

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049691.D
 Acq On : 3 Jul 2018 14:11
 Operator : MD\SY
 Sample : J3811-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:04:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1228119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1956600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1687859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	947401	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	826570	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	7.59	113	699587	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
50) Toluene-d8	10.09	98	2642270	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
62) 4-Bromofluorobenzene	12.40	95	952361	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	6505	0.38	ug/l	99
11) Tert butyl alcohol	4.80	59	725	0.78	ug/l #	72
13) Acrolein	3.62	56	1056	1.21	ug/l #	15
16) Acetone	3.82	43	20671	Below	Cal	95
17) Carbon Disulfide	4.05	76	307874	7.45	ug/l	100
18) Methyl Acetate	4.33	43	36907	Below	Cal	93
25) 2-Butanone	6.85	43	9178	1.70	ug/l #	89
27) cis-1,2-Dichloroethene	6.83	96	73221	4.42	ug/l	86
36) 1,1-Dichloropropene	7.67	75	82556	3.75	ug/l #	44
37) Ethyl Acetate	6.85	43	9178	0.71	ug/l #	1
38) Carbon Tetrachloride	7.67	117	107523	5.02	ug/l #	16
43) Isopropyl Acetate	8.27	43	284837	10.72	ug/l #	62
44) Trichloroethene	8.84	130	61638	3.04	ug/l	99
49) 1,4-Dioxane	9.21	88	63	0.41	ug/l #	1
51) 4-Methyl-2-Pentanone	10.00	43	8005	0.64	ug/l	97
52) Toluene	10.16	92	18585	0.46	ug/l	95
55) 1,1,2-Trichloroethane	10.54	97	3965	0.26	ug/l #	20
58) 2-Chloroethyl Vinyl ether	9.42	63	64	10.83	ug/l #	48
59) 2-Hexanone	10.75	43	2996	0.36	ug/l	95
60) Dibromochloromethane	10.63	129	17452	1.07	ug/l #	11
64) Tetrachloroethene	10.63	164	20328	0.89	ug/l	99
67) Ethyl Benzene	11.51	91	672807	9.24	ug/l	98
68) m/p-Xylenes	11.62	106	2446203	87.70	ug/l	100
69) o-Xylene	11.95	106	3110068	116.46	ug/l	98
70) Styrene	11.95	104	155789	3.61	ug/l #	1
73) Isopropylbenzene	12.25	105	1966606	26.06	ug/l	100
74) N-amyl acetate	12.05	43	52621	2.55	ug/l #	52
76) 1,2,3-Trichloropropane	12.59	75	30253	1.99	ug/l #	100
78) n-propylbenzene	12.59	91	5255102	60.76	ug/l	100
79) 2-Chlorotoluene	12.66	91	3658005	66.83	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.72	105	1204122	19.20	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.25	75	21971	4.91	ug/l #	67
82) 4-Chlorotoluene	12.74	91	2674439	48.59	ug/l #	41
83) tert-Butylbenzene	13.00	119	493103	9.15	ug/l	97

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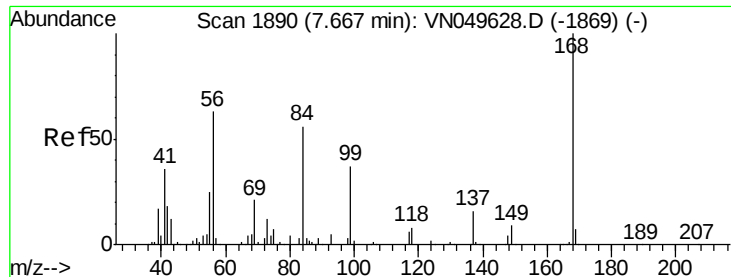
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:04:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
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 Response via : Initial Calibration

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

84) 1,2,4-Trimethylbenzene	13.17	105	2069416	32.12	ug/l #	31
85) sec-Butylbenzene	13.17	105	2069416	28.99	ug/l #	77
86) p-Isopropyltoluene	13.29	119	2306927	37.32	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	1613	Below Cal	#	1
88) 1,4-Dichlorobenzene	13.37	146	5889	Below Cal	#	1
89) n-Butylbenzene	13.62	91	530728	10.03	ug/l #	58
90) Hexachloroethane	13.89	117	303061	46.67	ug/l #	4
91) 1,2-Dichlorobenzene	13.65	146	4481	Below Cal	#	30
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12404	3.74	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1893	2.51	ug/l #	1
94) Hexachlorobutadiene	15.02	225	116	Below Cal	#	60
95) Naphthalene	15.14	128	1133688	31.12	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	1625	1.74	ug/l #	77

(#) = 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: VN049691.D

Acq: 3 Jul 2018 14:11

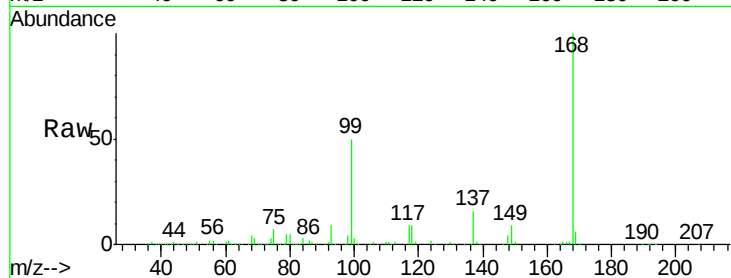
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1228119

Ion Ratio Lower Upper

168 100

99 50.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

300000

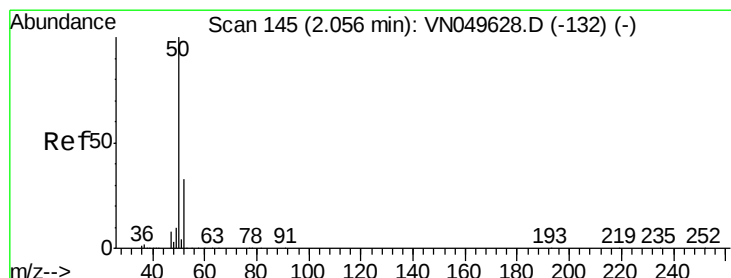
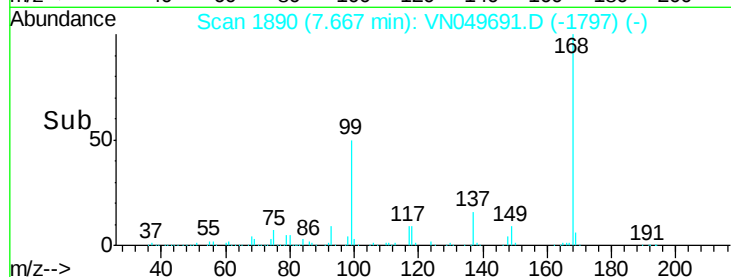
200000

100000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: 0.38 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049691.D

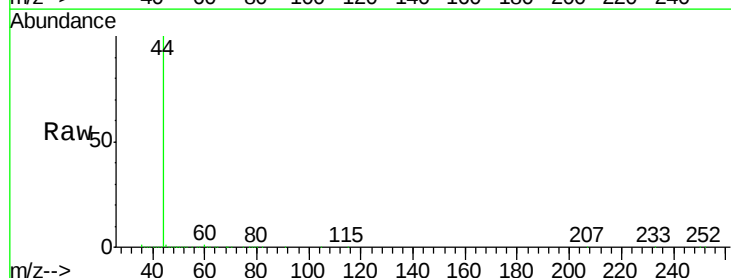
Acq: 3 Jul 2018 14:11

Tgt Ion: 50 Resp: 6505

Ion Ratio Lower Upper

50 100

52 32.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

5000

4000

3000

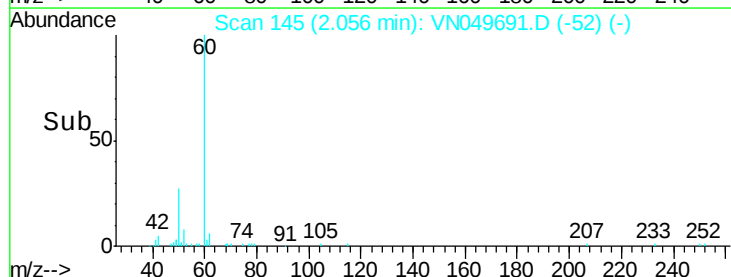
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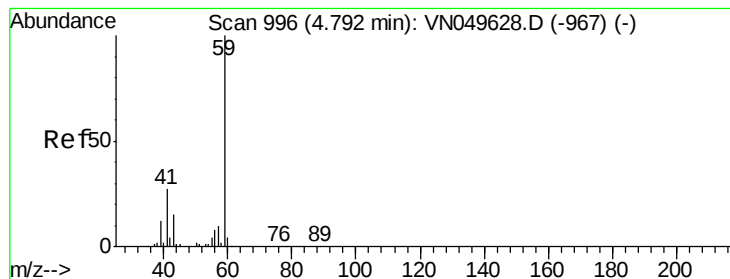
1000

0

Time-->

2.00 2.05 2.10



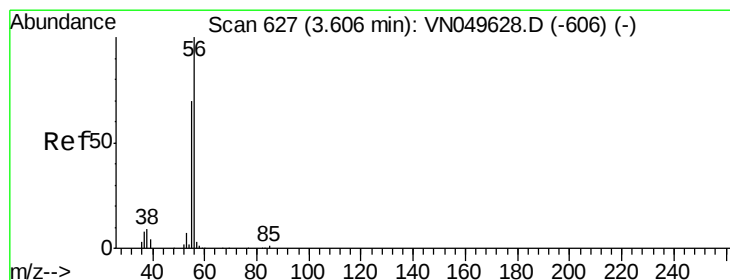
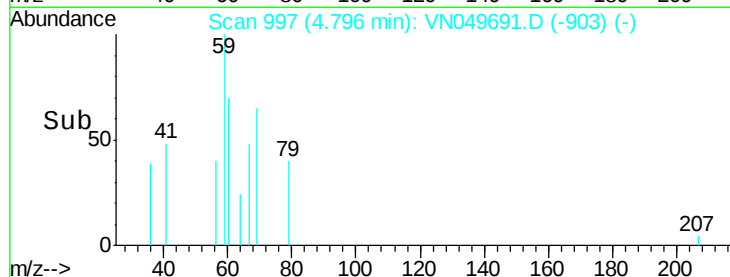
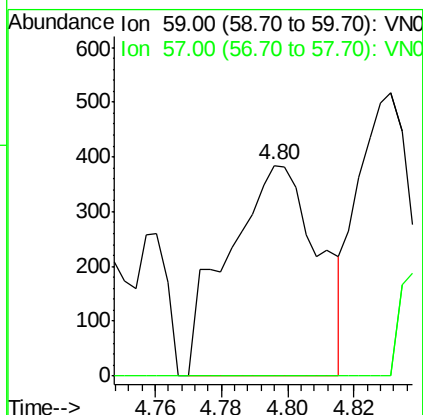
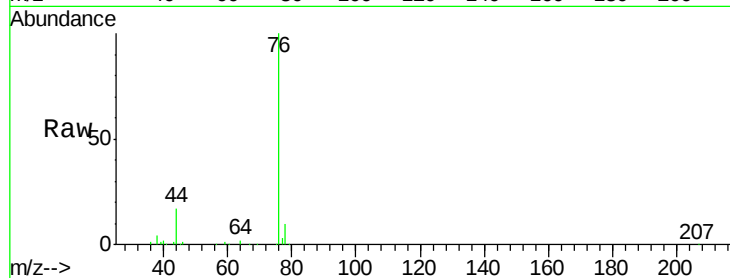


#11

Tert butyl alcohol
Concen: 0.78 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampled :

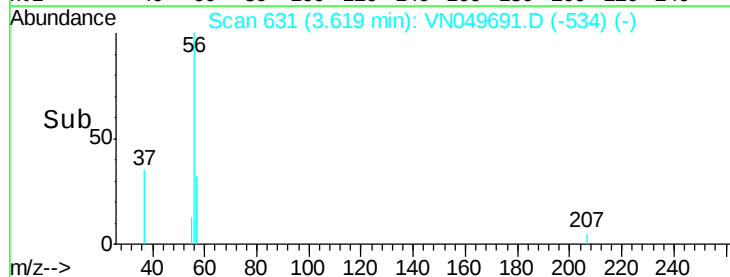
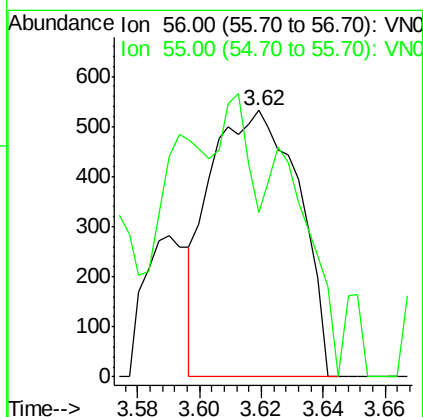
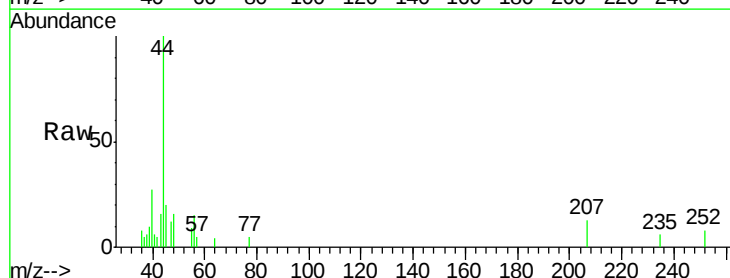
Tot Ion: 59 Resp: 725
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

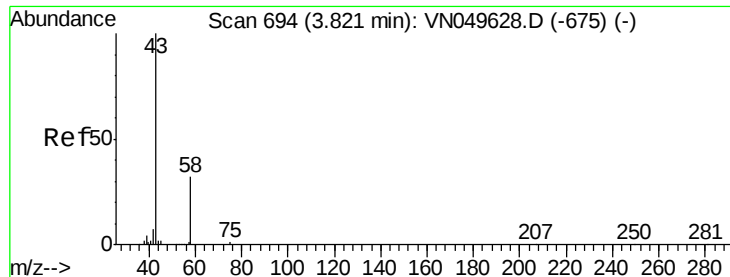


#13

Acrolein
Concen: 1.21 ug/l
RT: 3.62 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion: 56 Resp: 1056
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

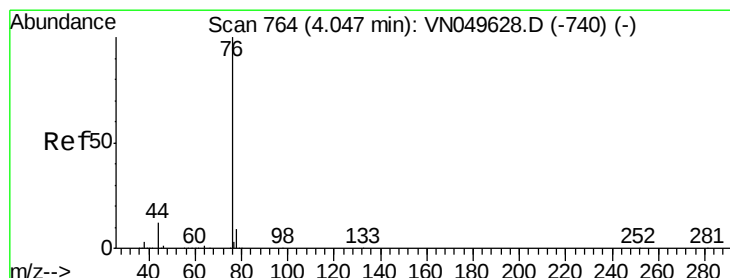
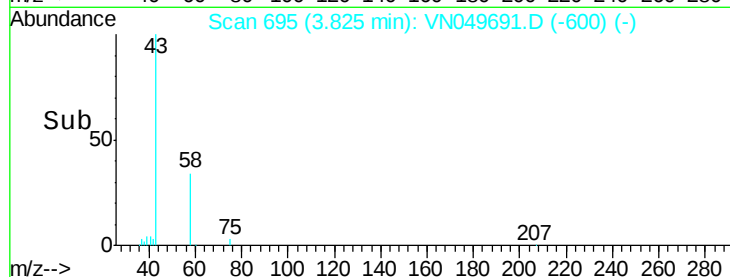
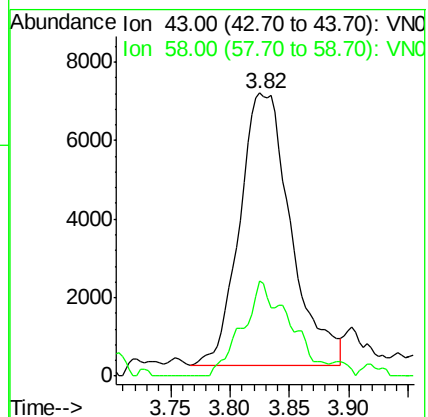
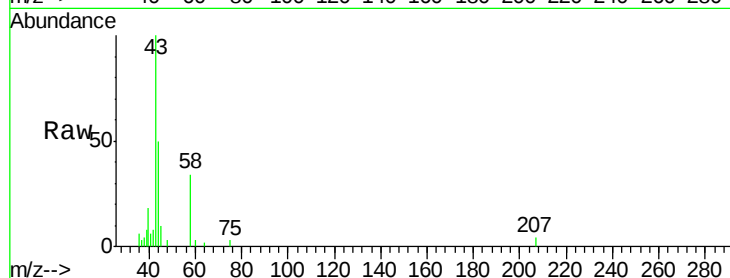
ClientSampled :

Tot Ion: 43 Resp: 20671

Ion Ratio Lower Upper

43 100

58 35.0 25.9 38.9



#17

Carbon Disulfide

Concen: 7.45 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049691.D

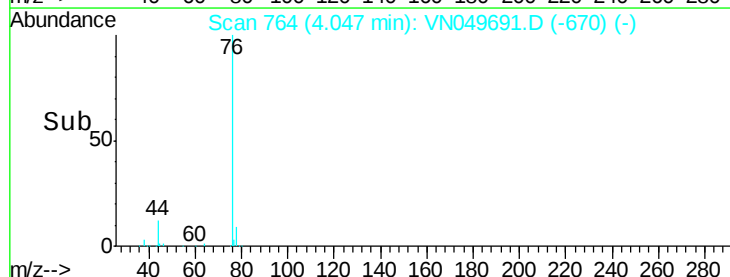
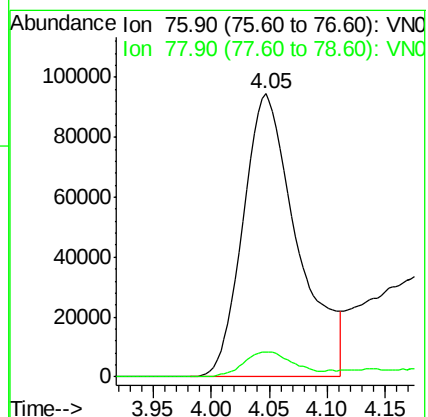
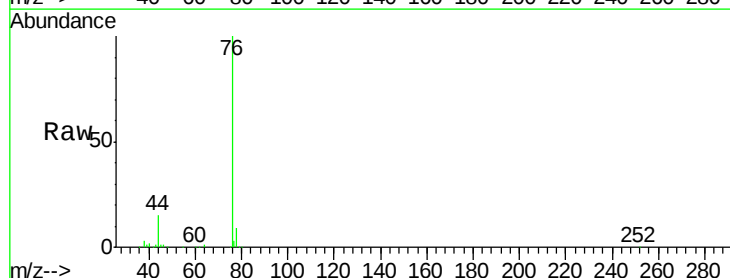
Acq: 3 Jul 2018 14:11

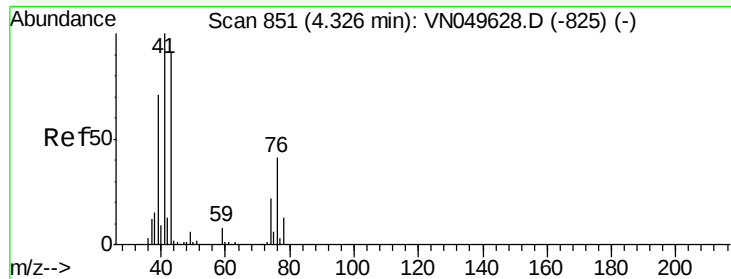
Tgt Ion: 76 Resp: 307874

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

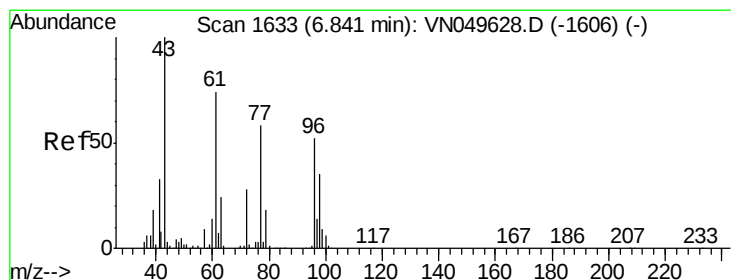
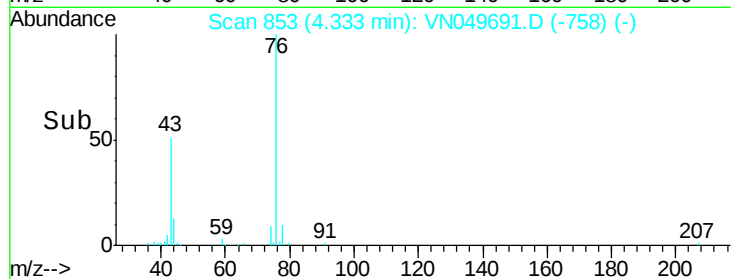
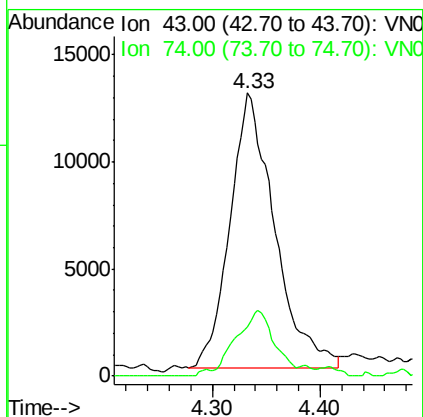
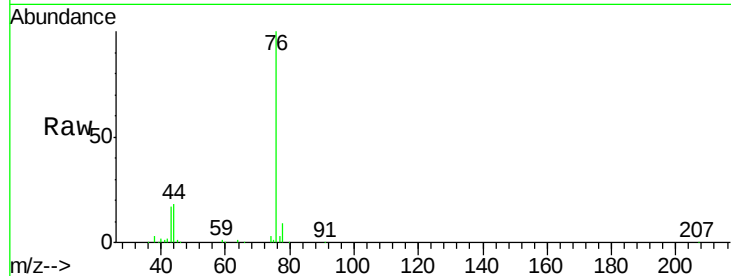




#18
Methvl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

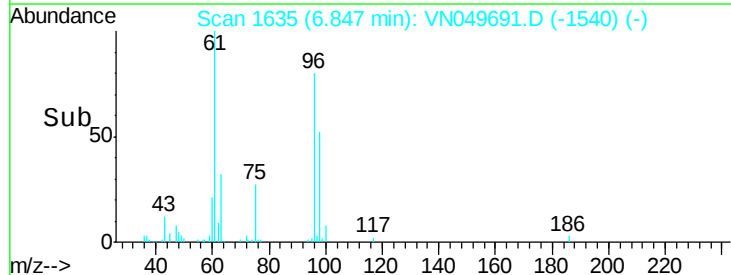
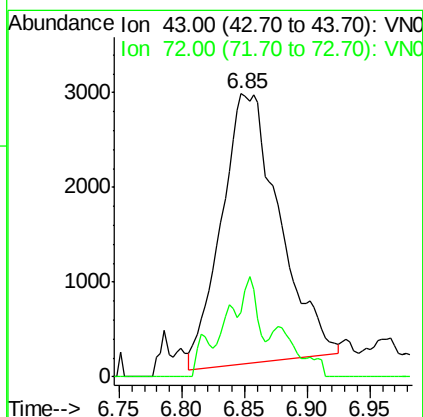
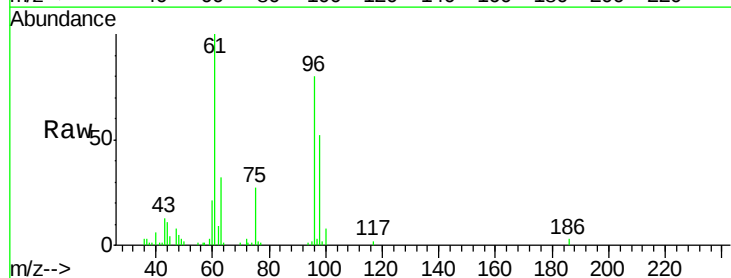
Instrument :
MSVOA_N
ClientSampleId :

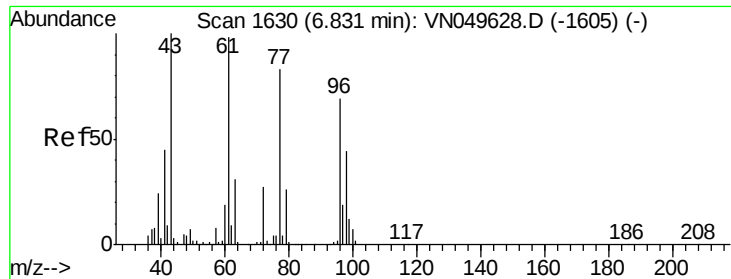
Tot Ion: 43 Resp: 36907
Ion Ratio Lower Upper
43 100
74 21.1 19.8 29.8



#25
2-Butanone
Concen: 1.70 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion: 43 Resp: 9178
Ion Ratio Lower Upper
43 100
72 33.2 22.1 33.1#





#27

cis-1,2-Dichloroethene

Concen: 4.42 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

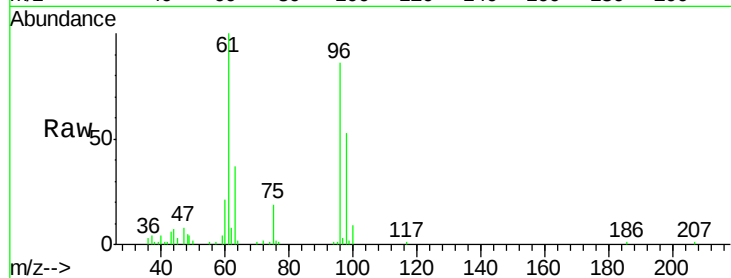
Tot Ion: 96 Resp: 73221

Ion Ratio Lower Upper

96 100

61 121.3 0.0 289.0

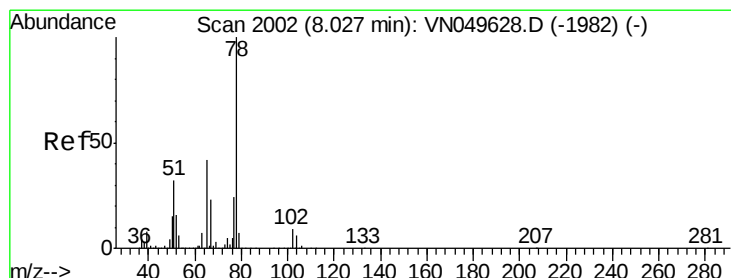
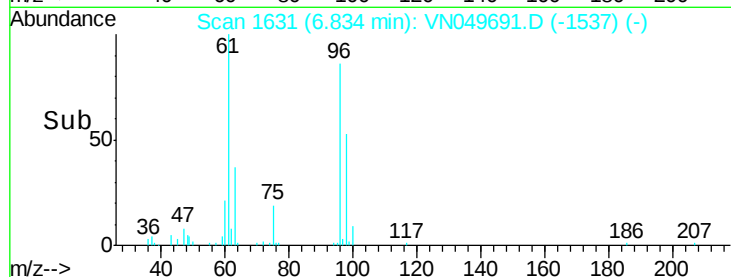
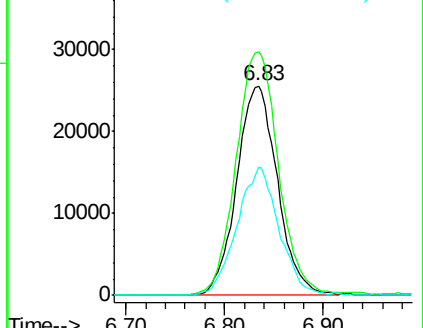
98 63.0 0.0 130.2



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

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

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



#33

1,2-Dichloroethane-d4

Concen: 50.96 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049691.D

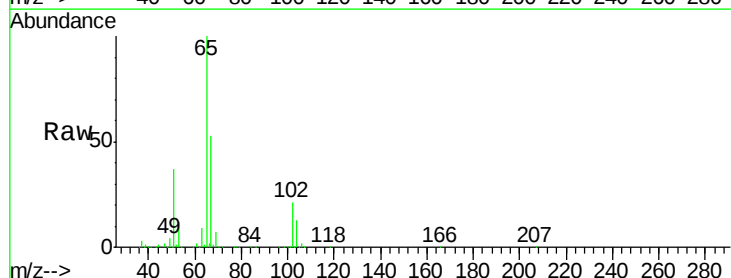
Acq: 3 Jul 2018 14:11

Tgt Ion: 65 Resp: 826570

Ion Ratio Lower Upper

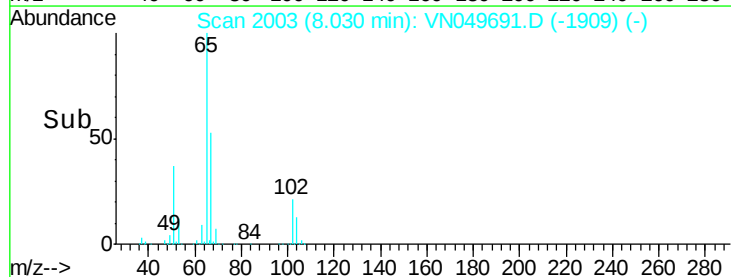
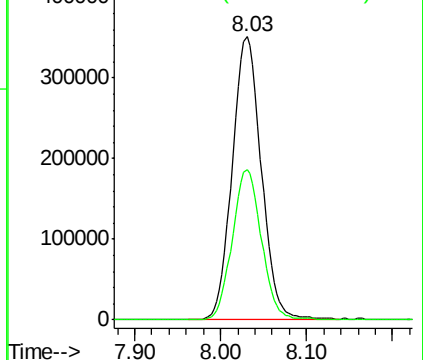
65 100

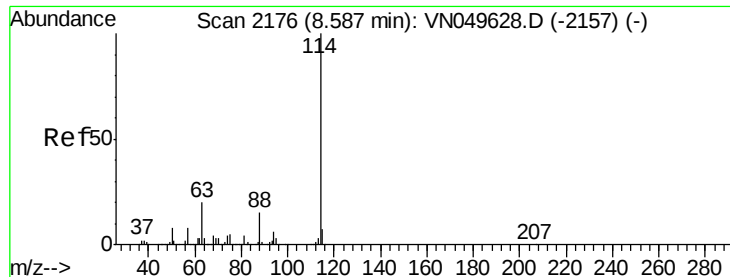
67 53.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049628.D (-1982) (-)

Ion 66.90 (66.60 to 67.60): VN049628.D (-1982) (-)

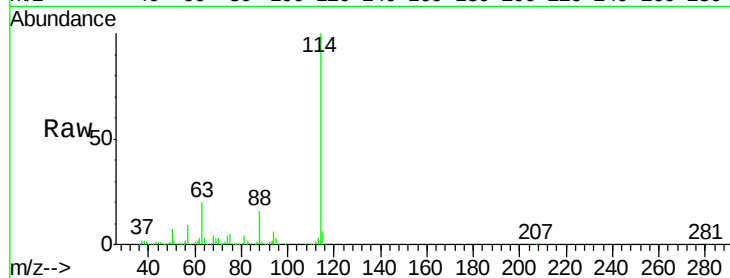




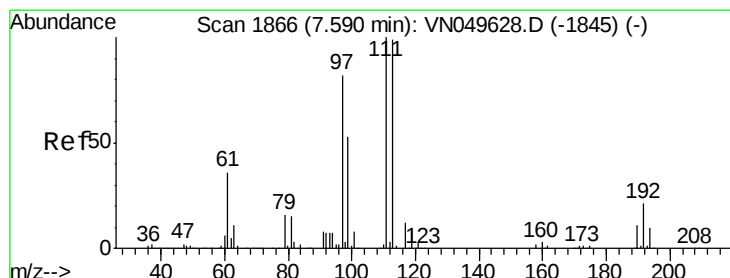
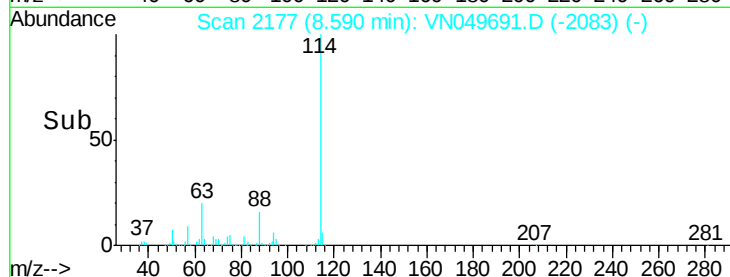
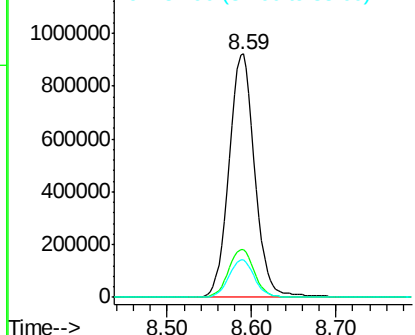
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049691.D
 Acq: 3 Jul 2018 14:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1956600
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.5 0.0 30.6

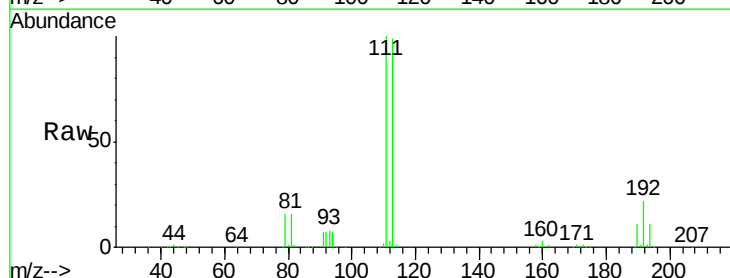


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

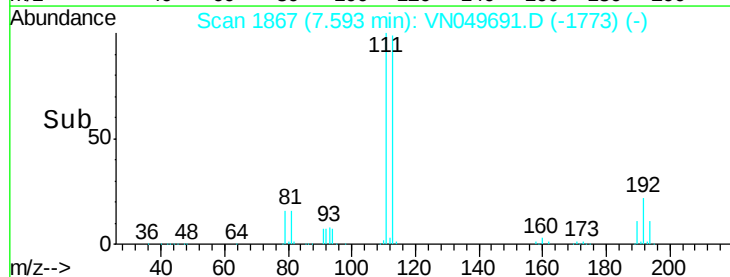
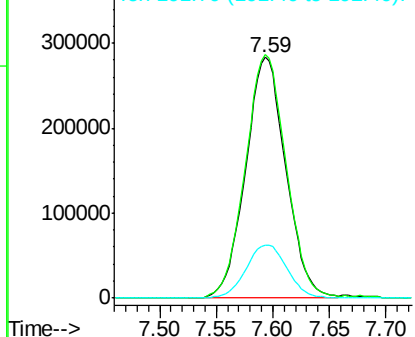


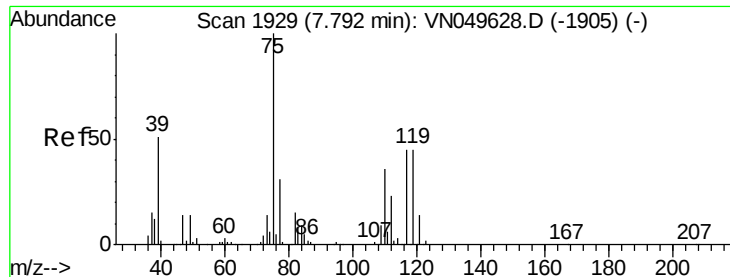
#35
 Dibromofluoromethane
 Concen: 47.83 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049691.D
 Acq: 3 Jul 2018 14:11

Tgt Ion:113 Resp: 699587
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.8 122.8
 192 22.7 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.75 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.12 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

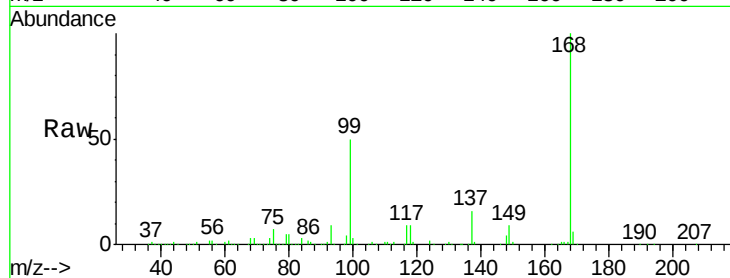
Tot Ion: 75 Resp: 82556

Ion Ratio Lower Upper

75 100

110 3.6 18.1 54.4#

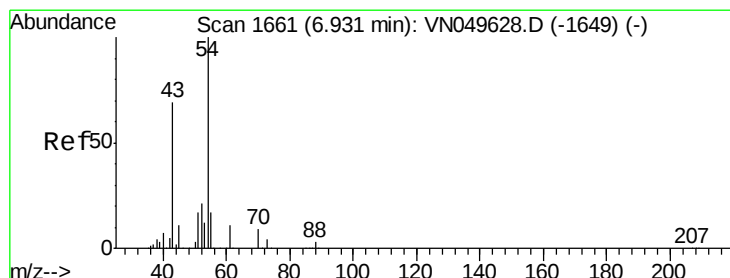
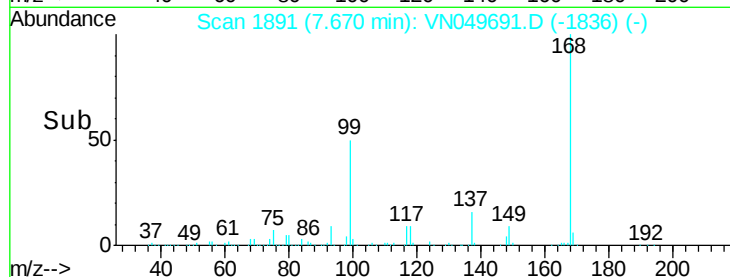
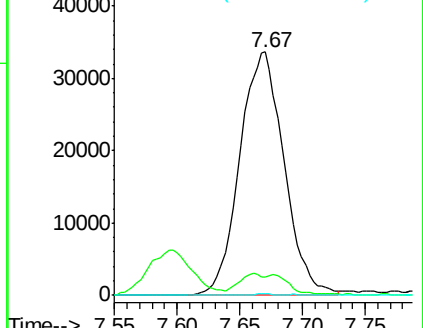
77 0.2 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN049628.D (-1905) (-)

Ion 109.90 (109.60 to 110.60): VN049628.D (-1905) (-)

Ion 76.90 (76.60 to 77.60): VN049628.D (-1905) (-)



#37

Ethyl Acetate

Concen: 0.71 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. -0.08 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

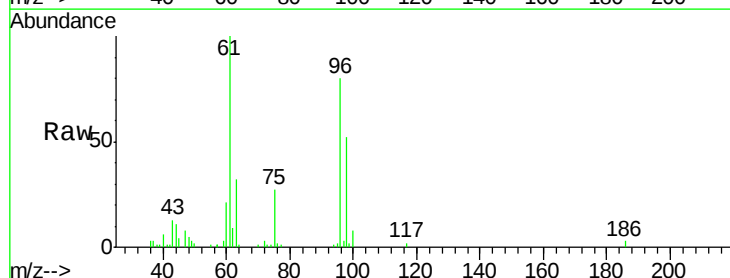
Tgt Ion: 43 Resp: 9178

Ion Ratio Lower Upper

43 100

61 967.4 11.7 17.5#

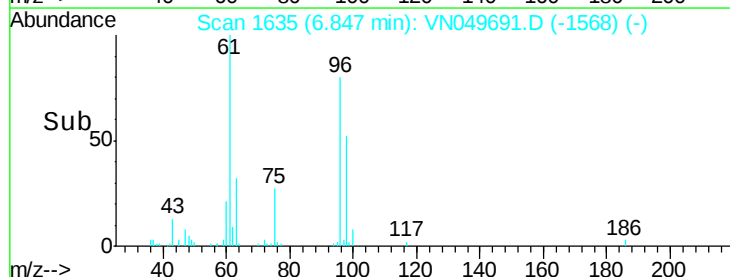
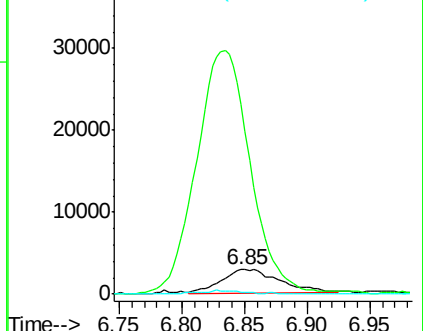
70 10.6 8.4 12.6

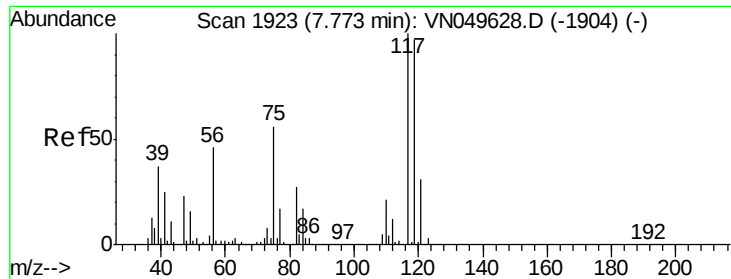


Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-1649) (-)

Ion 60.90 (60.60 to 61.60): VN049628.D (-1649) (-)

Ion 70.00 (69.70 to 70.70): VN049628.D (-1649) (-)

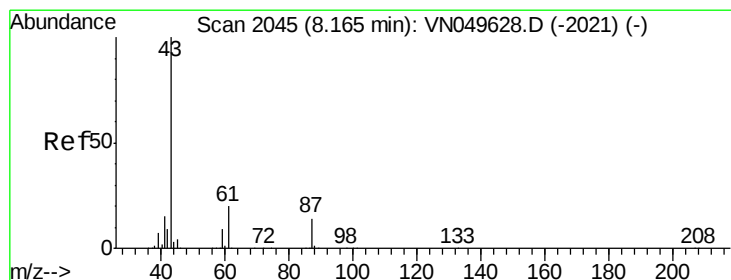
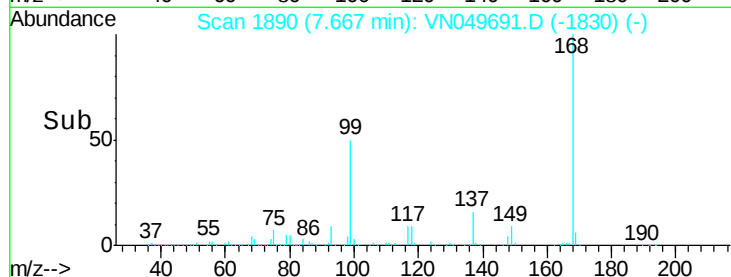
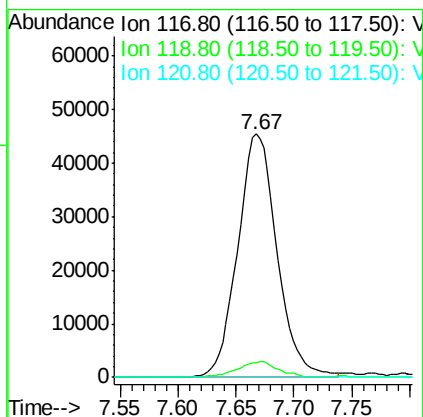
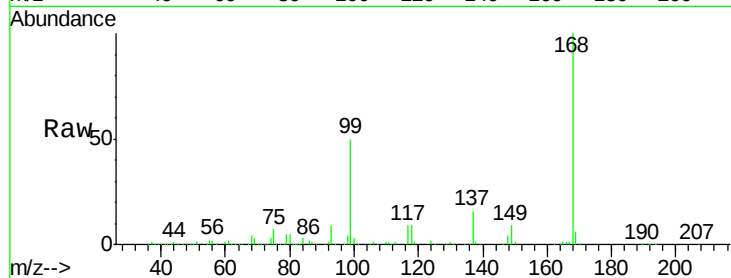




#38
Carbon Tetrachloride
Concen: 5.02 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

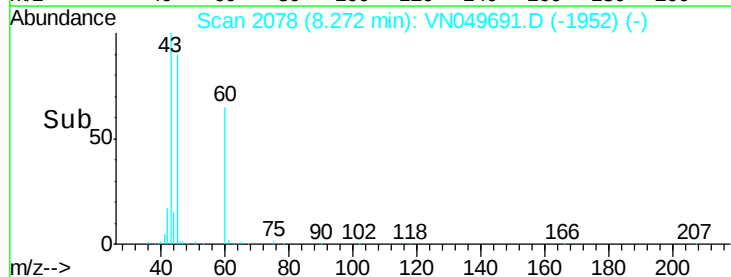
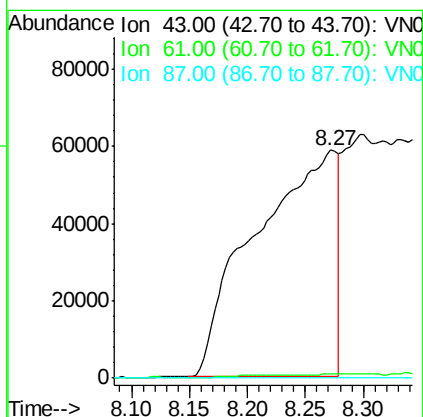
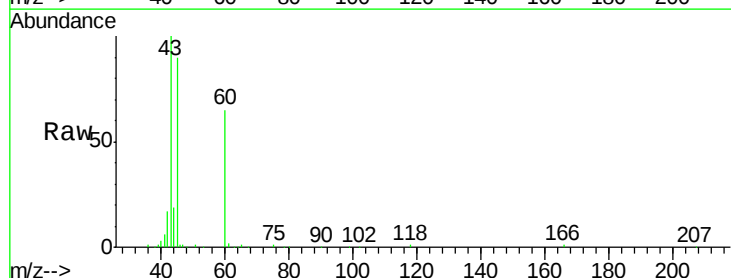
Instrument :
MSVOA_N
ClientSampled :

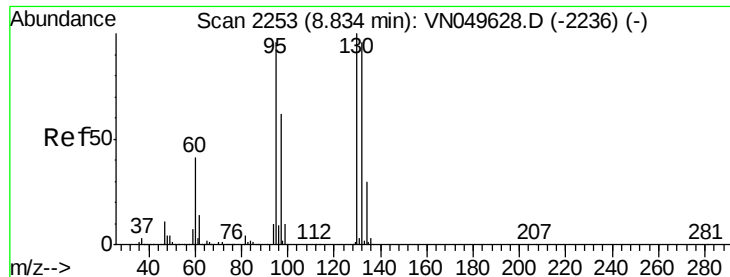
Tot Ion:117 Resp: 107523
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 10.72 ug/l
RT: 8.27 min Scan# 2078
Delta R.T. 0.11 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion: 43 Resp: 284837
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 10.0 15.0#





#44

Trichloroethene

Concen: 3.04 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

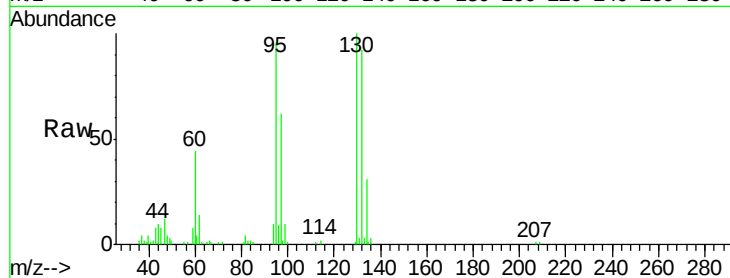
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:130 Resp: 61638

Ion Ratio Lower Upper

130 100

95 95.2 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.84

30000

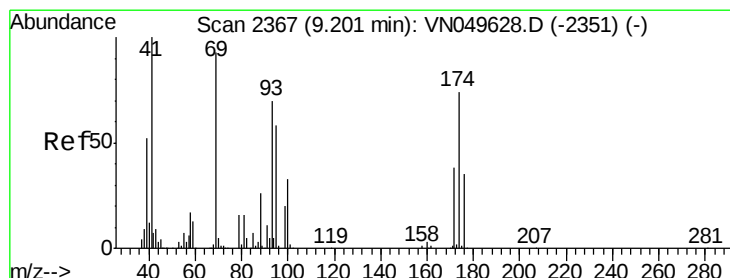
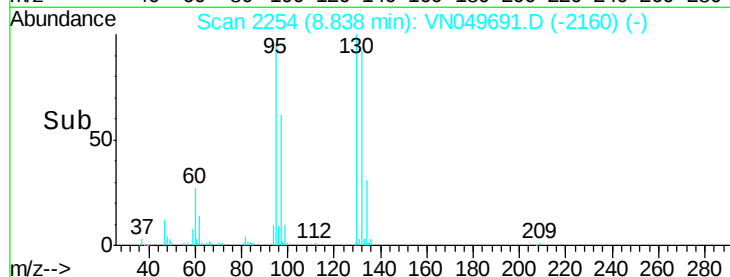
20000

10000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#49

1,4-Dioxane

Concen: 0.41 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.01 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

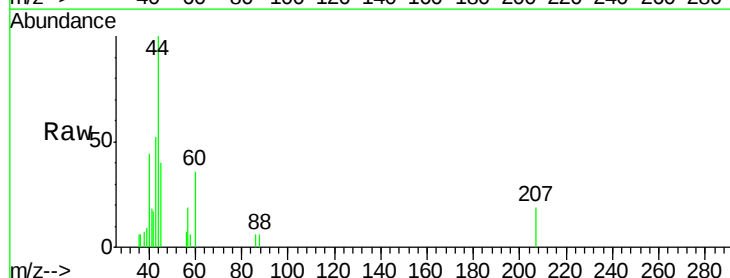
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

58 592.1 52.5 78.7#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

2500

2000

1500

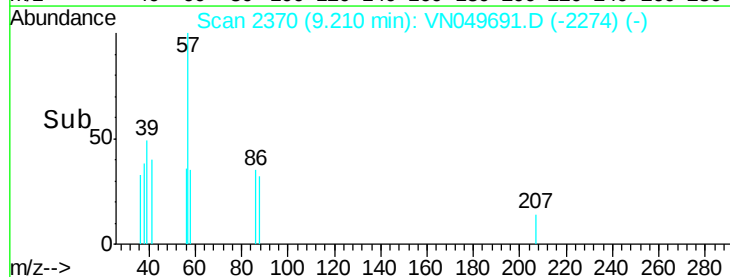
1000

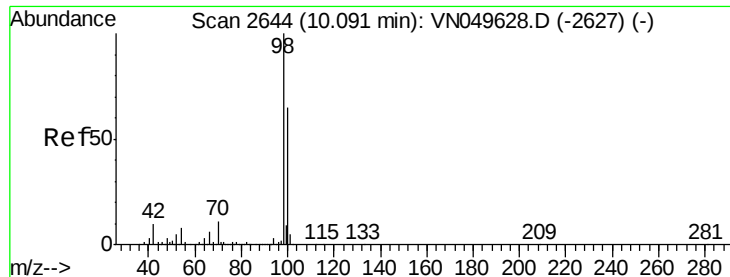
500

0

9.20 9.21 9.22

Time-->

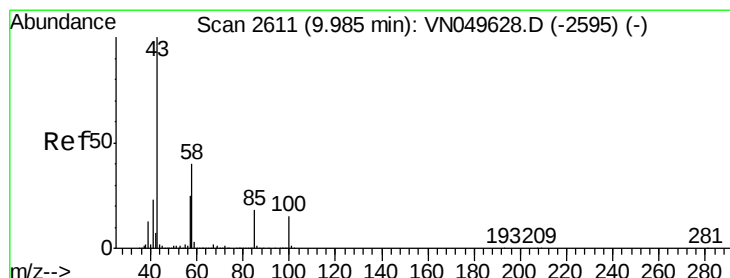
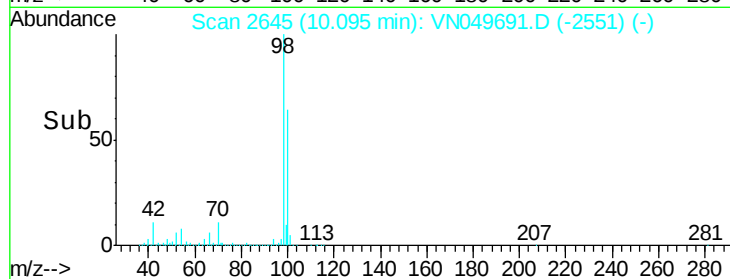
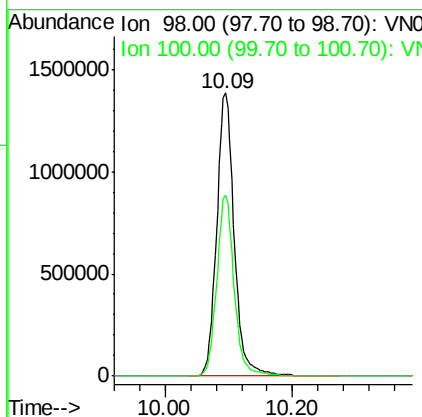
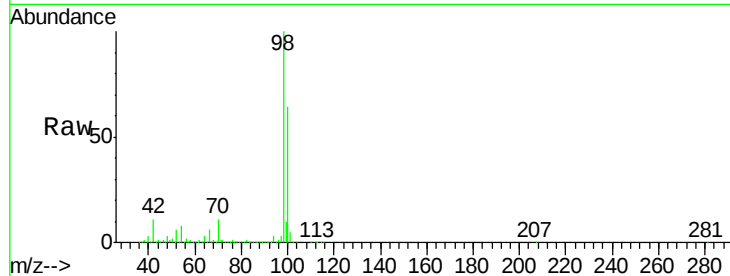




#50
Toluene-d8
Concen: 46.15 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

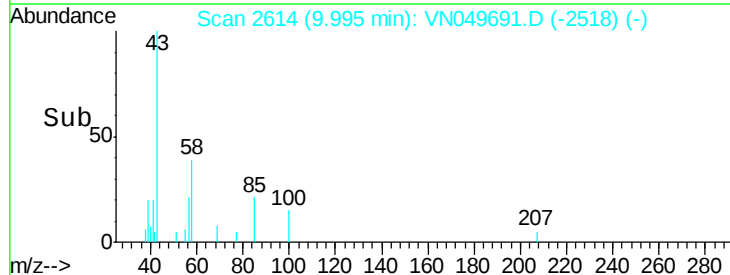
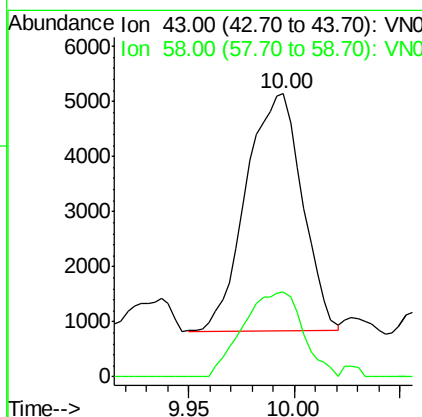
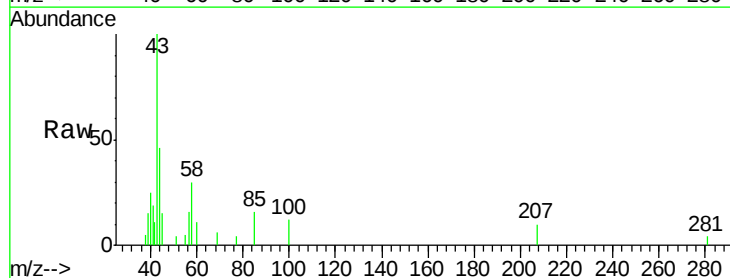
Instrument :
MSVOA_N
ClientSampleId :

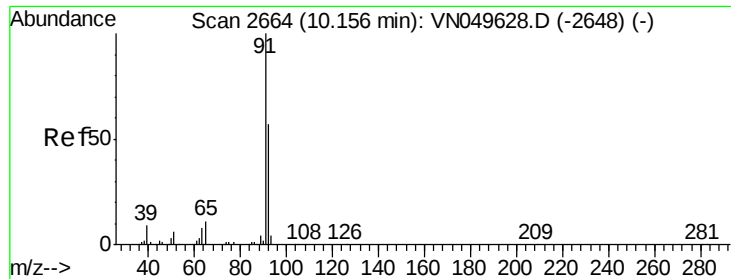
Tot Ion: 98 Resp: 2642270
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.64 ug/l
RT: 10.00 min Scan# 2614
Delta R.T. 0.01 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion: 43 Resp: 8005
Ion Ratio Lower Upper
43 100
58 37.9 31.8 47.8





#52

Toluene

Concen: 0.46 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

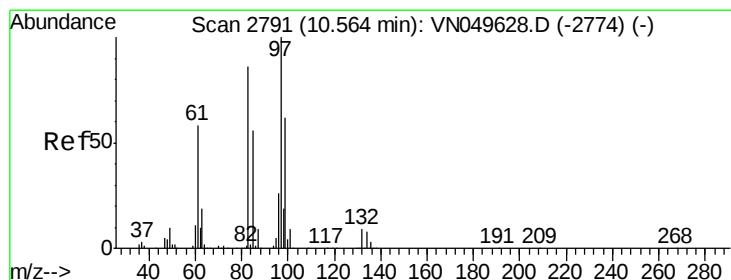
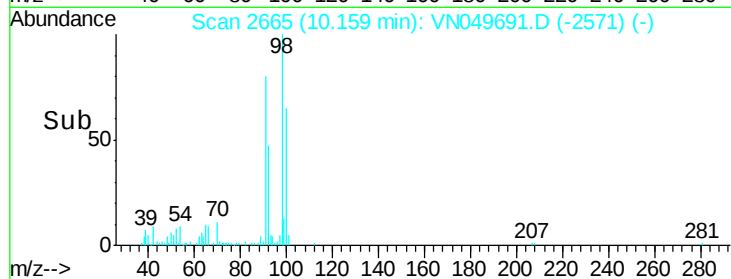
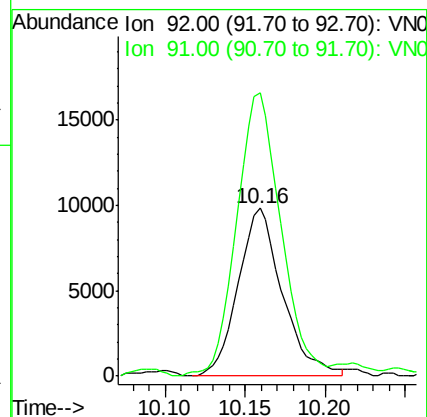
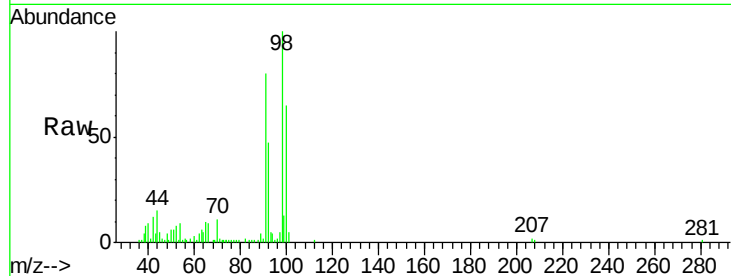
ClientSampled :

Tot Ion: 92 Resp: 18585

Ion Ratio Lower Upper

92 100

91 167.9 140.1 210.1



#55

1,1,2-Trichloroethane

Concen: 0.26 ug/l

RT: 10.54 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Tgt Ion: 97 Resp: 3965

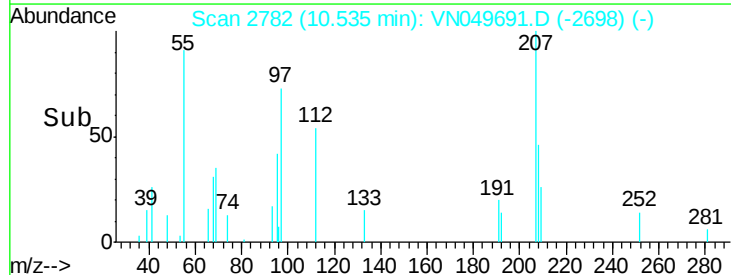
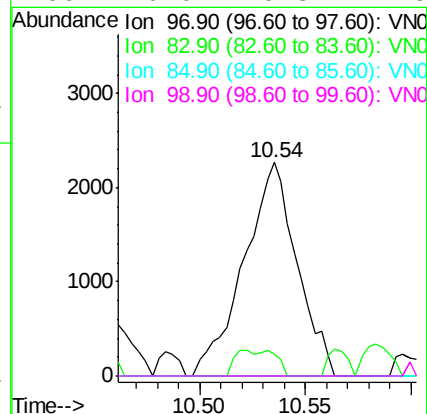
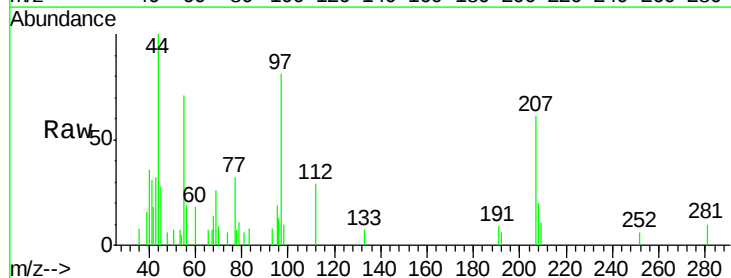
Ion Ratio Lower Upper

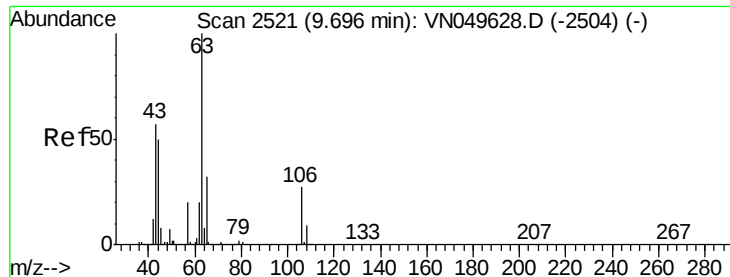
97 100

83 10.4 69.0 103.6#

85 0.0 44.9 67.3#

99 0.0 49.8 74.6#

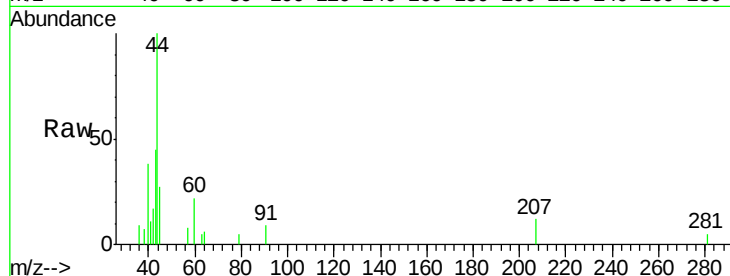




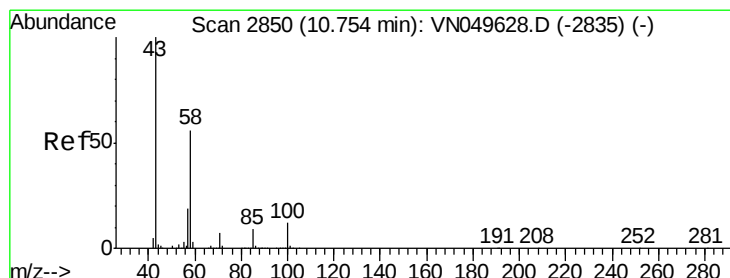
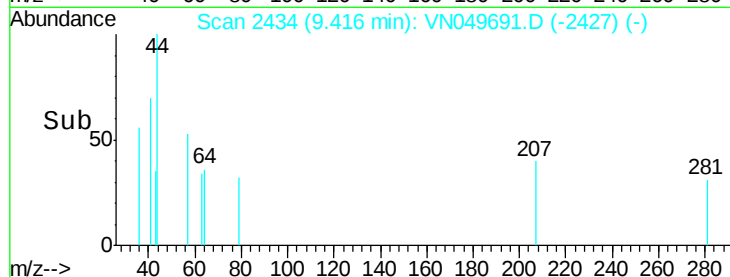
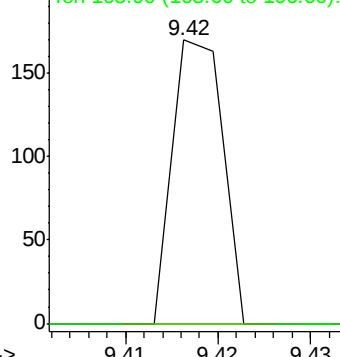
#58
2-Chloroethyl Vinyl ether
Concen: 10.83 ug/l
RT: 9.42 min Scan# 2434
Delta R.T. -0.28 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.8#

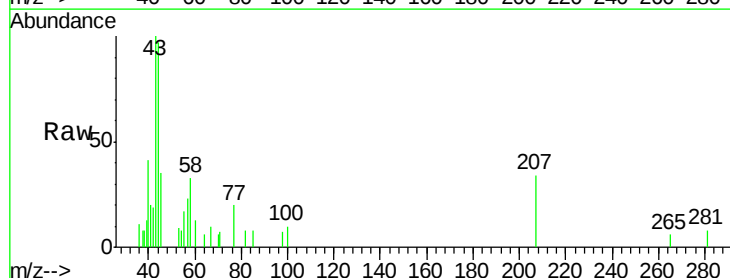


Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 105.90 (105.60 to 106.60): V

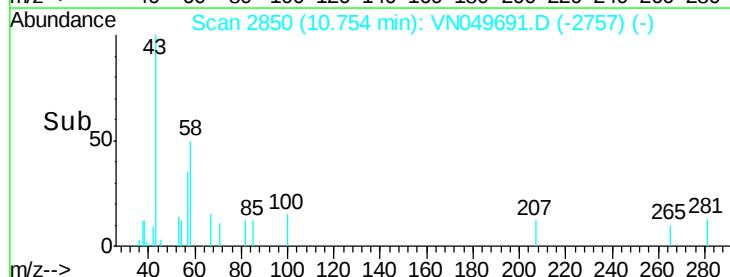
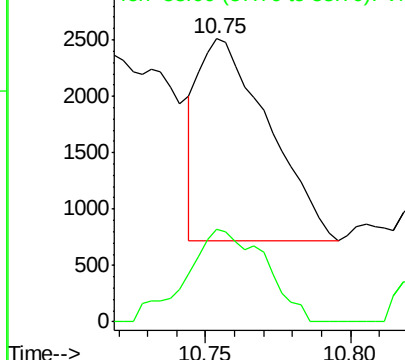


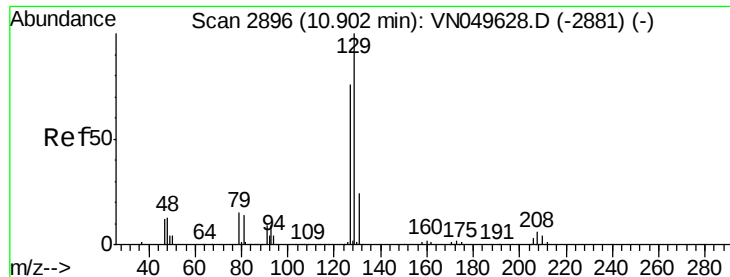
#59
2-Hexanone
Concen: 0.36 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion: 43 Resp: 2996
Ion Ratio Lower Upper
43 100
58 51.9 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 1.07 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.27 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

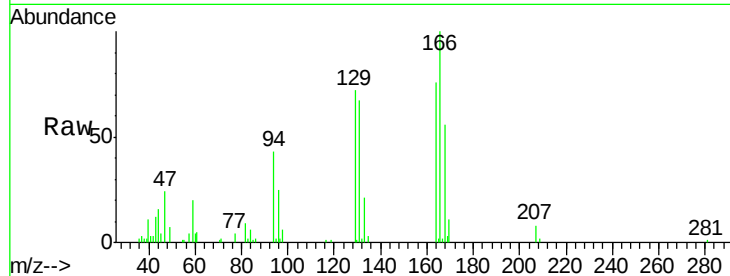
ClientSampleId :

Tot Ion:129 Resp: 17452

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.9#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

12000

10000

8000

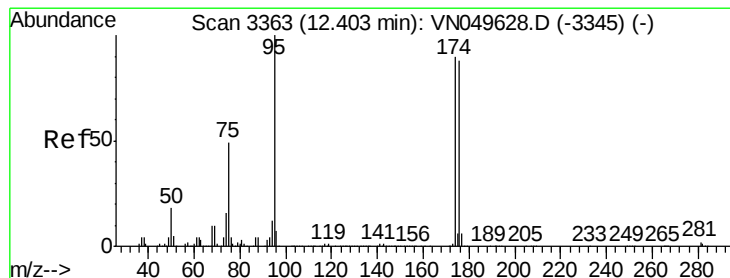
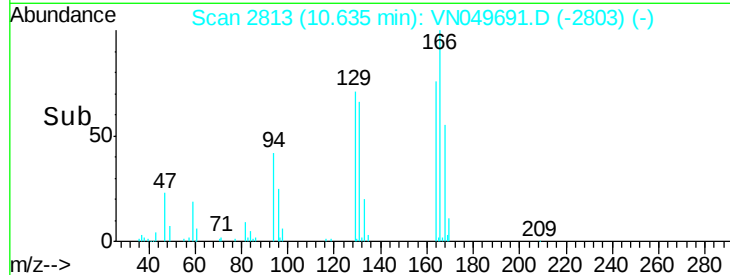
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.72 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

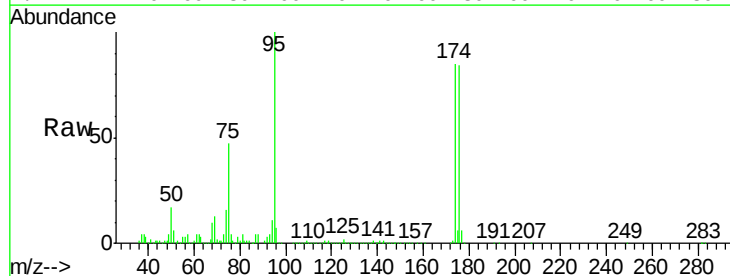
Tgt Ion: 95 Resp: 952361

Ion Ratio Lower Upper

95 100

174 89.8 0.0 179.6

176 87.5 0.0 174.0



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

800000

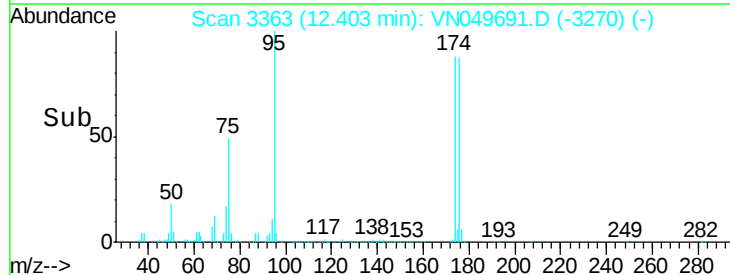
600000

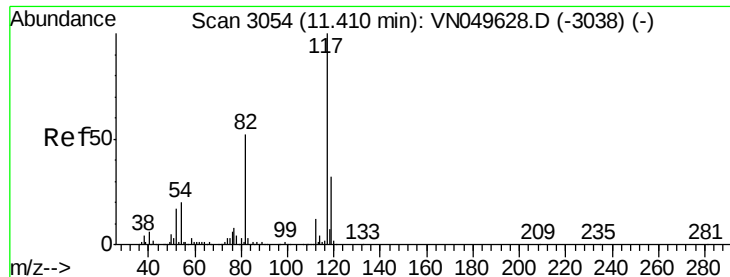
400000

200000

0

Time-->

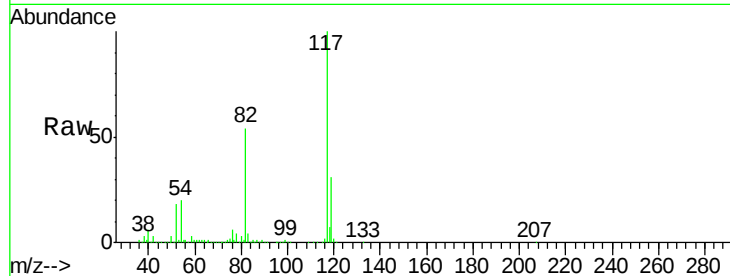




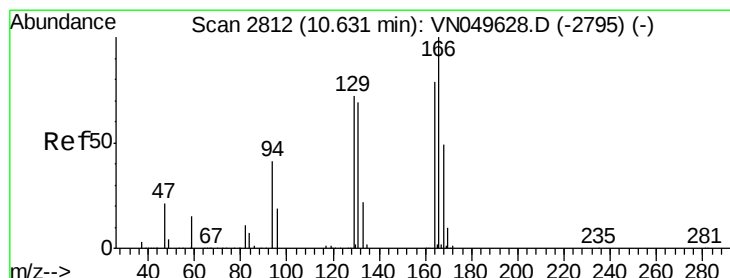
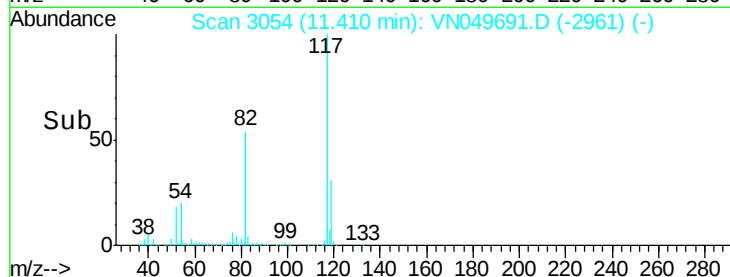
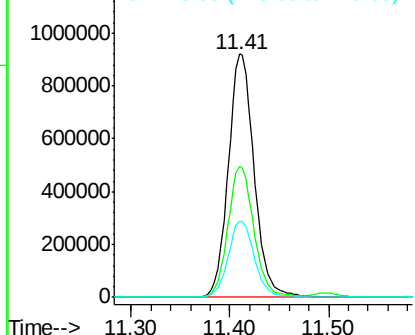
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1687859
Ion Ratio Lower Upper
117 100
82 54.0 41.9 62.9
119 31.3 25.4 38.2

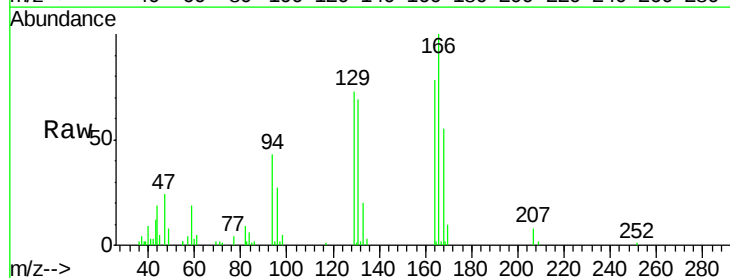


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

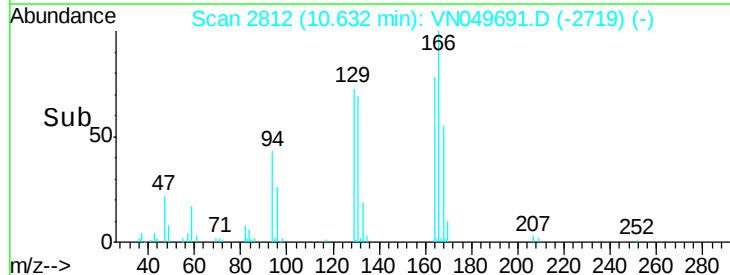
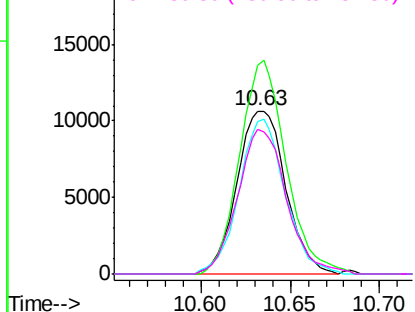


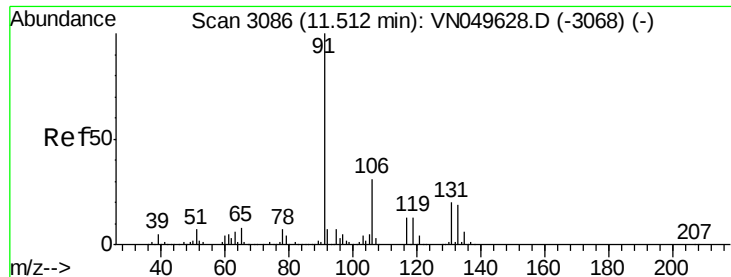
#64
Tetrachloroethene
Concen: 0.89 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion:164 Resp: 20328
Ion Ratio Lower Upper
164 100
166 127.8 101.8 152.6
129 93.6 72.8 109.2
131 88.5 70.0 105.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

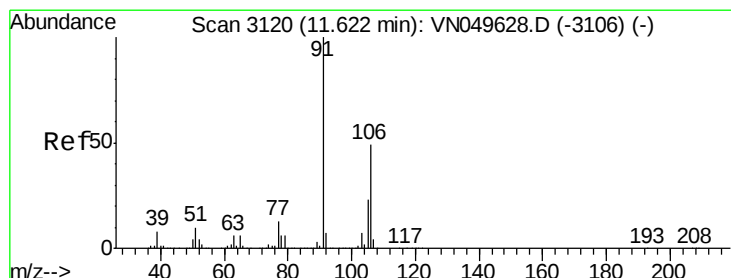
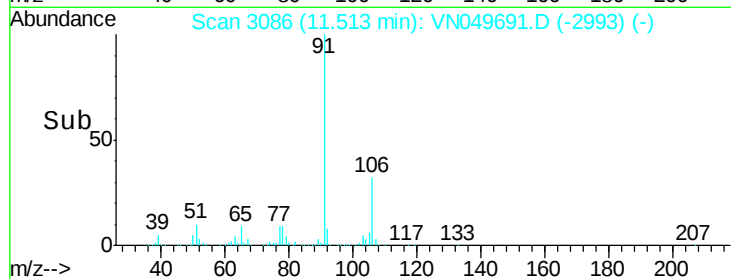
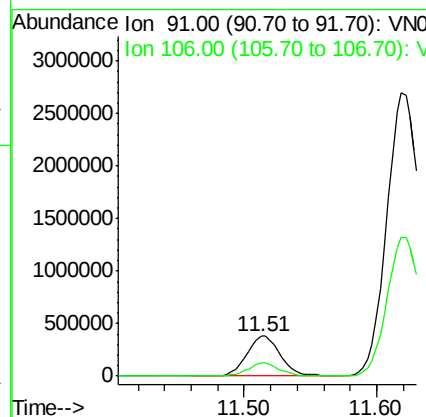
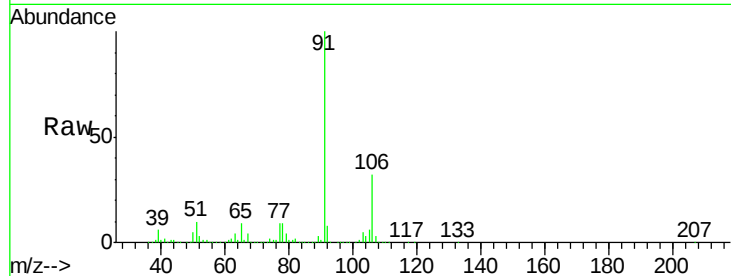




#67
Ethyl Benzene
Concen: 9.24 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

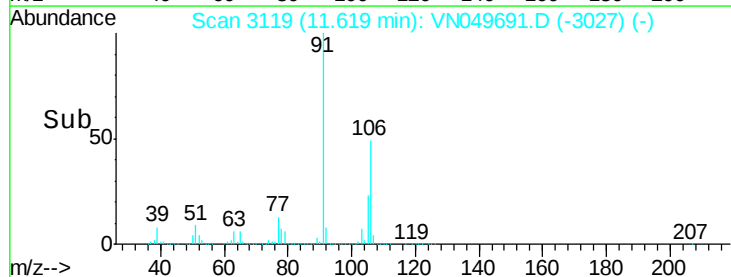
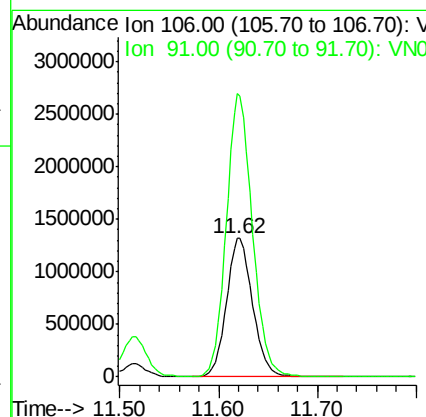
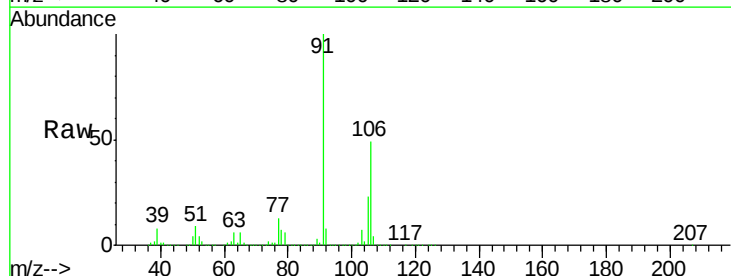
Instrument :
MSVOA_N
ClientSampled :

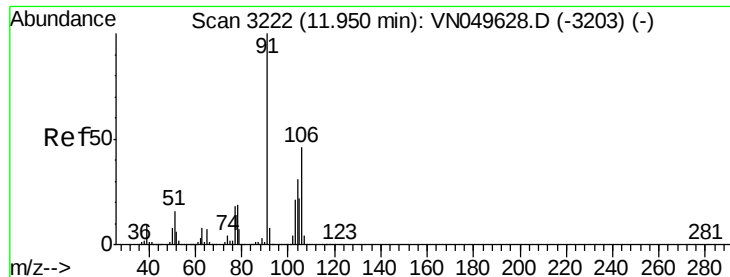
Tot Ion: 91 Resp: 672807
Ion Ratio Lower Upper
91 100
106 31.9 24.8 37.2



#68
m/p-Xylenes
Concen: 87.70 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion: 106 Resp: 2446203
Ion Ratio Lower Upper
106 100
91 203.6 163.4 245.2

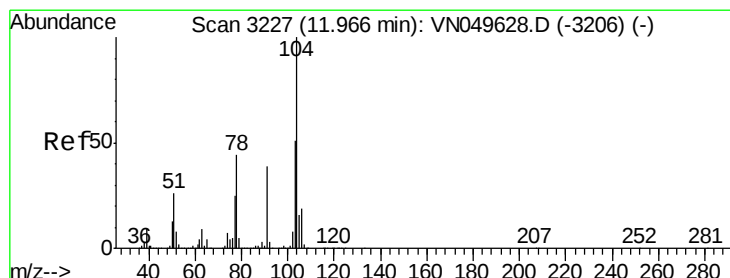
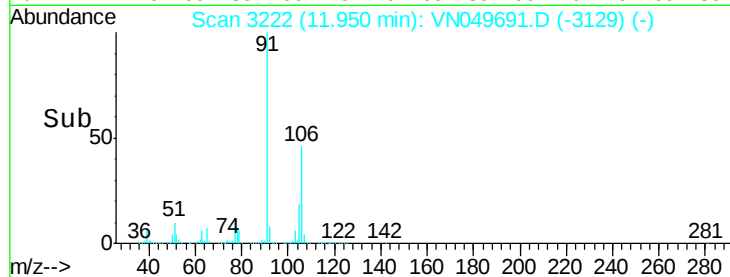
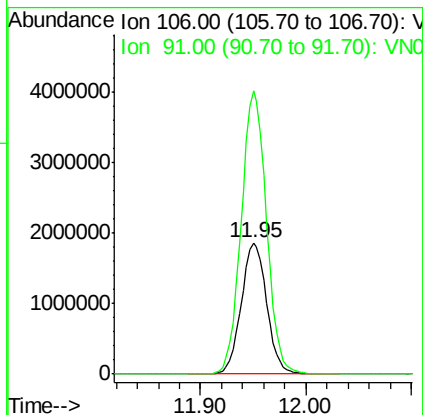
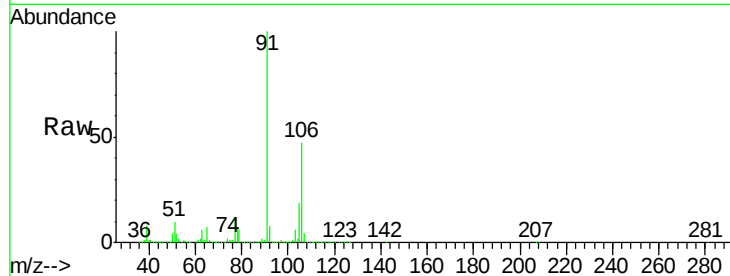




#69
o-Xylene
Concen: 116.46 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

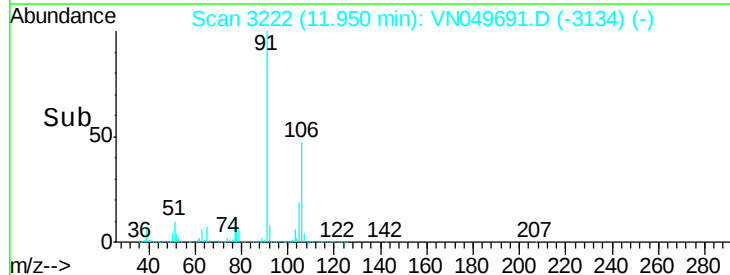
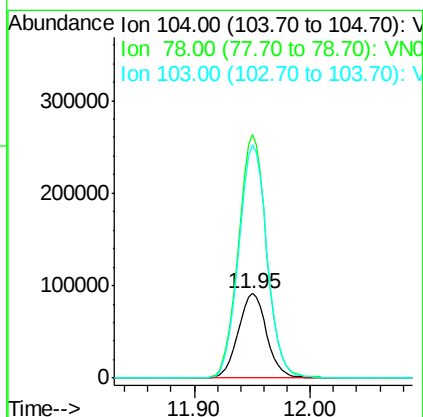
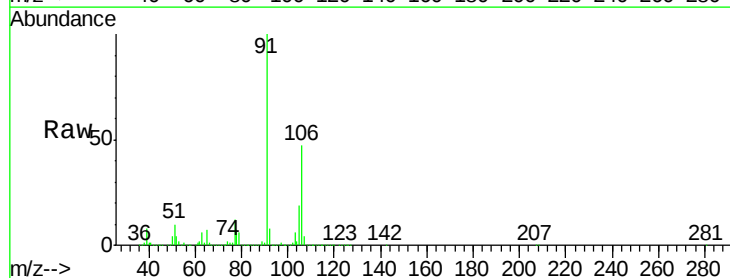
Instrument :
MSVOA_N
ClientSampled :

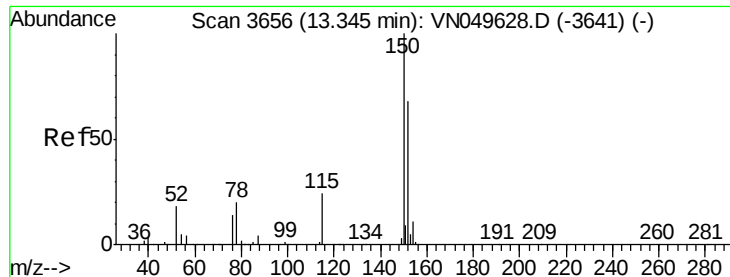
Tot Ion:106 Resp: 3110068
Ion Ratio Lower Upper
106 100
91 214.8 108.7 326.1



#70
Styrene
Concen: 3.61 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.02 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion:104 Resp: 155789
Ion Ratio Lower Upper
104 100
78 284.9 39.2 58.8#
103 274.5 44.6 67.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

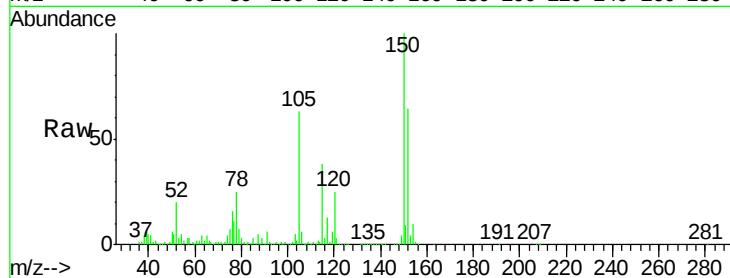
Tot Ion:152 Resp: 947401

Ion Ratio Lower Upper

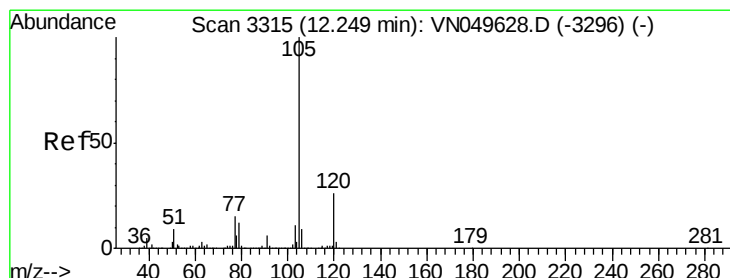
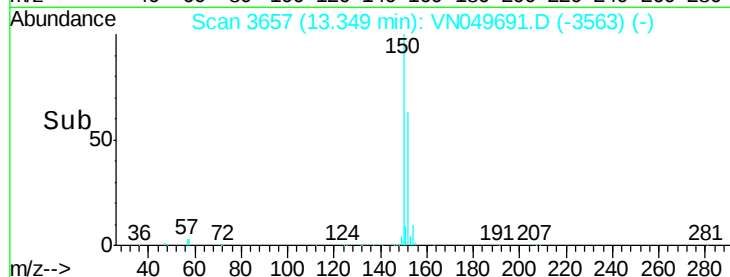
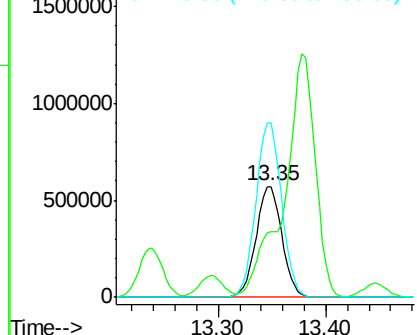
152 100

115 0.0 28.1 84.2#

150 156.9 0.0 347.6



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



#73

Isopropylbenzene

Concen: 26.06 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049691.D

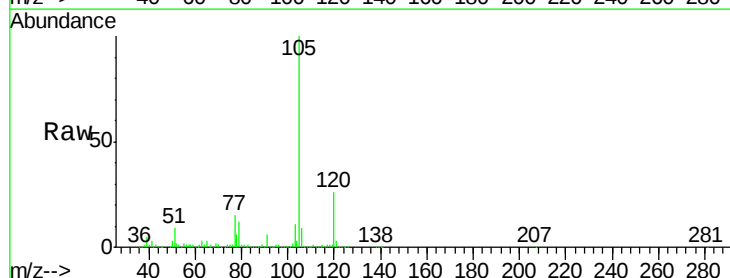
Acq: 3 Jul 2018 14:11

Tgt Ion:105 Resp: 1966606

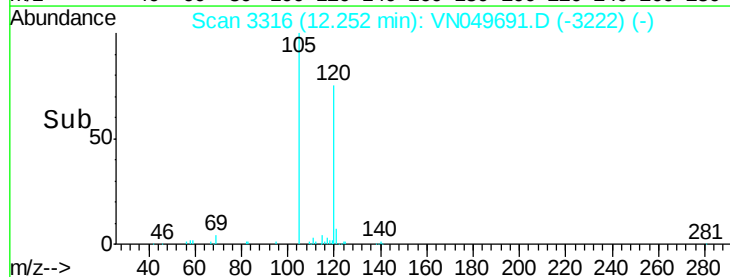
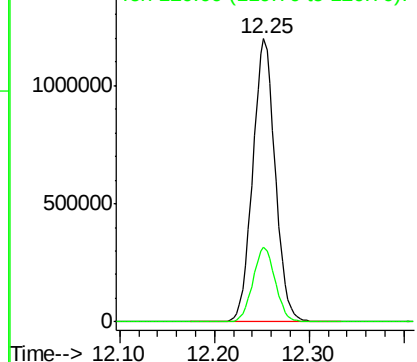
Ion Ratio Lower Upper

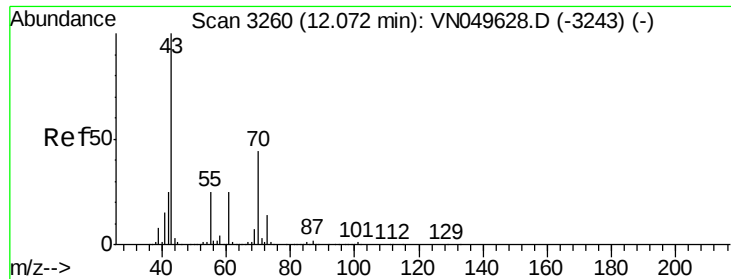
105 100

120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 2.55 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 52621

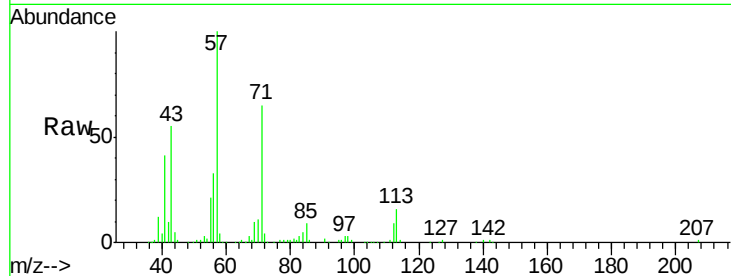
Ion Ratio Lower Upper

43 100

70 14.7 34.8 52.2#

55 0.0 20.9 31.3#

61 0.0 19.9 29.9#

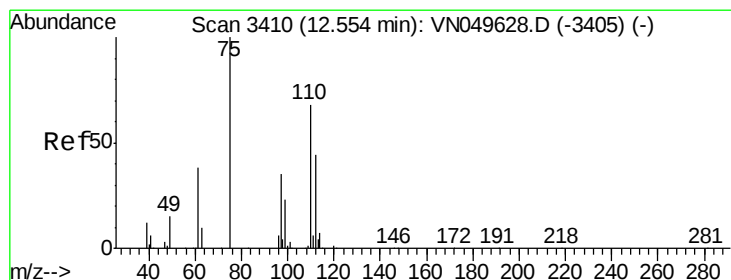
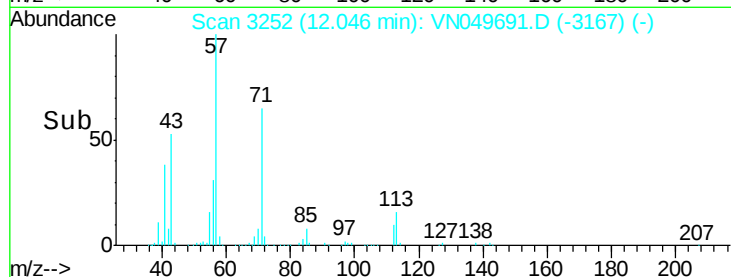
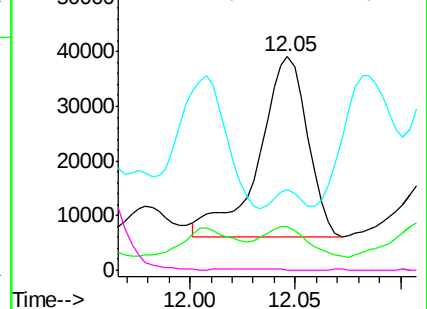


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#76

1,2,3-Trichloropropane

Concen: 1.99 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.04 min

Lab File: VN049691.D

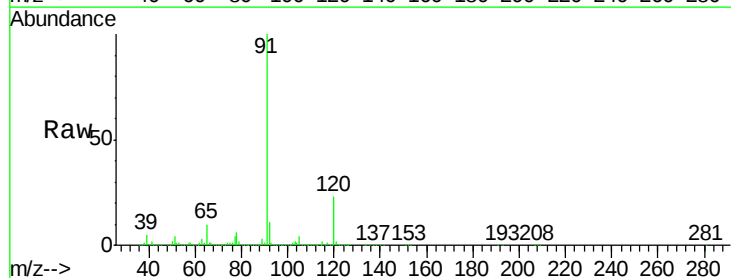
Acq: 3 Jul 2018 14:11

Tgt Ion: 75 Resp: 30253

Ion Ratio Lower Upper

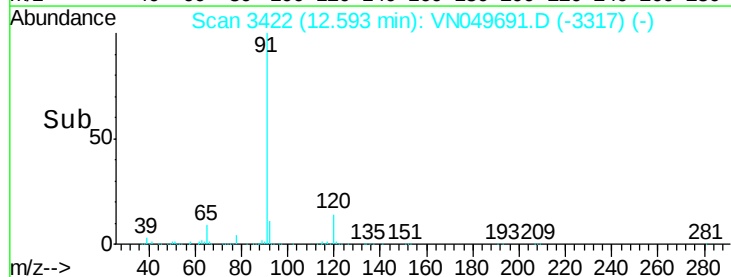
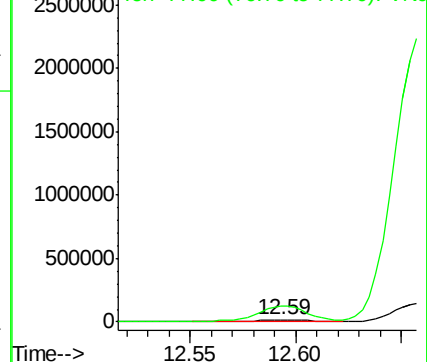
75 100

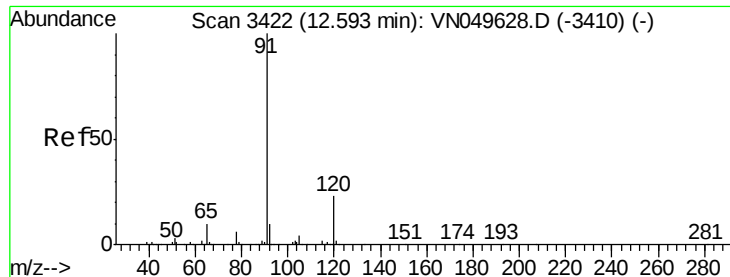
77 671.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 60.76 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

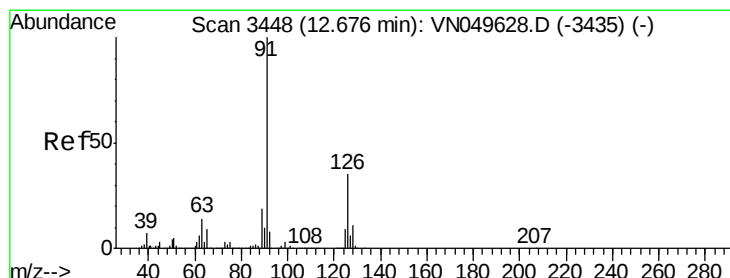
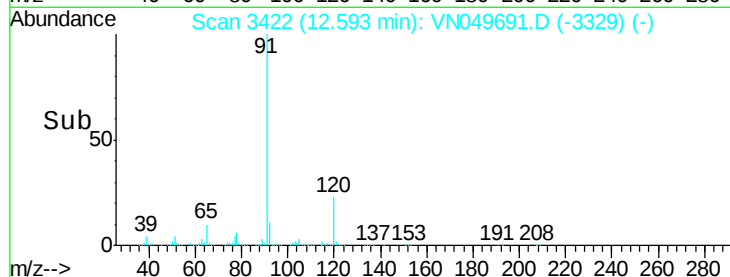
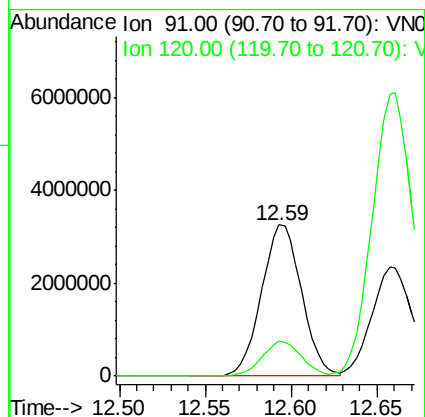
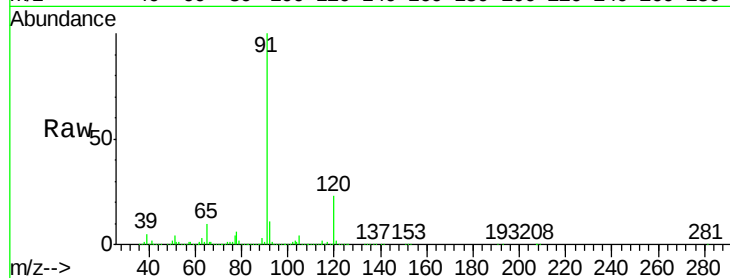
ClientSampled :

Tot Ion: 91 Resp: 5255102

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4



#79

2-Chlorotoluene

Concen: 66.83 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN049691.D

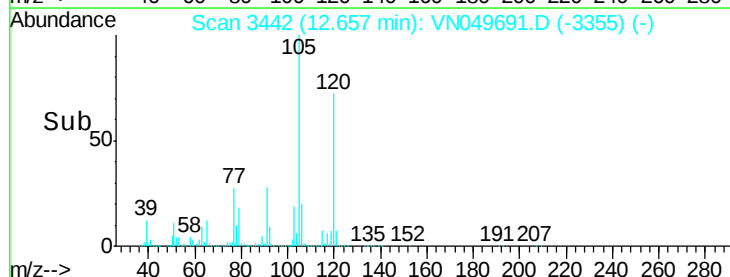
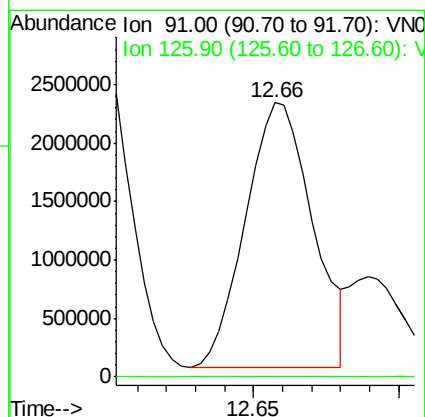
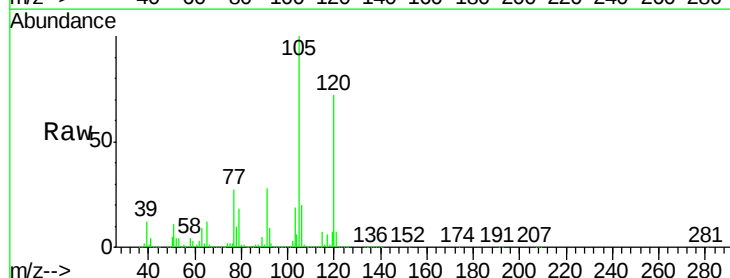
Acq: 3 Jul 2018 14:11

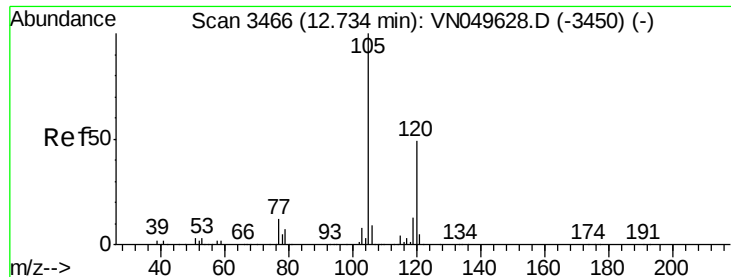
Tgt Ion: 91 Resp: 3658005

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.5#





#80

1,3,5-Trimethylbenzene

Concen: 19.20 ug/l

RT: 12.72 min Scan# 3463

Delta R.T. -0.01 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

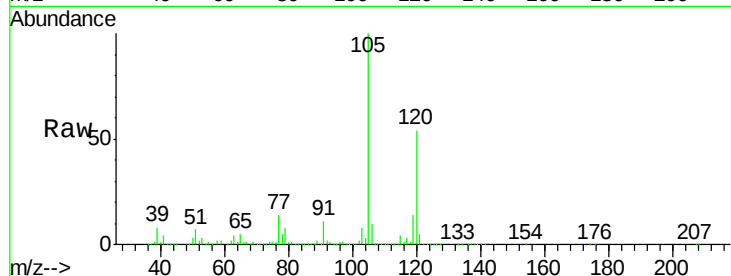
ClientSampleId :

Tot Ion:105 Resp: 1204122

Ion Ratio Lower Upper

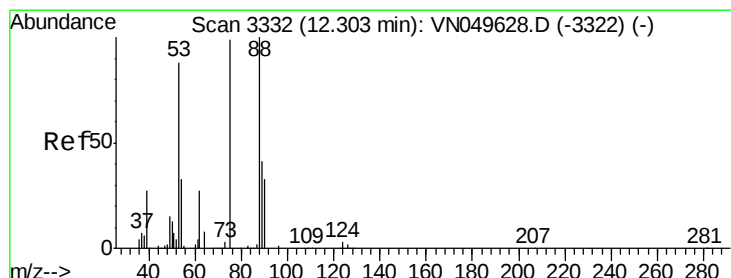
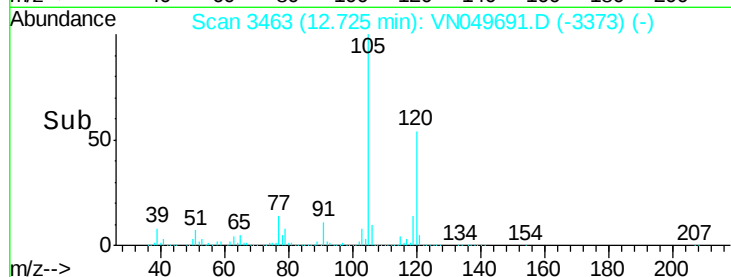
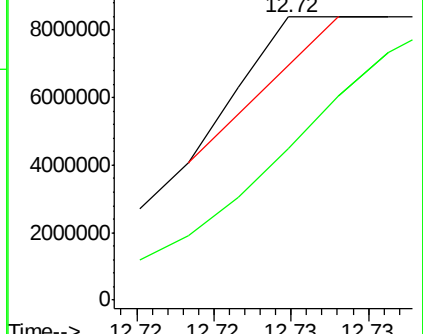
105 100

120 1089.6 24.3 72.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 4.91 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.05 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

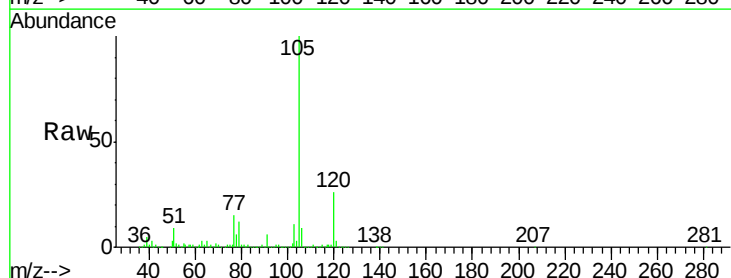
Tgt Ion: 75 Resp: 21971

Ion Ratio Lower Upper

75 100

53 95.3 73.9 110.9

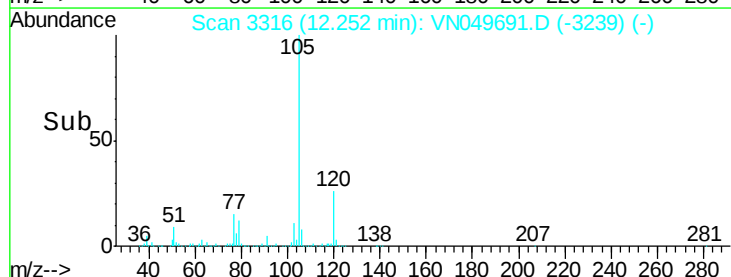
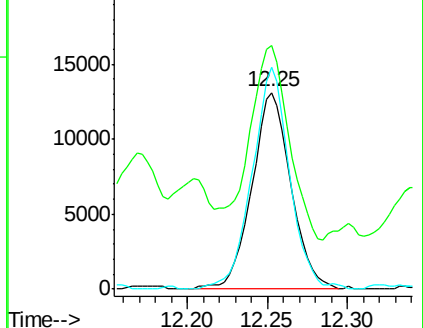
89 106.8 35.9 53.9#

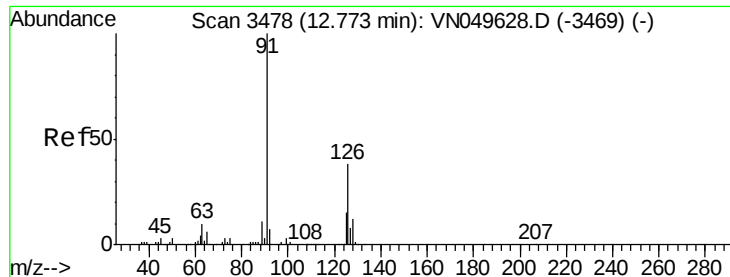


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 48.59 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. -0.04 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

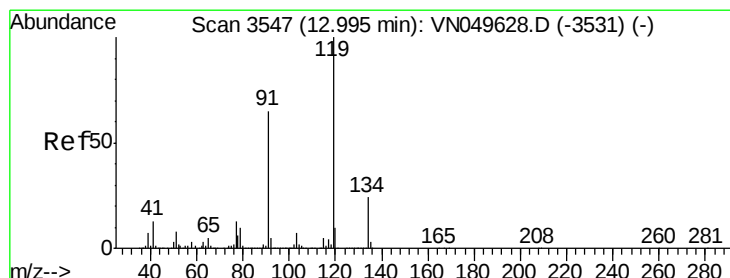
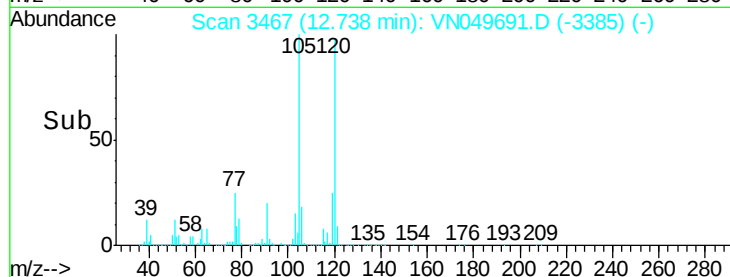
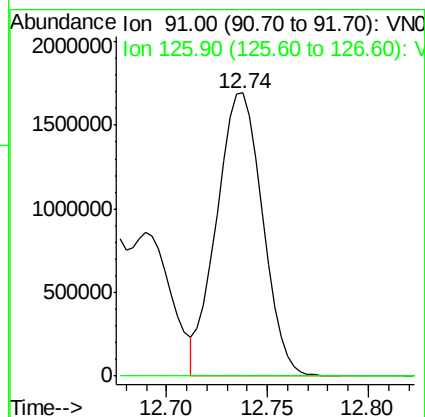
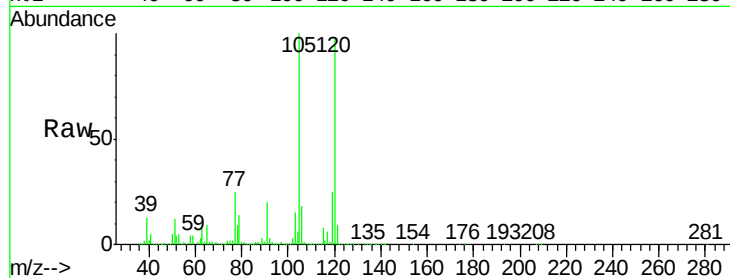
ClientSampleId :

Tot Ion: 91 Resp: 2674439

Ion Ratio Lower Upper

91 100

126 0.1 17.2 51.6#



#83

tert-Butylbenzene

Concen: 9.15 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

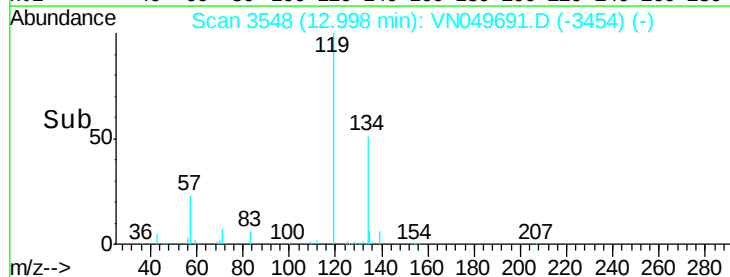
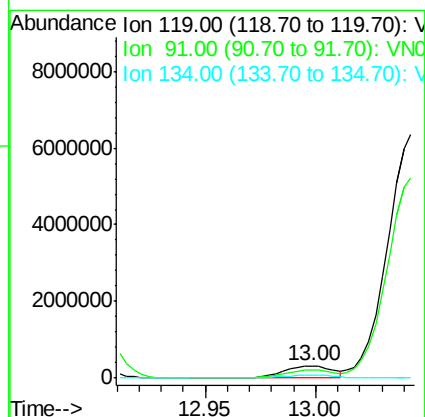
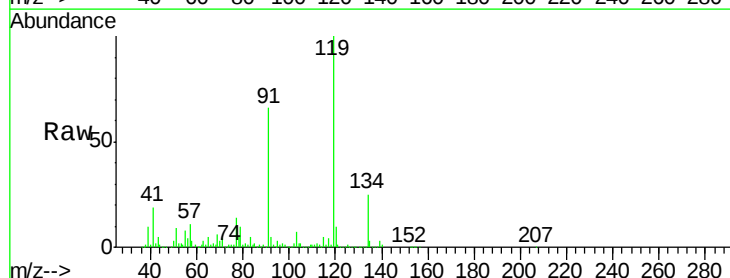
Tgt Ion: 119 Resp: 493103

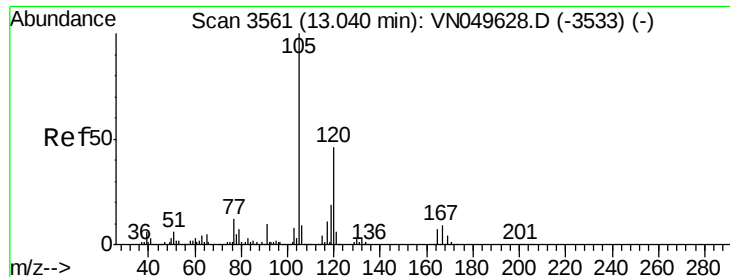
Ion Ratio Lower Upper

119 100

91 66.7 32.0 96.2

134 26.6 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 32.12 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.14 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

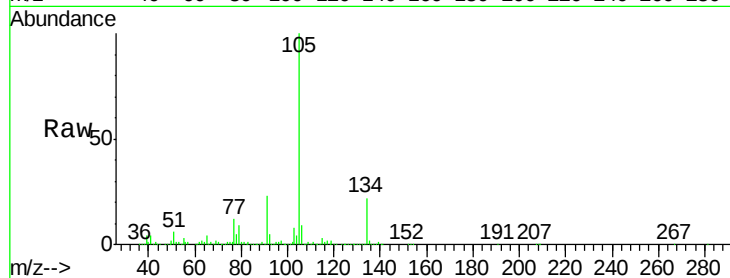
ClientSampled :

Tot Ion:105 Resp: 2069416

Ion Ratio Lower Upper

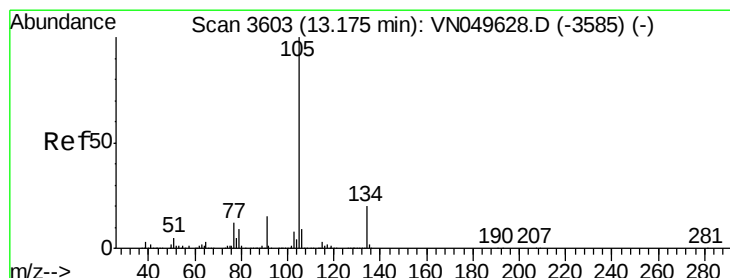
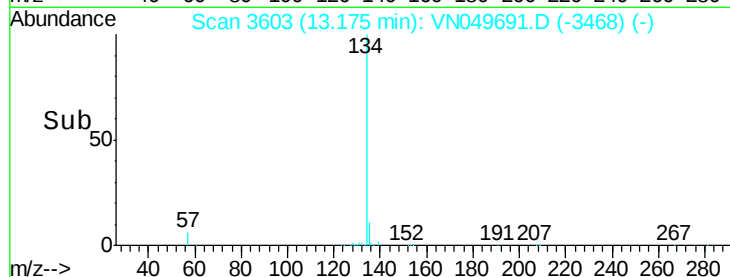
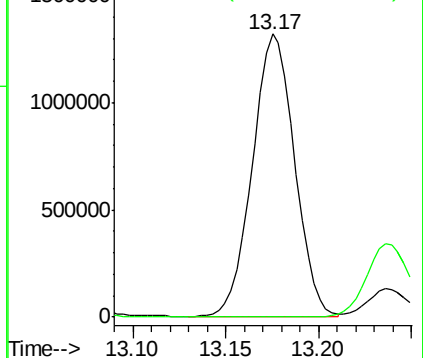
105 100

120 0.0 22.7 68.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 28.99 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049691.D

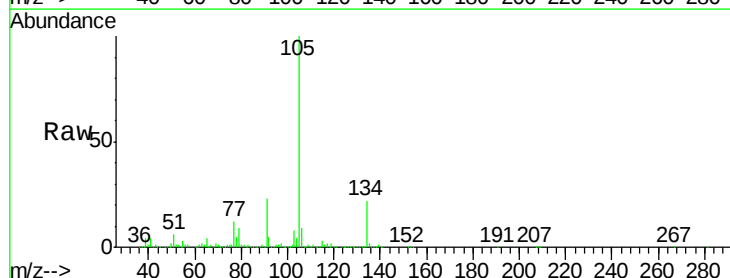
Acq: 3 Jul 2018 14:11

Tgt Ion:105 Resp: 2069416

Ion Ratio Lower Upper

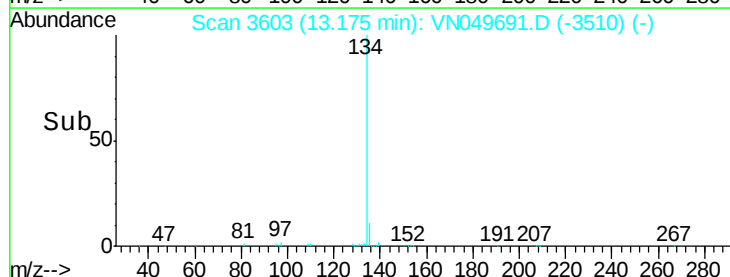
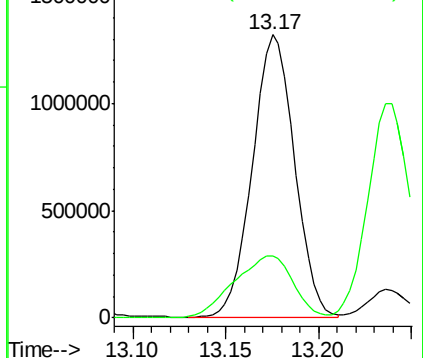
105 100

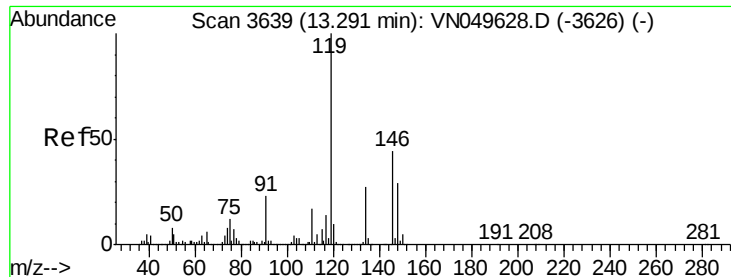
134 30.9 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

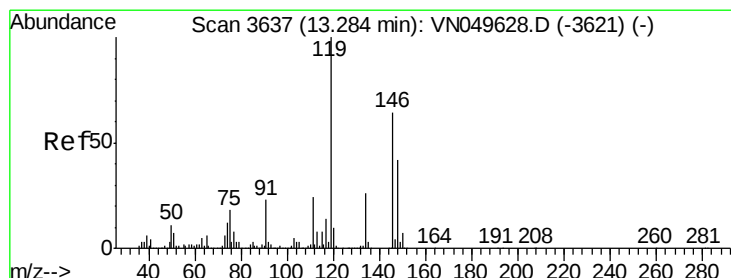
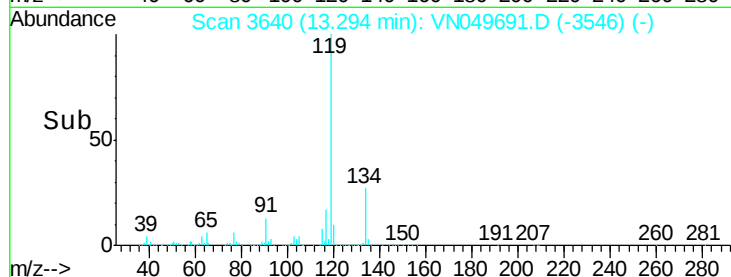
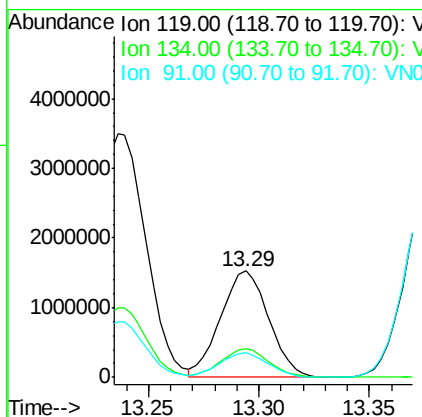
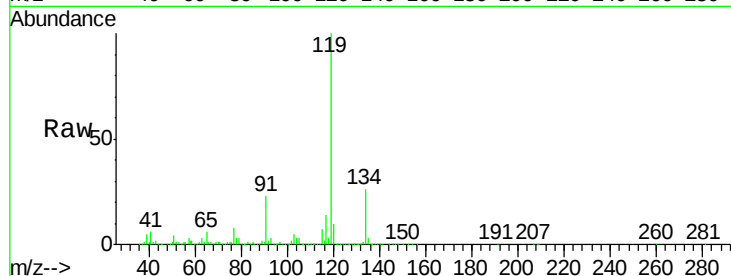




#86
 p-Isopropyltoluene
 Concen: 37.32 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN049691.D
 Acq: 3 Jul 2018 14:11

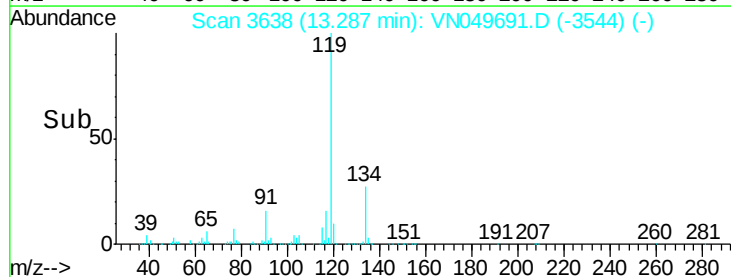
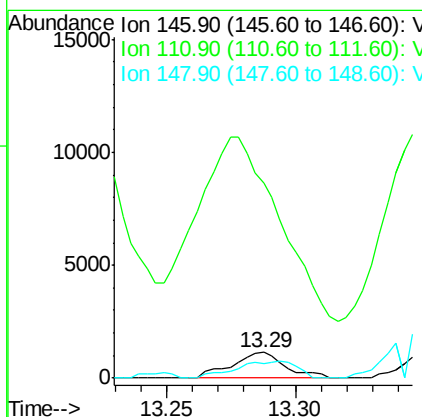
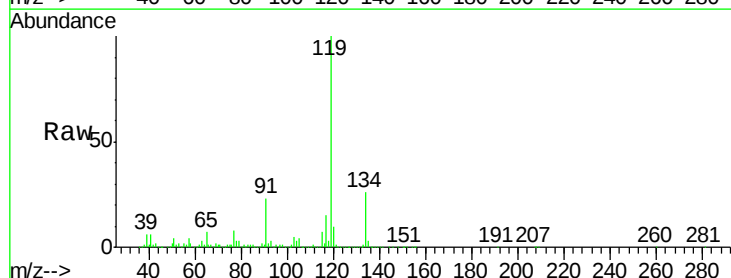
Instrument :
 MSVOA_N
 ClientSampled :

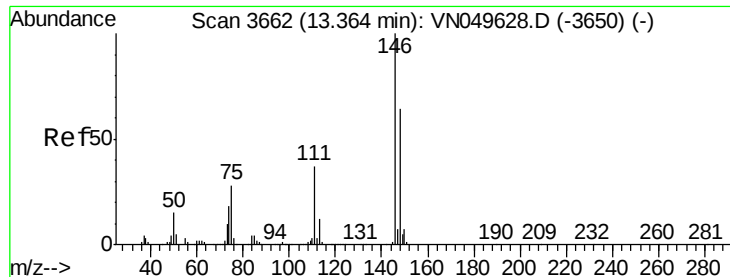
Tot Ion:119 Resp: 2306927
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 22.8 11.4 34.1



#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049691.D
 Acq: 3 Jul 2018 14:11

Tgt Ion:146 Resp: 1613
 Ion Ratio Lower Upper
 146 100
 111 1112.3 19.0 57.0#
 148 74.9 32.5 97.5





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.37 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VN049691.D

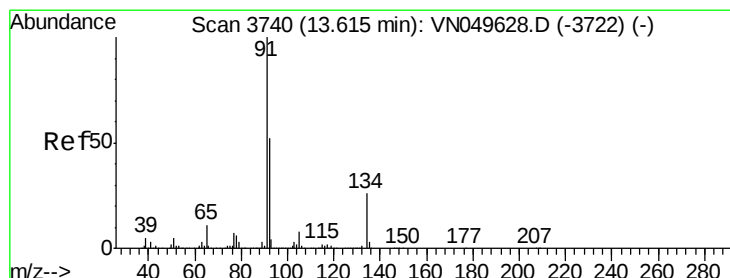
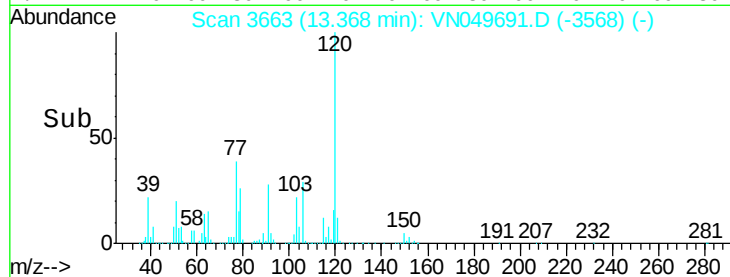
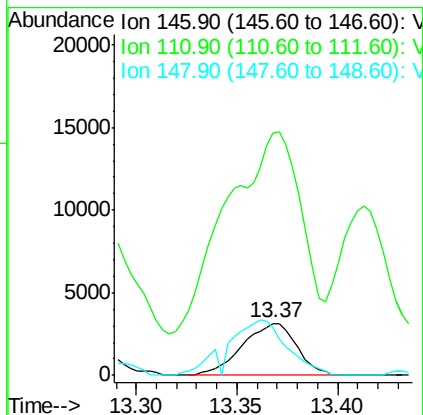
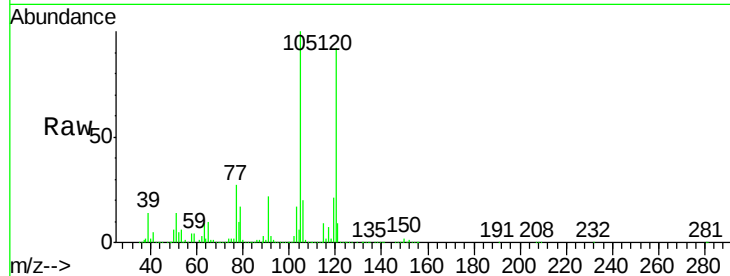
Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	5889
Ion	Ratio	Lower	Upper
146	100		
111	534.6	18.9	56.5#
148	101.3	32.1	96.3#



#89

n-Butylbenzene

Concen: 10.03 ug/l

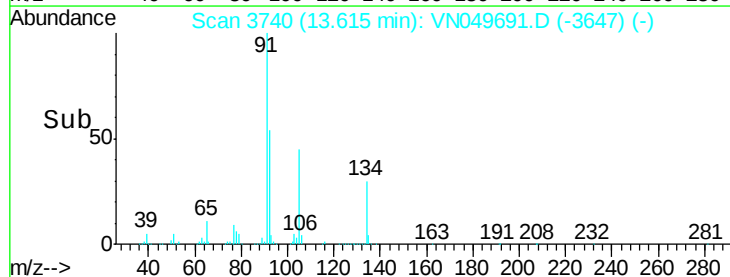
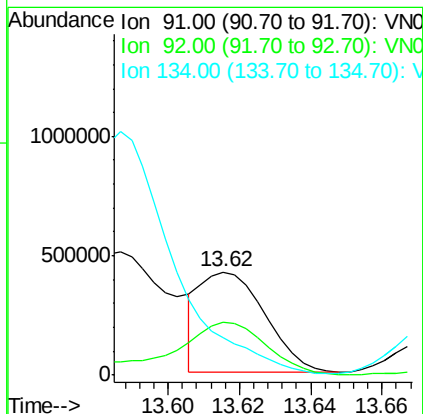
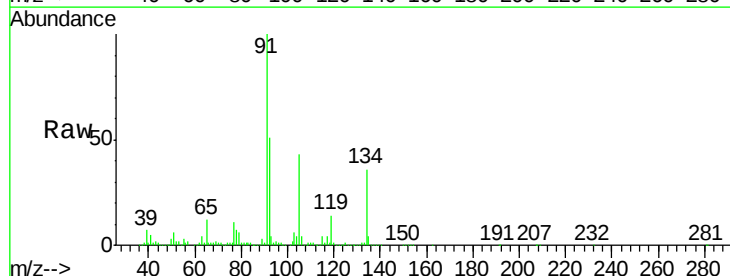
RT: 13.62 min Scan# 3740

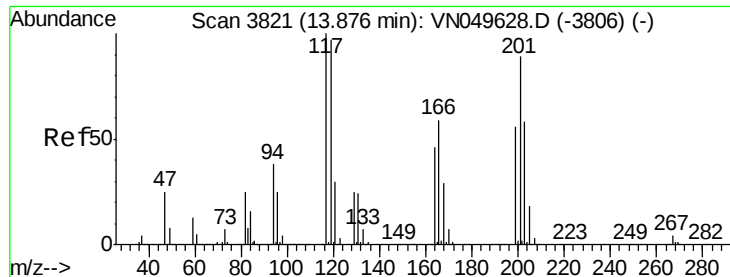
Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Tgt Ion:	91	Resp:	530728
Ion	Ratio	Lower	Upper
91	100		
92	77.9	25.8	77.3#
134	0.0	13.0	38.9#





#90

Hexachloroethane

Concen: 46.67 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

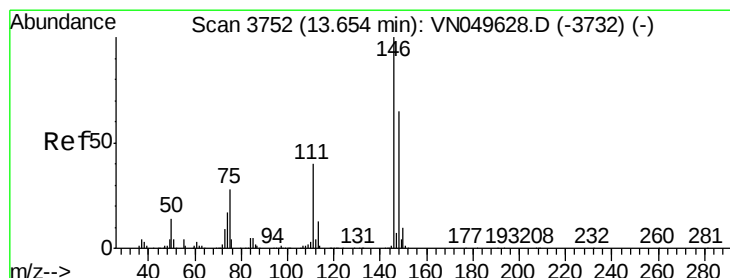
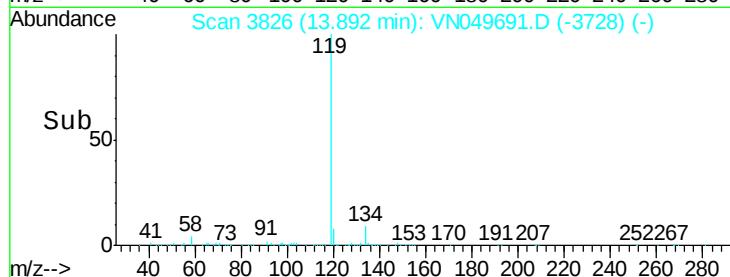
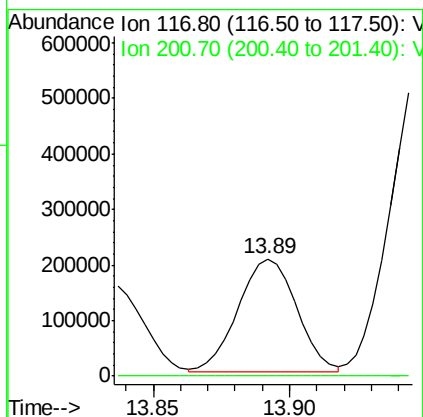
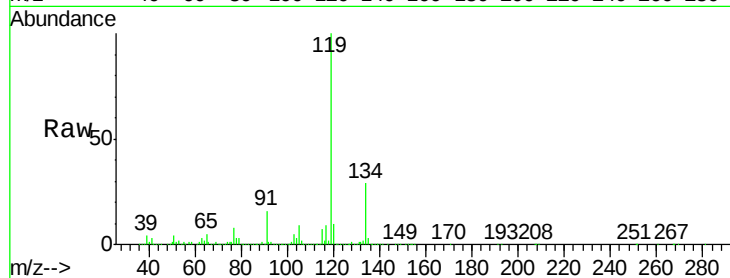
ClientSampled :

Tot Ion:117 Resp: 303061

Ion Ratio Lower Upper

117 100

201 0.0 45.3 135.8#



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

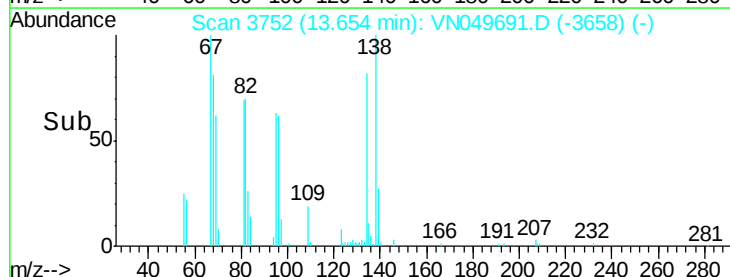
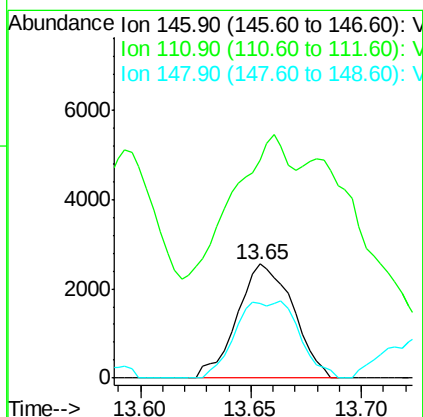
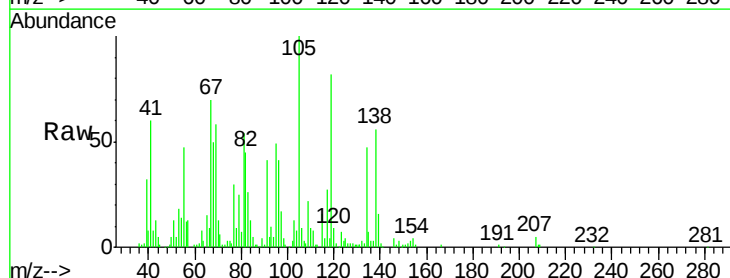
Tgt Ion:146 Resp: 4481

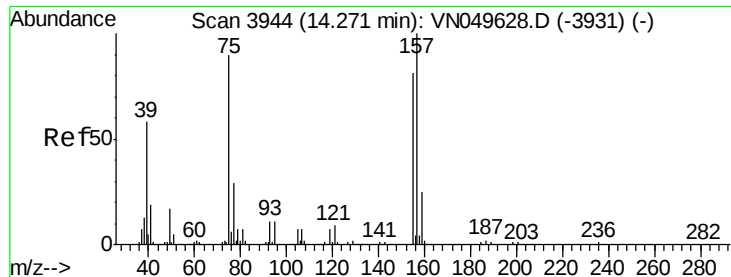
Ion Ratio Lower Upper

146 100

111 123.0 19.7 59.1#

148 41.4 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.74 ug/l

RT: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

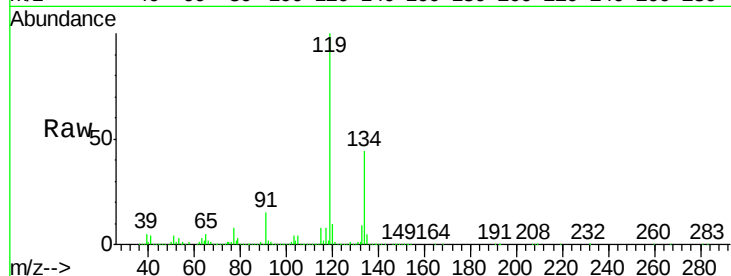
Tot Ion: 75 Resp: 12404

Ion Ratio Lower Upper

75 100

155 0.2 45.7 137.1#

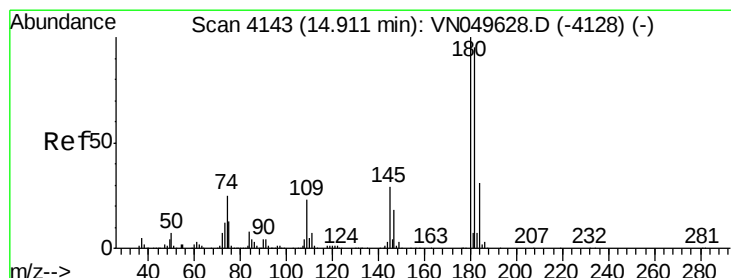
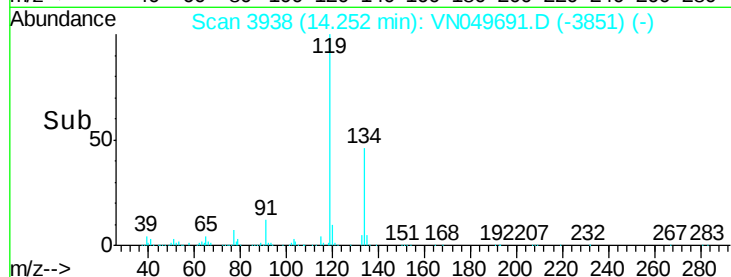
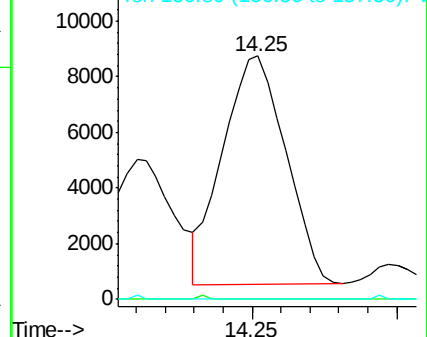
157 0.0 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049628.D (-3931) (-)

Ion 154.80 (154.50 to 155.50): VN049628.D (-3931) (-)

Ion 156.80 (156.50 to 157.50): VN049628.D (-3931) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.51 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

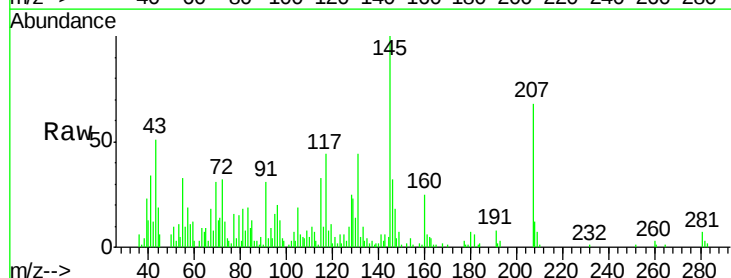
Tgt Ion: 180 Resp: 1893

Ion Ratio Lower Upper

180 100

182 96.7 47.3 141.9

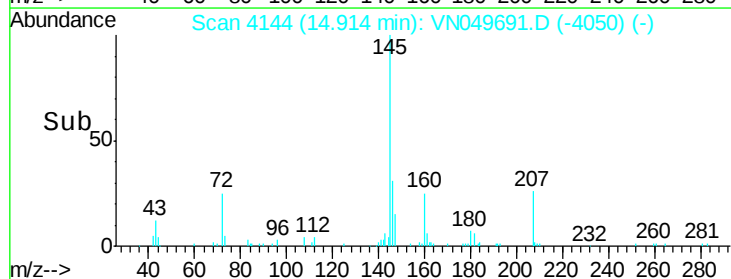
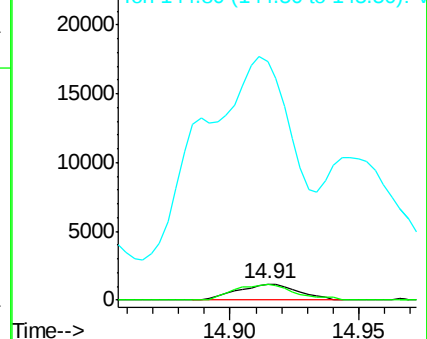
145 2299.1 14.4 43.0#

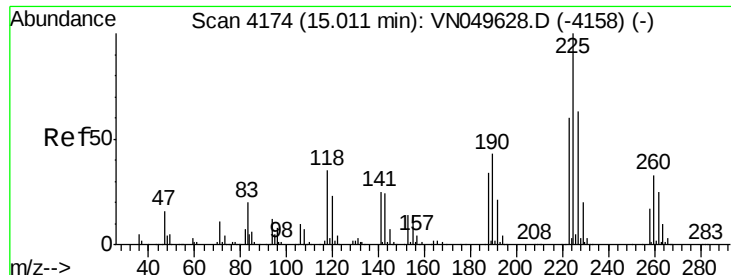


Abundance Ion 179.80 (179.50 to 180.50): VN049628.D (-4128) (-)

Ion 181.80 (181.50 to 182.50): VN049628.D (-4128) (-)

Ion 144.80 (144.50 to 145.50): VN049628.D (-4128) (-)

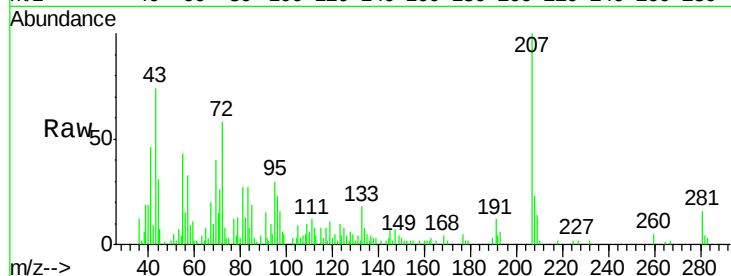




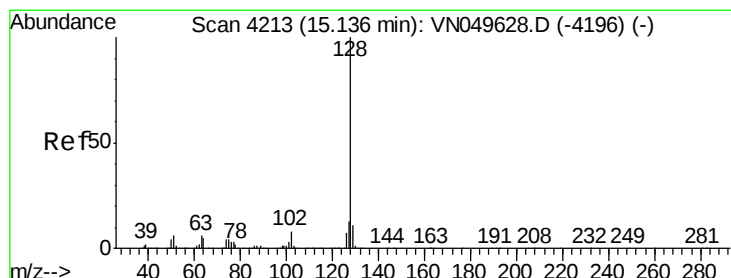
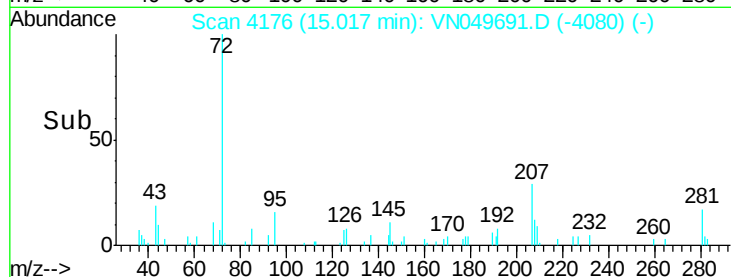
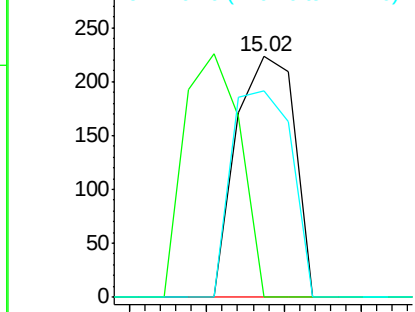
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.02 min Scan# 4176
Delta R.T. 0.01 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:225 Resp: 116
Ion Ratio Lower Upper
225 100
223 97.4 30.9 92.7#
227 89.7 31.8 95.4

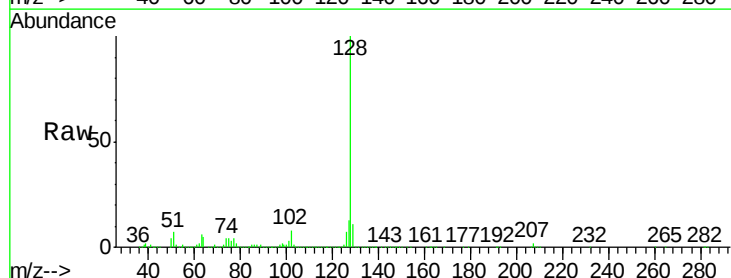


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

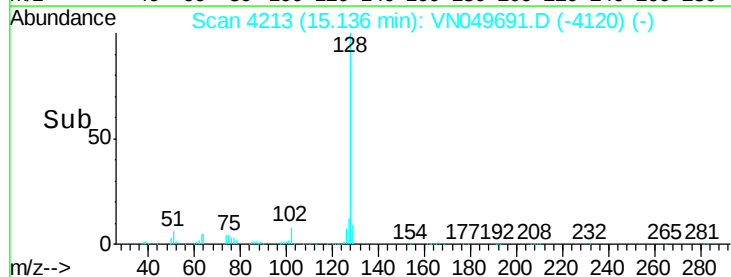
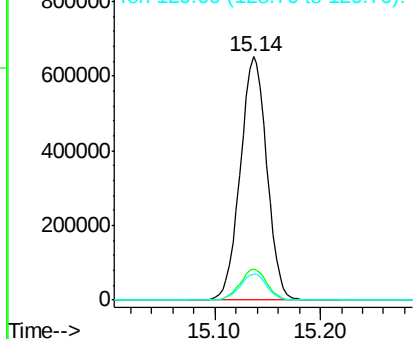


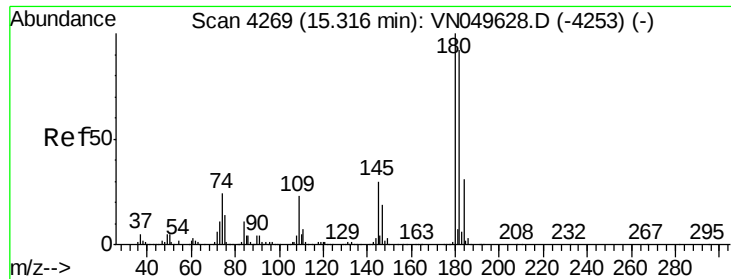
#95
Naphthalene
Concen: 31.12 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion:128 Resp: 1133688
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

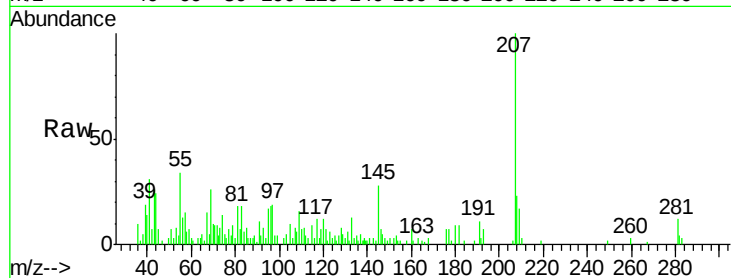




#96
 1,2,3-Trichlorobenzene
 Concen: 1.74 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN049691.D
 Acq: 3 Jul 2018 14:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	107.2	47.4	142.2
145	0.0	15.2	45.6#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

