
Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion:	91	Resp:	1407350
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 16.21 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

VN0629WBS01

Tot Ion: 91 Resp: 861132

Ion Ratio Lower Upper

91 100

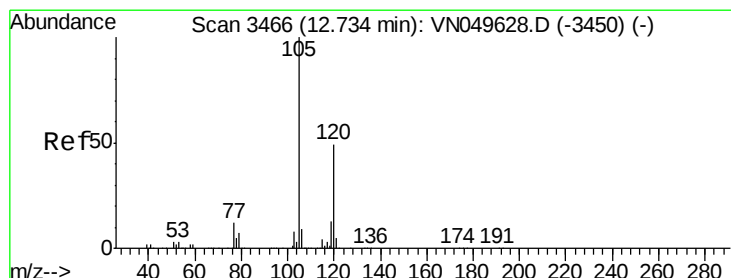
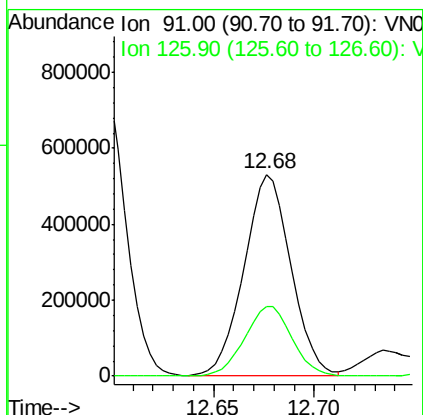
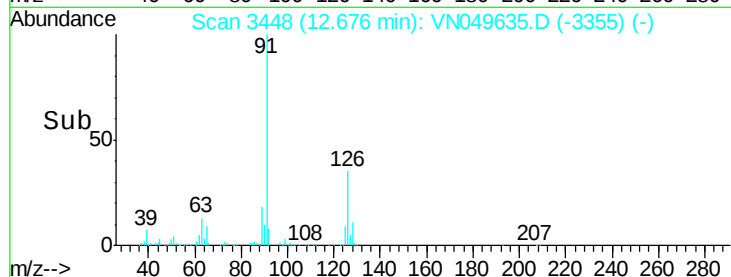
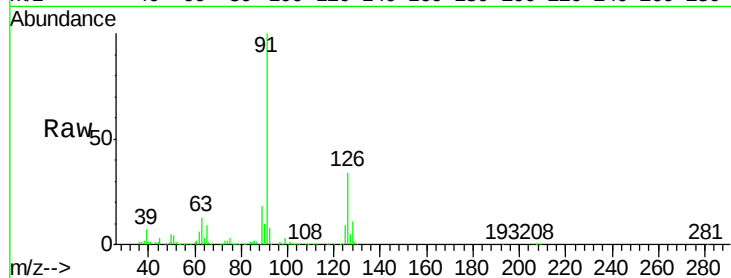
126 35.2 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 16.93 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049635.D

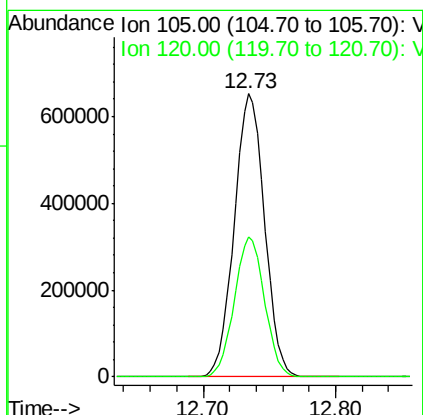
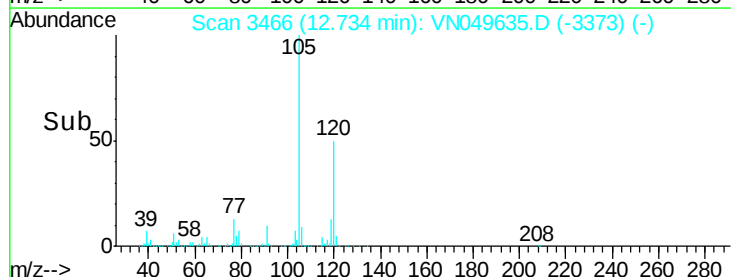
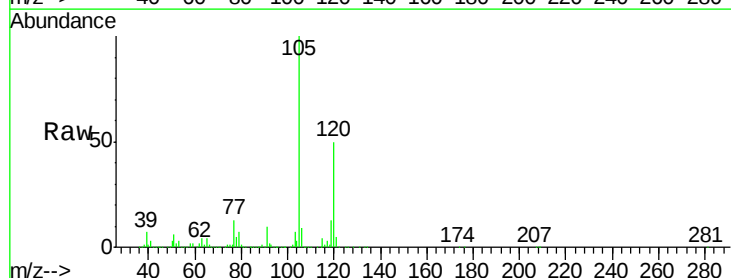
Acq: 29 Jun 2018 16:58

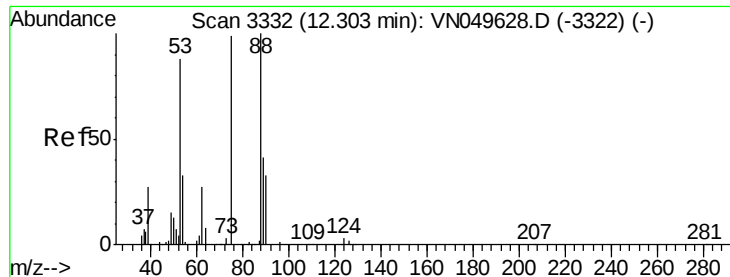
Tgt Ion: 105 Resp: 1030685

Ion Ratio Lower Upper

105 100

120 49.4 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 16.43 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

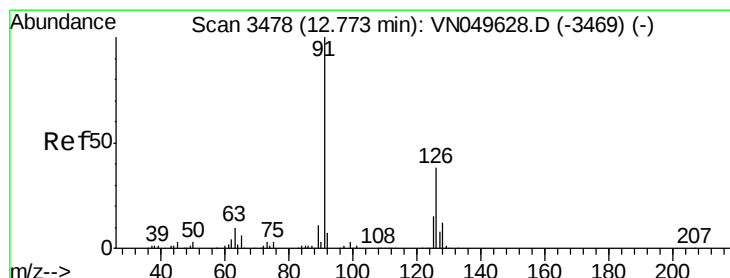
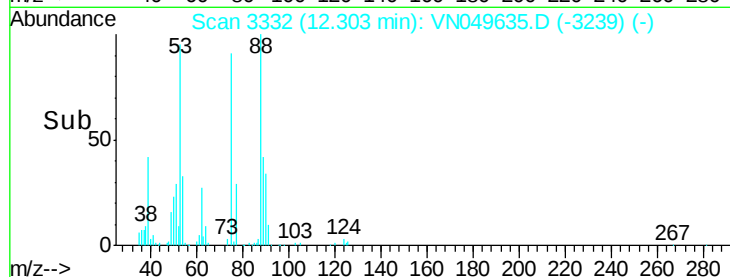
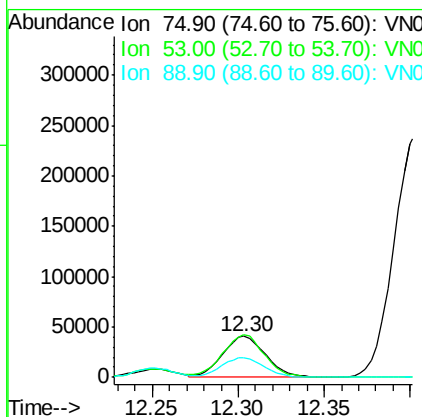
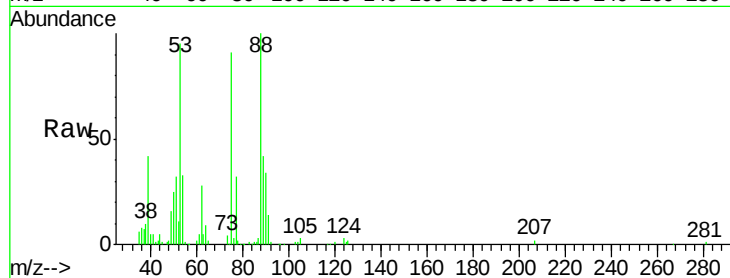
ClientSampleId :

VN0629WBS01

Tot Ion:	75	Resp:	71354
Ion	Ratio	Lower	Upper
75	100		
53	100.2	82.7	124.1
89	46.5	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 16.14 ug/l

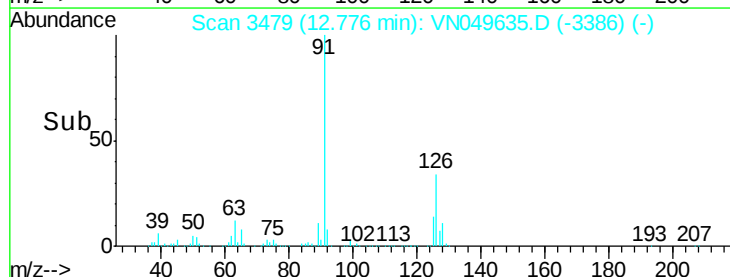
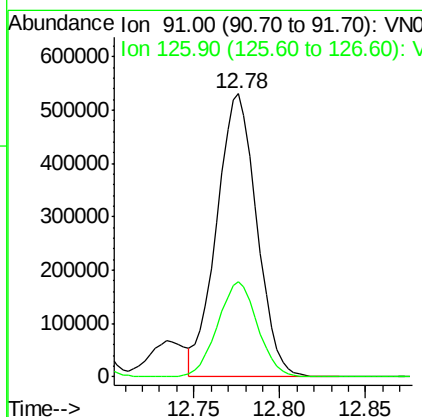
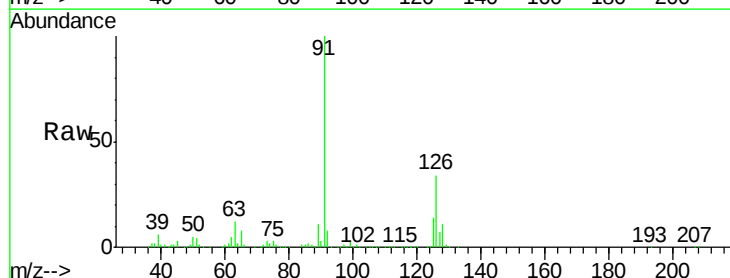
RT: 12.78 min Scan# 3479

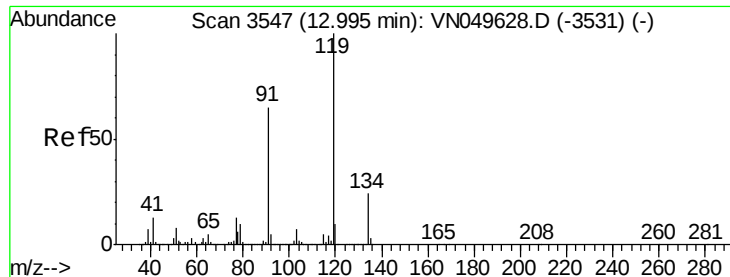
Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion:	91	Resp:	862243
Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.1





#83

tert-Butylbenzene

Concen: 16.34 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

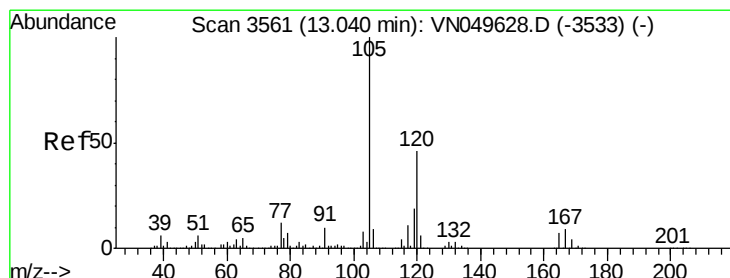
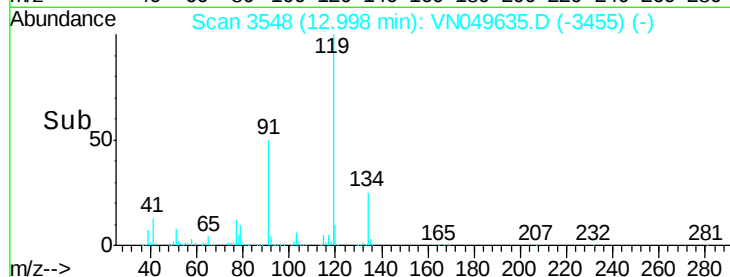
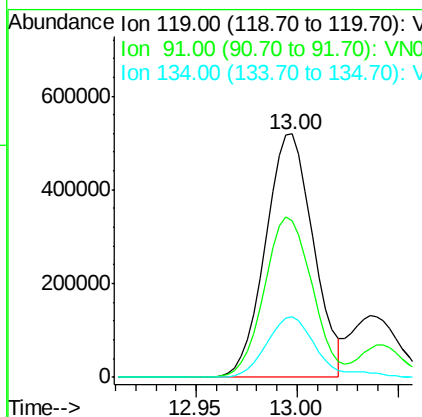
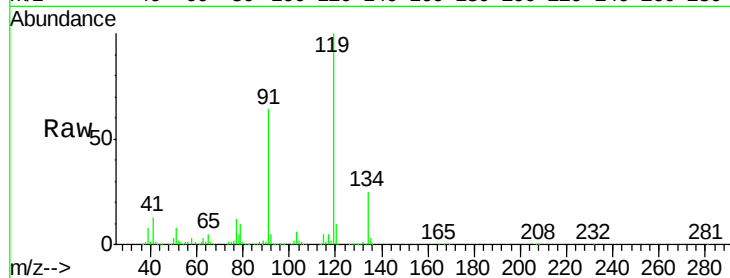
ClientSampled :

VN0629WBS01

Tot Ion:	119	Resp:	854224
Ion Ratio	Lower	Upper	
119	100		
91	65.9	33.7	101.0
134	26.1	12.9	38.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 16.87 ug/l

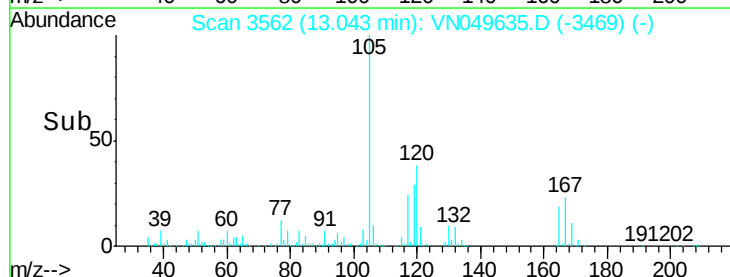
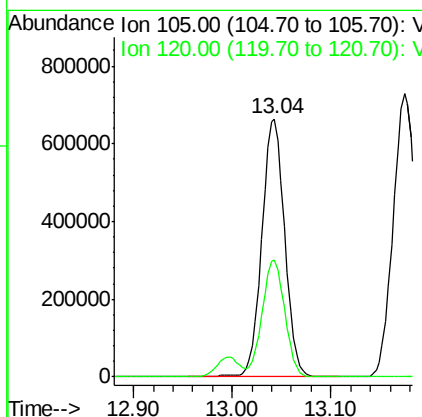
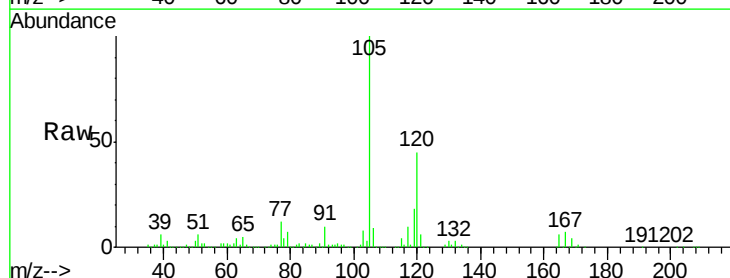
RT: 13.04 min Scan# 3562

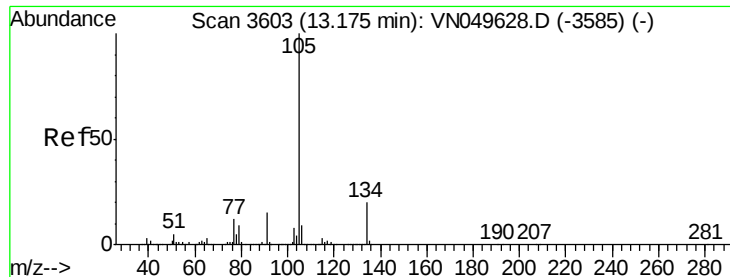
Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion:	105	Resp:	1054770
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.2	66.6





#85

sec-Butylbenzene

Concen: 16.91 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

VN0629WBS01

Tot Ion:105 Resp: 1171095

Ion Ratio Lower Upper

105 100

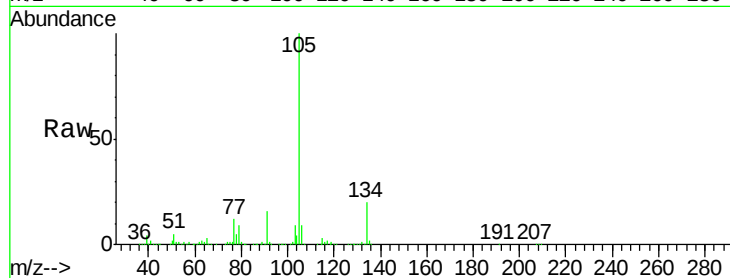
134 20.1 9.8 29.3

Manual Integrations

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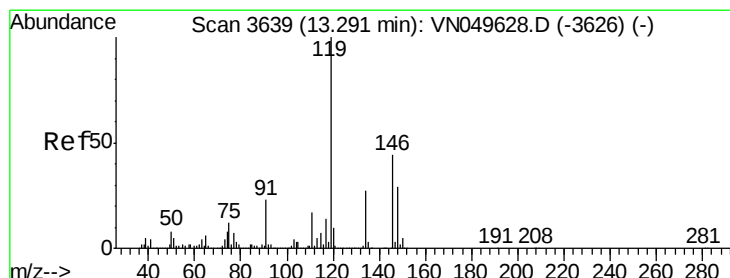
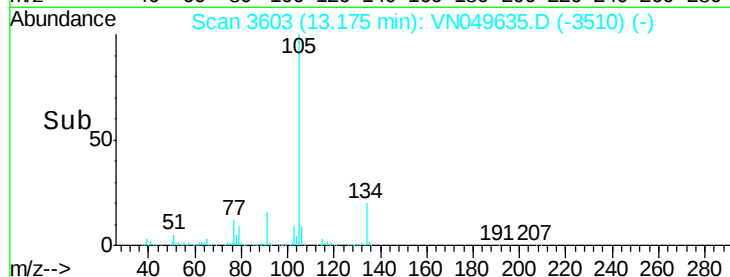
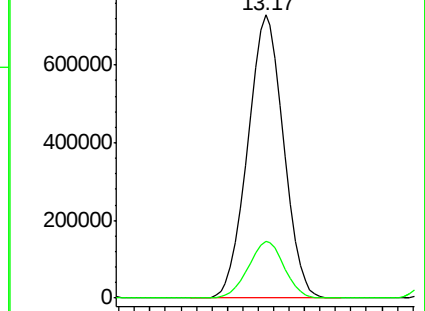
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.71 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

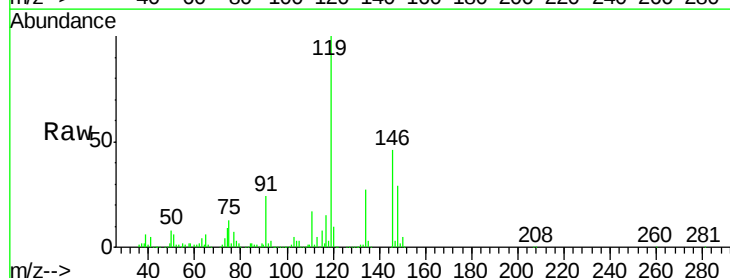
Tgt Ion:119 Resp: 1002890

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

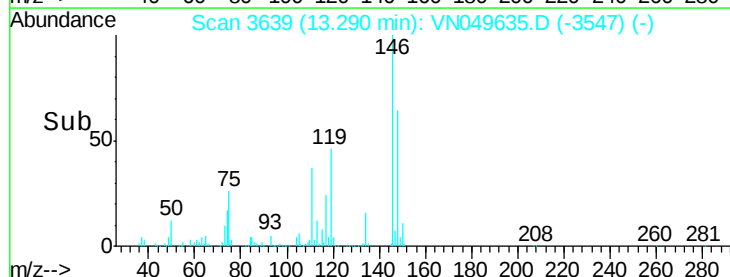
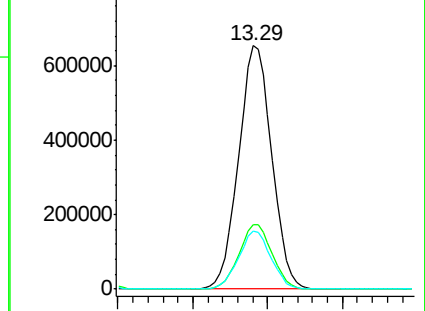
91 23.3 12.1 36.3

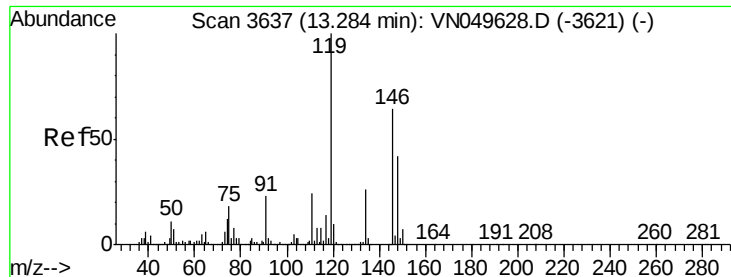


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





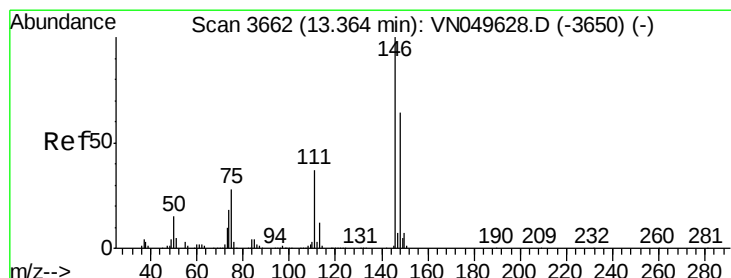
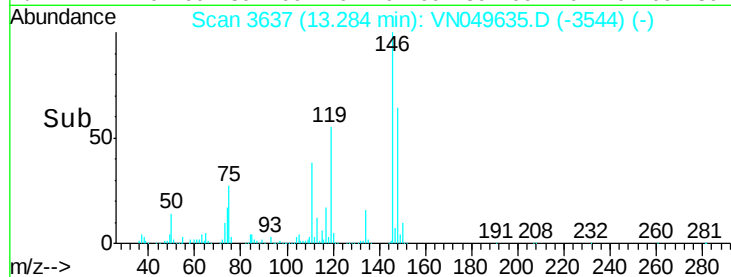
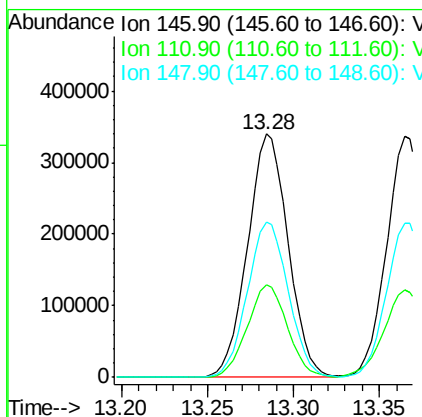
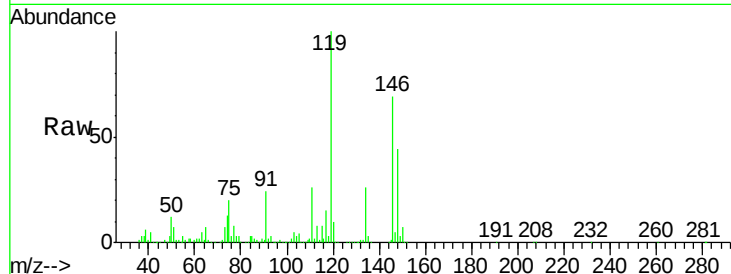
#87
 1,3-Dichlorobenzene
 Concen: 16.08 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0629WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.7	19.9	59.6	
148	64.5	32.1	96.5	

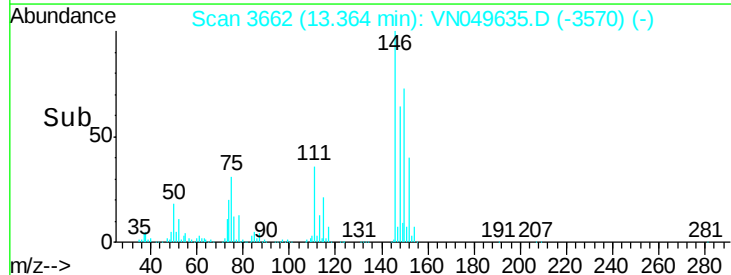
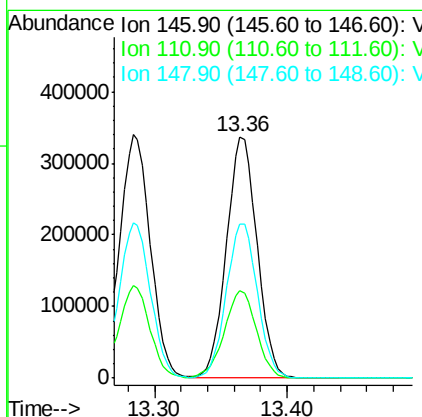
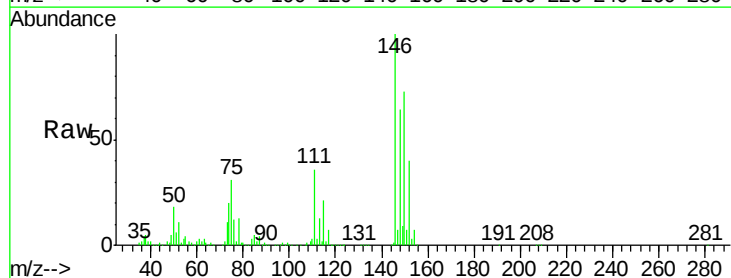
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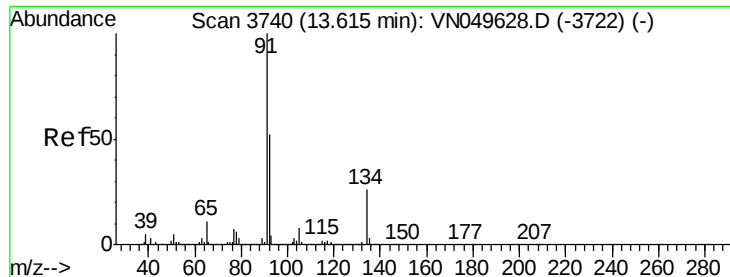
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#88
 1,4-Dichlorobenzene
 Concen: 16.02 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.2	19.1	57.1	
148	64.8	32.0	96.2	





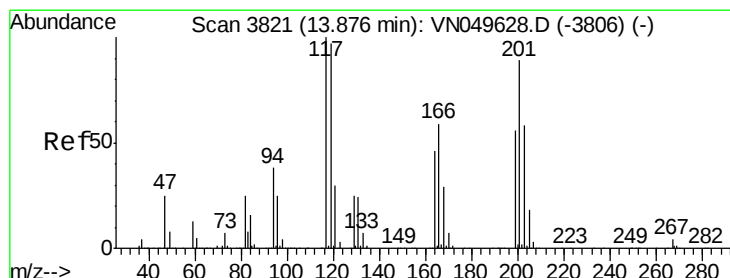
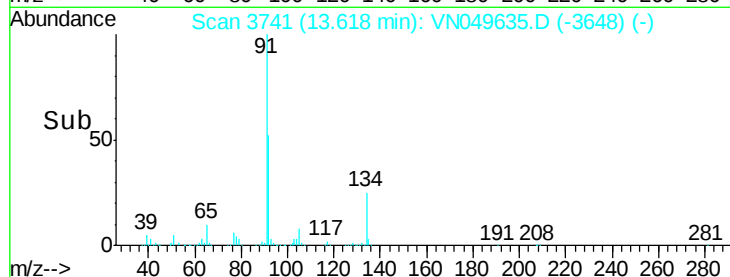
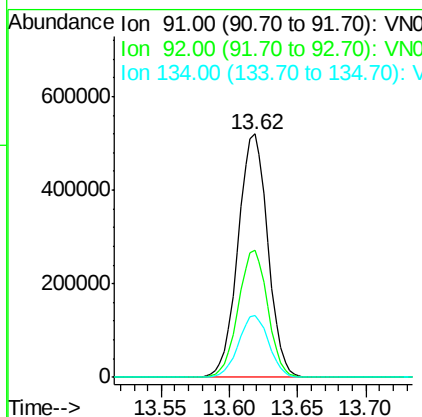
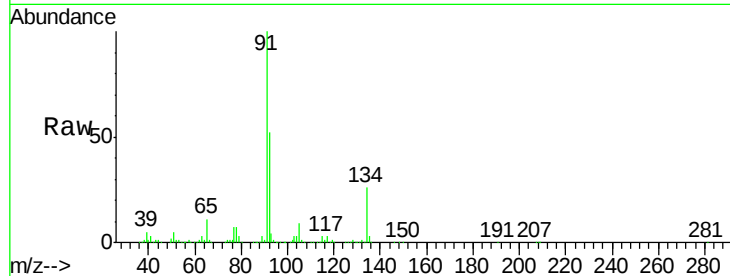
#89
n-Butylbenzene
Concen: 15.37 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampled :
VN0629WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.1	75.4
134	25.8	12.0	36.0

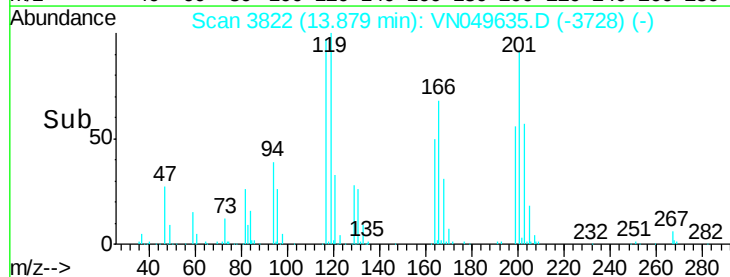
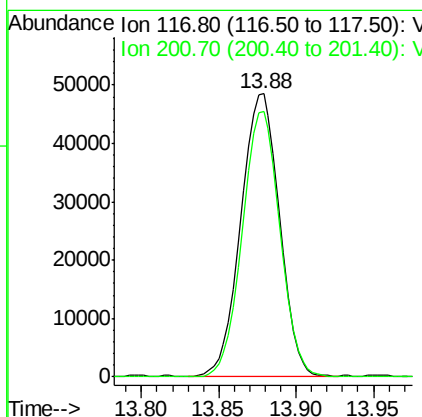
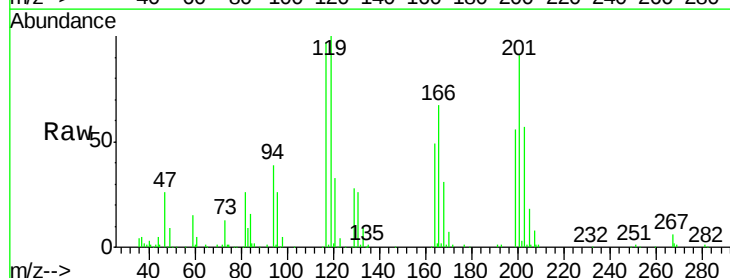
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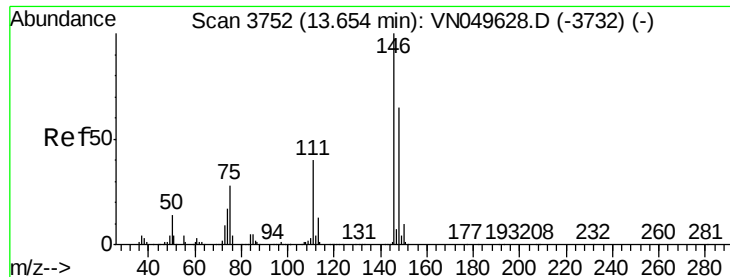
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#90
Hexachloroethane
Concen: 13.42 ug/l
RT: 13.88 min Scan# 3822
Delta R.T. 0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.1	40.1	120.2





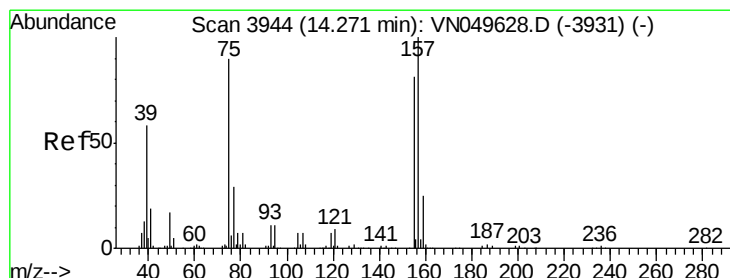
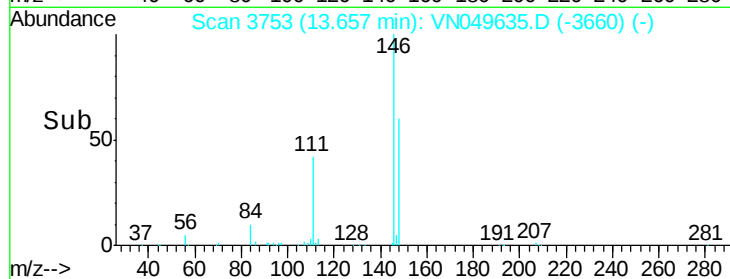
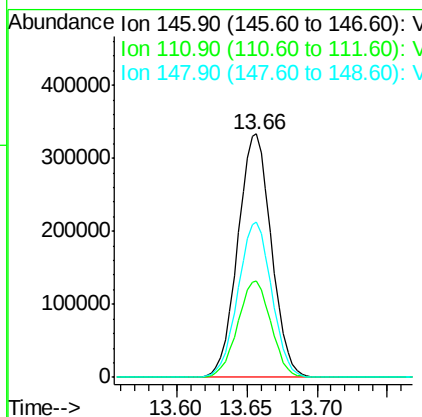
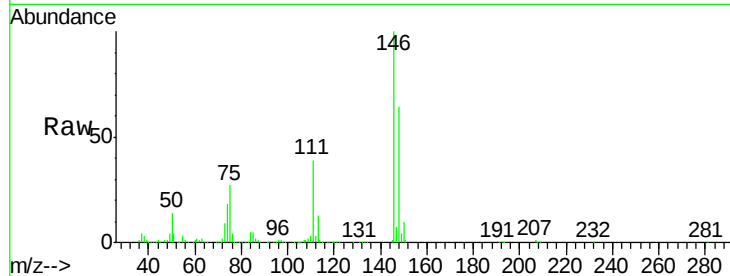
#91
1,2-Dichlorobenzene
Concen: 16.40 ug/l
RT: 13.66 min Scan# 3753
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.8	62.2
148	64.3	32.0	96.2

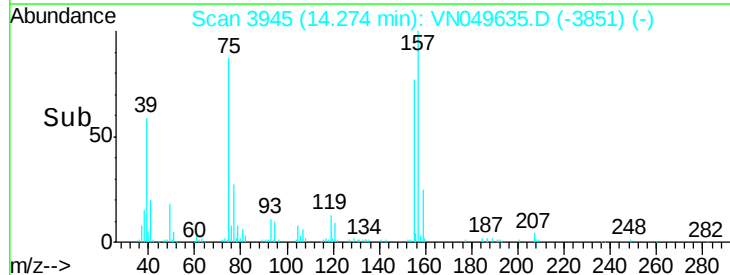
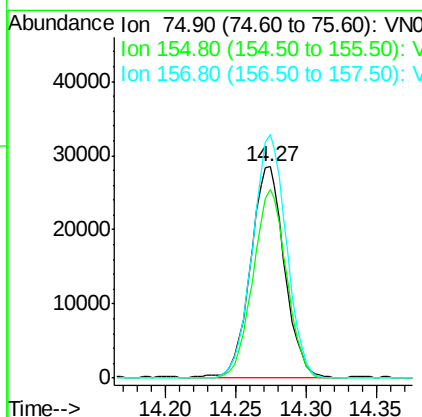
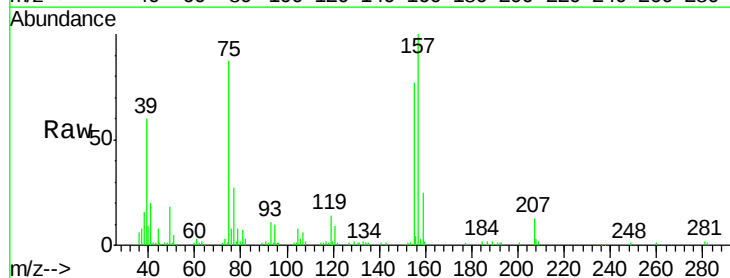
Manual Integrations
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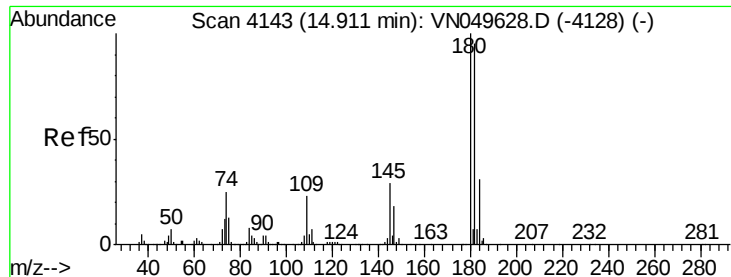
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#92
1,2-Dibromo-3-Chloropropane
Concen: 18.20 ug/l
RT: 14.27 min Scan# 3945
Delta R.T. 0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	38.8	116.3
157	114.0	51.0	153.1





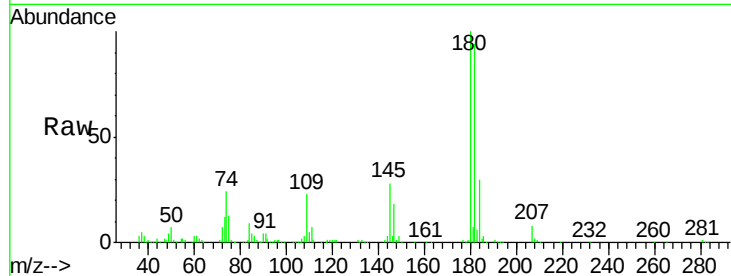
#93
 1,2,4-Trichlorobenzene
 Concen: 14.76 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBS01

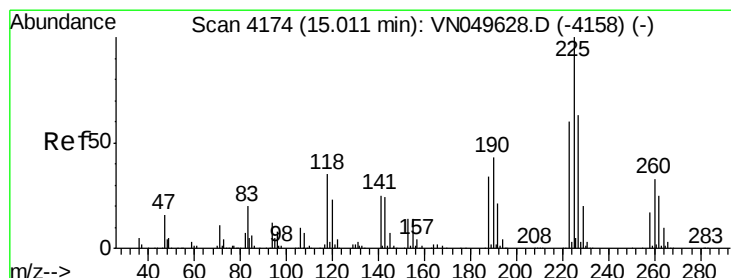
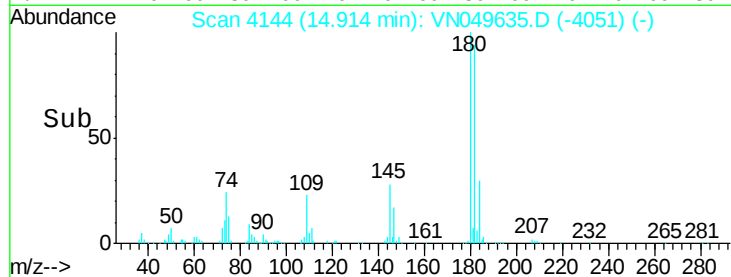
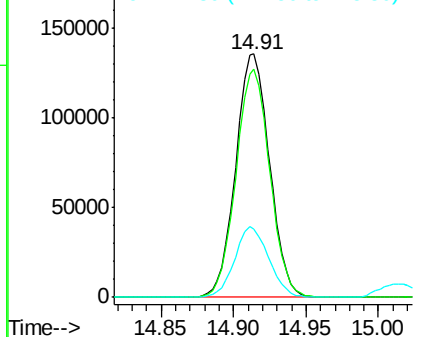
Tot Ion	Ratio	Resp	Lower	Upper
180	100	219969		
182	93.8	46.9	140.8	
145	29.2	14.7	44.1	

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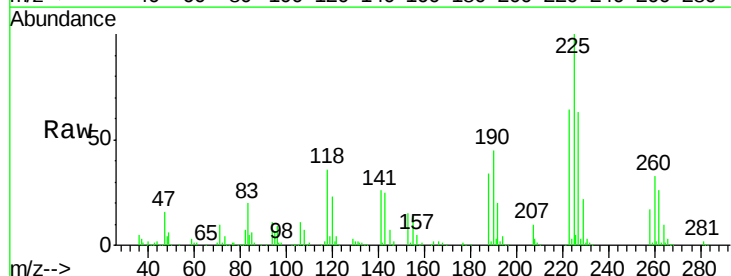


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

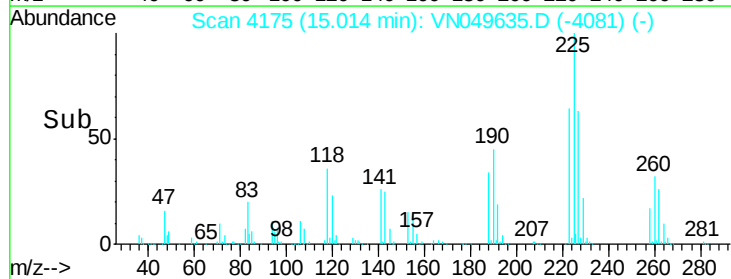
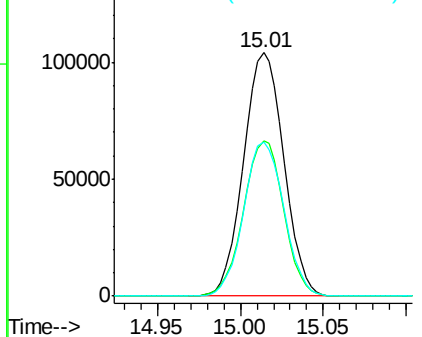


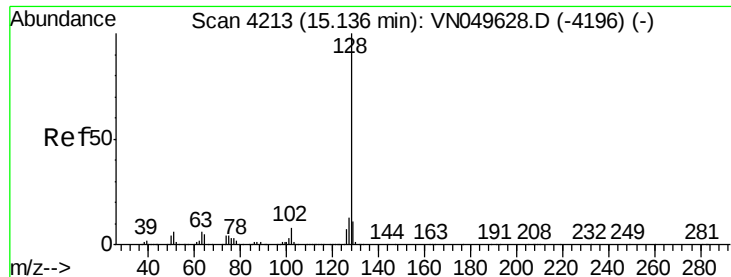
#94
 Hexachlorobutadiene
 Concen: 16.57 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	176395		
223	63.8	32.1	96.3	
227	63.1	31.8	95.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.23 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

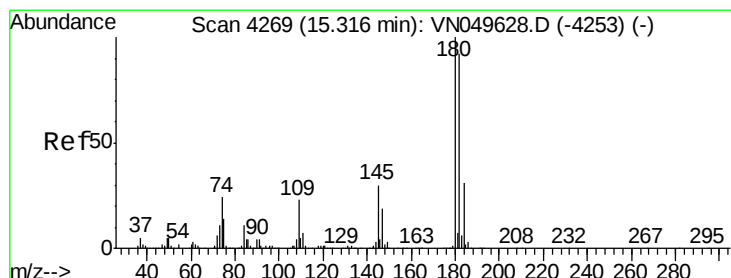
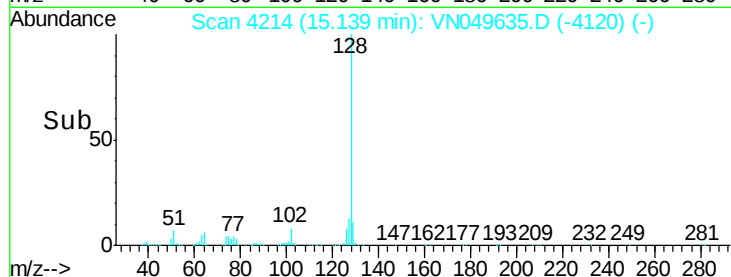
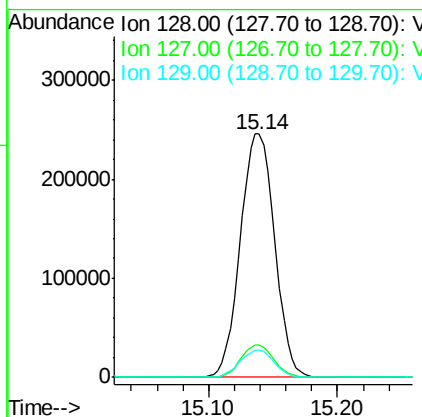
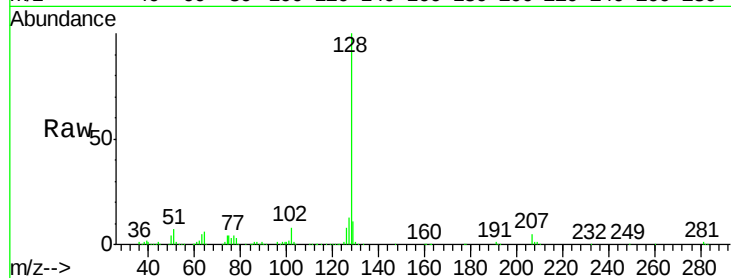
ClientSampled :

VN0629WBS01

Tot Ion:	128	Resp:	455817
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	11.1	8.5	12.7

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#96

1,2,3-Trichlorobenzene

Concen: 15.60 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion:	180	Resp:	232125
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.3	141.8
145	29.9	15.6	46.7

