

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050443.D
 Acq On : 7 Aug 2018 19:59
 Operator : MD\SY
 Sample : J4369-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-35

Quant Time: Aug 08 05:29:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	823788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1242460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1094808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	489747	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	510673	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
35) Dibromofluoromethane	7.59	113	469816	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
50) Toluene-d8	10.09	98	1727164	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
62) 4-Bromofluorobenzene	12.40	95	557549	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	

Target Compounds

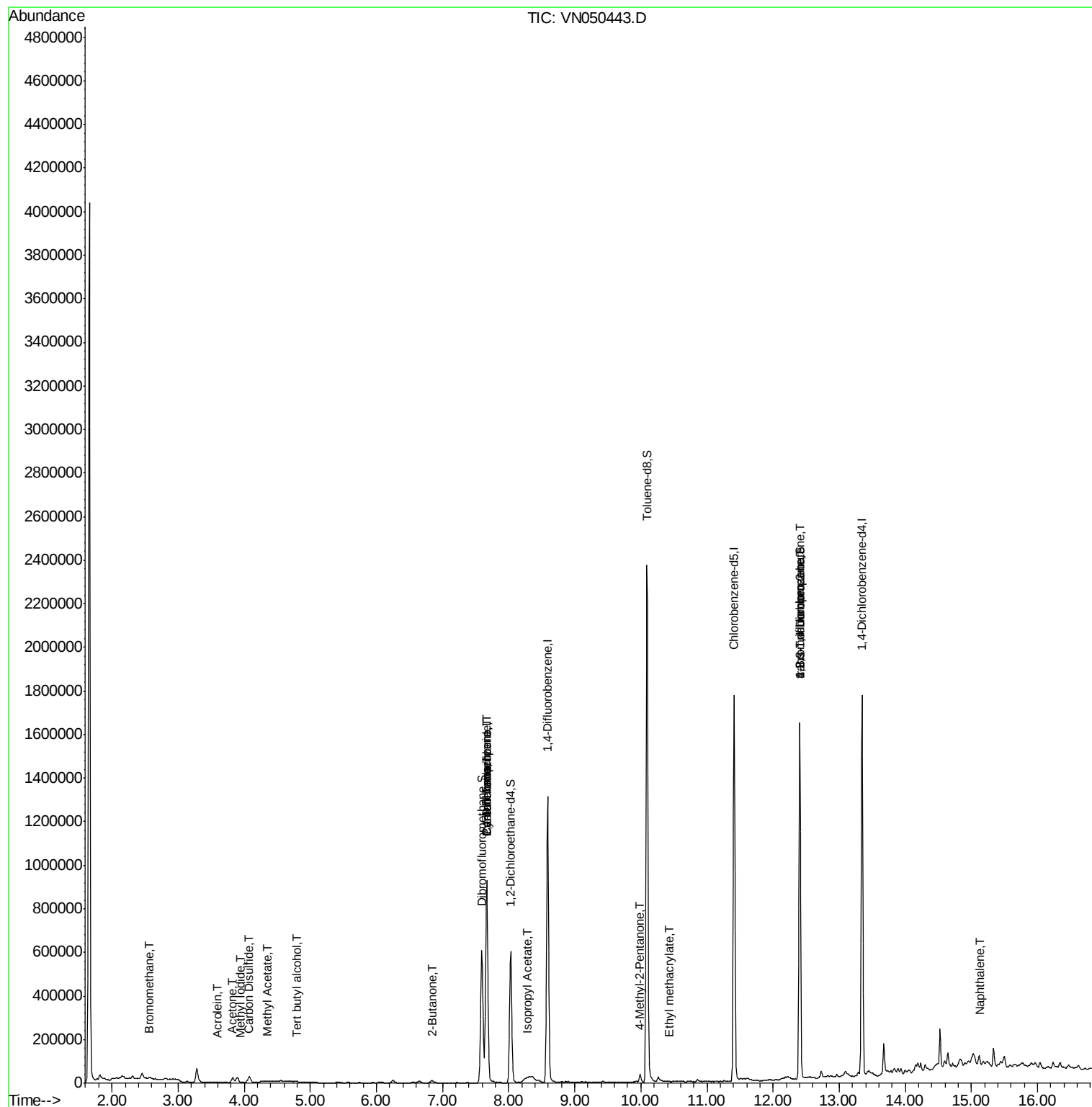
						Qvalue
3) Chloromethane	2.06	50	4349	Below Cal		98
5) Bromomethane	2.56	94	3695	0.81 ug/l		99
10) Methyl Iodide	3.96	142	1076	0.26 ug/l #		57
11) Tert butyl alcohol	4.79	59	507	0.57 ug/l #		72
13) Acrolein	3.61	56	496	15.43 ug/l #		15
16) Acetone	3.82	43	39411	11.66 ug/l		94
17) Carbon Disulfide	4.05	76	10791	0.37 ug/l		100
18) Methyl Acetate	4.35	43	4641	0.35 ug/l #		68
20) Methylene Chloride	4.56	84	2043	Below Cal #		88
25) 2-Butanone	6.84	43	3101	0.57 ug/l		98
31) Cyclohexane	7.67	56	15665	0.37 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	53776	3.94 ug/l #		48
38) Carbon Tetrachloride	7.67	117	72672	5.10 ug/l #		16
43) Isopropyl Acetate	8.27	43	24114	1.42 ug/l #		61
51) 4-Methyl-2-Pentanone	9.99	43	25218	2.06 ug/l		99
56) Ethyl methacrylate	10.43	69	134	1.72 ug/l #		26
76) 1,2,3-Trichloropropane	12.40	75	263327	29.70 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	263327	104.37 ug/l #		13
95) Naphthalene	15.14	128	4338	3.79 ug/l #		91

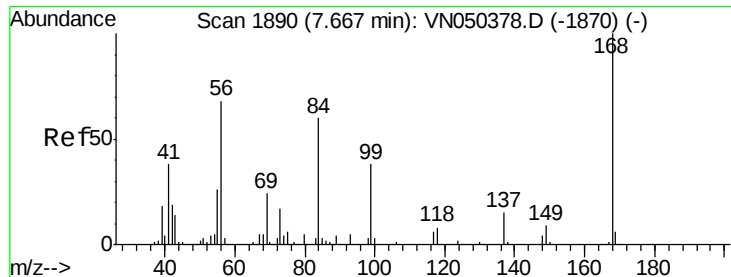
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 07 05:22:15 2018
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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: VN050443.D

Acq: 7 Aug 2018 19:59

Instrument :

MSVOA_N

ClientSampleId :

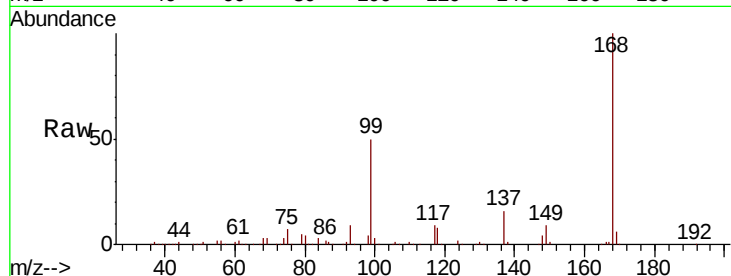
MW-35

Tot Ion:168 Resp: 823788

Ion Ratio Lower Upper

168 100

99 50.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

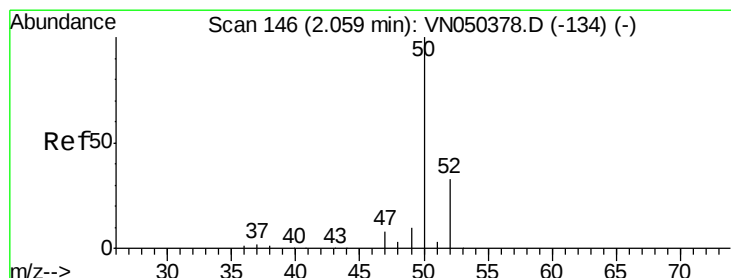
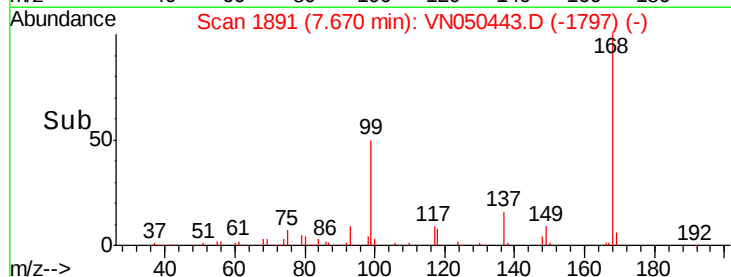
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050443.D

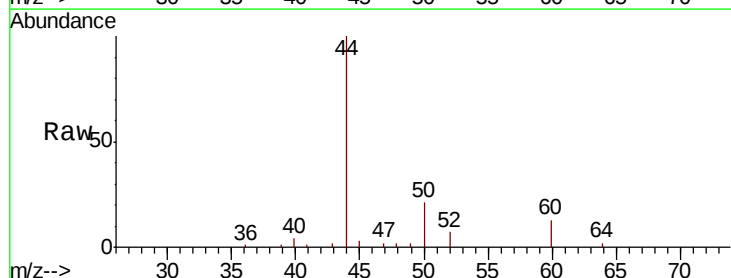
Acq: 7 Aug 2018 19:59

Tgt Ion: 50 Resp: 4349

Ion Ratio Lower Upper

50 100

52 33.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

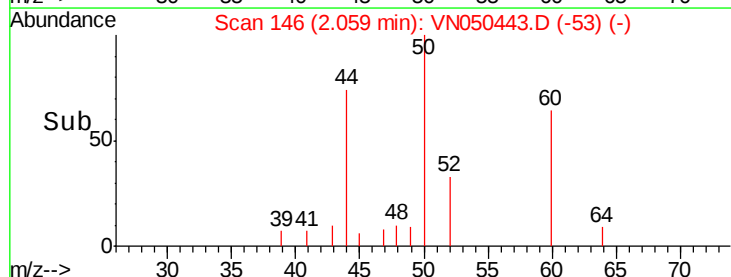
3000

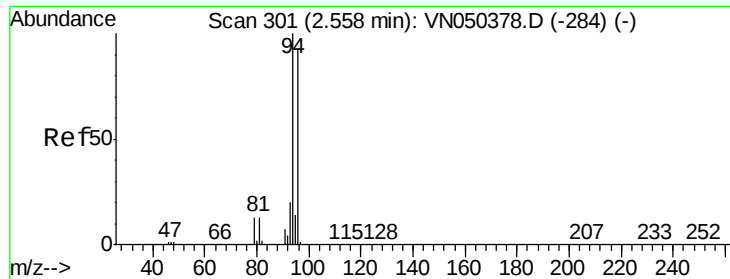
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.81 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050443.D

Acq: 7 Aug 2018 19:59

Instrument :

MSVOA_N

ClientSampled :

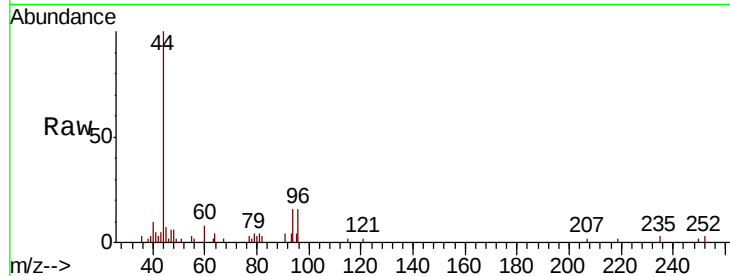
MW-35

Tot Ion: 94 Resp: 3695

Ion Ratio Lower Upper

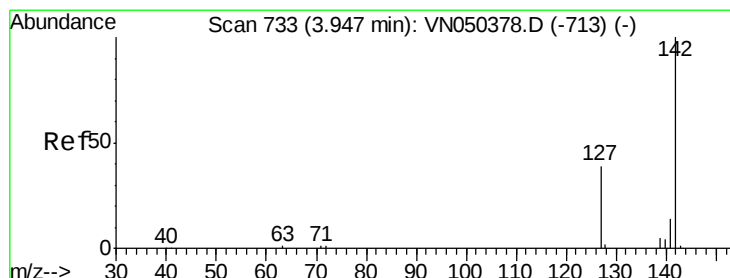
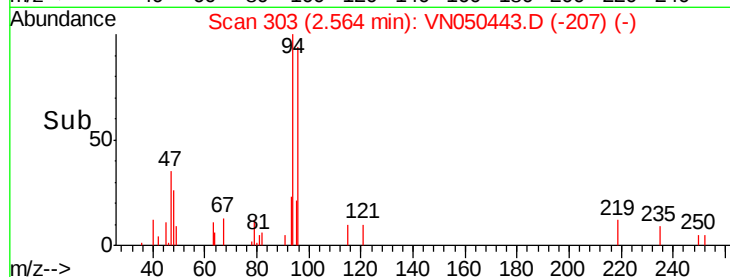
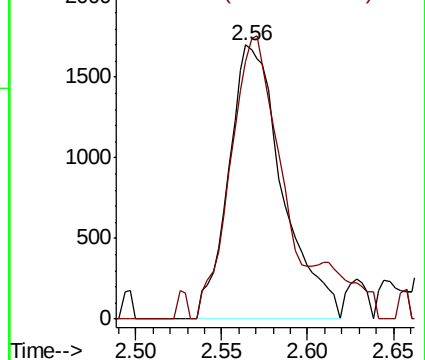
94 100

96 94.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050443.D (-207) (-)

Ion 95.90 (95.60 to 96.60): VN050443.D (-207) (-)



#10

Methyl Iodide

Concen: 0.26 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN050443.D

Acq: 7 Aug 2018 19:59

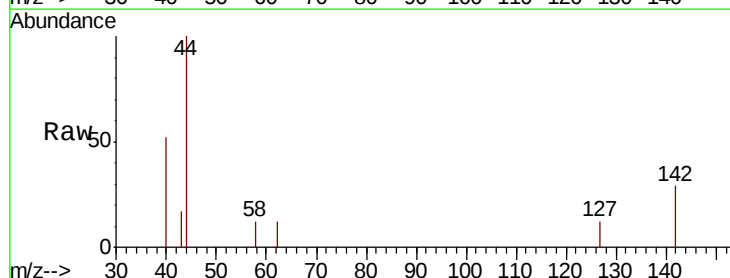
Tgt Ion: 142 Resp: 1076

Ion Ratio Lower Upper

142 100

127 12.6 33.4 50.2#

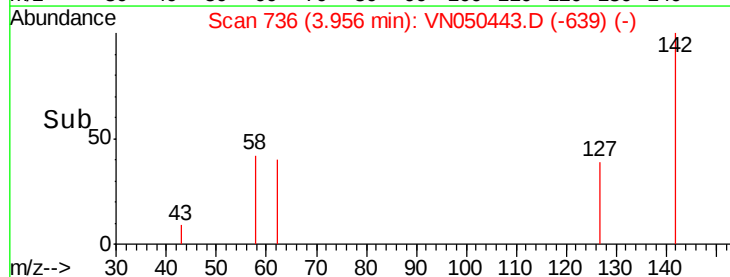
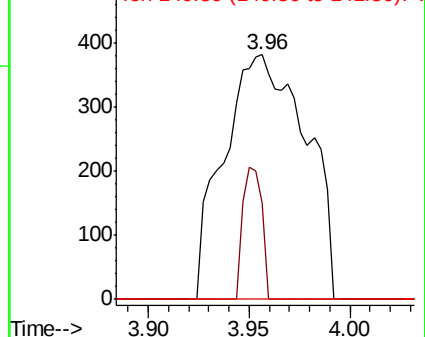
141 0.0 11.6 17.4#

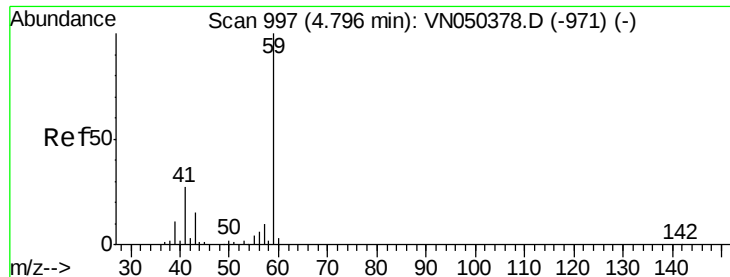


Abundance Ion 141.80 (141.50 to 142.50): VN050443.D (-639) (-)

Ion 126.80 (126.50 to 127.50): VN050443.D (-639) (-)

Ion 140.80 (140.50 to 141.50): VN050443.D (-639) (-)

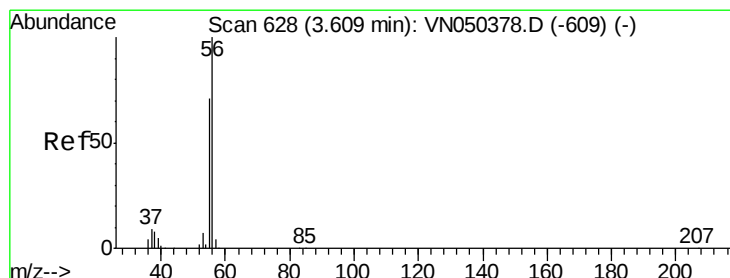
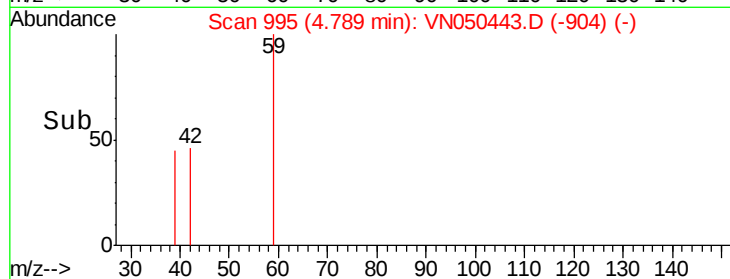
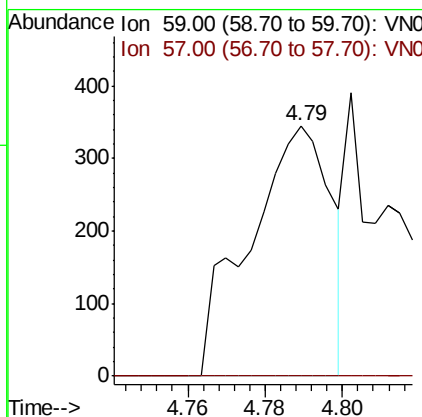
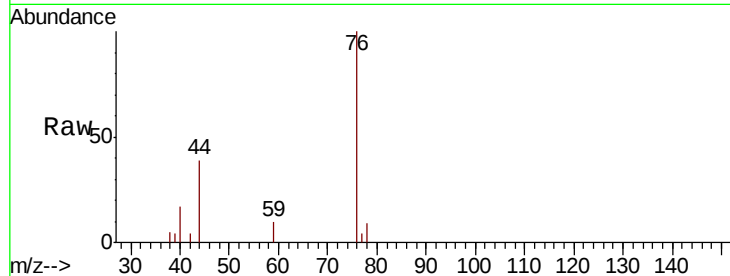




#11
Tert butyl alcohol
Concen: 0.57 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

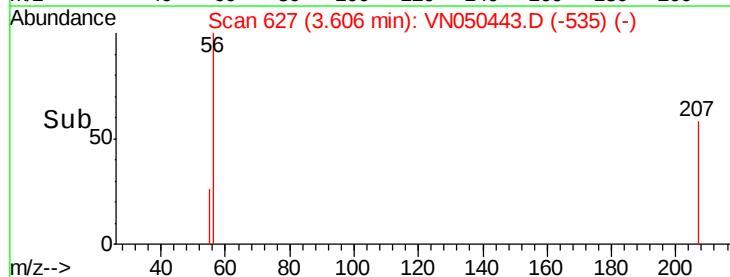
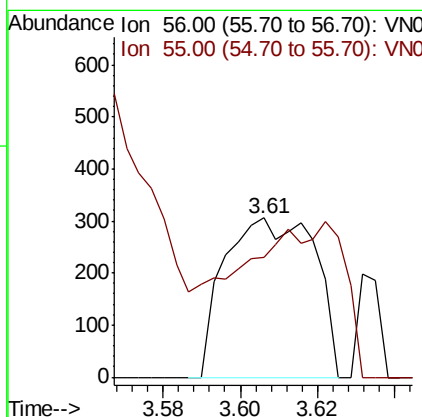
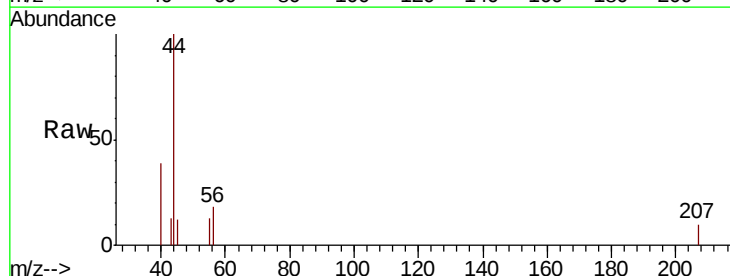
Instrument :
MSVOA_N
ClientSampled :
MW-35

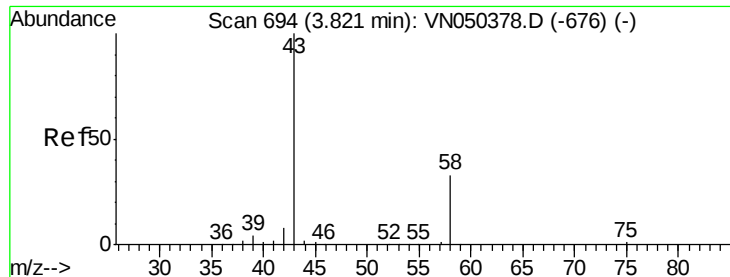
Tot Ion: 59 Resp: 507
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 15.43 ug/l
RT: 3.61 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

Tgt Ion: 56 Resp: 496
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#





#16

Acetone

Concen: 11.66 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050443.D

Acq: 7 Aug 2018 19:59

Instrument :

MSVOA_N

ClientSampled :

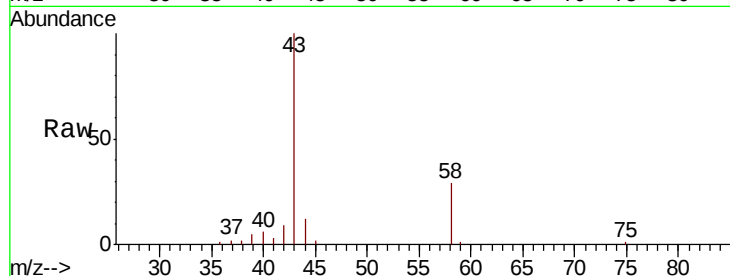
MW-35

Tot Ion: 43 Resp: 39411

Ion Ratio Lower Upper

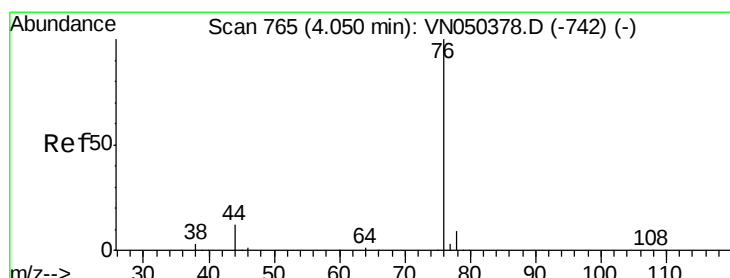
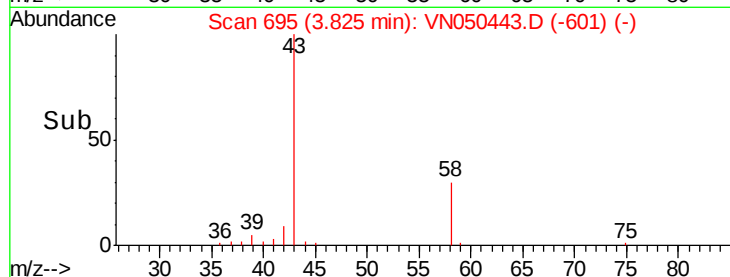
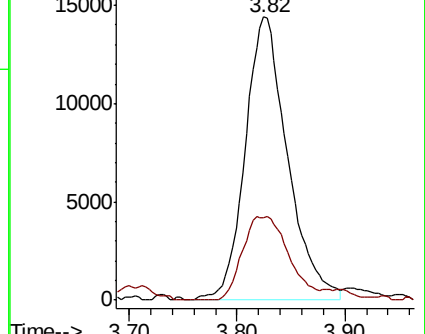
43 100

58 29.1 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.37 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050443.D

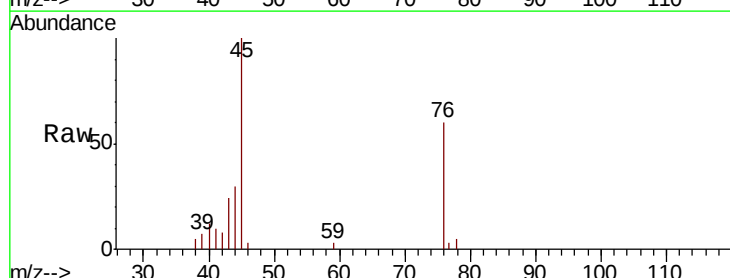
Acq: 7 Aug 2018 19:59

Tgt Ion: 76 Resp: 10791

Ion Ratio Lower Upper

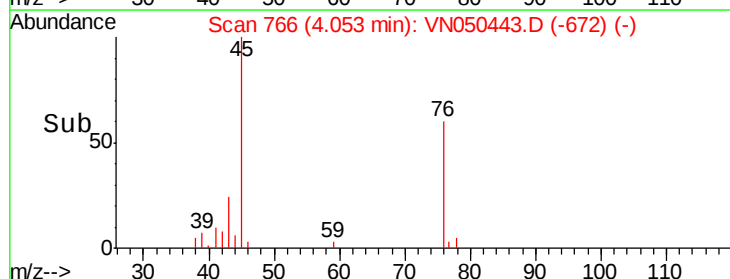
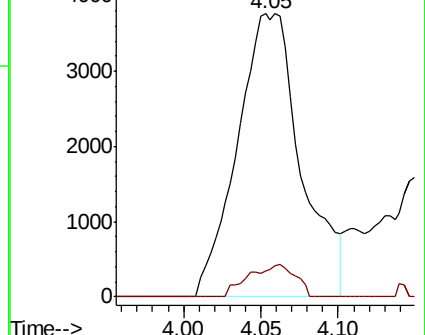
76 100

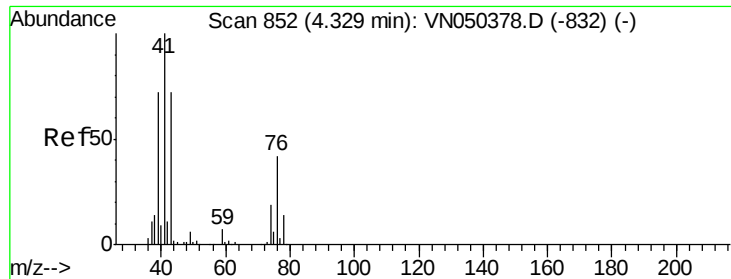
78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

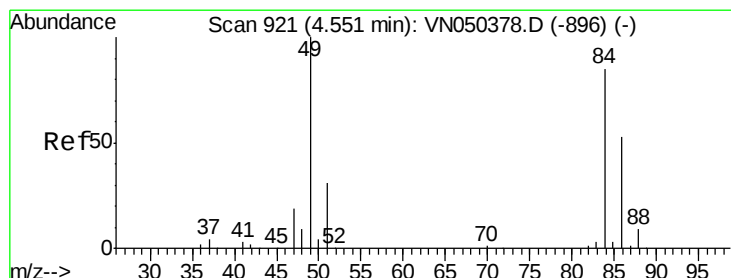
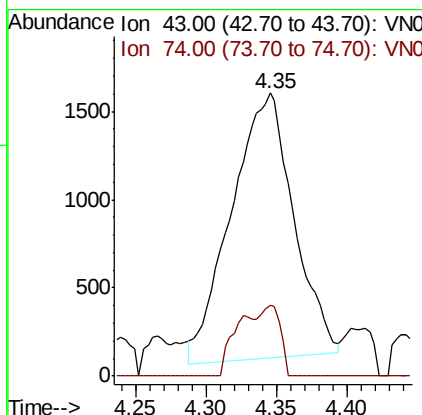
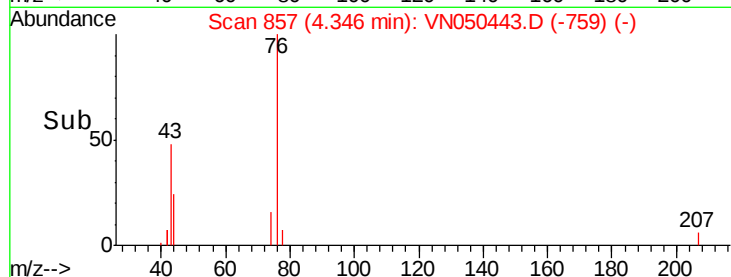
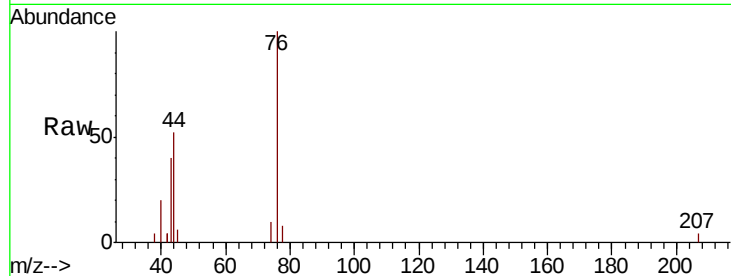




#18
Methyl Acetate
Concen: 0.35 ug/l
RT: 4.35 min Scan# 857
Delta R.T. 0.02 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

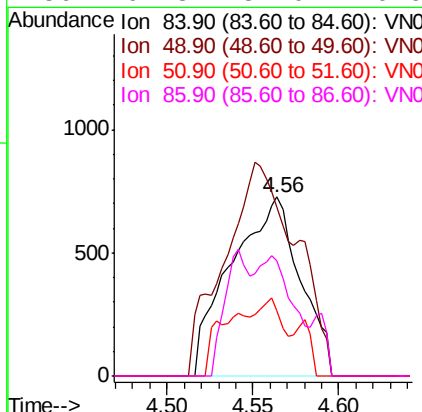
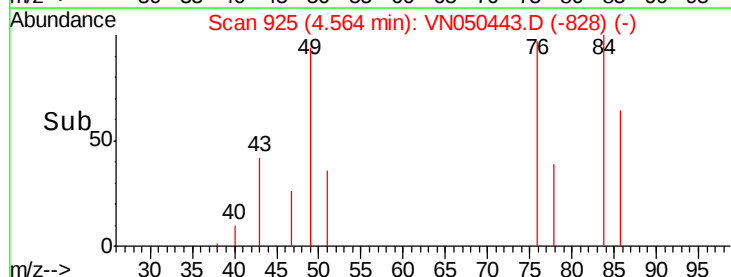
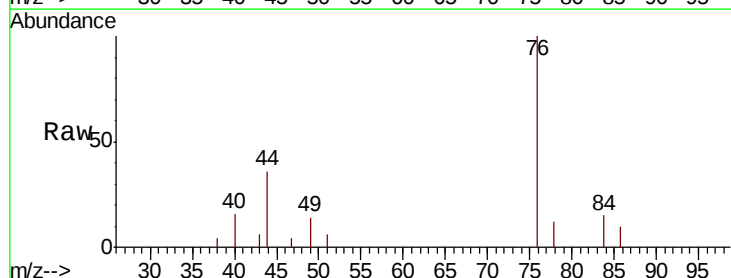
Instrument :
MSVOA_N
ClientSampled :
MW-35

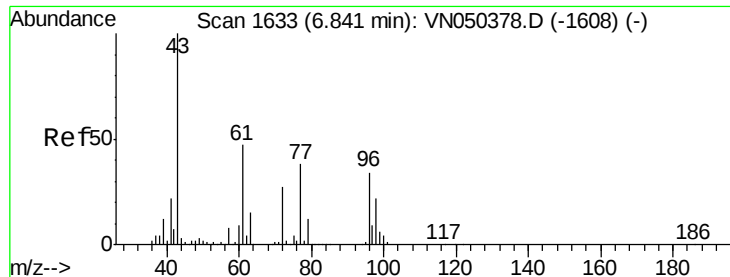
Tot Ion: 43 Resp: 4641
Ion Ratio Lower Upper
43 100
74 8.1 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 925
Delta R.T. 0.01 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

Tgt Ion: 84 Resp: 2043
Ion Ratio Lower Upper
84 100
49 94.2 94.8 142.2#
51 36.2 28.3 42.5
86 64.3 51.0 76.6

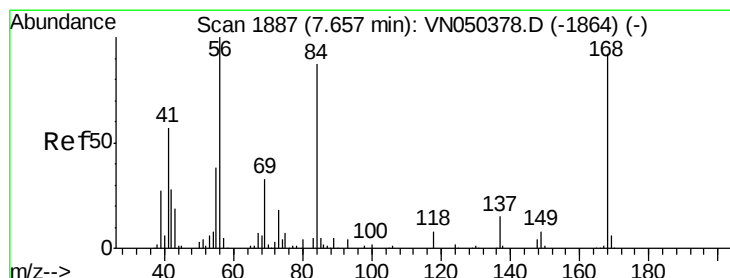
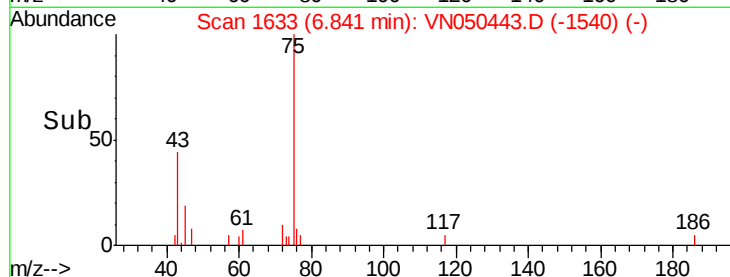
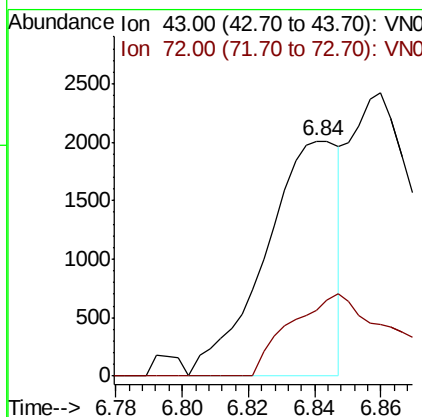
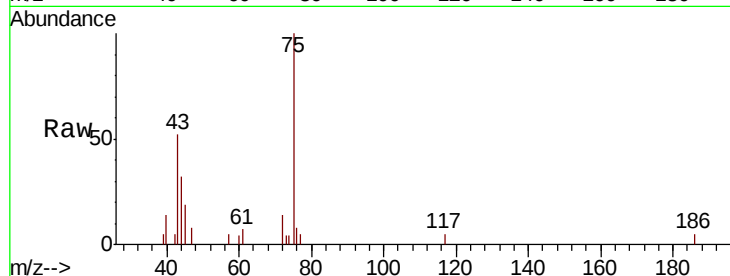




#25
2-Butanone
Concen: 0.57 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

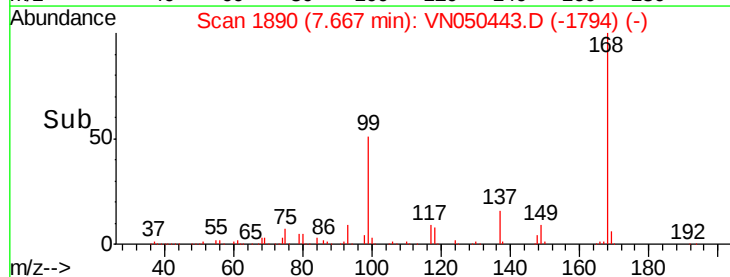
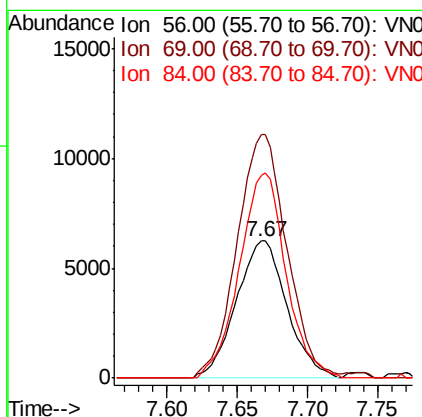
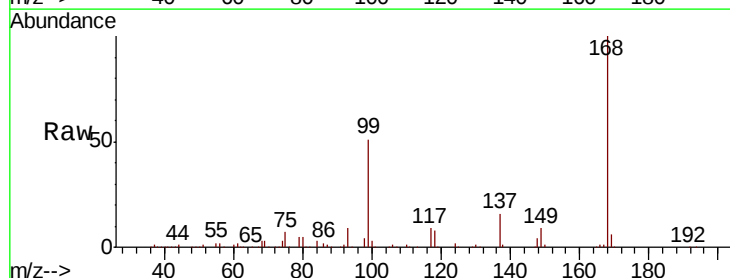
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ClientSampled :
MW-35

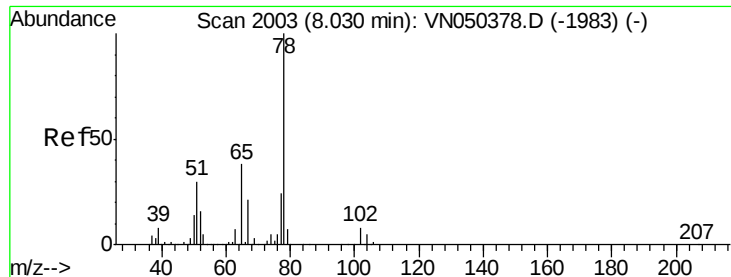
Tot Ion: 43 Resp: 3101
Ion Ratio Lower Upper
43 100
72 27.9 21.5 32.3



#31
Cyclohexane
Concen: 0.37 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

Tgt Ion: 56 Resp: 15665
Ion Ratio Lower Upper
56 100
69 177.6 26.2 39.4#
84 147.8 67.4 101.0#

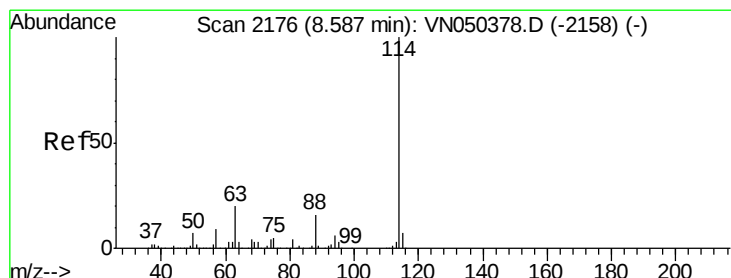
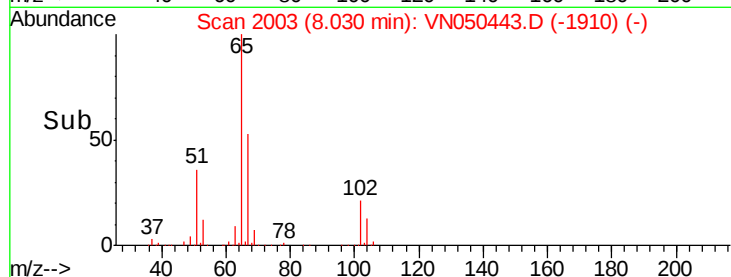
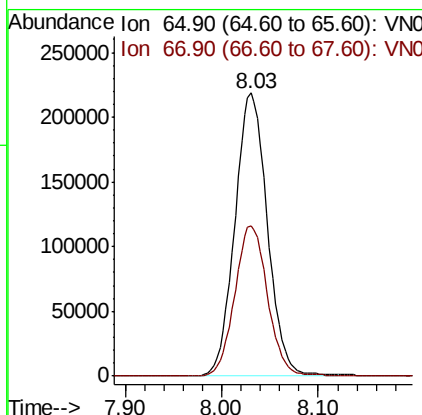
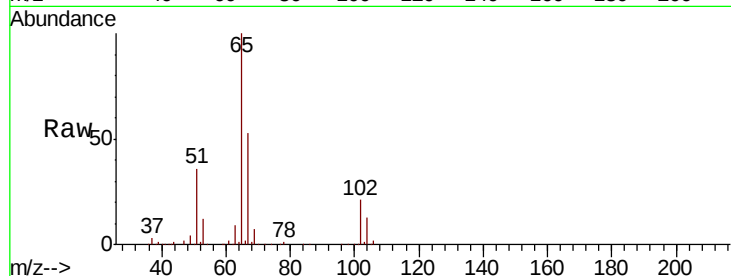




#33
 1,2-Dichloroethane-d4
 Concen: 46.40 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050443.D
 Acq: 7 Aug 2018 19:59

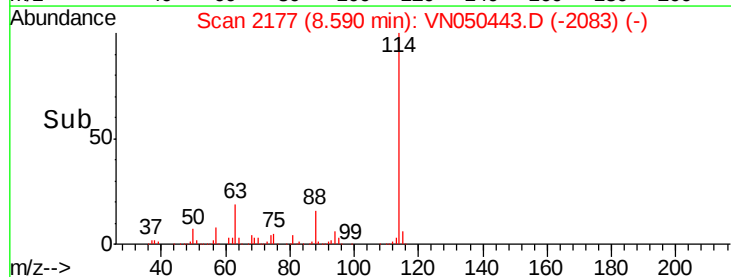
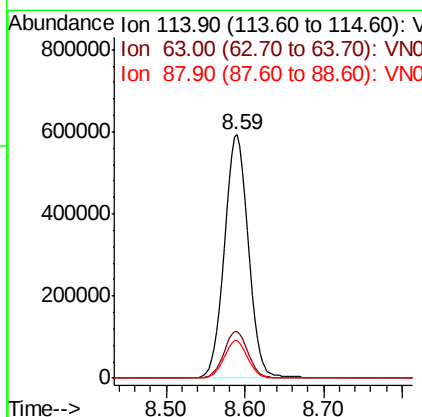
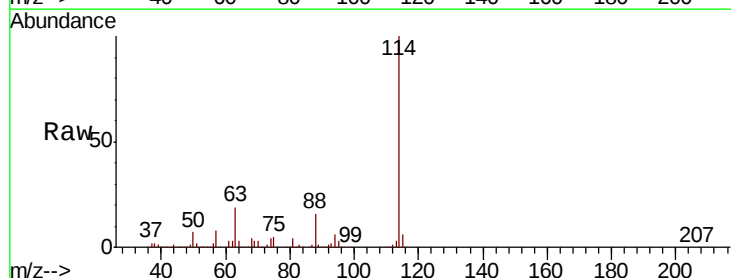
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-35

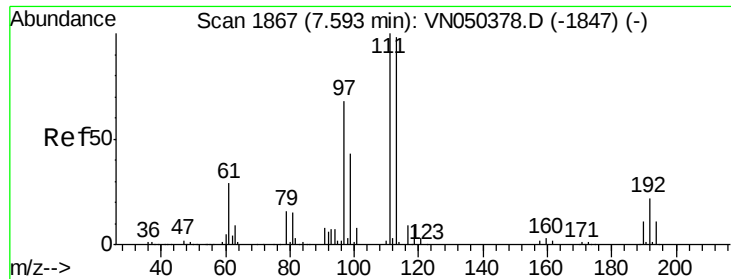
Tot Ion: 65 Resp: 510673
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050443.D
 Acq: 7 Aug 2018 19:59

Tgt Ion: 114 Resp: 1242460
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.6 0.0 31.2

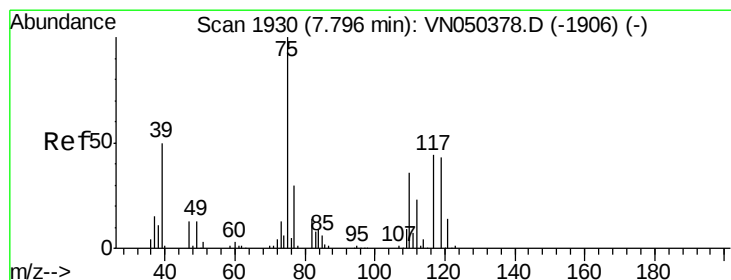
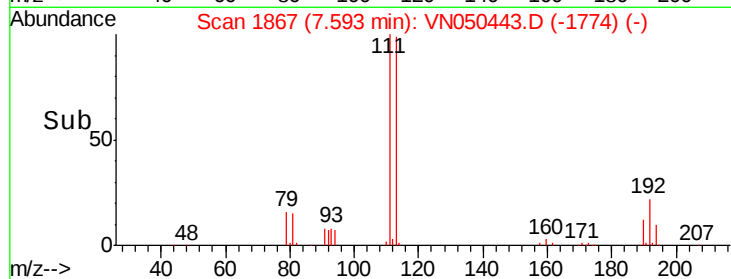
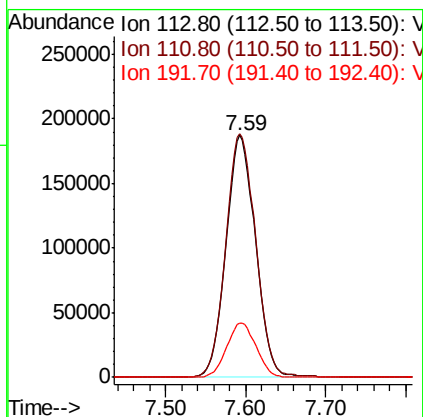
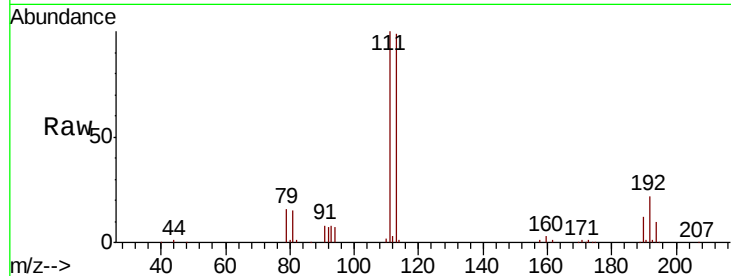




#35
Dibromofluoromethane
Concen: 47.13 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

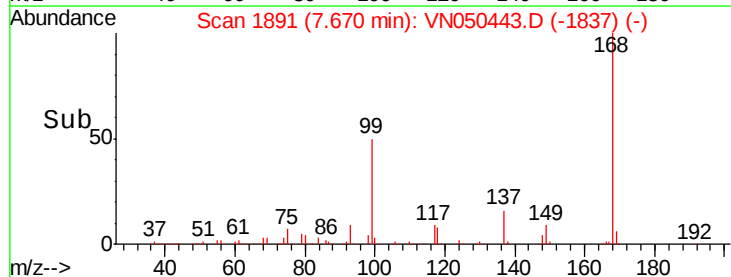
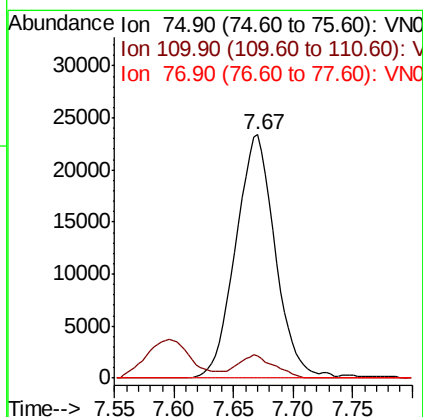
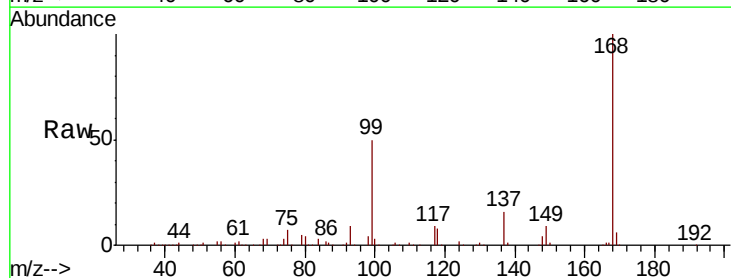
Instrument :
MSVOA_N
ClientSampleId :
MW-35

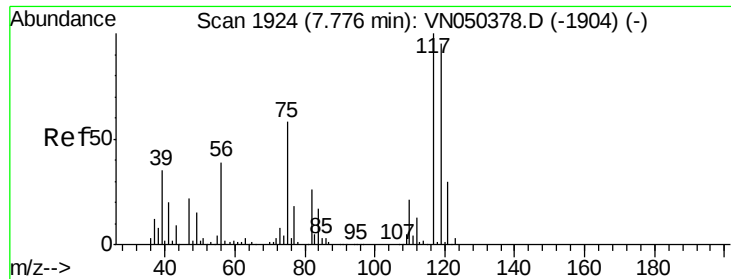
Tot Ion:113 Resp: 469816
Ion Ratio Lower Upper
113 100
111 102.2 80.7 121.1
192 22.4 17.8 26.6



#36
1,1-Dichloropropene
Concen: 3.94 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.13 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

Tgt Ion: 75 Resp: 53776
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 25.3 37.9#

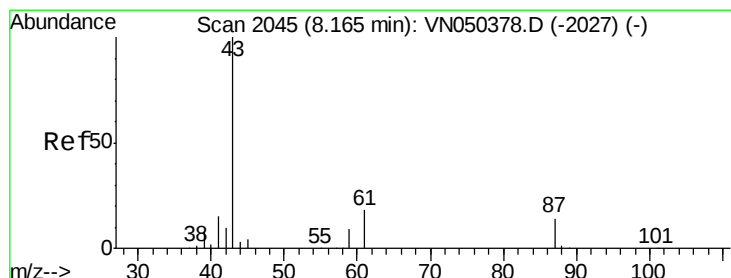
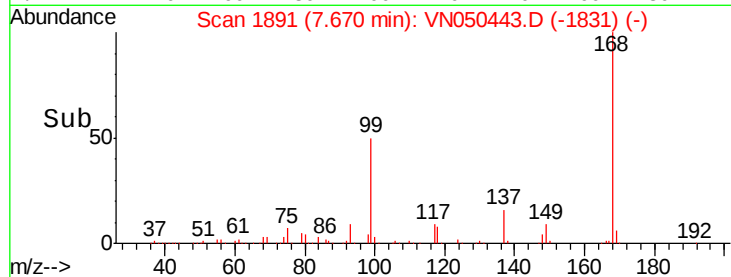
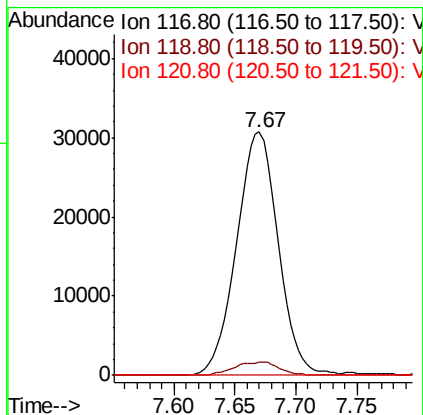
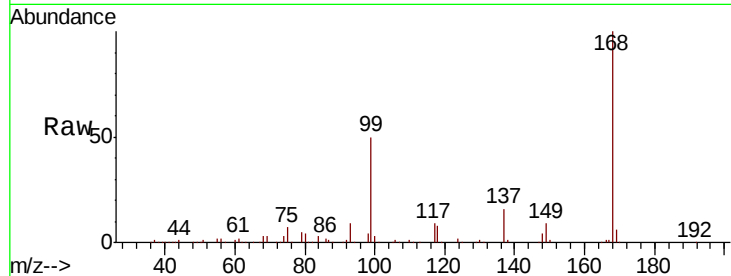




#38
Carbon Tetrachloride
Concen: 5.10 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

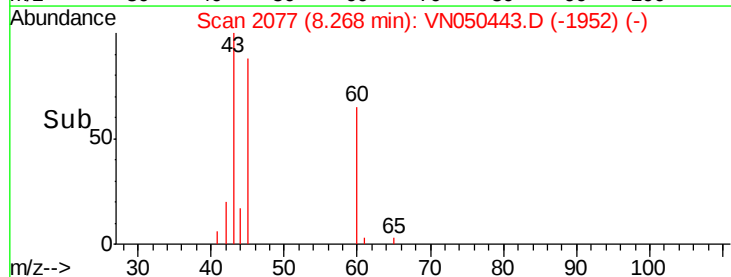
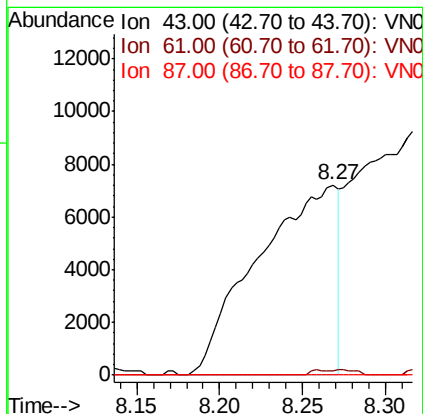
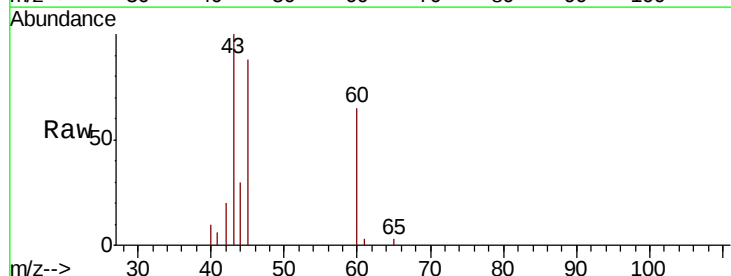
Instrument :
MSVOA_N
ClientSampled :
MW-35

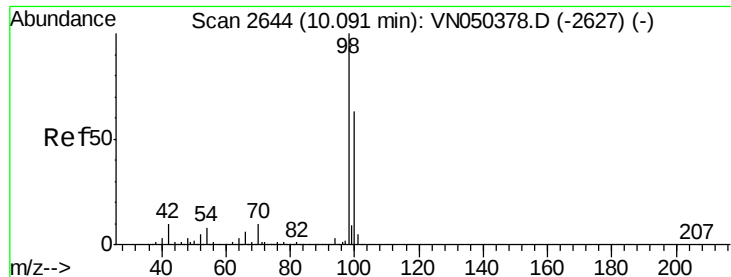
Tot Ion:117 Resp: 72672
Ion Ratio Lower Upper
117 100
119 5.2 77.4 116.0#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 1.42 ug/l
RT: 8.27 min Scan# 2077
Delta R.T. 0.10 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

Tgt Ion: 43 Resp: 24114
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.6#
87 0.0 10.3 15.5#

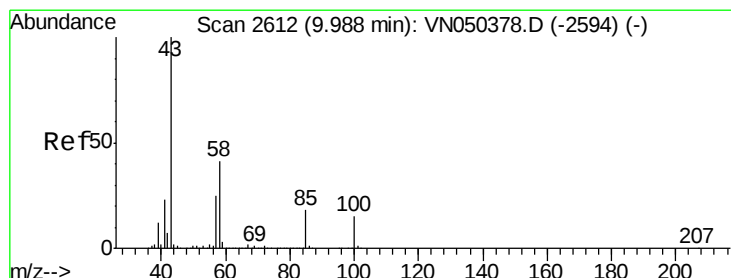
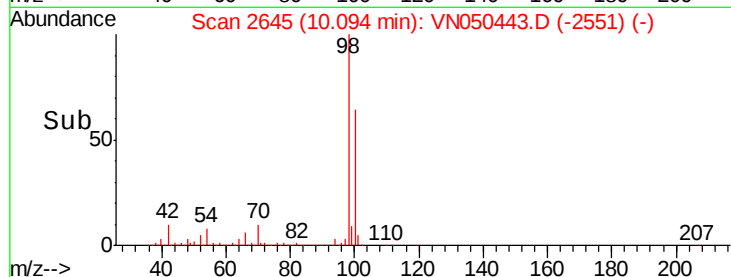
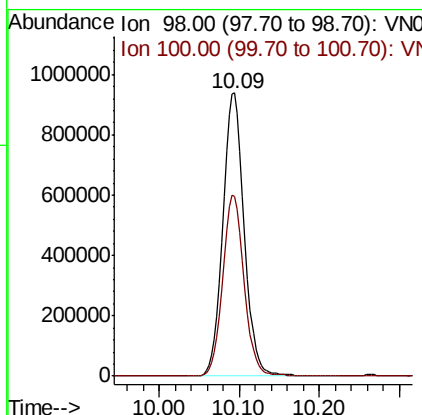
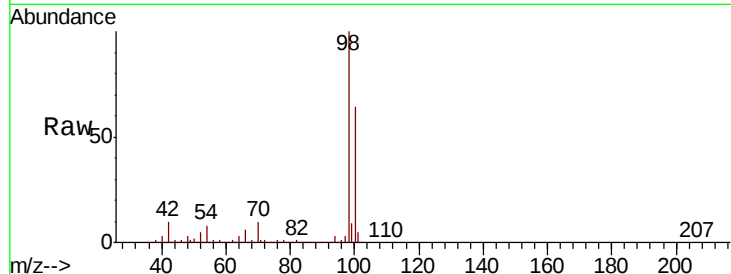




#50
Toluene-d8
Concen: 46.08 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

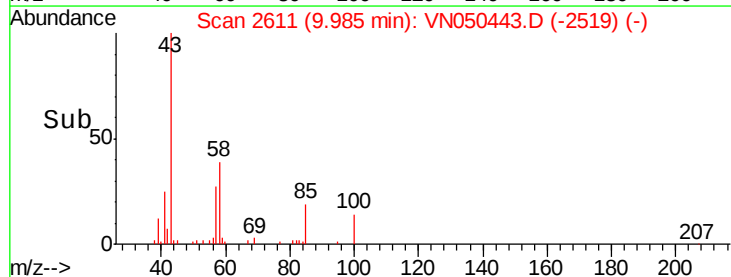
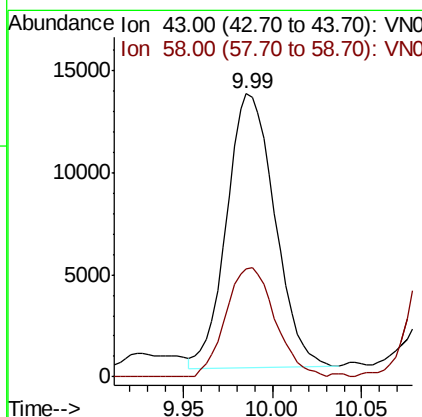
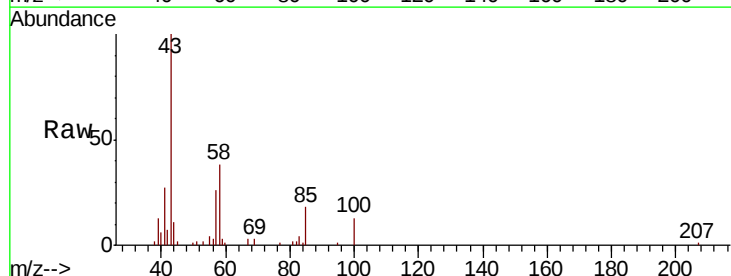
Instrument :
MSVOA_N
ClientSampled :
MW-35

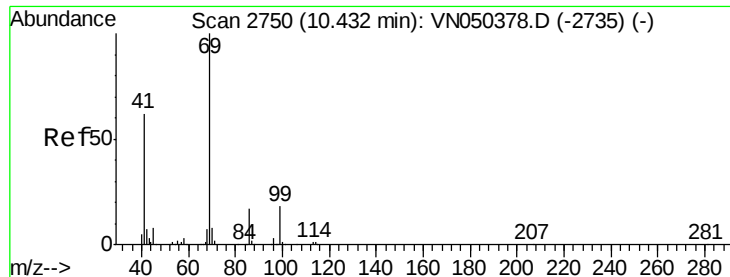
Tot Ion: 98 Resp: 1727164
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 2.06 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

Tgt Ion: 43 Resp: 25218
Ion Ratio Lower Upper
43 100
58 40.8 31.9 47.9





#56

Ethyl methacrylate

Concen: 1.72 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050443.D

Acq: 7 Aug 2018 19:59

Instrument :

MSVOA_N

ClientSampled :

MW-35

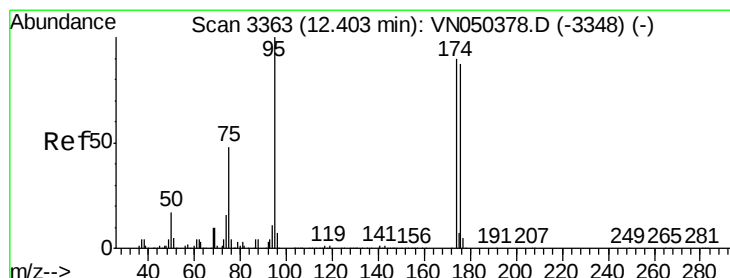
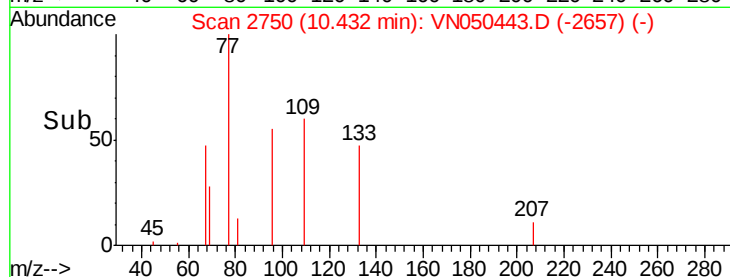
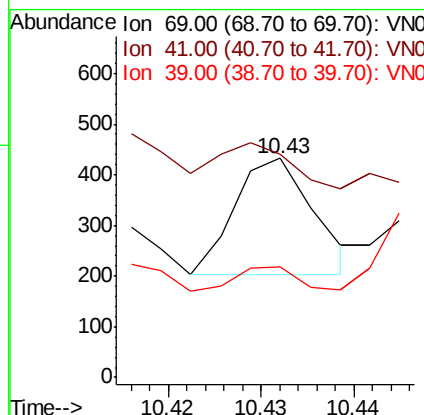
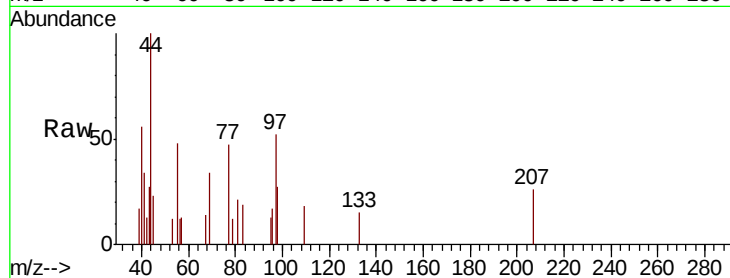
Tot Ion: 69 Resp: 134

Ion Ratio Lower Upper

69 100

41 0.0 51.0 76.4#

39 0.0 26.6 40.0#



#62

4-Bromofluorobenzene

Concen: 43.64 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050443.D

Acq: 7 Aug 2018 19:59

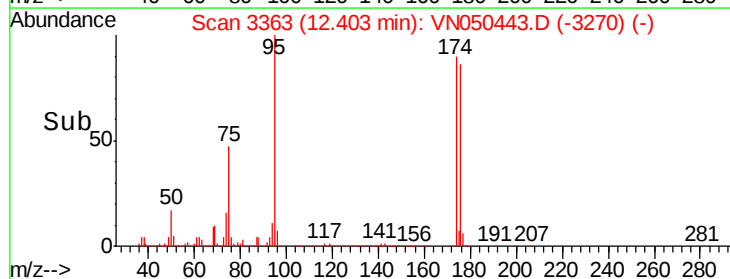
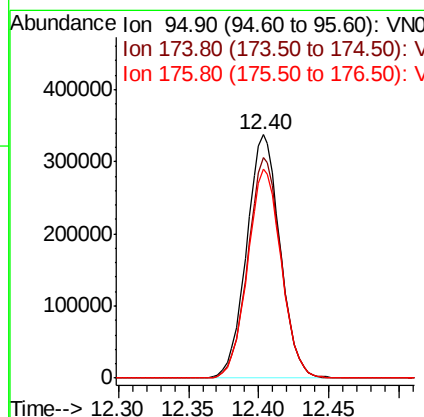
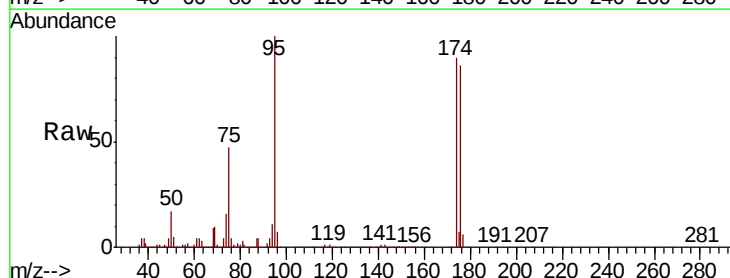
Tgt Ion: 95 Resp: 557549

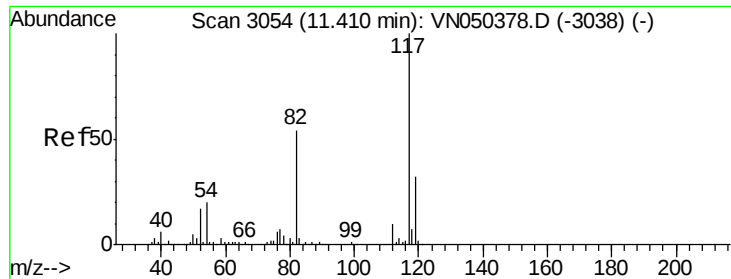
Ion Ratio Lower Upper

95 100

174 90.5 0.0 178.2

176 87.0 0.0 173.4

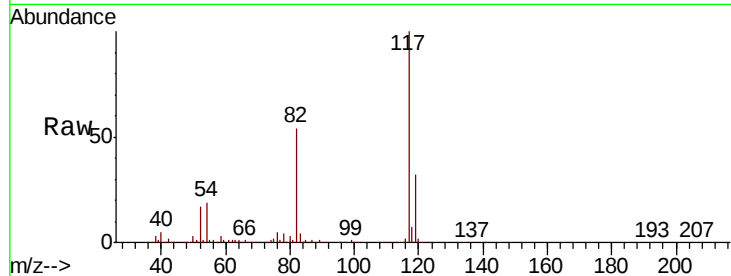




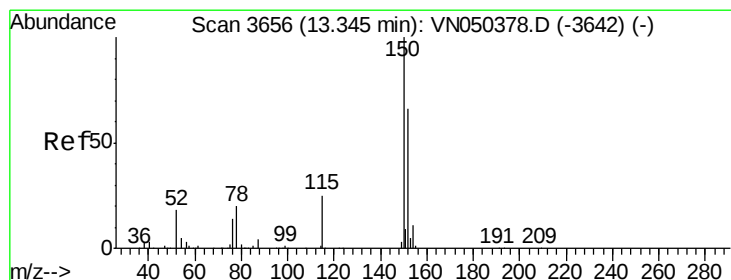
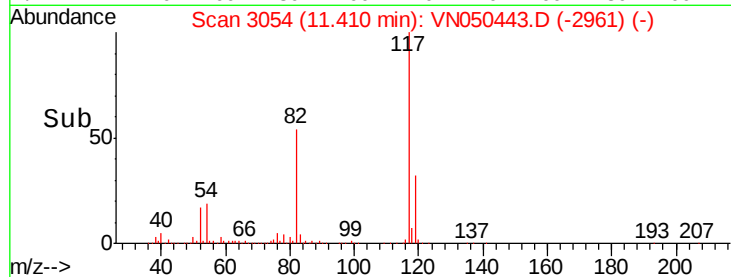
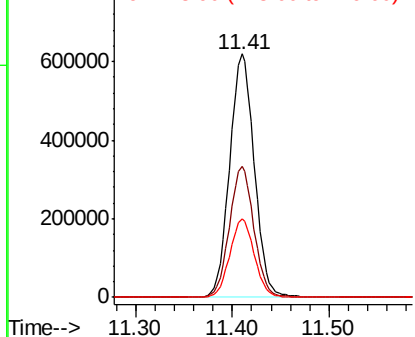
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

Instrument :
MSVOA_N
ClientSampleId :
MW-35

Tot Ion:117 Resp: 1094808
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.4 26.1 39.1

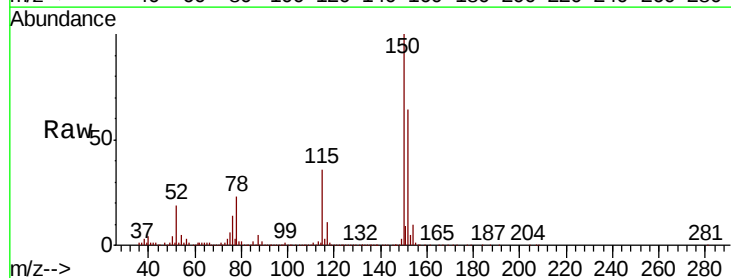


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

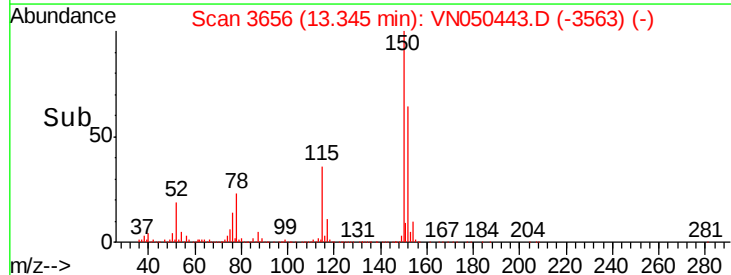
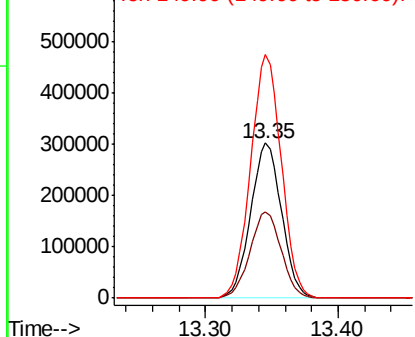


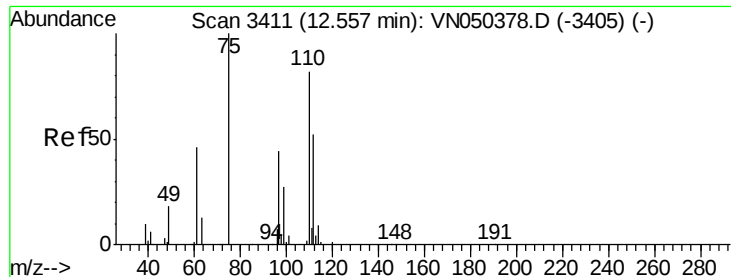
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

Tgt Ion:152 Resp: 489747
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.3
150 156.3 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





#76

1,2,3-Trichloropropane

Concen: 29.70 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050443.D

Acq: 7 Aug 2018 19:59

Instrument :

MSVOA_N

ClientSampleId :

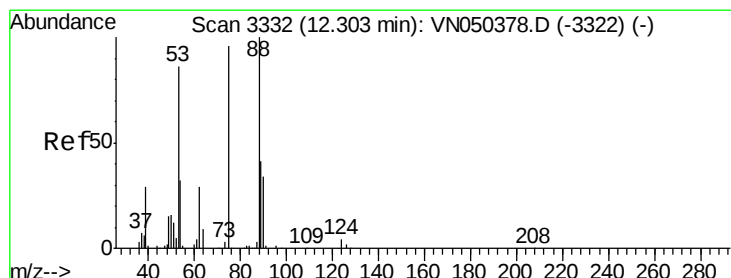
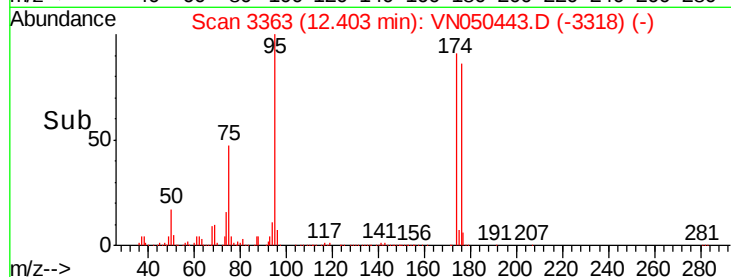
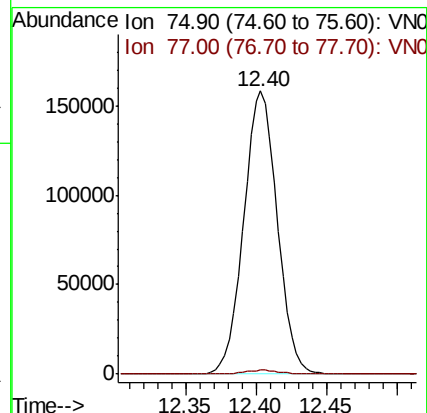
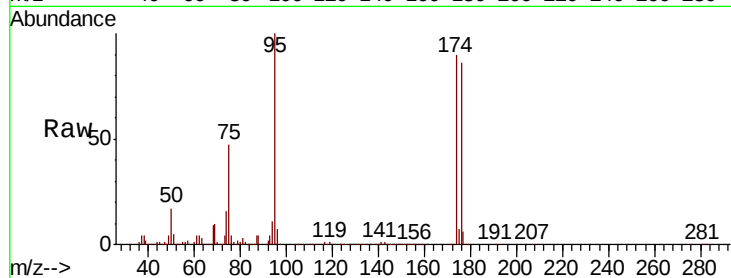
MW-35

Tot Ion: 75 Resp: 263327

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 104.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050443.D

Acq: 7 Aug 2018 19:59

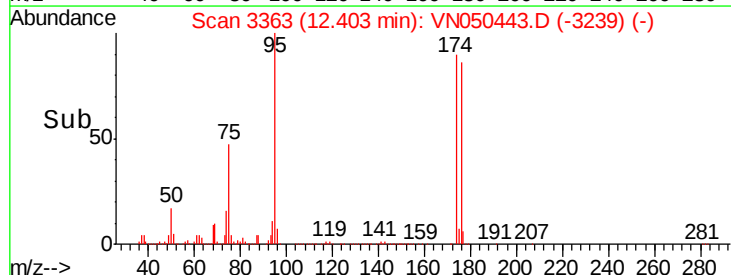
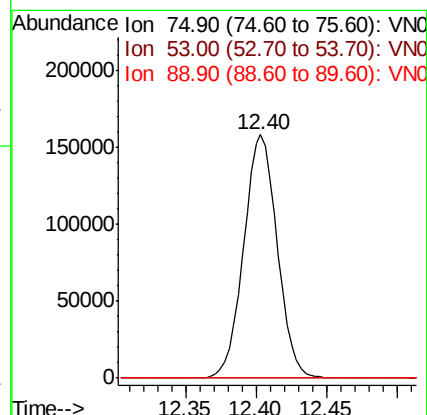
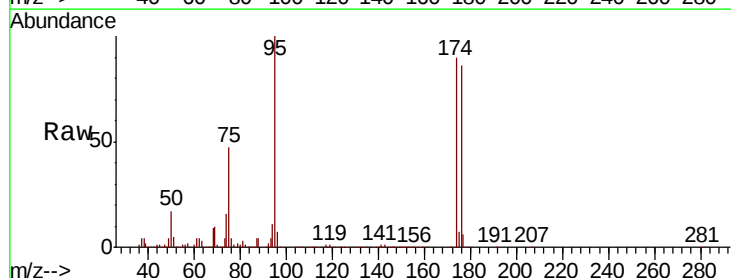
Tgt Ion: 75 Resp: 263327

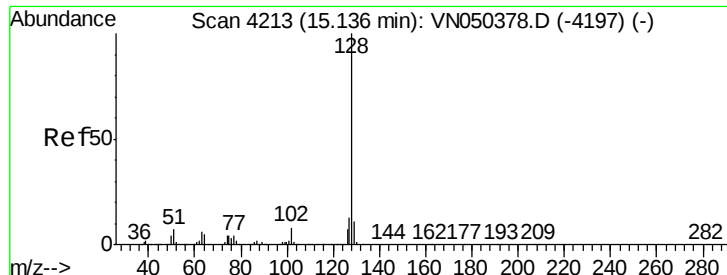
Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

89 0.0 36.0 54.0#

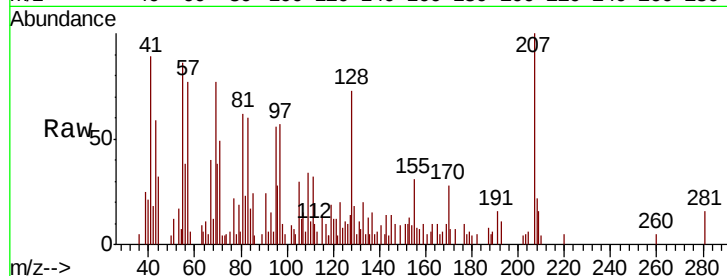




#95
Naphthalene
Concen: 3.79 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050443.D
Acq: 7 Aug 2018 19:59

Instrument :
MSVOA_N
ClientSampleId :
MW-35

Tot Ion:128 Resp: 4338
Ion Ratio Lower Upper
128 100
127 16.3 10.4 15.6#
129 14.5 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

