

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
 Data File : VN050252.D
 Acq On : 1 Aug 2018 16:25
 Operator : MD\SY
 Sample : J4241-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 02 00:55:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	661346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1086674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	916828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	387931	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	471976	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
35) Dibromofluoromethane	7.59	113	418594	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
50) Toluene-d8	10.09	98	1472008	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
62) 4-Bromofluorobenzene	12.40	95	419263	39.04	ug/l	0.00
Spiked Amount			Recovery	=	78.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	325	Below Cal	#	3
8) Diethyl Ether	3.42	74	1112	0.24	ug/l	66
14) Allyl chloride	4.55	41	16557	1.40	ug/l	# 24
16) Acetone	3.83	43	27977	8.68	ug/l	99
17) Carbon Disulfide	4.05	76	5127	0.22	ug/l	99
18) Methyl Acetate	4.33	43	31195	2.13	ug/l	98
20) Methylene Chloride	4.55	84	467519	57.33	ug/l	99
25) 2-Butanone	6.86	43	5732	1.63	ug/l	93
29) Tetrahydrofuran	7.23	42	2010	0.88	ug/l	# 49
30) Chloroform	7.37	83	17027	1.09	ug/l	91
31) Cyclohexane	7.67	56	11858	0.87	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	46239	3.78	ug/l	# 48
37) Ethyl Acetate	6.86	43	5732	0.67	ug/l	# 67
38) Carbon Tetrachloride	7.67	117	59798	4.60	ug/l	# 17
41) Methacrylonitrile	7.19	41	155	2.78	ug/l	# 28
43) Isopropyl Acetate	8.17	43	437321	26.66	ug/l	# 87
44) Trichloroethene	8.84	130	22630	2.26	ug/l	94
47) Bromodichloromethane	9.40	83	4016	0.31	ug/l	# 84
48) Methyl methacrylate	9.18	41	9802	1.33	ug/l	# 22
51) 4-Methyl-2-Pentanone	9.99	43	3022	0.36	ug/l	90
56) Ethyl methacrylate	10.23	69	2707	2.25	ug/l	# 60
59) 2-Hexanone	10.77	43	21876	8.65	ug/l	# 54
64) Tetrachloroethene	10.63	164	4521	0.51	ug/l	89
67) Ethyl Benzene	11.51	91	7612	0.20	ug/l	91
68) m/p-Xylenes	11.62	106	8140	0.58	ug/l	96
69) o-Xylene	11.95	106	3329	0.25	ug/l	96
70) Styrene	11.96	104	1201	0.97	ug/l	# 60
71) Bromoform	12.40	173	1731	0.27	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.41	83	235	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	207764	28.82	ug/l	# 100
77) Bromobenzene	12.54	156	2002	0.24	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.40	75	207764	91.41	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.04	105	7573	0.32	ug/l	94
89) n-Butylbenzene	13.54	91	8495	0.44	ug/l	# 43

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Response via : Initial Calibration

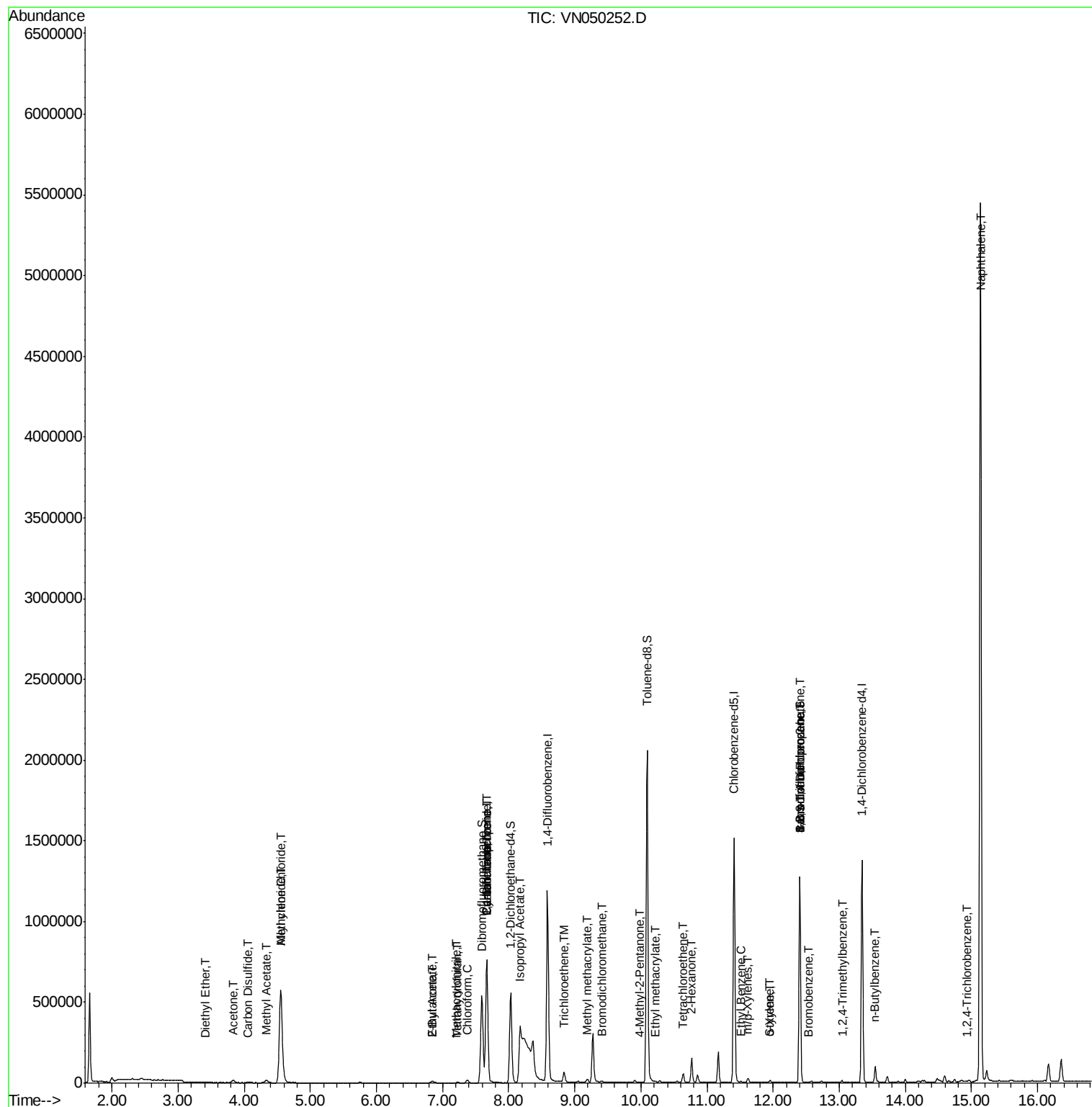
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.28	75	326	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.92	180	246	3.12	ug/l #	39
95) Naphthalene	15.14	128	4561144	239.13	ug/l	100

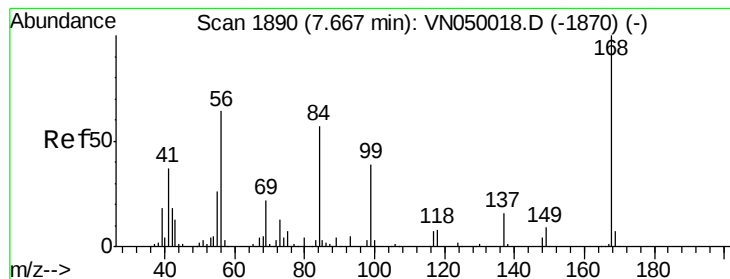
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

Instrument :

MSVOA_N

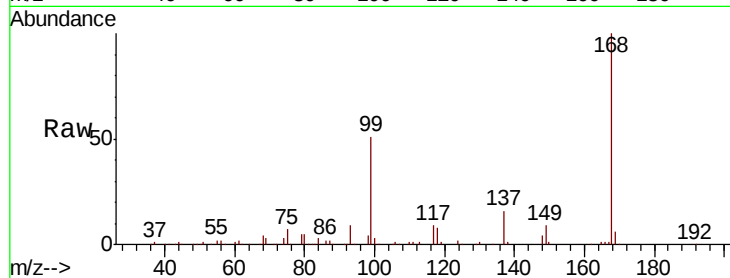
ClientSampleId :

Tot Ion:168 Resp: 661346

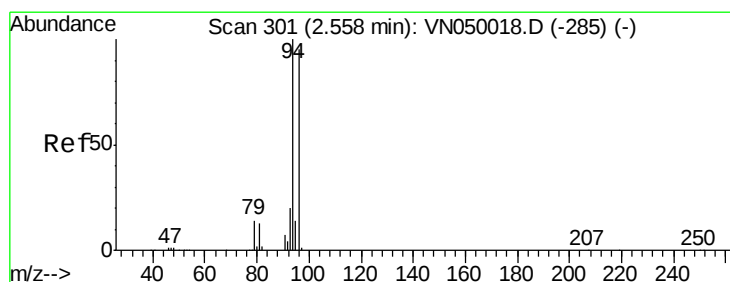
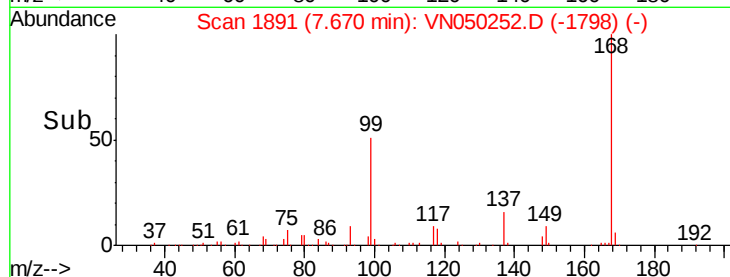
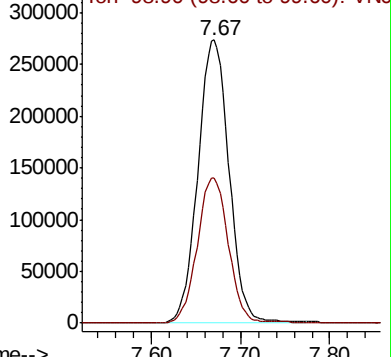
Ion Ratio Lower Upper

168 100

99 51.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050252.D

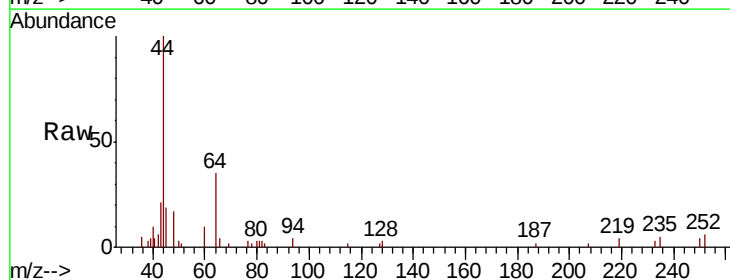
Acq: 1 Aug 2018 16:25

Tgt Ion: 94 Resp: 325

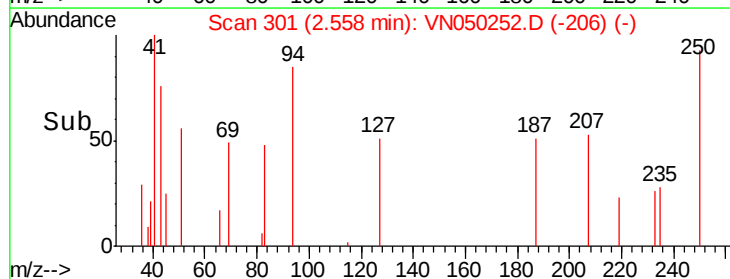
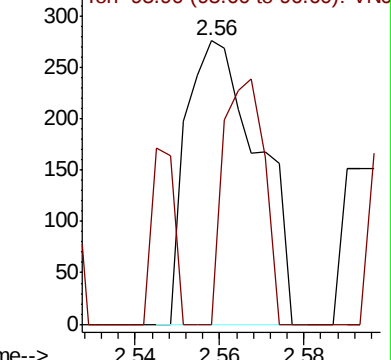
Ion Ratio Lower Upper

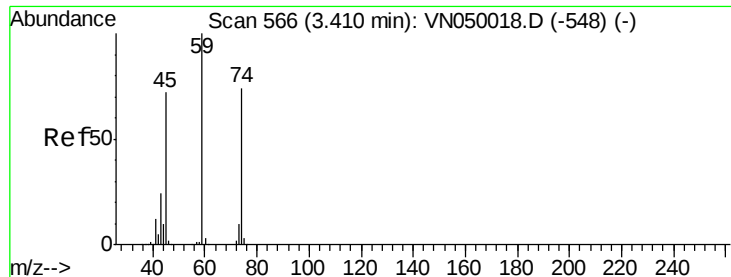
94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050018.D (-285) (-)





#8

Diethyl Ether

Concen: 0.24 ug/l

RT: 3.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

Instrument :

MSVOA_N

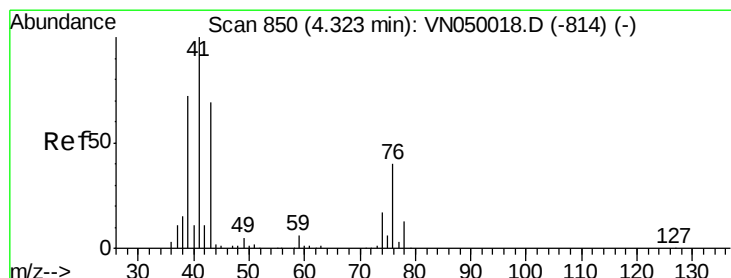
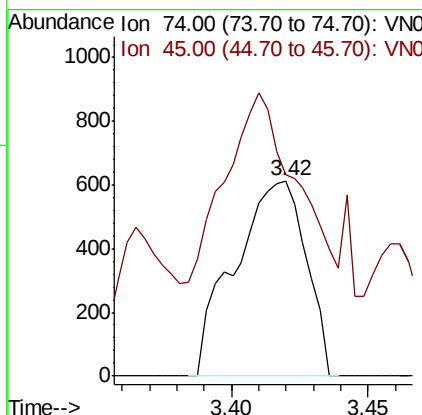
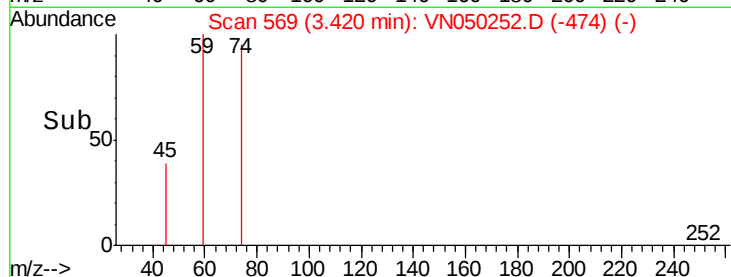
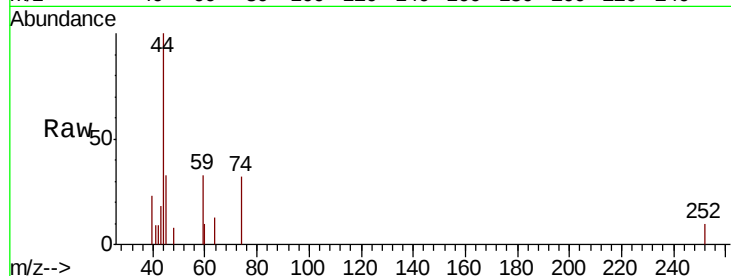
ClientSampleId :

Tot Ion: 74 Resp: 1112

Ion Ratio Lower Upper

74 100

45 128.6 47.6 142.8



#14

Allyl chloride

Concen: 1.40 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.23 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

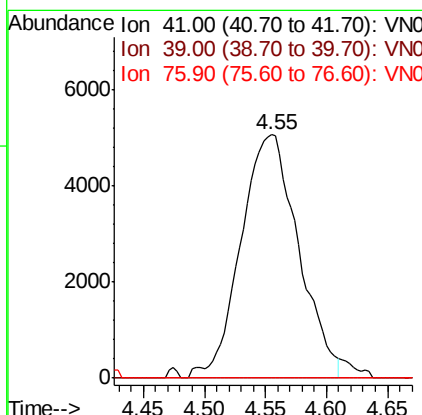
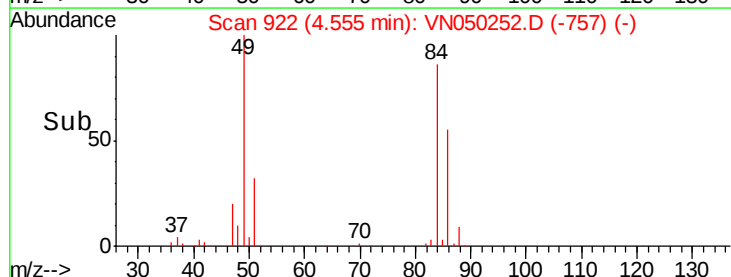
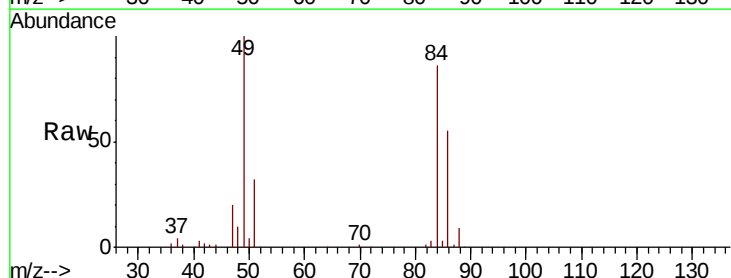
Tgt Ion: 41 Resp: 16557

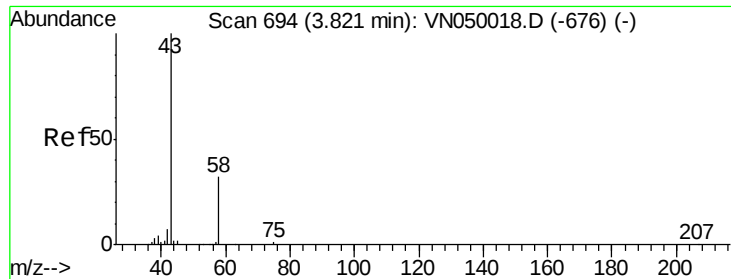
Ion Ratio Lower Upper

41 100

39 0.0 54.2 81.4#

76 0.0 29.0 43.6#





#16

Acetone

Concen: 8.68 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

Instrument :

MSVOA_N

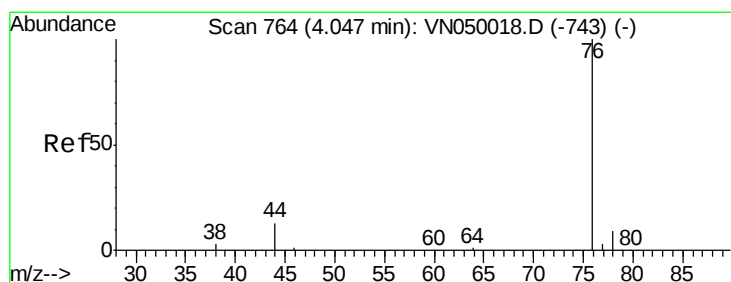
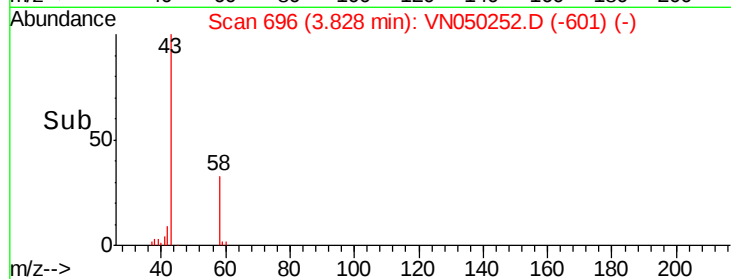
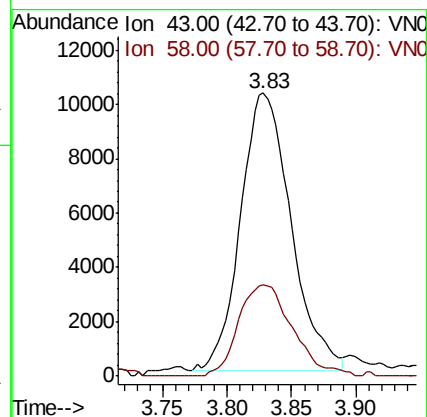
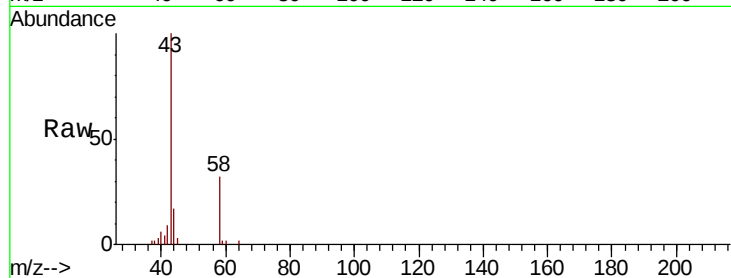
ClientSampled :

Tot Ion: 43 Resp: 27977

Ion Ratio Lower Upper

43 100

58 32.7 25.8 38.8



#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050252.D

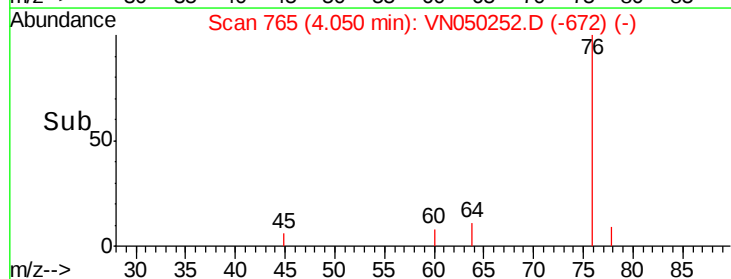
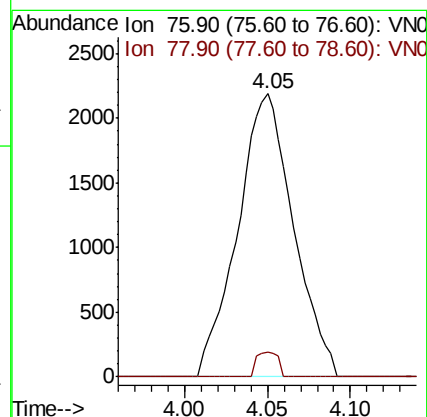
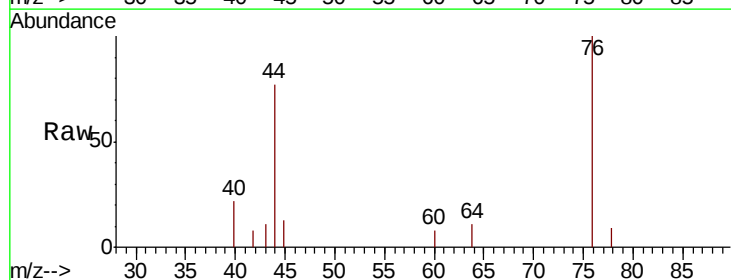
Acq: 1 Aug 2018 16:25

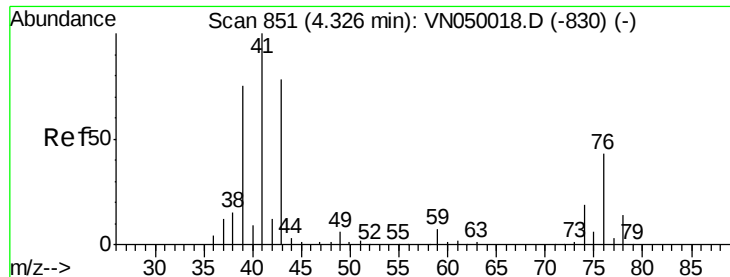
Tgt Ion: 76 Resp: 5127

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

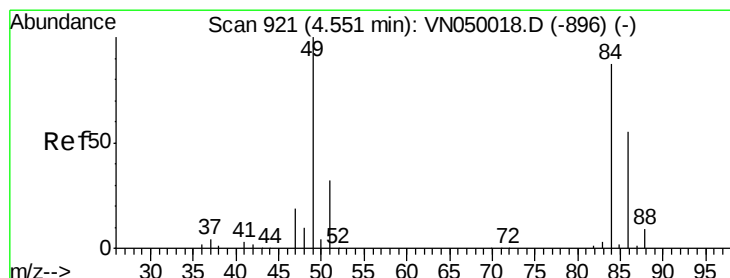
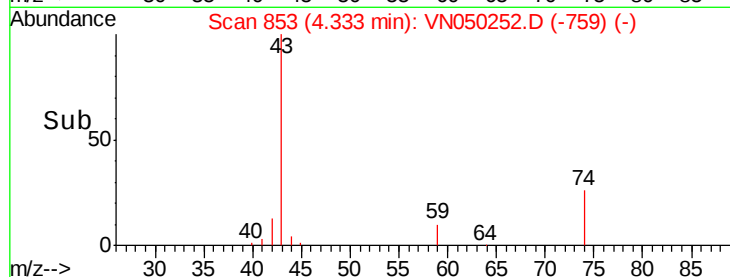
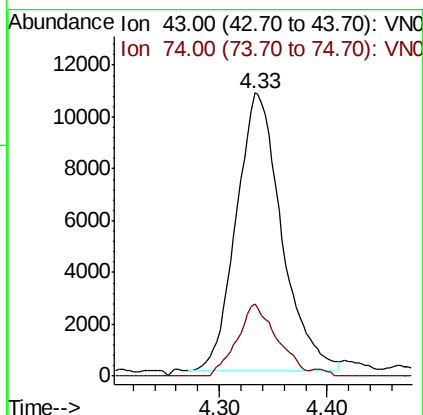
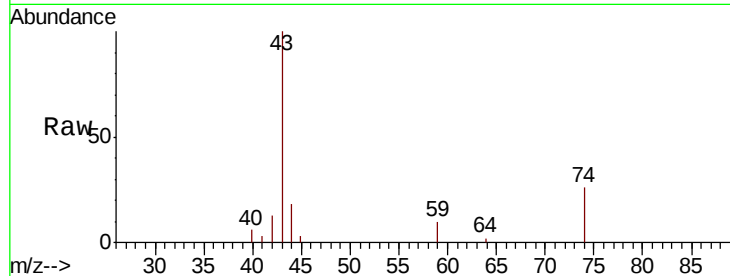




#18
Methyl Acetate
Concen: 2.13 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

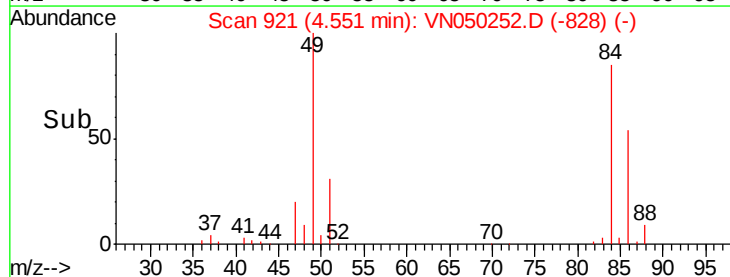
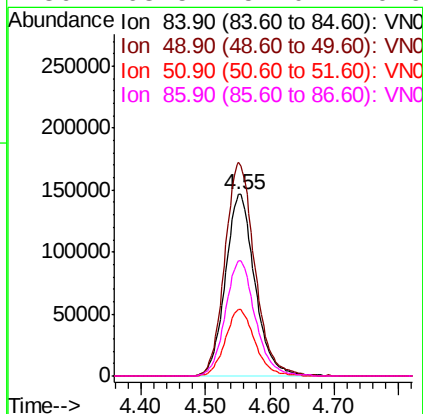
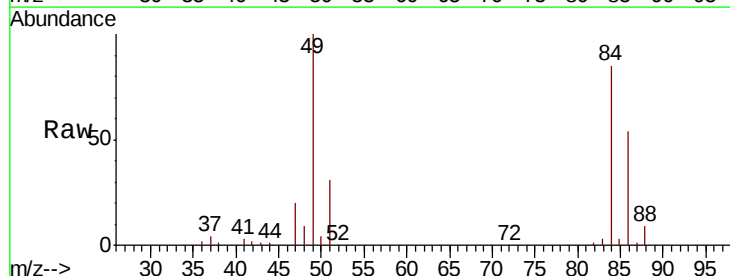
Instrument :
MSVOA_N
ClientSampled :

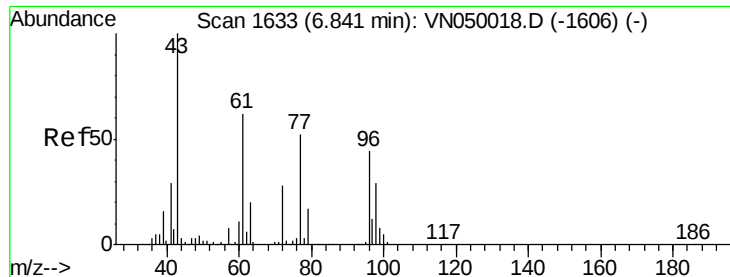
Tot Ion: 43 Resp: 31195
Ion Ratio Lower Upper
43 100
74 22.9 19.2 28.8



#20
Methylene Chloride
Concen: 57.33 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

Tgt Ion: 84 Resp: 467519
Ion Ratio Lower Upper
84 100
49 117.9 94.8 142.2
51 36.7 28.3 42.5
86 63.5 51.0 76.6

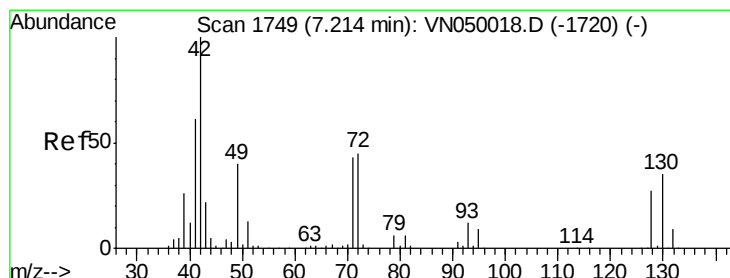
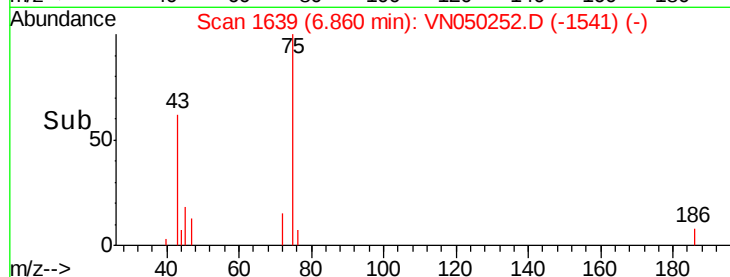
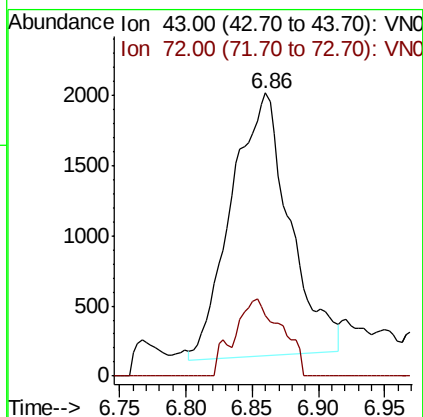
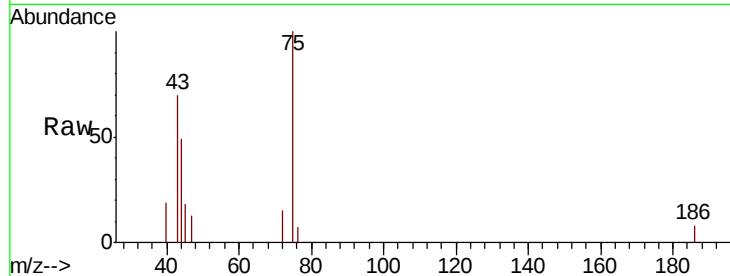




#25
2-Butanone
Concen: 1.63 ug/l
RT: 6.86 min Scan# 1639
Delta R.T. 0.02 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

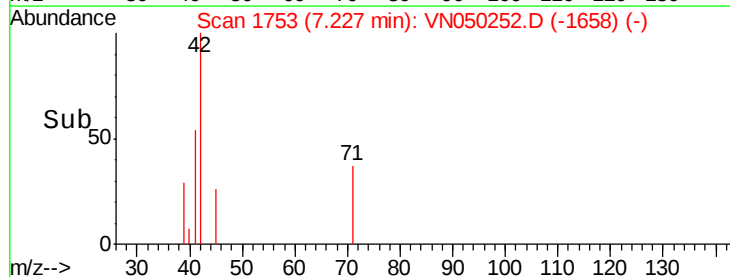
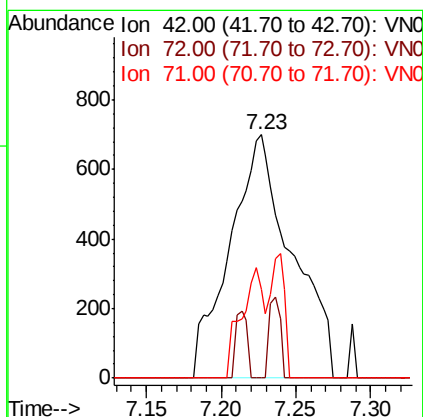
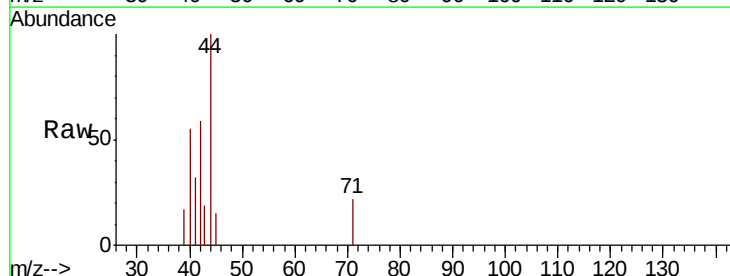
Instrument :
MSVOA_N
ClientSampled :

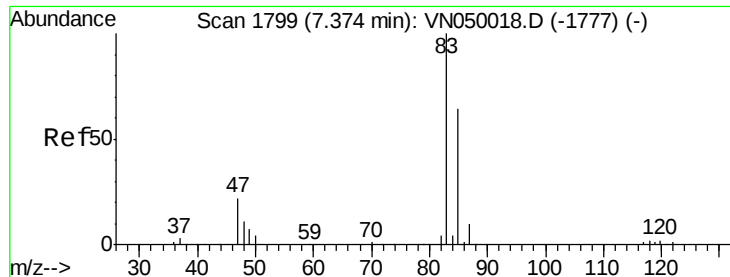
Tot Ion: 43 Resp: 5732
Ion Ratio Lower Upper
43 100
72 23.3 21.5 32.3



#29
Tetrahydrofuran
Concen: 0.88 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

Tgt Ion: 42 Resp: 2010
Ion Ratio Lower Upper
42 100
72 5.2 35.9 53.9#
71 16.5 33.7 50.5#

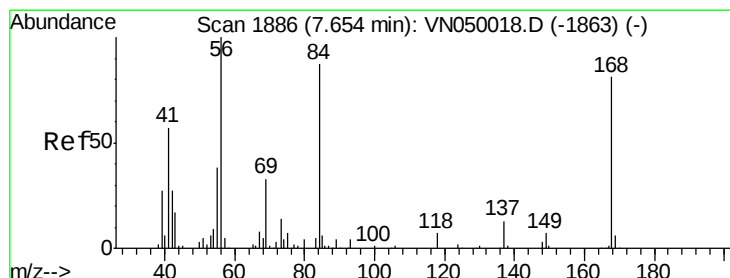
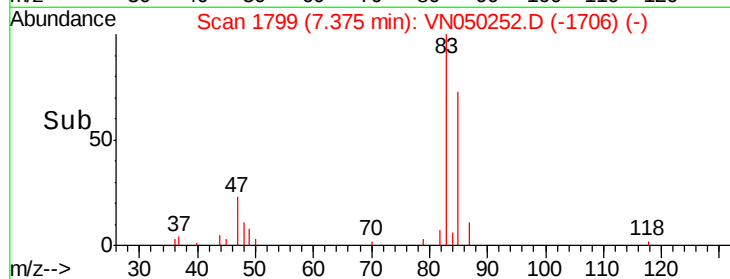
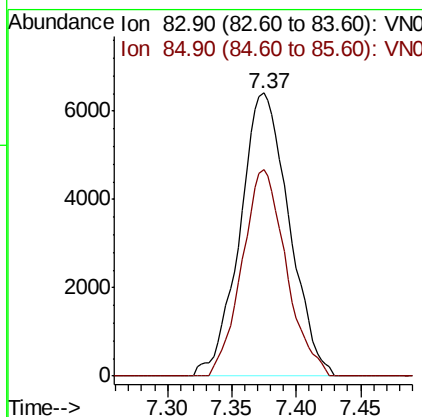
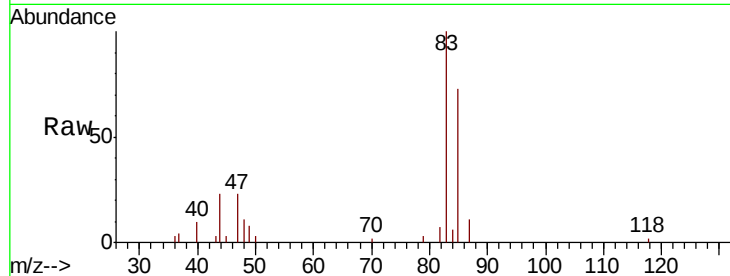




#30
Chloroform
Concen: 1.09 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

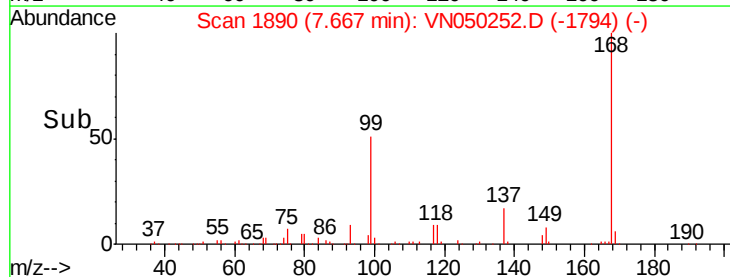
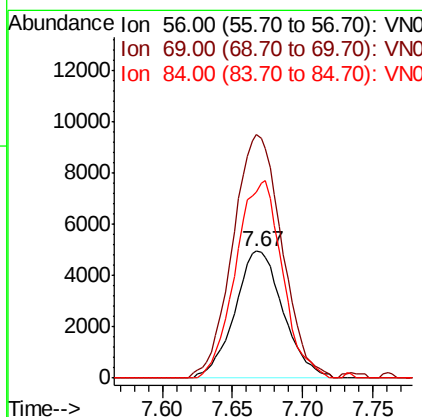
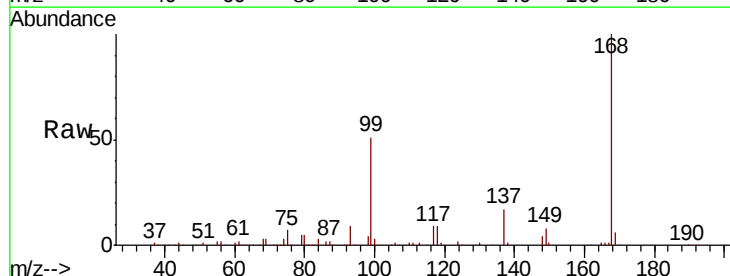
Instrument :
MSVOA_N
ClientSampleId :

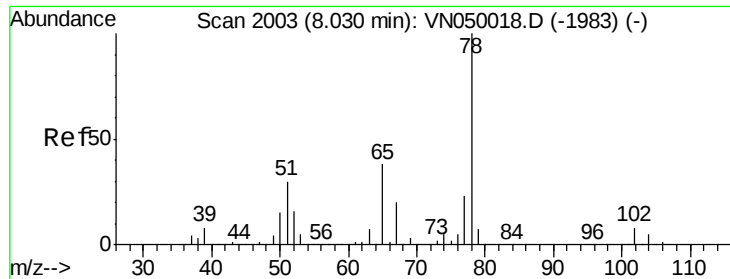
Tot Ion: 83 Resp: 17027
Ion Ratio Lower Upper
83 100
85 73.0 52.5 78.7



#31
Cyclohexane
Concen: 0.87 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

Tgt Ion: 56 Resp: 11858
Ion Ratio Lower Upper
56 100
69 191.9 26.2 39.4#
84 146.4 67.4 101.0#

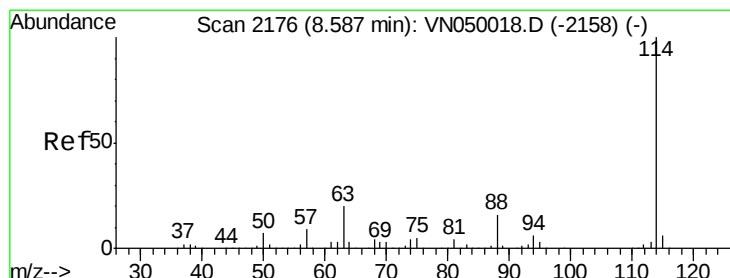
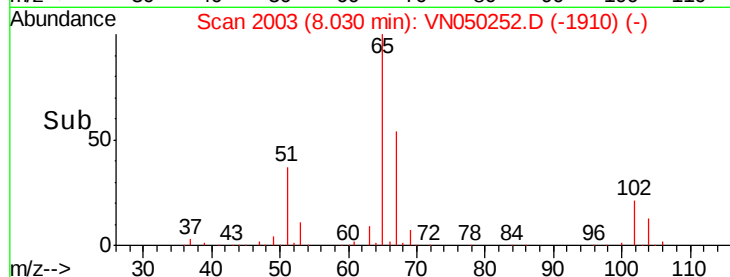
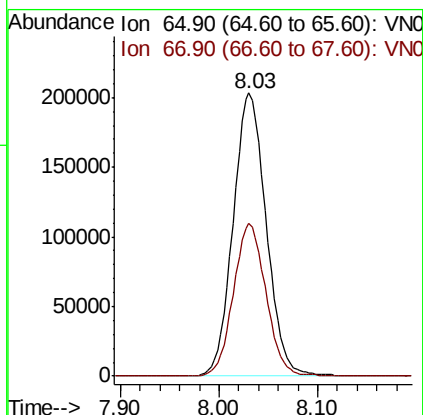
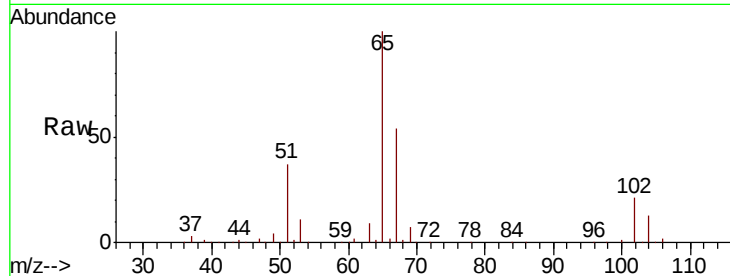




#33
 1,2-Dichloroethane-d4
 Concen: 51.15 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050252.D
 Acq: 1 Aug 2018 16:25

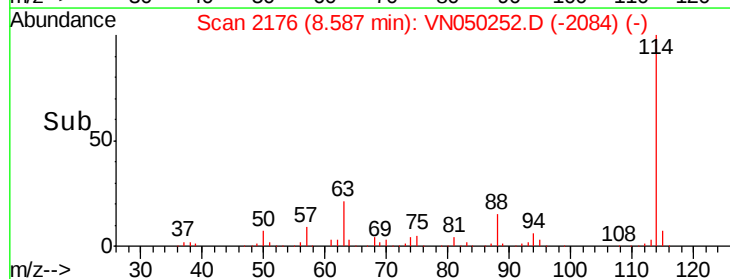
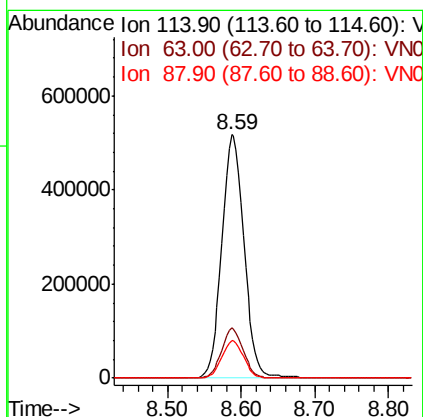
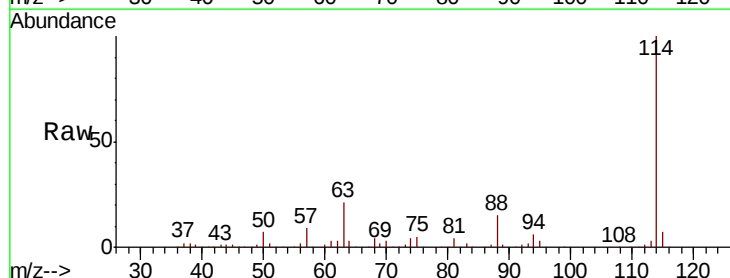
Instrument :
 MSVOA_N
 ClientSampleId :

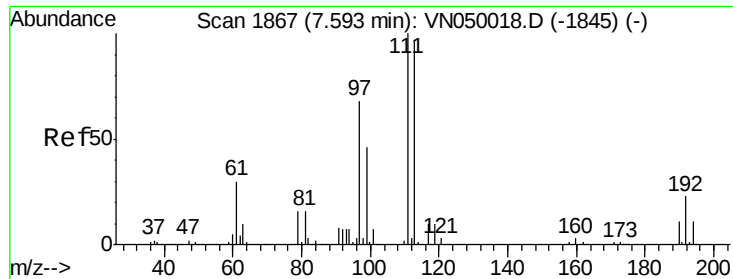
Tot Ion: 65 Resp: 471976
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050252.D
 Acq: 1 Aug 2018 16:25

Tgt Ion: 114 Resp: 1086674
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.0
 88 15.4 0.0 31.2

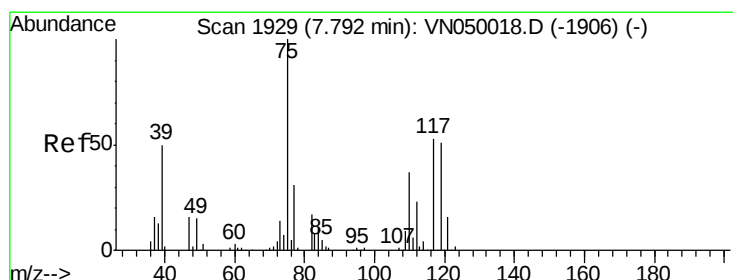
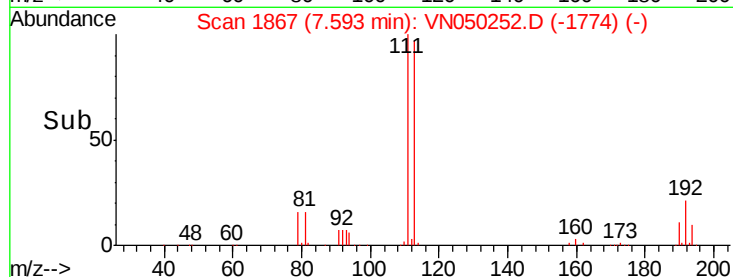
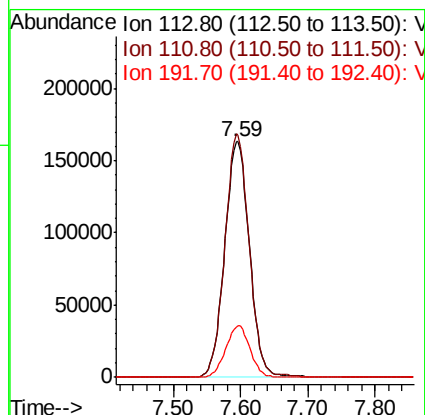
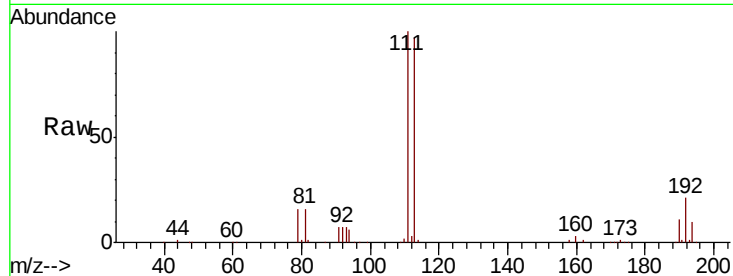




#35
 Dibromofluoromethane
 Concen: 47.18 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050252.D
 Acq: 1 Aug 2018 16:25

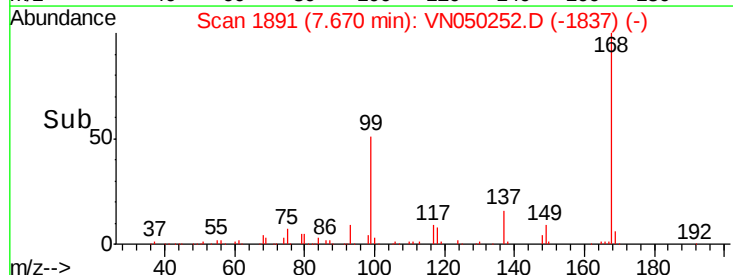
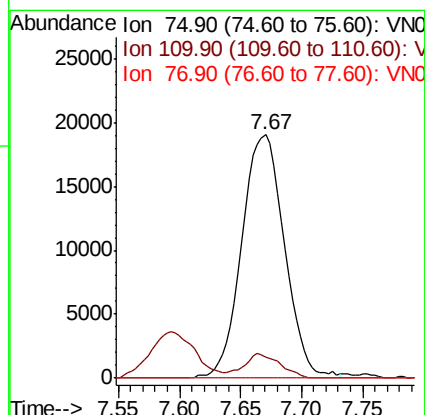
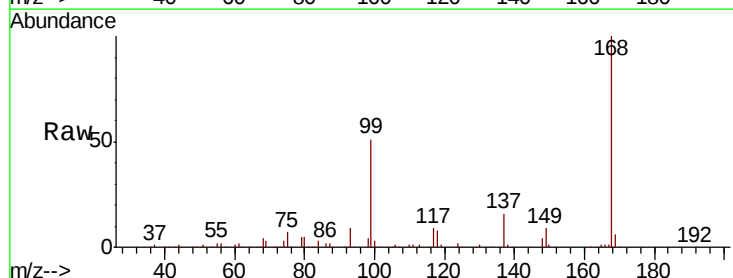
Instrument :
 MSVOA_N
 ClientSampled :

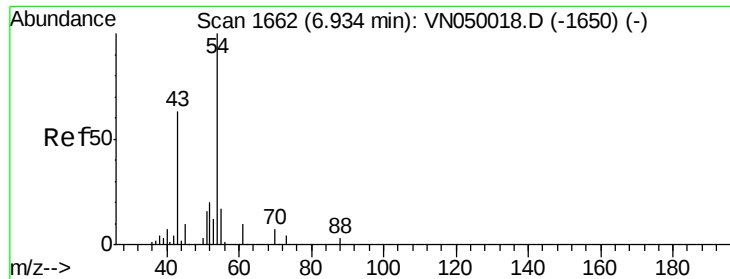
Tot Ion:113 Resp: 418594
 Ion Ratio Lower Upper
 113 100
 111 101.2 80.7 121.1
 192 21.5 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050252.D
 Acq: 1 Aug 2018 16:25

Tgt Ion: 75 Resp: 46239
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.4 55.2#
 77 0.0 25.3 37.9#

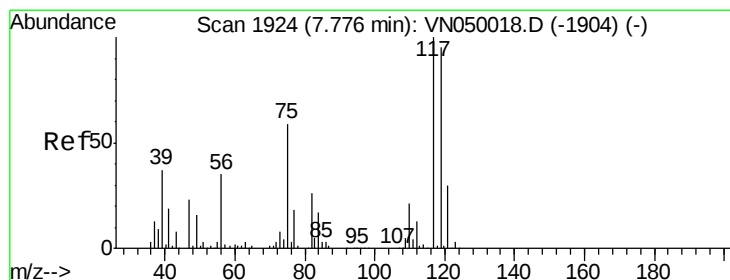
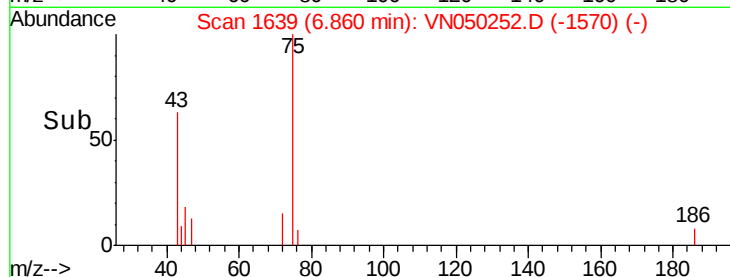
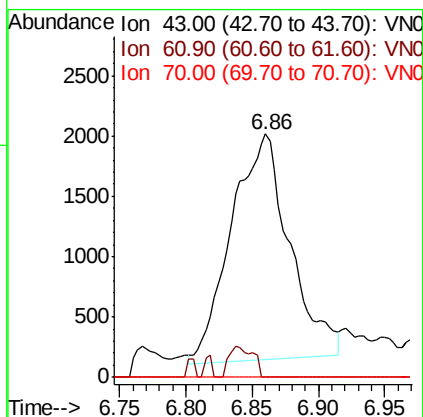
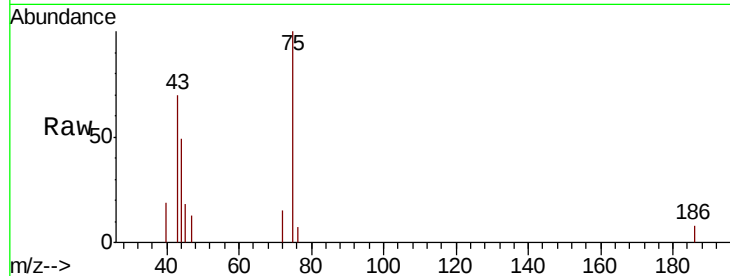




#37
Ethyl Acetate
Concen: 0.67 ug/l
RT: 6.86 min Scan# 1639
Delta R.T. -0.08 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

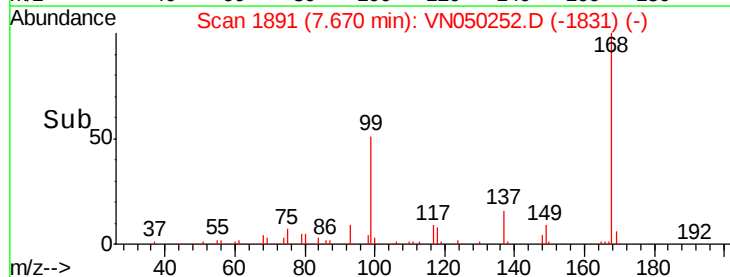
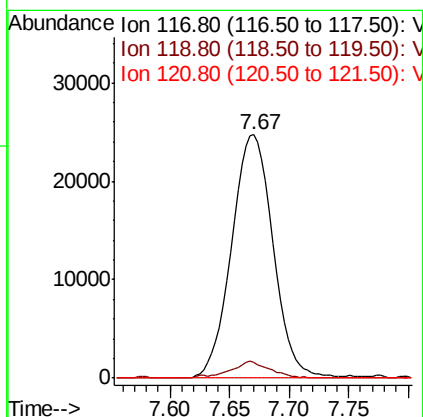
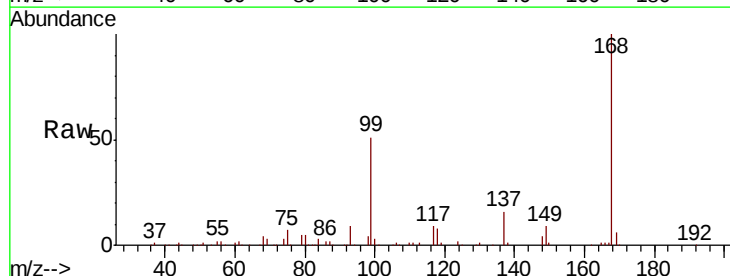
Instrument :
MSVOA_N
ClientSampled :

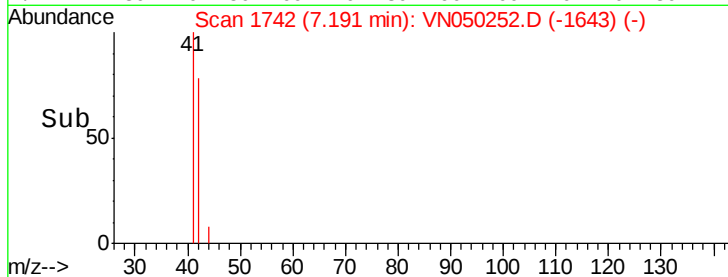
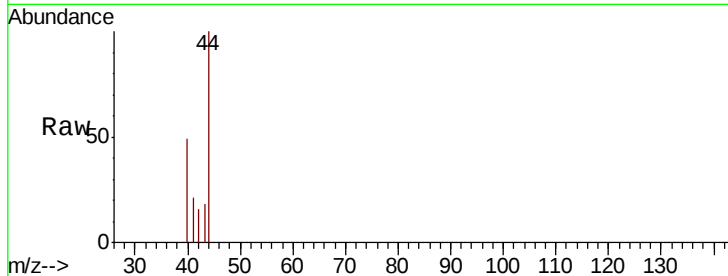
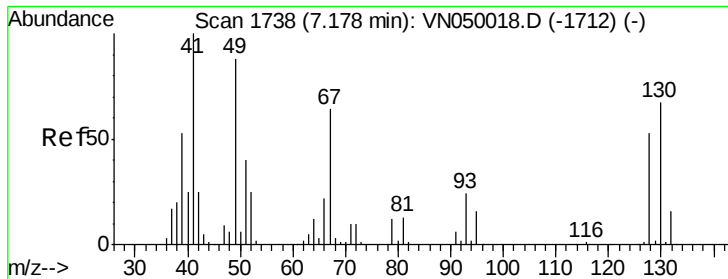
Tot Ion: 43 Resp: 5732
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.60 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

Tgt Ion: 117 Resp: 59798
Ion Ratio Lower Upper
117 100
119 6.7 77.4 116.0#
121 0.0 23.9 35.9#

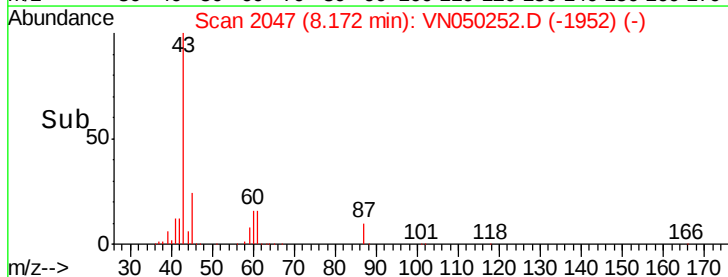
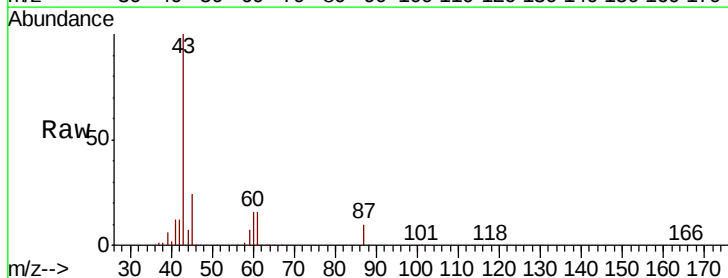
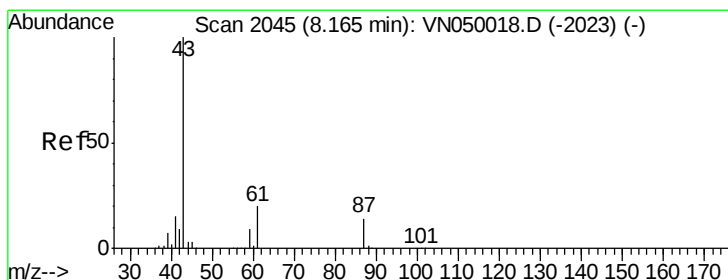
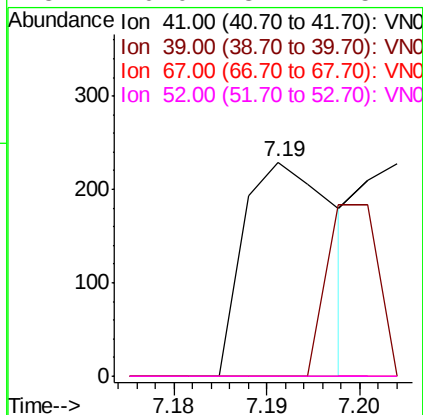




#41
Methacrylonitrile
Concen: 2.78 ug/l
RT: 7.19 min Scan# 1742
Delta R.T. 0.02 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

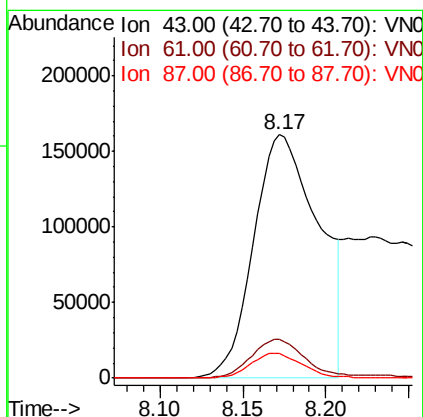
Instrument :
MSVOA_N
ClientSampleId :

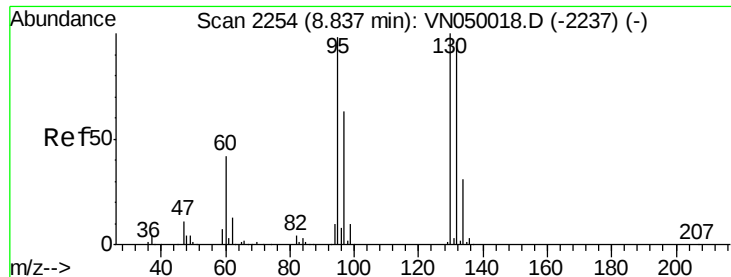
Tot Ion: 41 Resp: 155
Ion Ratio Lower Upper
41 100
39 45.8 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 26.66 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

Tgt Ion: 43 Resp: 437321
Ion Ratio Lower Upper
43 100
61 13.6 15.8 23.6#
87 8.3 10.3 15.5#





#44

Trichloroethene

Concen: 2.26 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

Instrument :

MSVOA_N

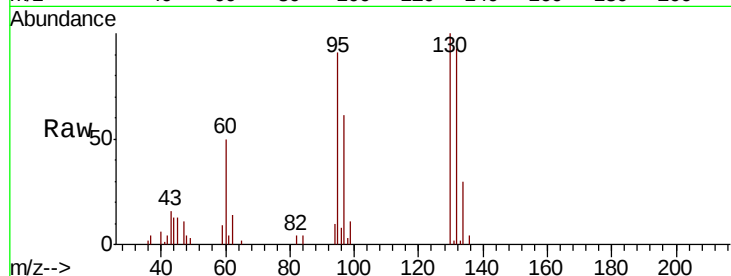
ClientSampleId :

Tot Ion:130 Resp: 22630

Ion Ratio Lower Upper

130 100

95 91.4 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

12000

10000

8000

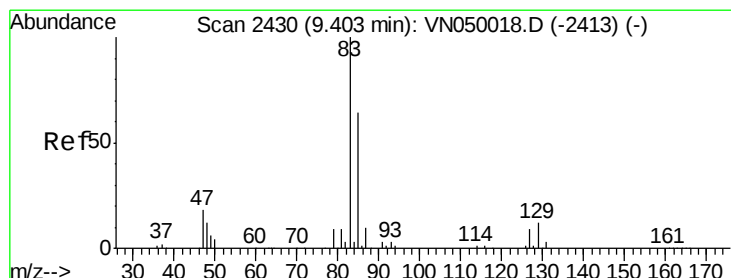
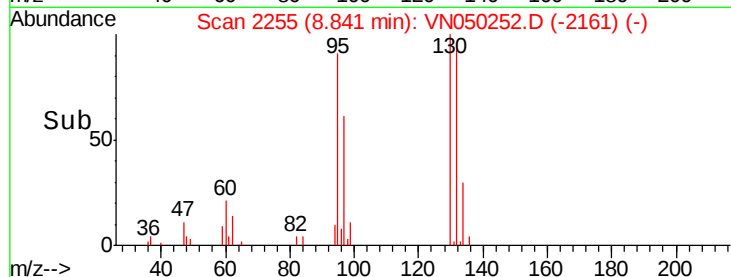
6000

4000

2000

0

Time--> 8.75 8.80 8.85 8.90



#47

Bromodichloromethane

Concen: 0.31 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.01 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

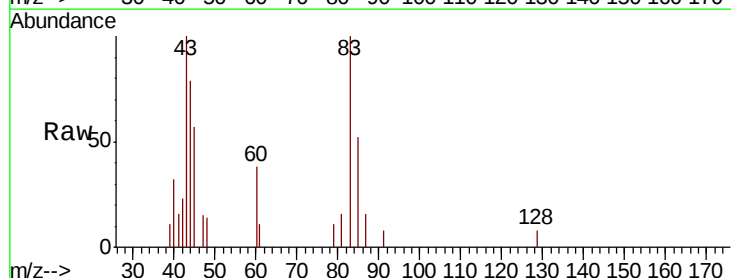
Tgt Ion: 83 Resp: 4016

Ion Ratio Lower Upper

83 100

85 52.2 51.1 76.7

127 0.0 7.0 10.4#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

2500

2000

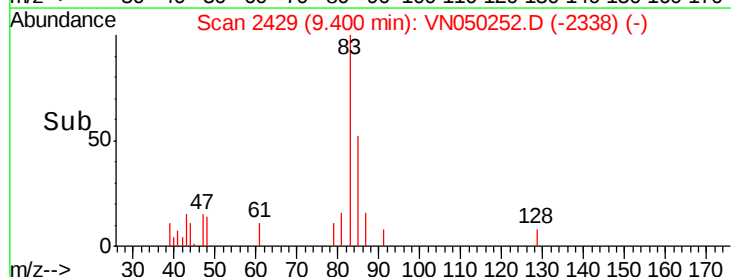
1500

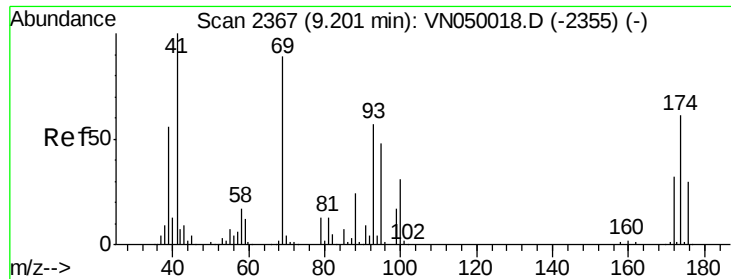
1000

500

0

Time--> 9.35 9.40 9.45

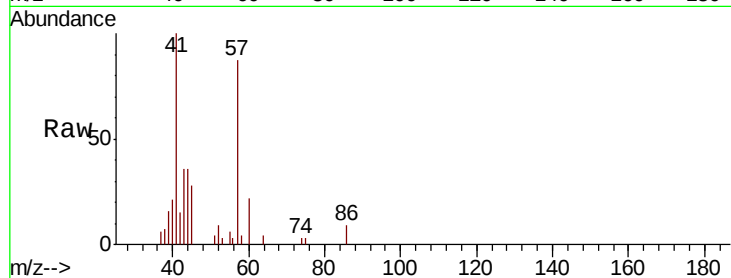




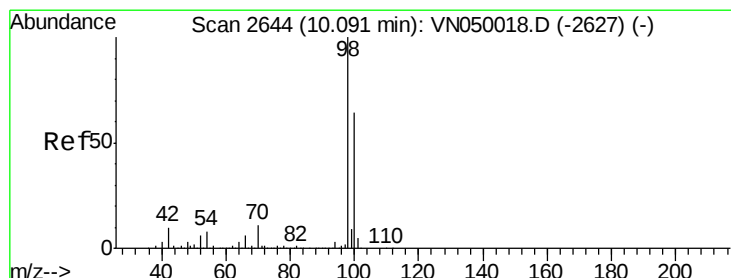
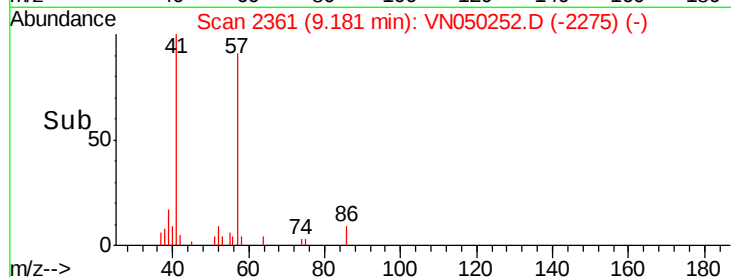
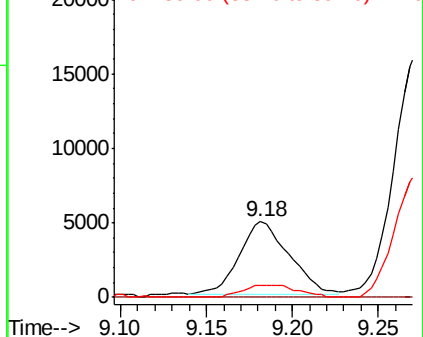
#48
Methvl methacrylate
Concen: 1.33 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 9802
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 18.4 43.9 65.9#

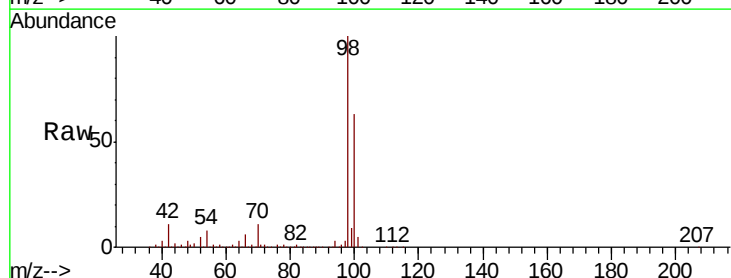


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

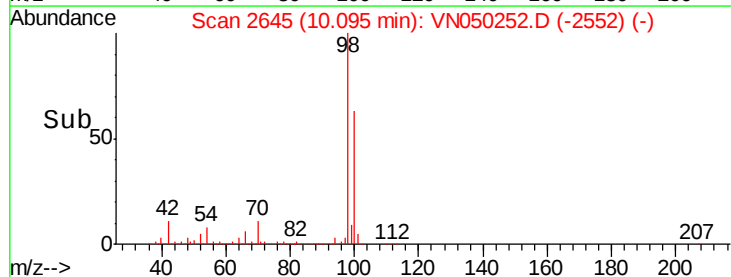
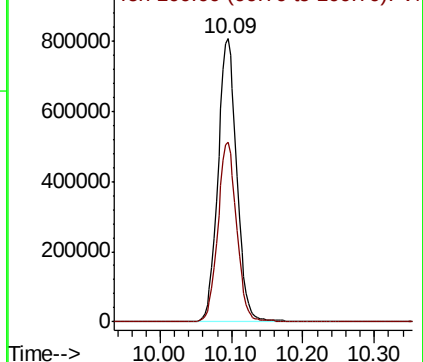


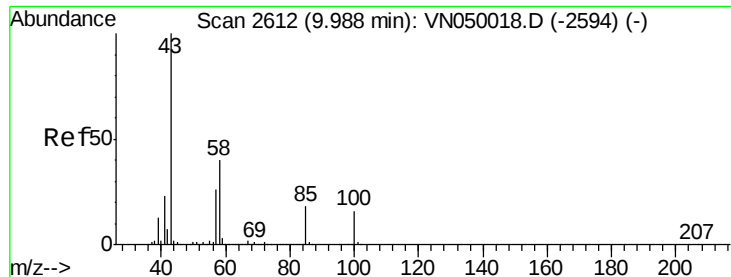
#50
Toluene-d8
Concen: 45.13 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

Tgt Ion: 98 Resp: 1472008
Ion Ratio Lower Upper
98 100
100 63.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

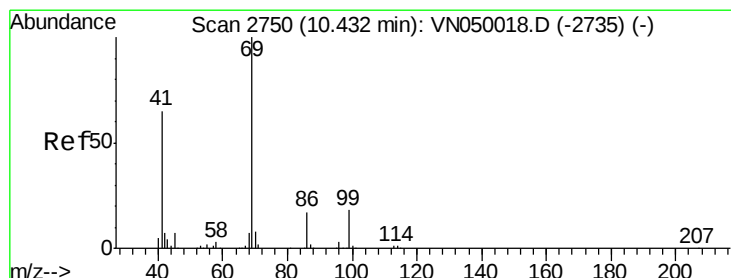
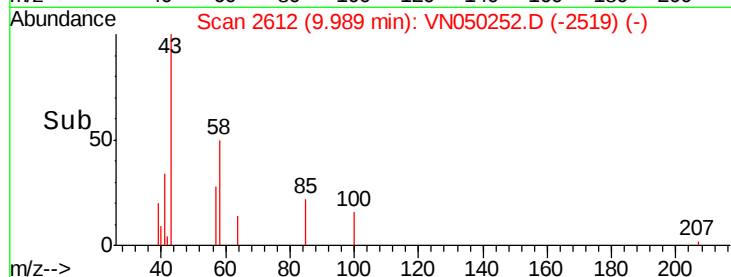
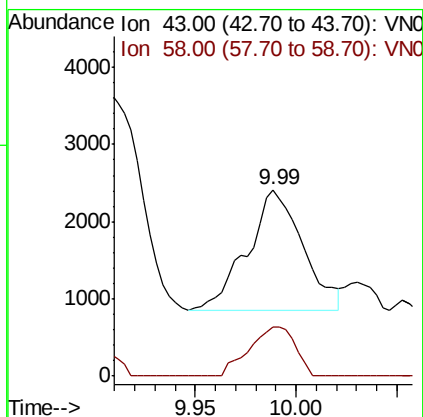
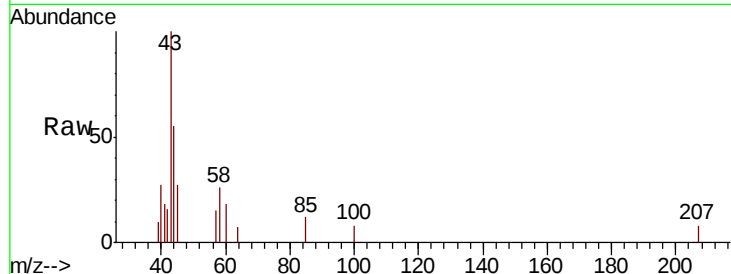




#51
4-Methyl-2-Pentanone
Concen: 0.36 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

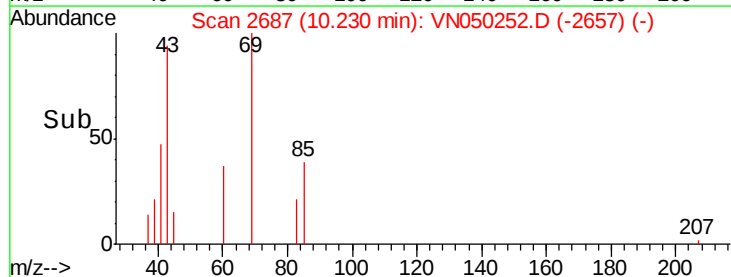
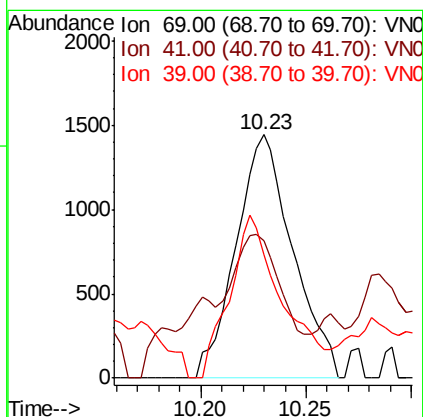
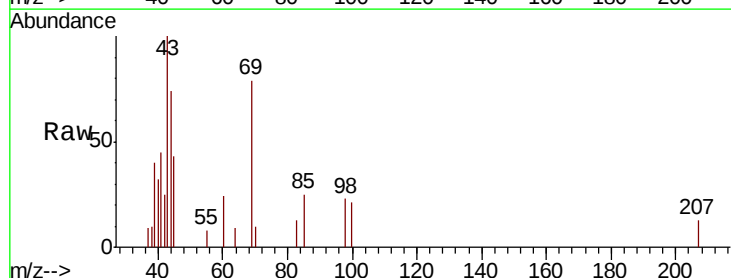
Instrument :
MSVOA_N
ClientSampled :

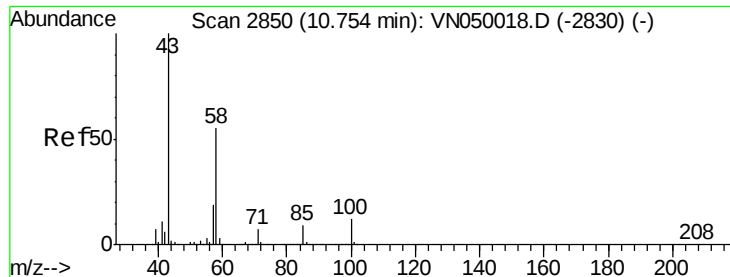
Tot Ion: 43 Resp: 3022
Ion Ratio Lower Upper
43 100
58 33.6 31.9 47.9



#56
Ethyl methacrylate
Concen: 2.25 ug/l
RT: 10.23 min Scan# 2687
Delta R.T. -0.20 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

Tgt Ion: 69 Resp: 2707
Ion Ratio Lower Upper
69 100
41 35.9 51.0 76.4#
39 61.2 26.6 40.0#





#59

2-Hexanone

Concen: 8.65 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

Instrument :

MSVOA_N

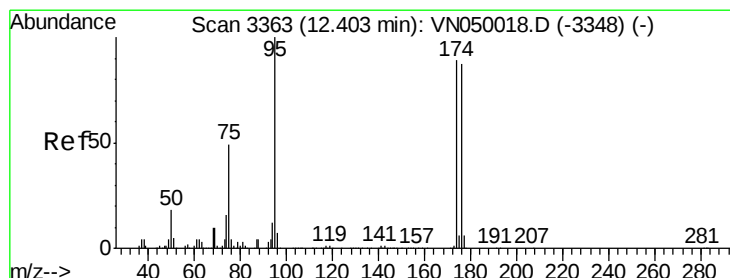
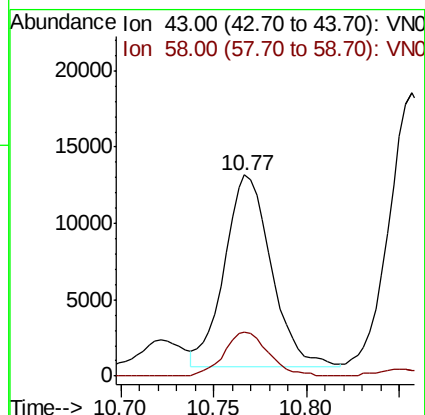
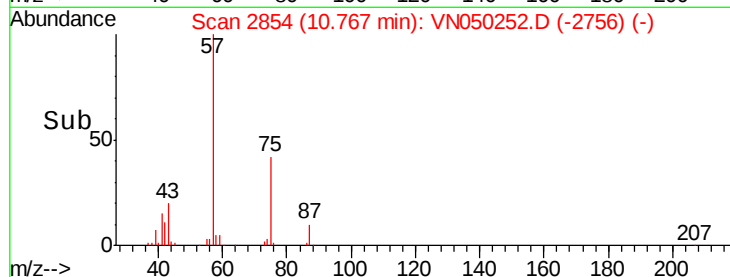
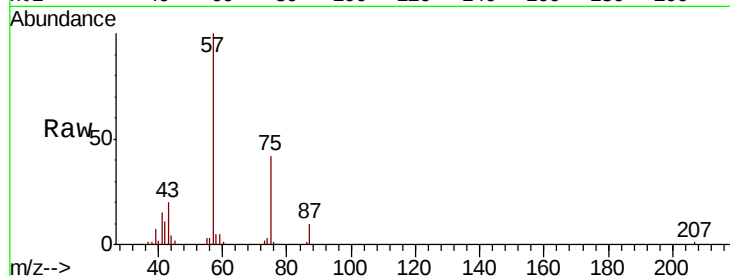
ClientSampled :

Tot Ion: 43 Resp: 21876

Ion Ratio Lower Upper

43 100

58 22.1 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 39.04 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

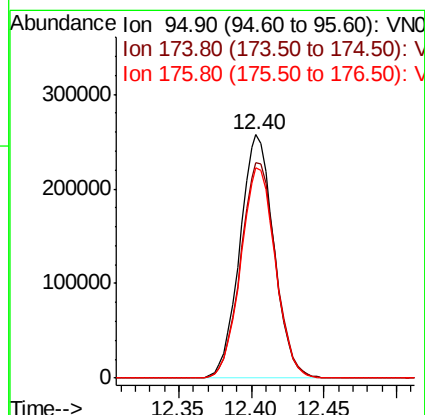
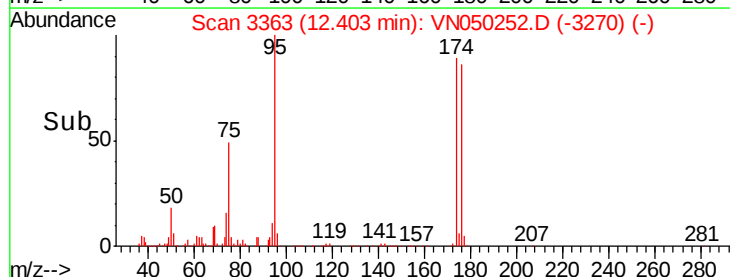
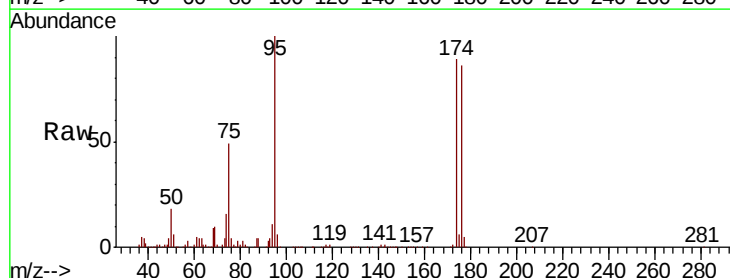
Tgt Ion: 95 Resp: 419263

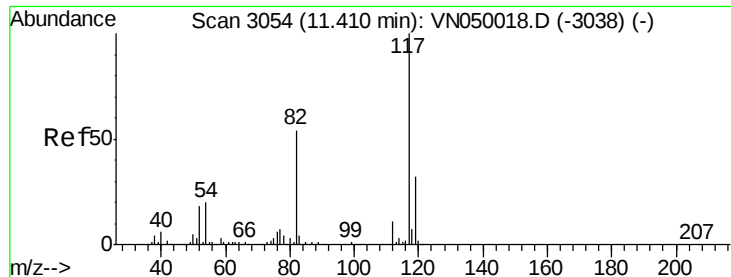
Ion Ratio Lower Upper

95 100

174 91.2 0.0 178.2

176 88.1 0.0 173.4

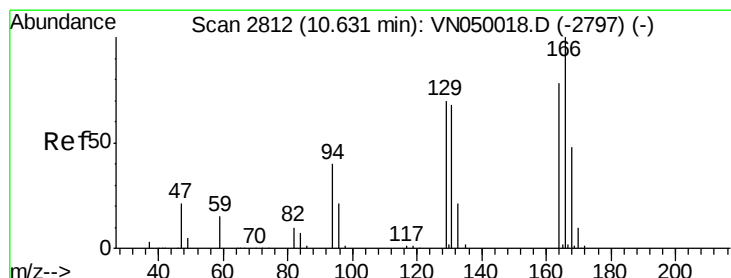
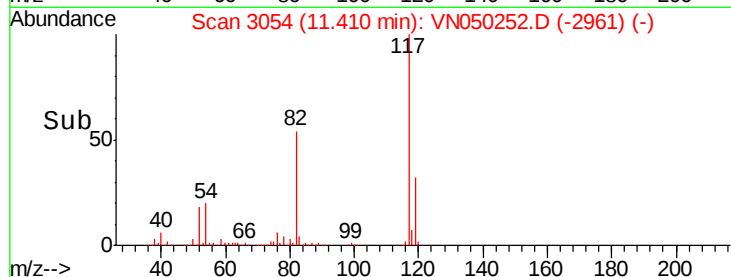
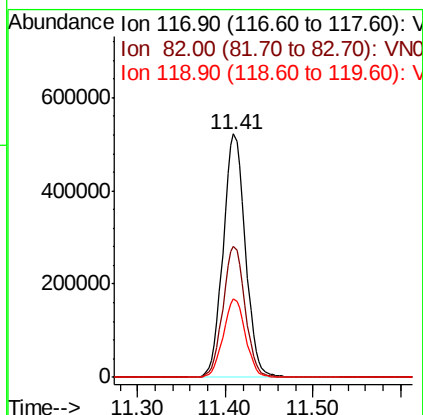
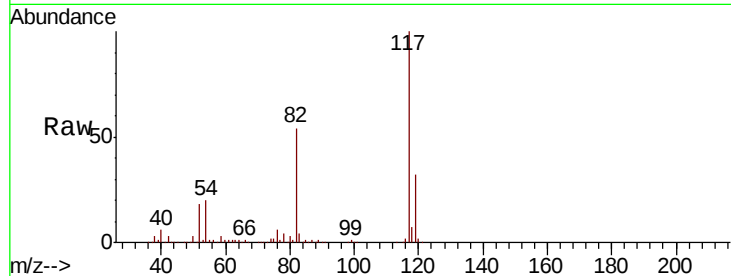




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

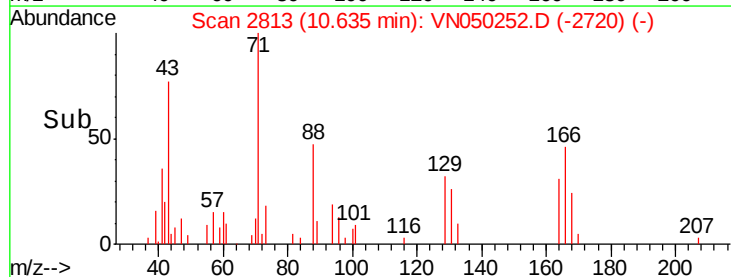
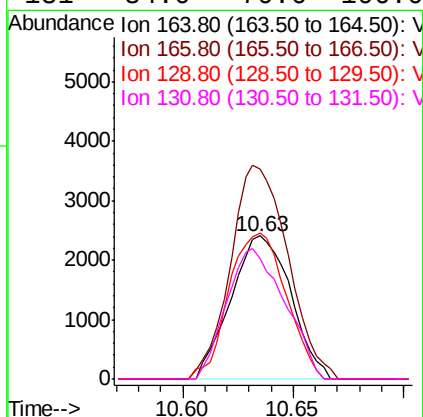
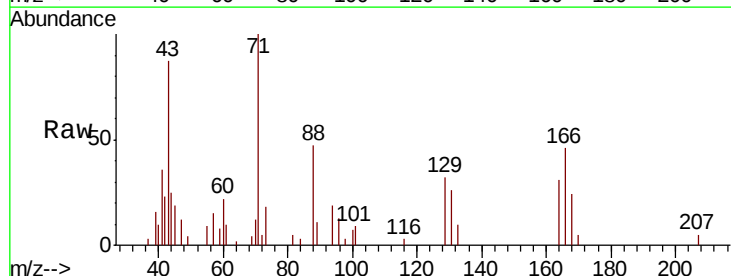
Instrument :
MSVOA_N
ClientSampleId :

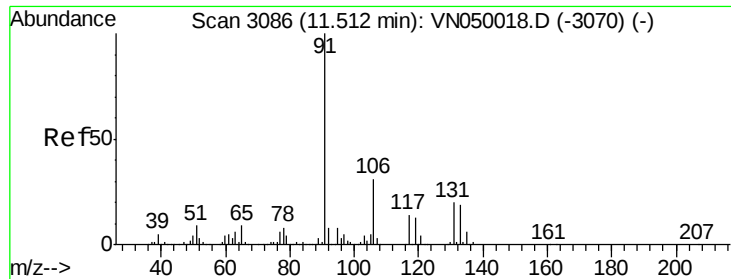
Tot Ion:117 Resp: 916828
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.0 26.1 39.1



#64
Tetrachloroethene
Concen: 0.51 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

Tgt Ion:164 Resp: 4521
Ion Ratio Lower Upper
164 100
166 146.3 102.1 153.1
129 101.7 73.2 109.8
131 84.0 70.6 106.0





#67

Ethyl Benzene

Concen: 0.20 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

Instrument :

MSVOA_N

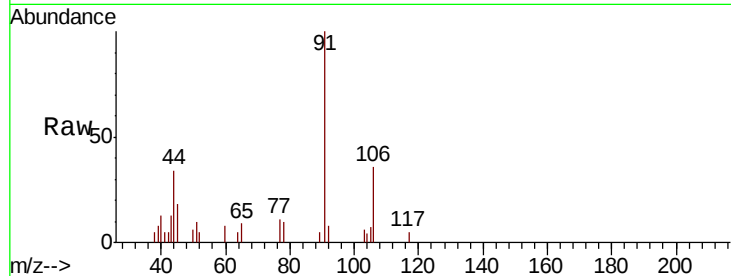
ClientSampleId :

Tot Ion: 91 Resp: 7612

Ion Ratio Lower Upper

91 100

106 35.9 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3070) (-)

Ion 106.00 (105.70 to 106.70): VN050018.D (-3070) (-)

11.51

4000

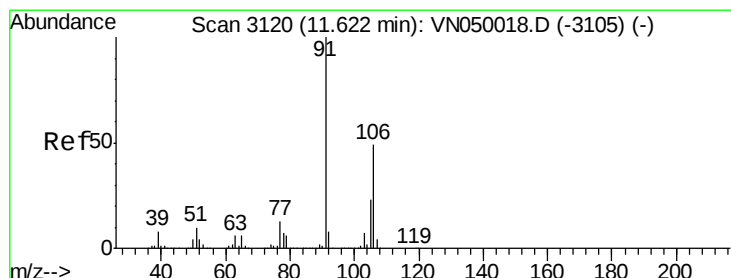
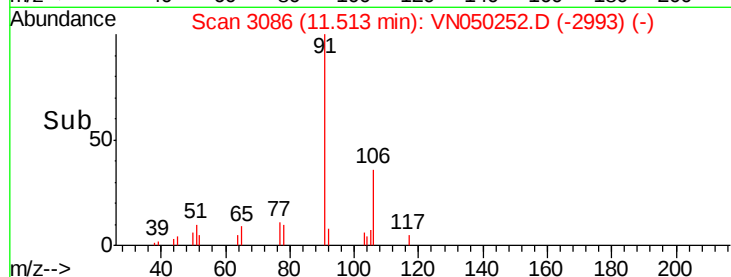
3000

2000

1000

0

Time--> 11.45 11.50 11.55



#68

m/p-Xylenes

Concen: 0.58 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.01 min

Lab File: VN050252.D

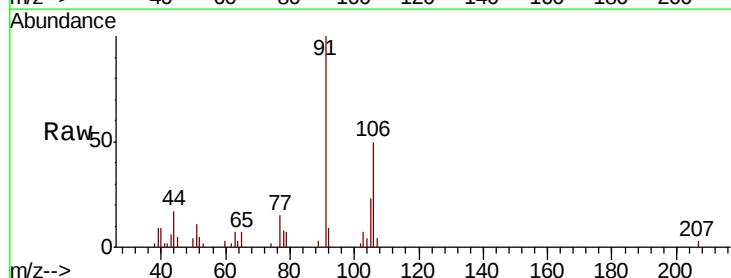
Acq: 1 Aug 2018 16:25

Tgt Ion:106 Resp: 8140

Ion Ratio Lower Upper

106 100

91 208.7 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VN050018.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN050018.D (-3105) (-)

11.62

10000

8000

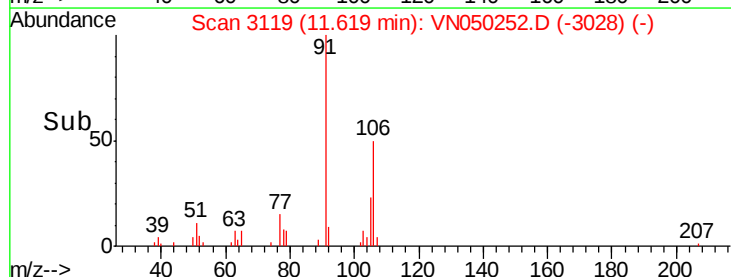
6000

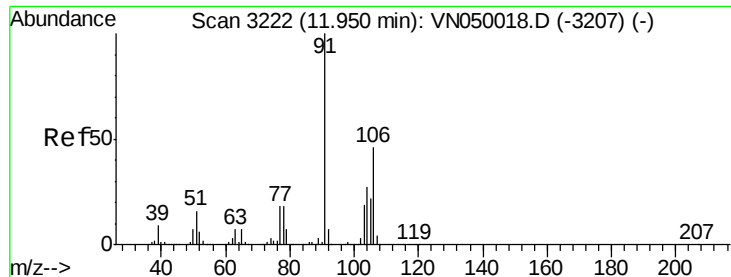
4000

2000

0

Time--> 11.55 11.60 11.65

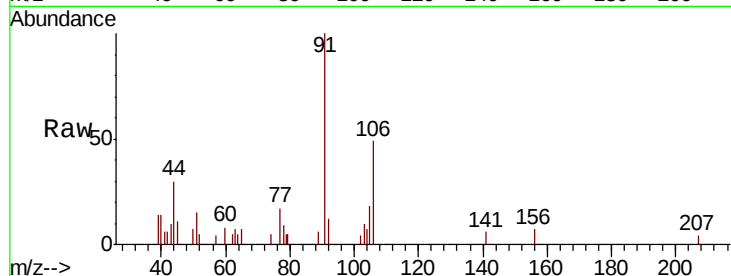




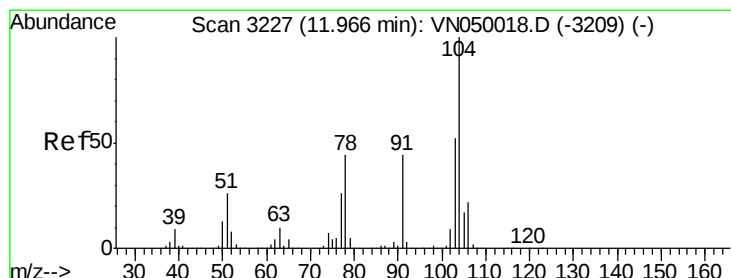
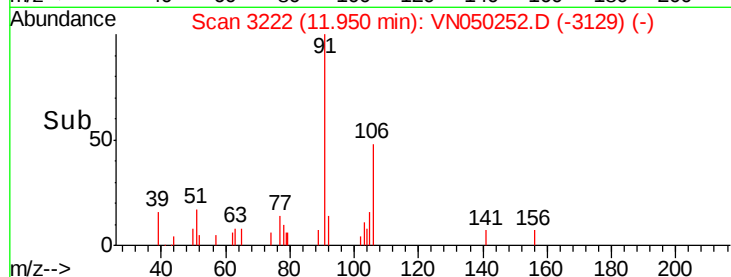
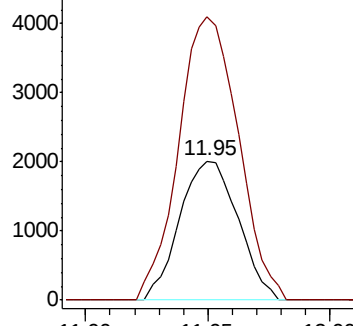
#69
o-Xylene
Concen: 0.25 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 3329
Ion Ratio Lower Upper
106 100
91 208.9 107.7 323.1

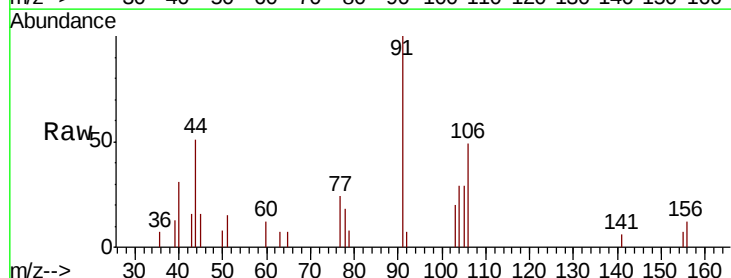


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

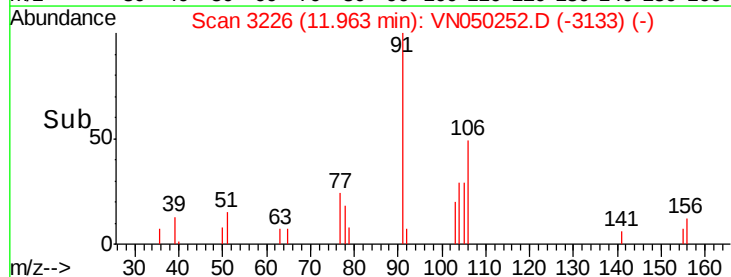
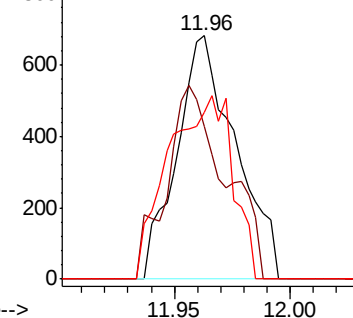


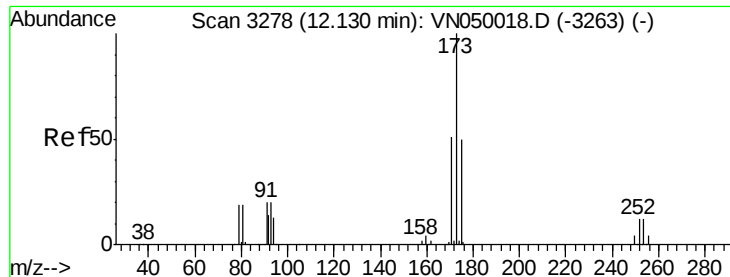
#70
Styrene
Concen: 0.97 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050252.D
Acq: 1 Aug 2018 16:25

Tgt Ion:104 Resp: 1201
Ion Ratio Lower Upper
104 100
78 79.2 39.3 58.9#
103 82.8 45.0 67.6#



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: 0.27 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

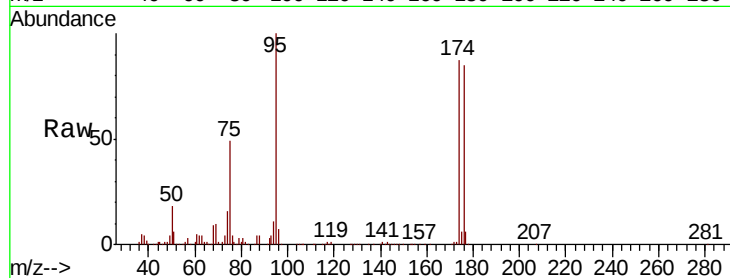
Tot Ion:173 Resp: 1731

Ion Ratio Lower Upper

173 100

175 1429.6 24.1 72.2#

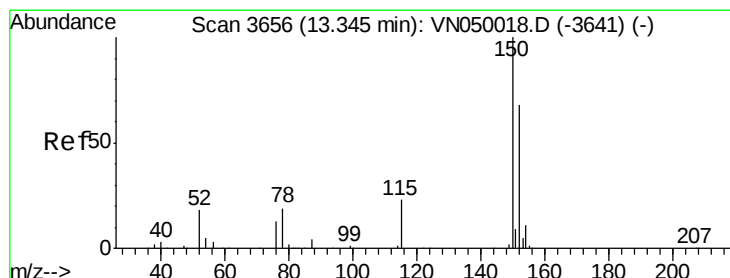
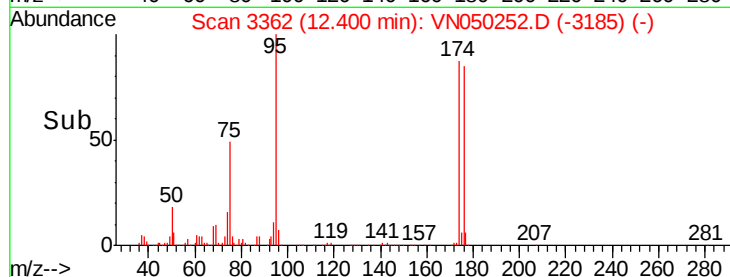
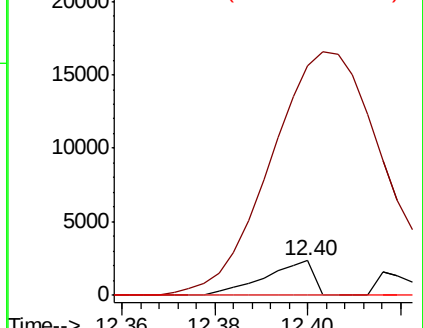
254 0.0 0.2 0.2#



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: VN050252.D

Acq: 1 Aug 2018 16:25

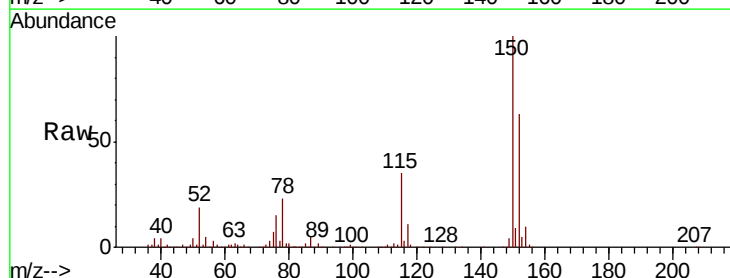
Tgt Ion:152 Resp: 387931

Ion Ratio Lower Upper

152 100

115 56.7 27.8 83.3

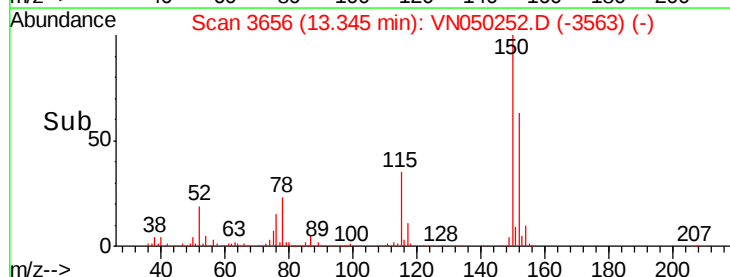
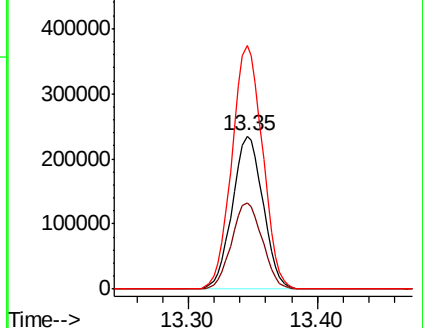
150 159.2 0.0 348.6

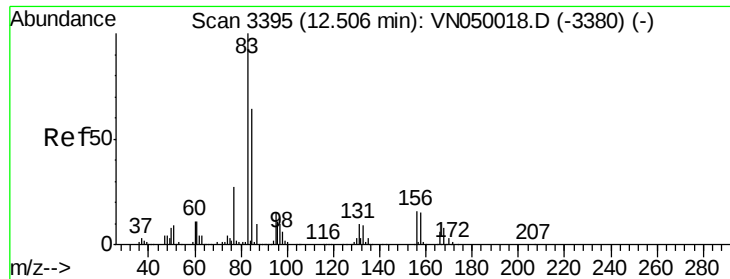


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3365

Delta R.T. -0.10 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

Instrument :

MSVOA_N

ClientSampled :

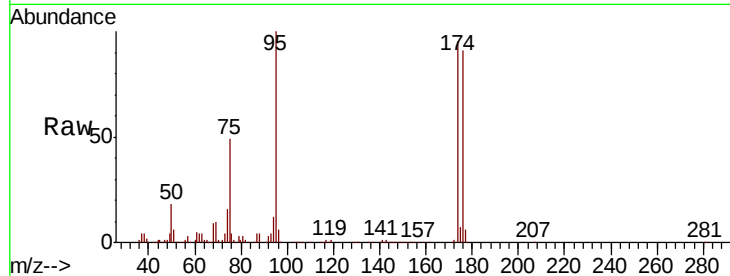
Tot Ion: 83 Resp: 235

Ion Ratio Lower Upper

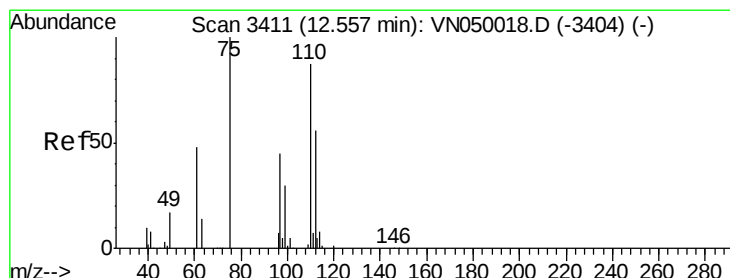
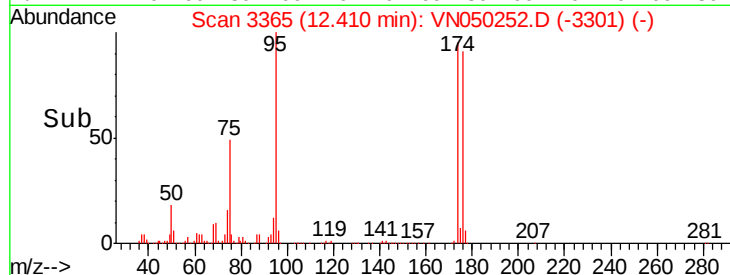
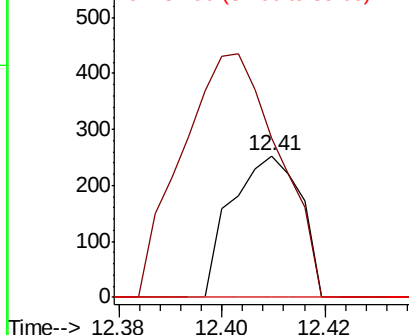
83 100

131 240.0 5.1 15.3#

85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 28.82 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050252.D

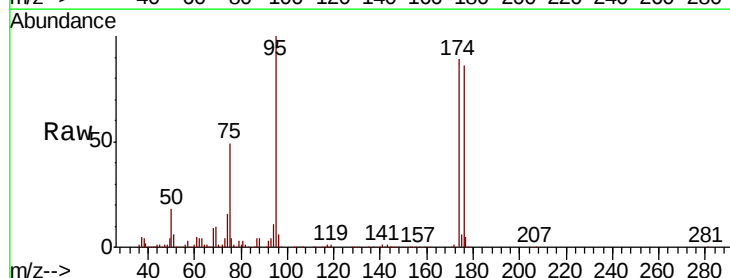
Acq: 1 Aug 2018 16:25

Tgt Ion: 75 Resp: 207764

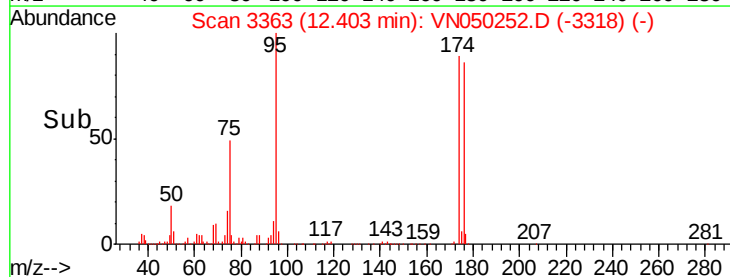
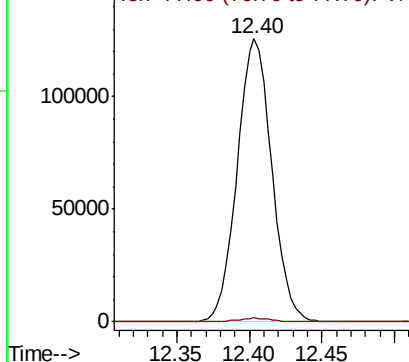
Ion Ratio Lower Upper

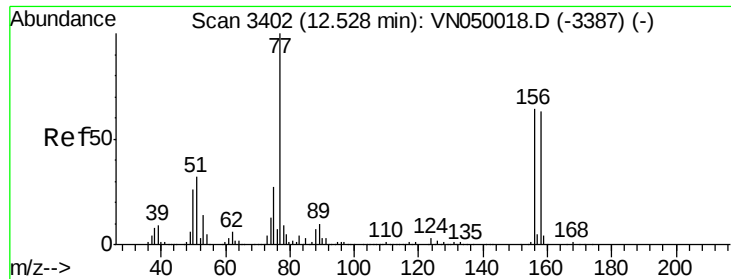
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 0.24 ug/l

RT: 12.54 min Scan# 3405

Delta R.T. 0.01 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

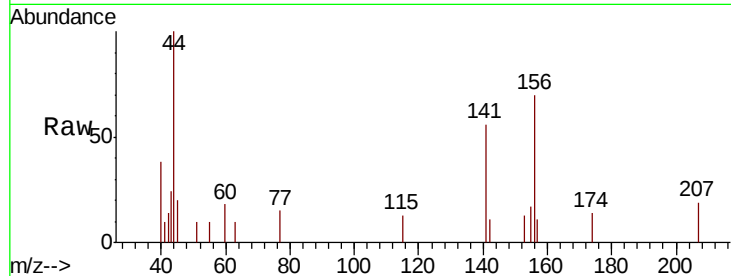
Tot Ion:156 Resp: 2002

Ion Ratio Lower Upper

156 100

77 19.7 91.7 275.1#

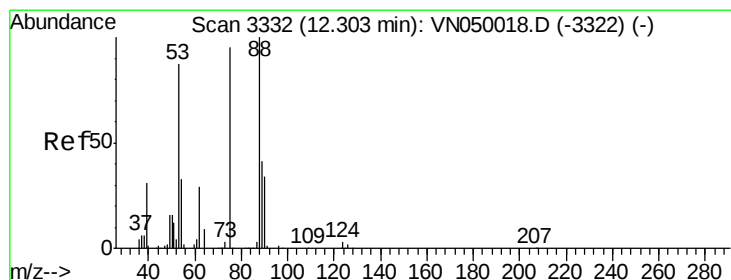
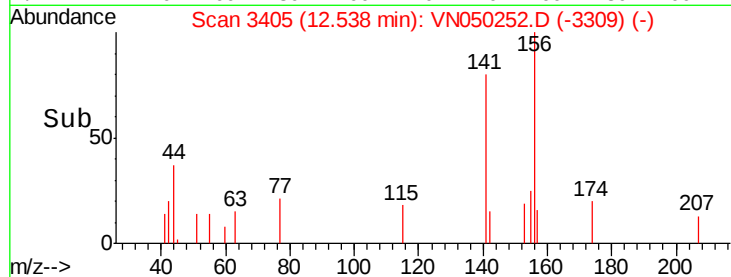
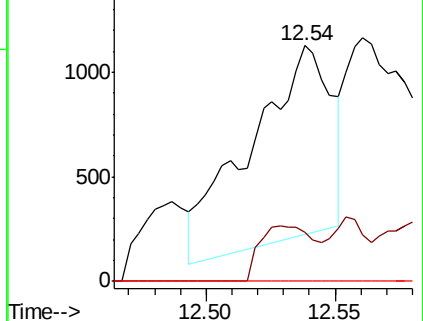
158 0.0 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 91.41 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

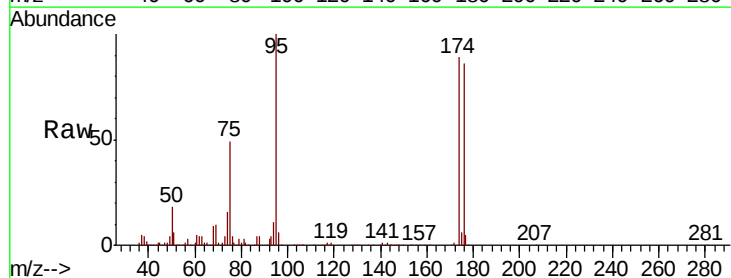
Tgt Ion: 75 Resp: 207764

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

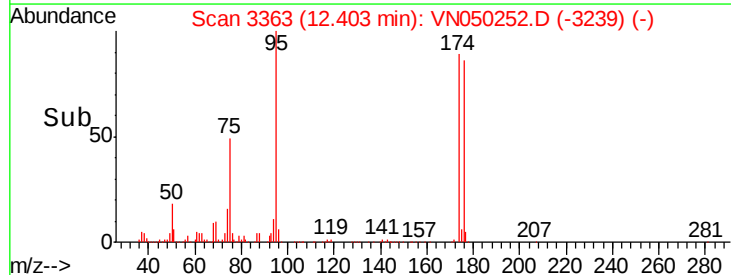
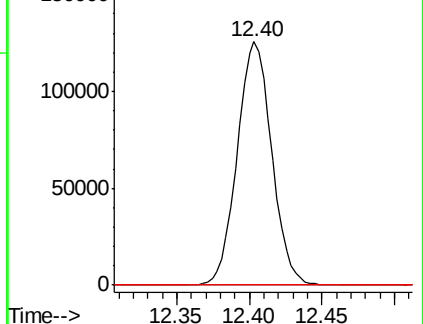
89 0.0 36.0 54.0#

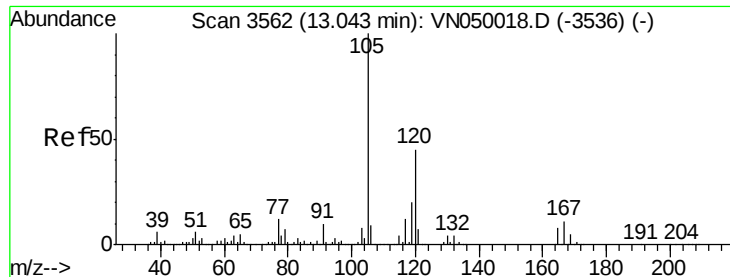


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

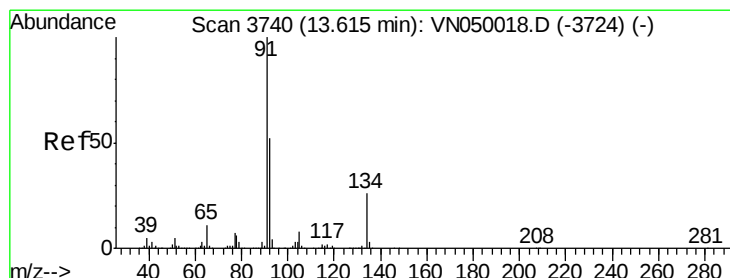
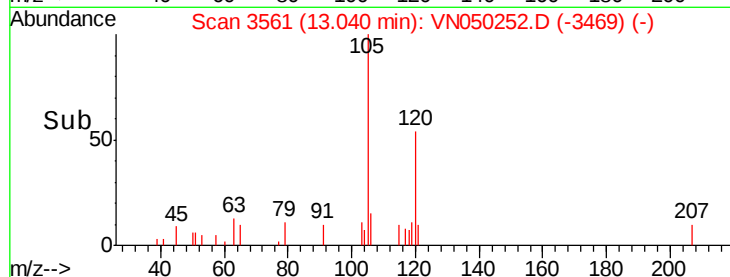
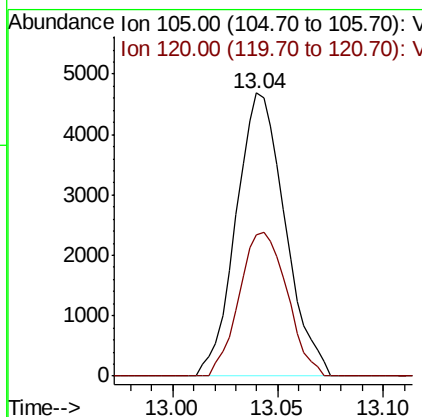
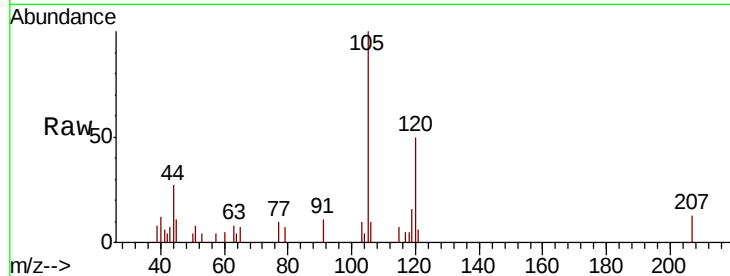




#84
 1,2,4-Trimethylbenzene
 Concen: 0.32 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050252.D
 Acq: 1 Aug 2018 16:25

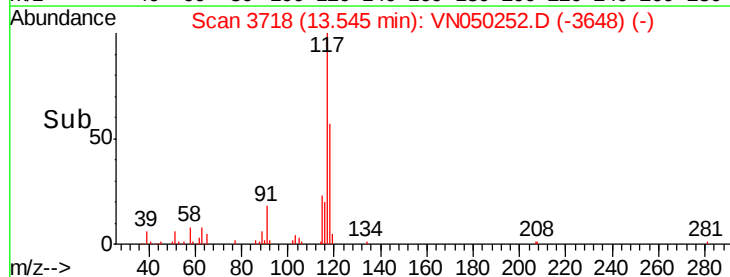
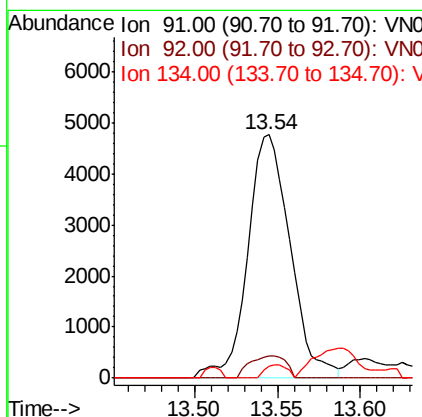
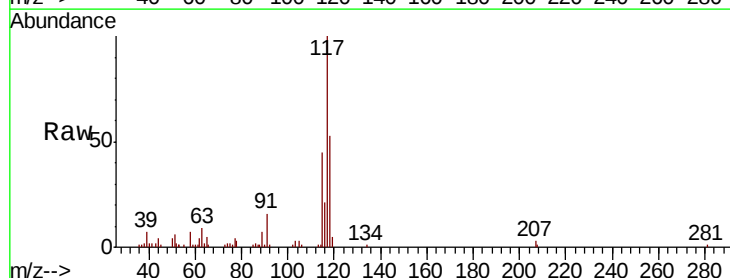
Instrument :
 MSVOA_N
 ClientSampled :

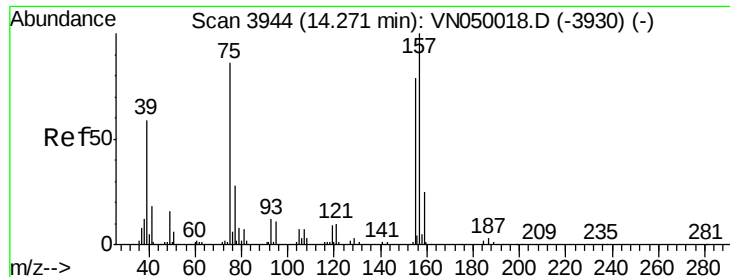
Tot Ion:105 Resp: 7573
 Ion Ratio Lower Upper
 105 100
 120 49.5 22.9 68.7



#89
 n-Butylbenzene
 Concen: 0.44 ug/l
 RT: 13.54 min Scan# 3718
 Delta R.T. -0.07 min
 Lab File: VN050252.D
 Acq: 1 Aug 2018 16:25

Tgt Ion: 91 Resp: 8495
 Ion Ratio Lower Upper
 91 100
 92 7.7 25.8 77.4#
 134 2.9 12.8 38.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.28 min Scan# 3947

Delta R.T. 0.01 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

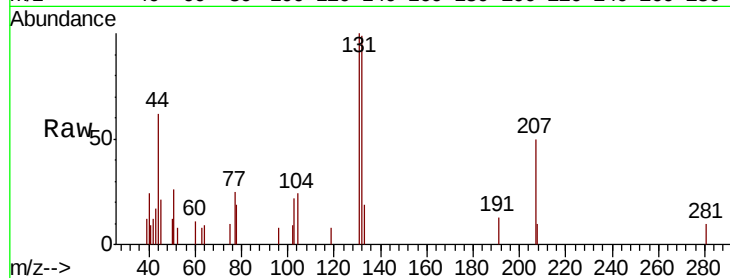
Tot Ion: 75 Resp: 326

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

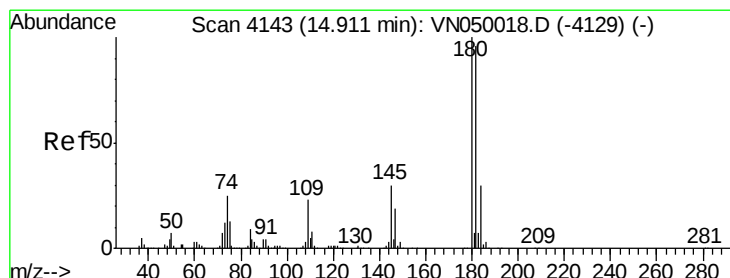
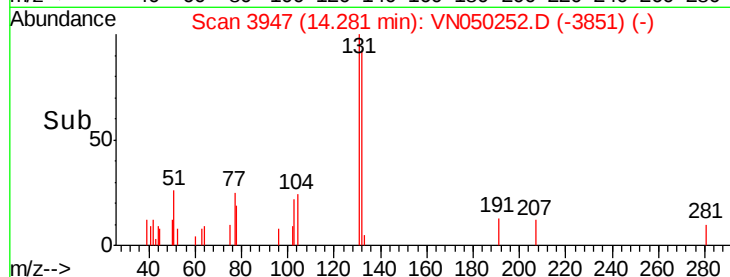
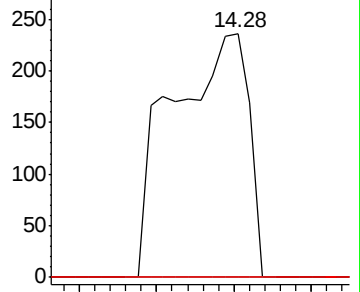
157 0.0 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN050018.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN050018.D (-3930) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.12 ug/l

RT: 14.92 min Scan# 4145

Delta R.T. 0.01 min

Lab File: VN050252.D

Acq: 1 Aug 2018 16:25

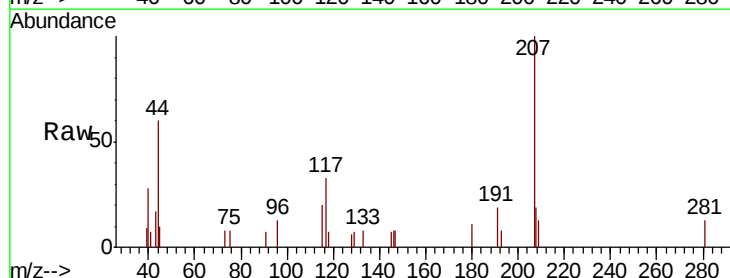
Tgt Ion: 180 Resp: 246

Ion Ratio Lower Upper

180 100

182 57.3 46.7 140.1

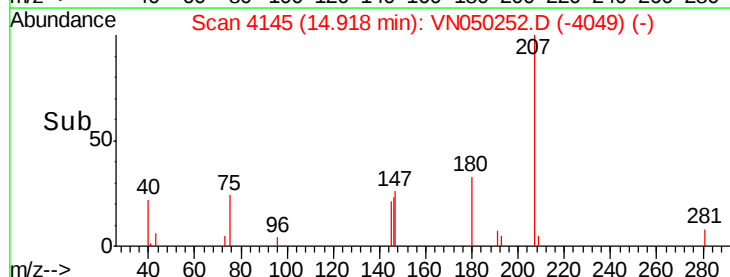
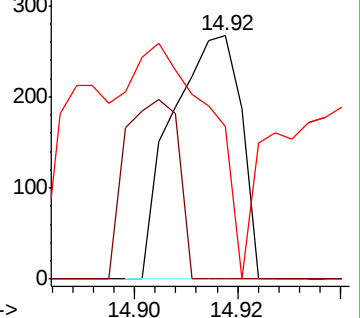
145 101.6 13.8 41.4#

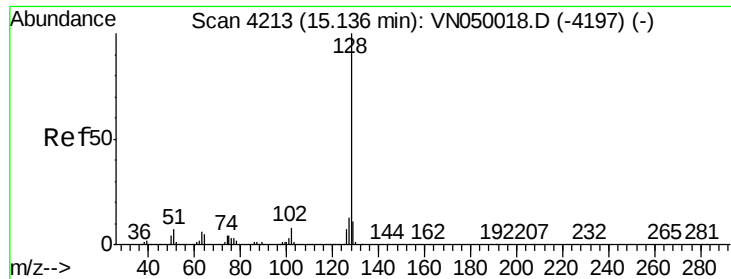


Abundance Ion 179.80 (179.50 to 180.50): VN050018.D (-4129) (-)

Ion 181.80 (181.50 to 182.50): VN050018.D (-4129) (-)

Ion 144.80 (144.50 to 145.50): VN050018.D (-4129) (-)

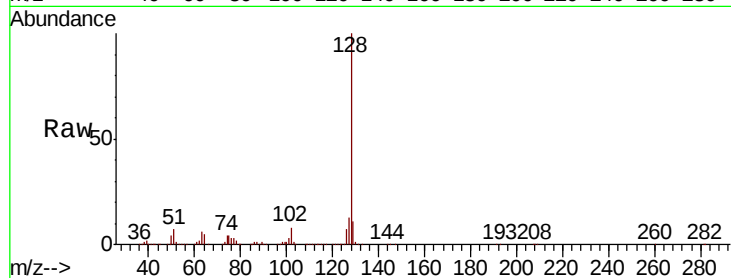




#95
 Naphthalene
 Concen: 239.13 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050252.D
 Acq: 1 Aug 2018 16:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:128 Resp: 4561144
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 10.9 8.8 13.2



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

