

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050513.D
 Acq On : 10 Aug 2018 13:18
 Operator : MD\SY
 Sample : J4420-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Aug 10 23:15:14 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	773355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1159843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	997856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	464354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	475406	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
35) Dibromofluoromethane	7.59	113	445323	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	10.09	98	1620132	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.40	95	508322	42.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.24%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	3607	Below Cal		91
5) Bromomethane	2.57	94	4447	0.99 ug/l		97
10) Methyl Iodide	3.96	142	2024	0.52 ug/l #		65
13) Acrolein	3.62	56	195	15.20 ug/l #		15
15) Acrylonitrile	5.04	53	4130	1.19 ug/l #		33
16) Acetone	3.83	43	27110	8.45 ug/l		93
17) Carbon Disulfide	4.05	76	7094	0.26 ug/l #		94
18) Methyl Acetate	4.34	43	5266	0.47 ug/l #		70
20) Methylene Chloride	4.56	84	6764	Below Cal #		81
25) 2-Butanone	6.84	43	1864	0.36 ug/l #		48
31) Cyclohexane	7.66	56	83332	5.06 ug/l #		81
36) 1,1-Dichloropropene	7.67	75	53227	4.18 ug/l #		48
37) Ethyl Acetate	6.84	43	1864	0.20 ug/l #		11
38) Carbon Tetrachloride	7.67	117	68808	5.18 ug/l #		16
39) Methylcyclohexane	9.08	83	70192	5.05 ug/l		98
40) Benzene	8.05	78	282980	7.22 ug/l		99
43) Isopropyl Acetate	8.15	43	6251	0.39 ug/l #		61
48) Methyl methacrylate	9.15	41	1977	0.25 ug/l #		34
51) 4-Methyl-2-Pentanone	9.99	43	2476	0.22 ug/l #		80
52) Toluene	10.16	92	5502	0.23 ug/l		92
55) 1,1,2-Trichloroethane	10.53	97	18693	2.03 ug/l #		20
56) Ethyl methacrylate	10.44	69	7947	2.30 ug/l #		40
58) 2-Chloroethyl Vinyl ether	9.71	63	242	7.43 ug/l #		48
67) Ethyl Benzene	11.51	91	10043	0.25 ug/l		98
69) o-Xylene	11.95	106	5364	0.36 ug/l		78
71) Bromoform	12.40	173	2284	0.34 ug/l #		1
73) Isopropylbenzene	12.25	105	395529	11.35 ug/l		99
76) 1,2,3-Trichloropropane	12.40	75	241541	28.74 ug/l #		100
78) n-propylbenzene	12.59	91	952200	24.13 ug/l		100
79) 2-Chlorotoluene	12.59	91	952200	39.08 ug/l #		40
81) trans-1,4-Dichloro-2-buten	12.40	75	241541	100.97 ug/l #		13
82) 4-Chlorotoluene	12.59	91	952200	39.18 ug/l #		41
83) tert-Butylbenzene	12.99	119	21376	0.87 ug/l		98
84) 1,2,4-Trimethylbenzene	12.89	105	14701	0.51 ug/l		81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050513.D
 Acq On : 10 Aug 2018 13:18
 Operator : MD\SY
 Sample : J4420-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Aug 10 23:15:14 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

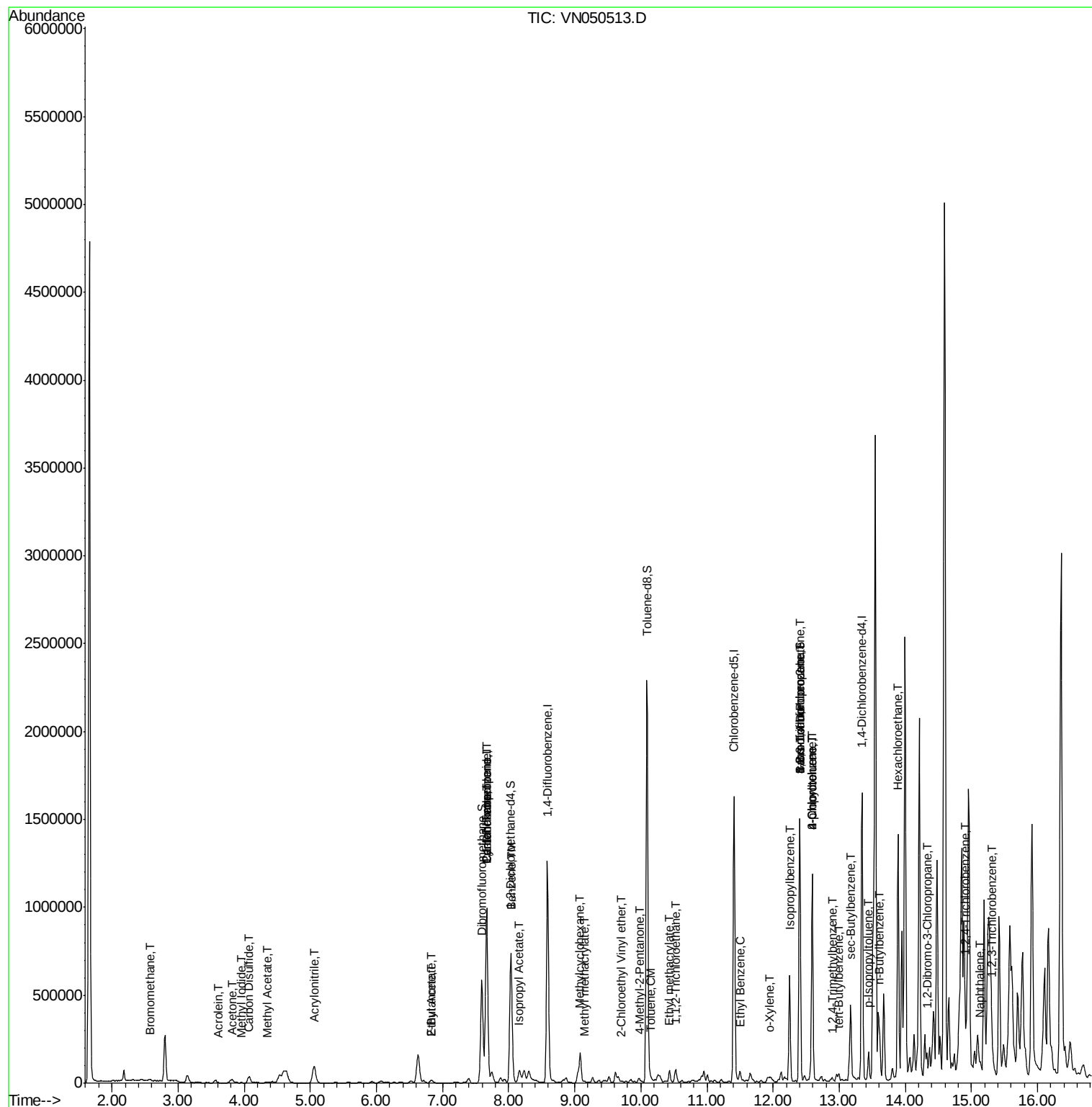
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	279149	8.48	ug/l	88
86) p-Isopropyltoluene	13.44	119	88533	3.14	ug/l	98
89) n-Butylbenzene	13.62	91	151921	6.33	ug/l #	69
90) Hexachloroethane	13.89	117	75804	15.12	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.32	75	665	0.39	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	7311	0.86	ug/l #	83
94) Hexachlorobutadiene	15.01	225	2939	Below	Cal	96
95) Naphthalene	15.14	128	39927	5.27	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.32	180	8194	0.95	ug/l #	82

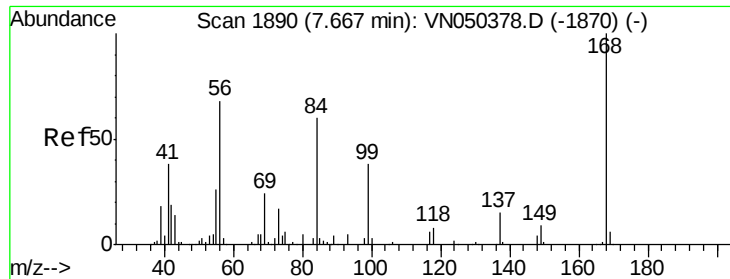
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
Data File : VN050513.D
Acq On : 10 Aug 2018 13:18
Operator : MD\SY
Sample : J4420-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Time: Aug 10 23:15:14 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

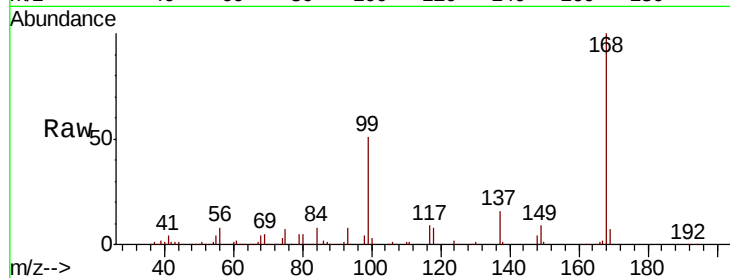




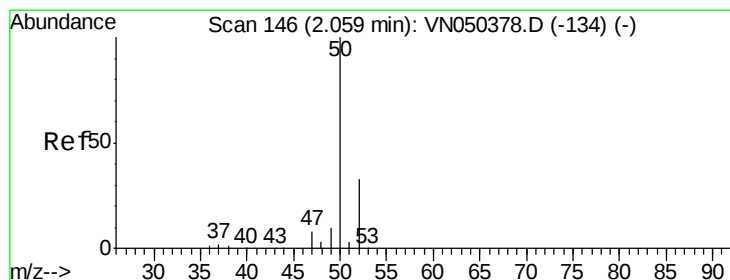
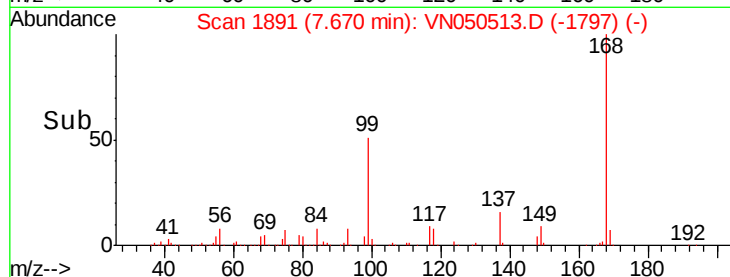
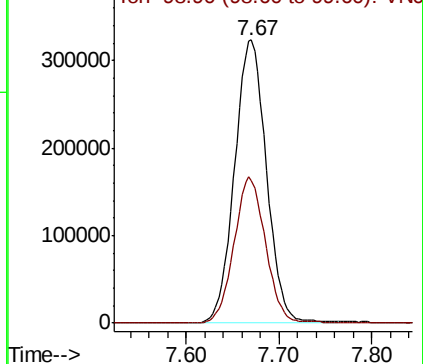
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion:168 Resp: 773355
Ion Ratio Lower Upper
168 100
99 50.6 40.0 60.0

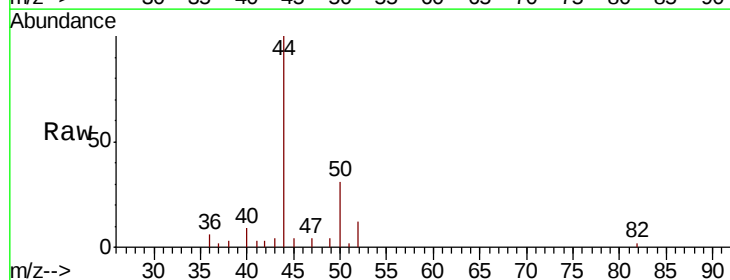


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN

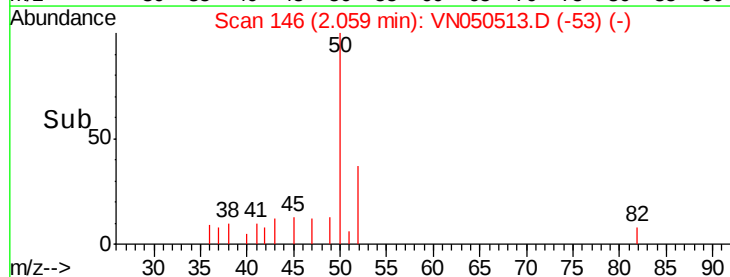
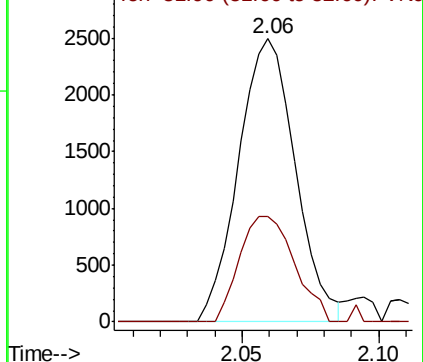


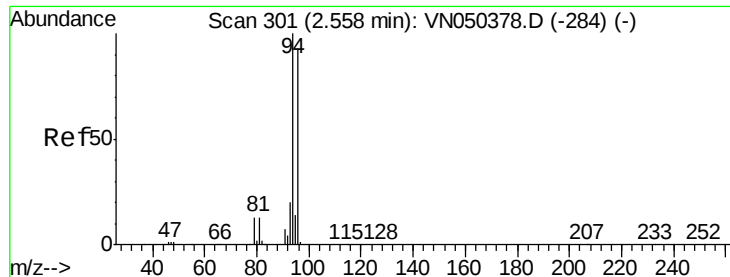
#3
Chloromethane
Concen: Below Cal
RT: 2.06 min Scan# 146
Delta R.T. 0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

Tgt Ion: 50 Resp: 3607
Ion Ratio Lower Upper
50 100
52 37.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 0.99 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

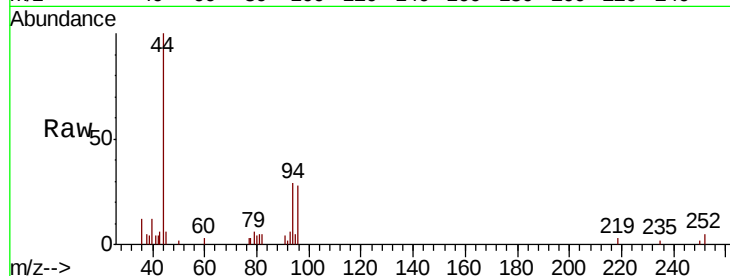
MW-1

Tot Ion: 94 Resp: 4447

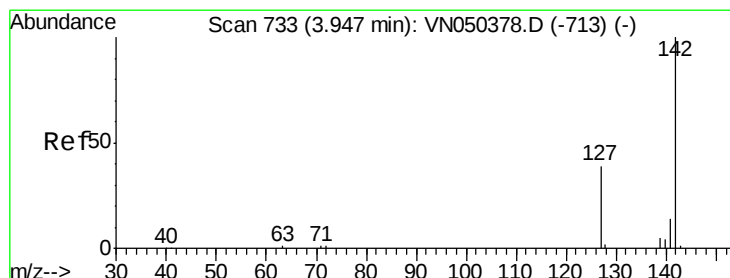
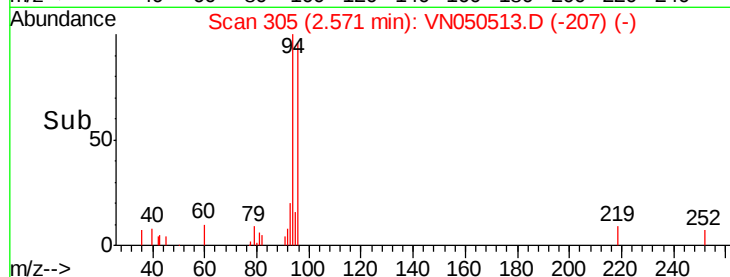
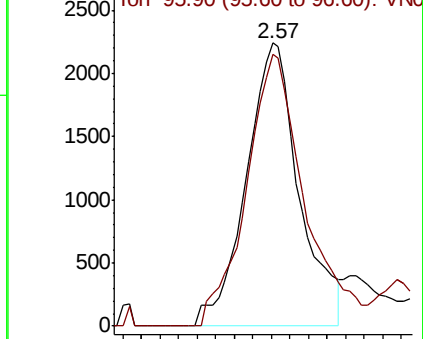
Ion Ratio Lower Upper

94 100

96 95.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050513.D (-207) (-)



#10

Methyl Iodide

Concen: 0.52 ug/l

RT: 3.96 min Scan# 738

Delta R.T. 0.02 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

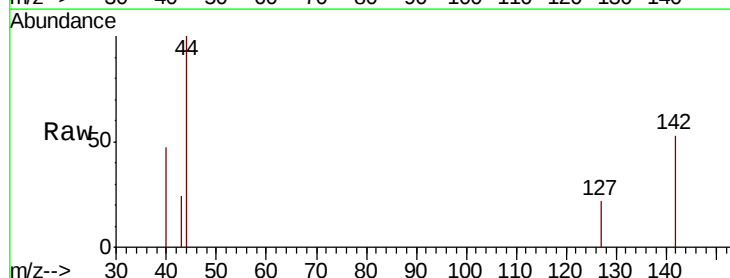
Tgt Ion: 142 Resp: 2024

Ion Ratio Lower Upper

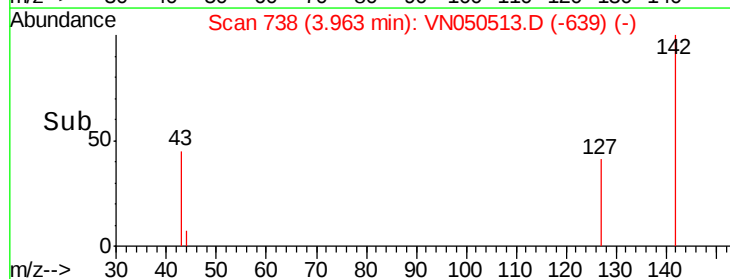
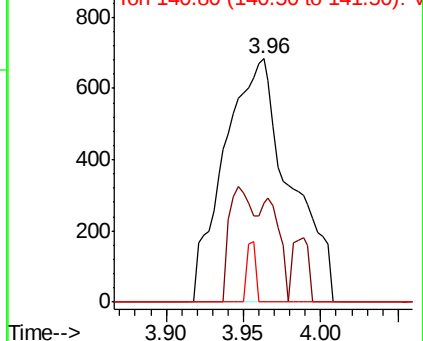
142 100

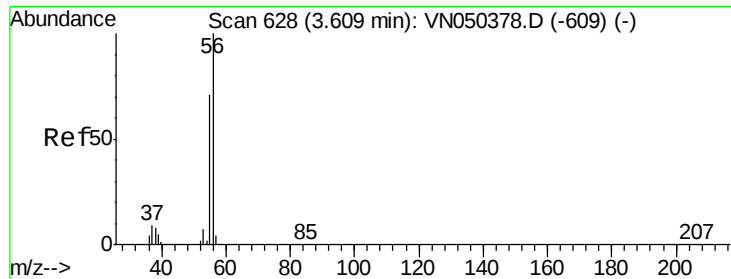
127 18.3 33.4 50.2#

141 3.2 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050513.D (-639) (-)





#13

Acrolein

Concen: 15.20 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

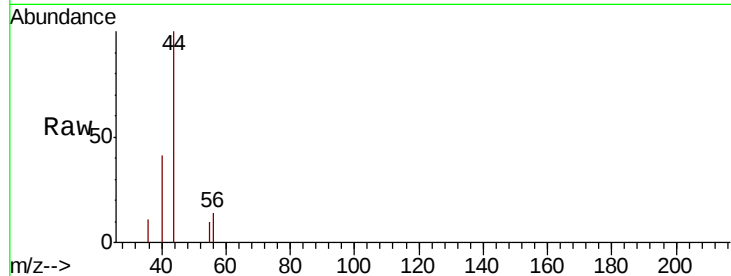
MW-1

Tot Ion: 56 Resp: 195

Ion Ratio Lower Upper

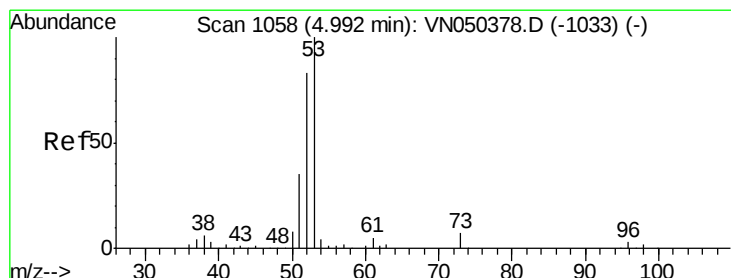
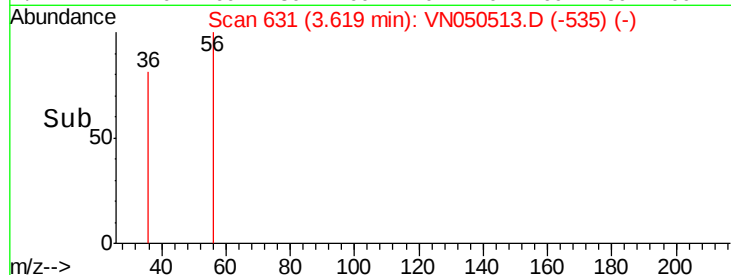
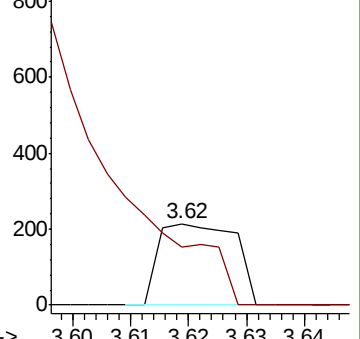
56 100

55 0.0 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#15

Acrylonitrile

Concen: 1.19 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.05 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

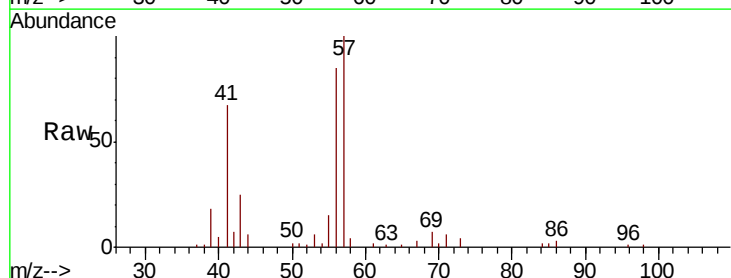
Tgt Ion: 53 Resp: 4130

Ion Ratio Lower Upper

53 100

52 14.0 66.2 99.2#

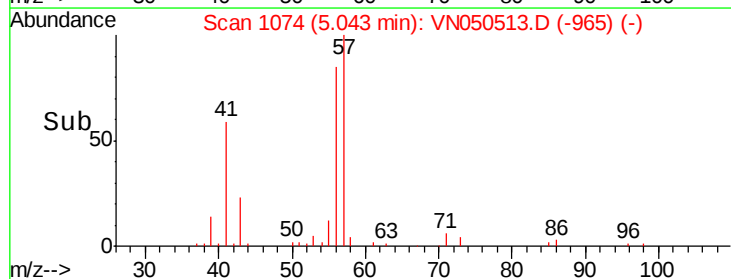
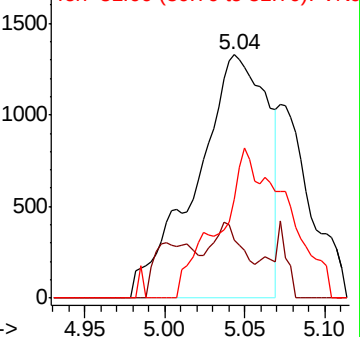
51 9.7 29.3 43.9#

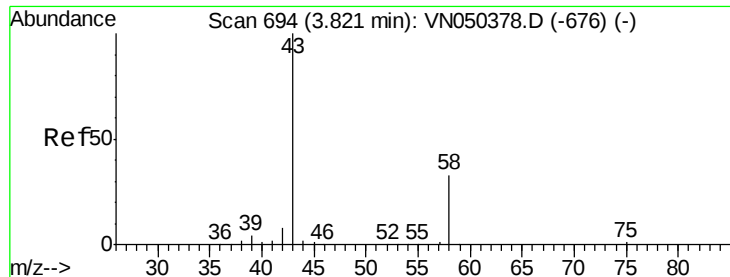


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#16

Acetone

Concen: 8.45 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

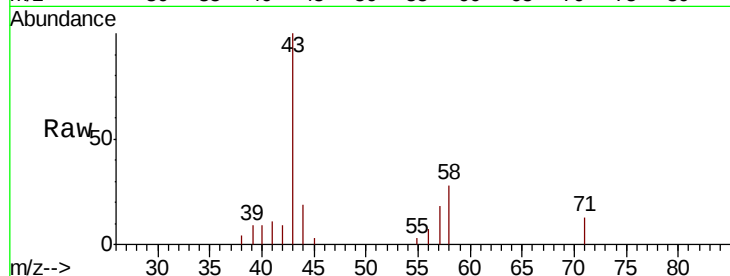
MW-1

Tot Ion: 43 Resp: 27110

Ion Ratio Lower Upper

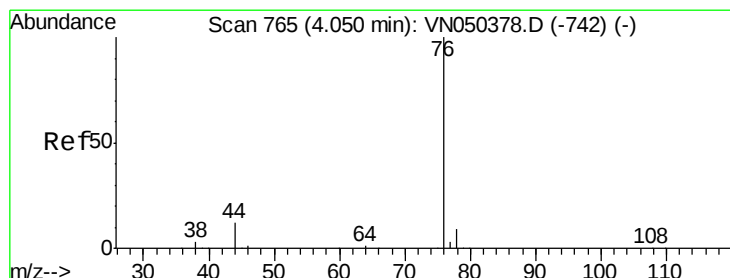
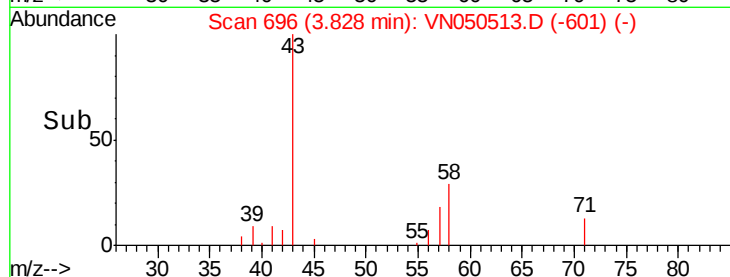
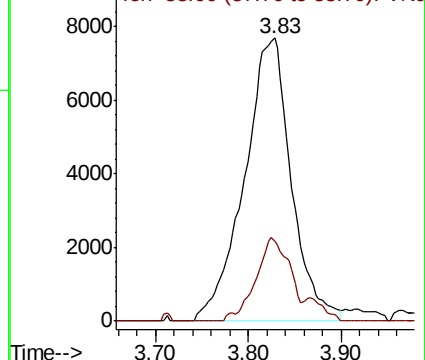
43 100

58 28.3 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: 0.26 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050513.D

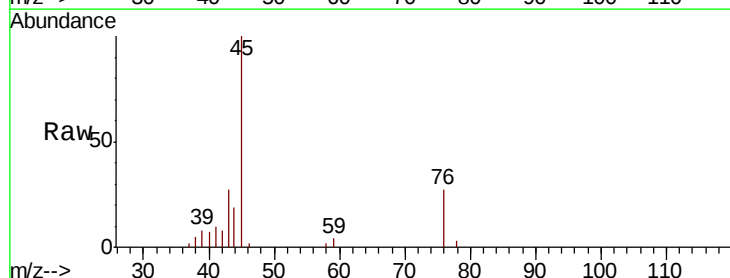
Acq: 10 Aug 2018 13:18

Tgt Ion: 76 Resp: 7094

Ion Ratio Lower Upper

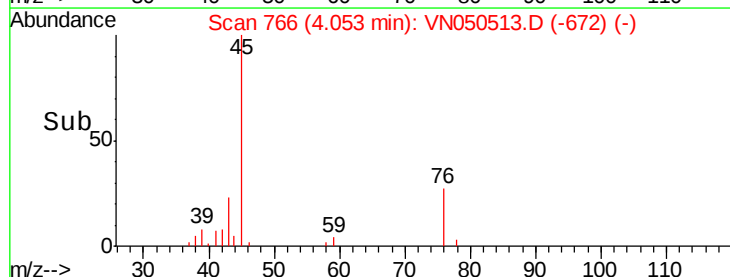
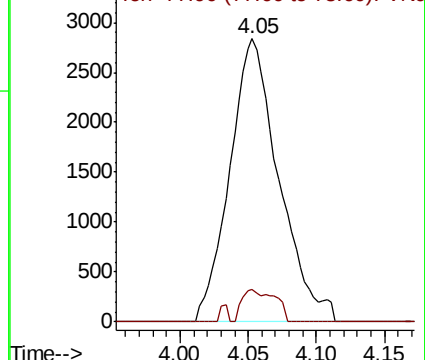
76 100

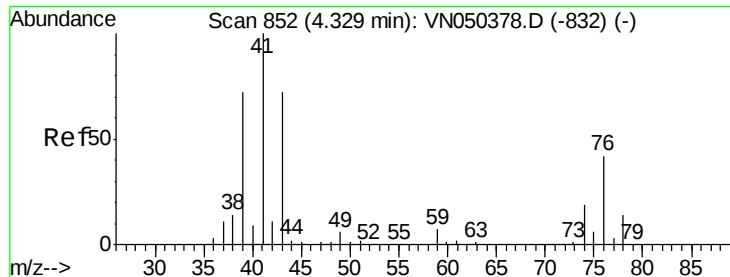
78 11.3 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

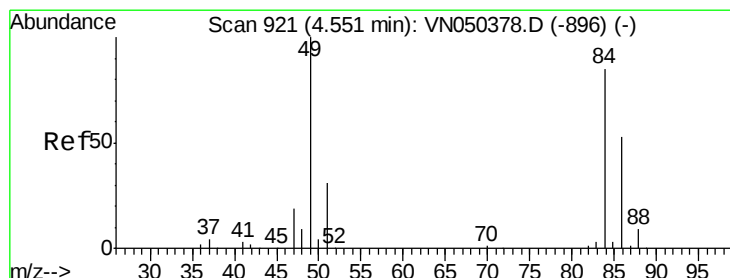
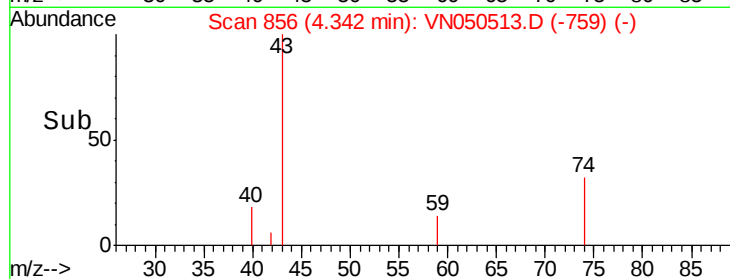
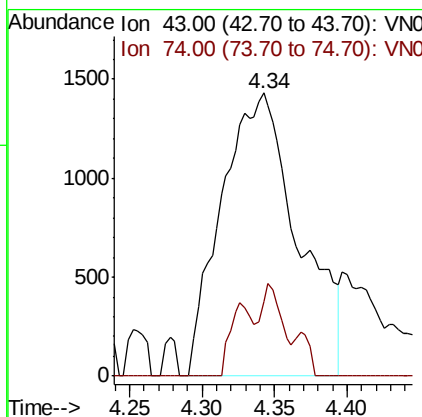
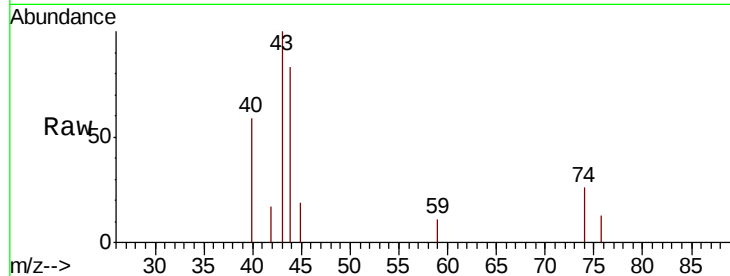




#18
Methyl Acetate
Concen: 0.47 ug/l
RT: 4.34 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

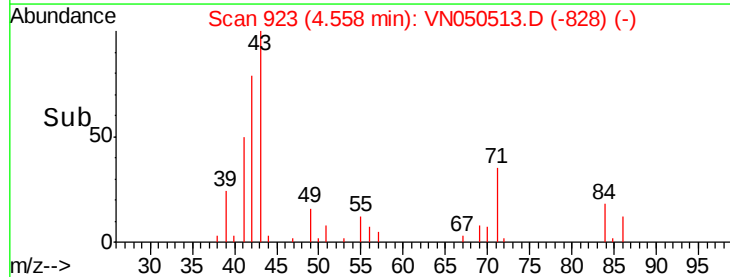
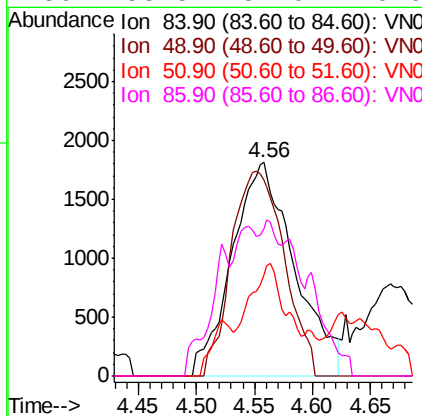
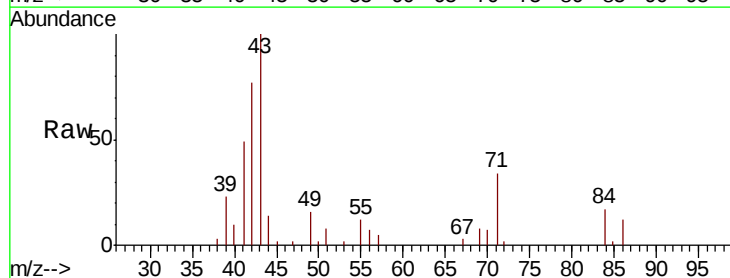
Instrument :
MSVOA_N
ClientSampled :
MW-1

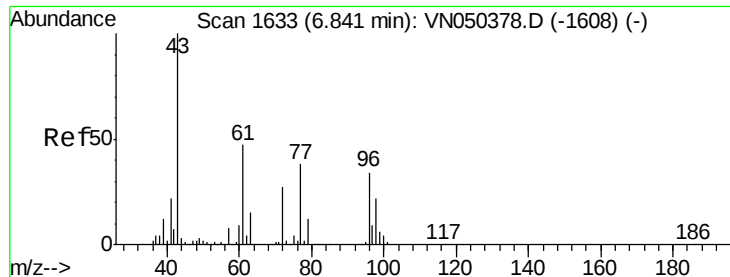
Tot Ion: 43 Resp: 5266
Ion Ratio Lower Upper
43 100
74 9.3 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

Tgt Ion: 84 Resp: 6764
Ion Ratio Lower Upper
84 100
49 91.5 94.8 142.2#
51 47.5 28.3 42.5#
86 58.5 51.0 76.6





#25

2-Butanone

Concen: 0.36 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

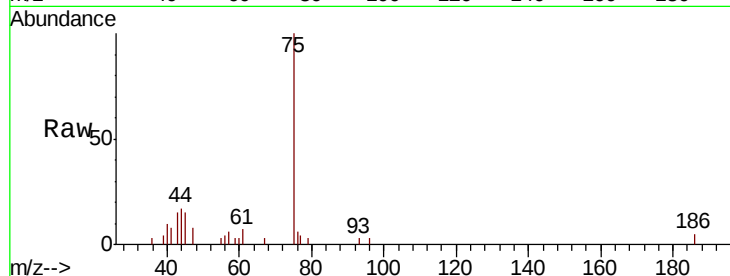
MW-1

Tot Ion: 43 Resp: 1864

Ion Ratio Lower Upper

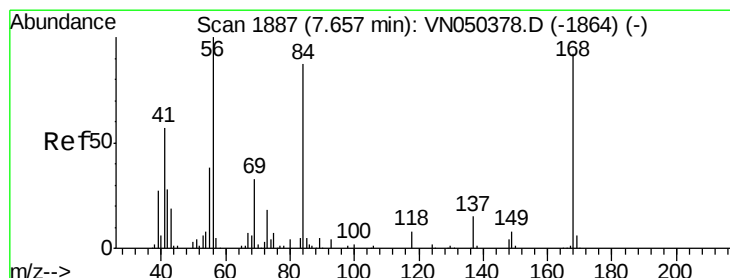
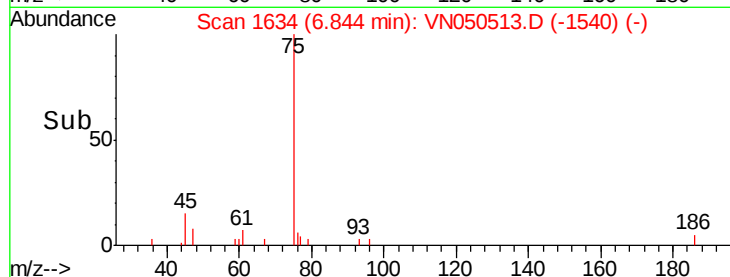
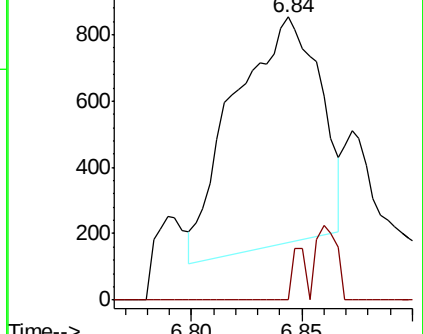
43 100

72 0.0 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 5.06 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

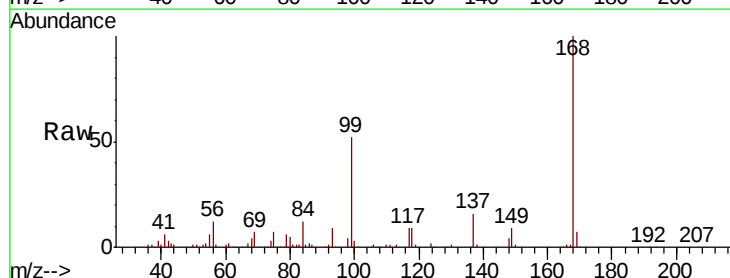
Tgt Ion: 56 Resp: 83332

Ion Ratio Lower Upper

56 100

69 56.4 26.2 39.4#

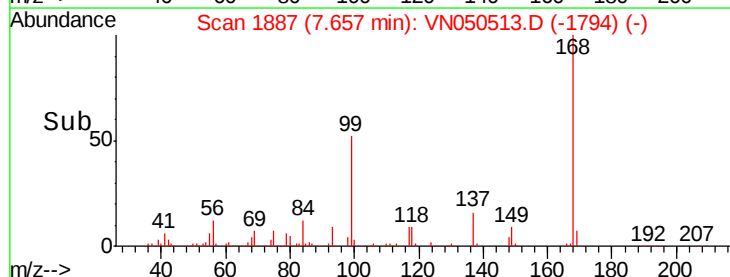
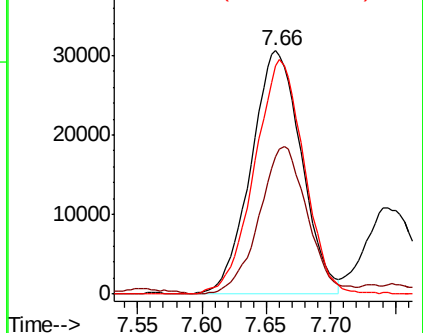
84 94.0 67.4 101.0

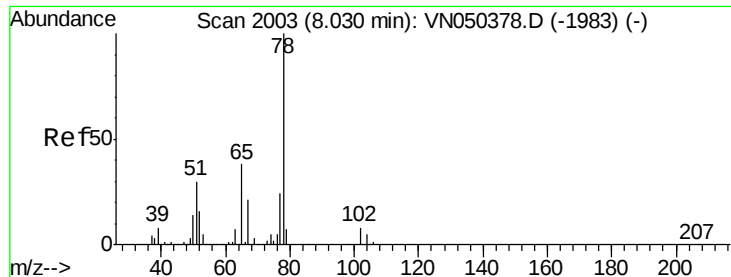


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

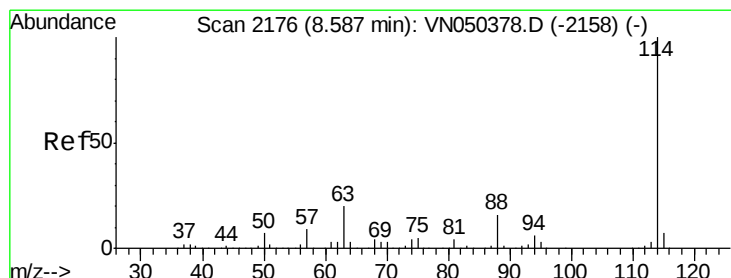
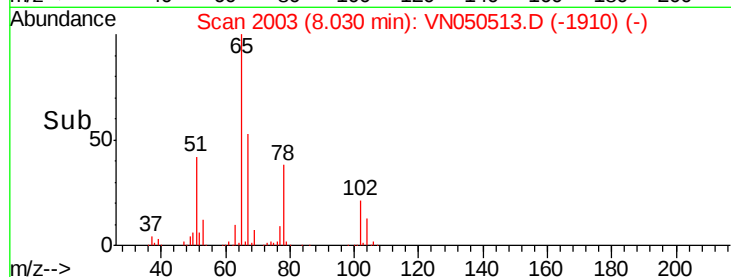
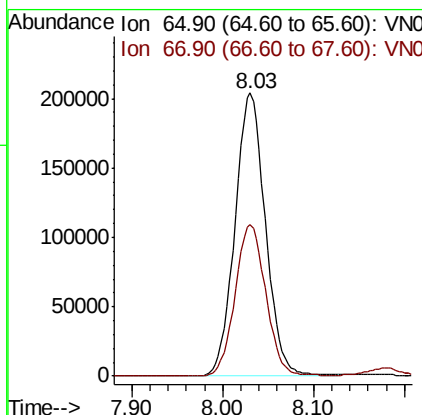
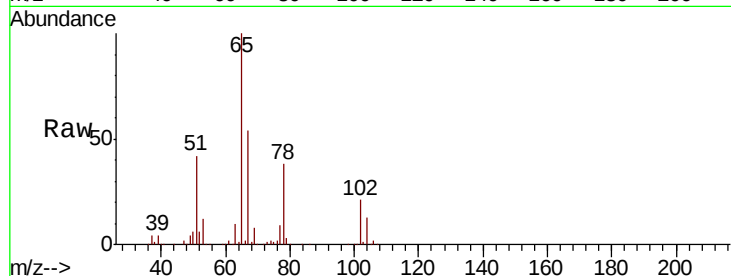




#33
 1,2-Dichloroethane-d4
 Concen: 46.01 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050513.D
 Acq: 10 Aug 2018 13:18

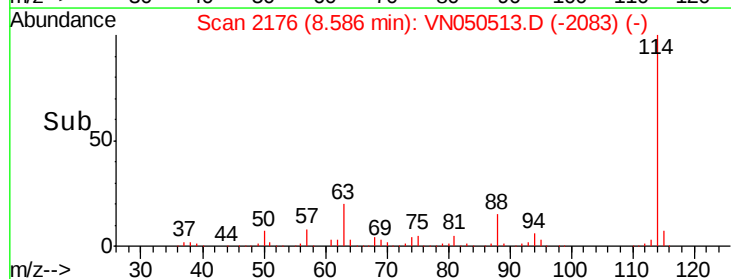
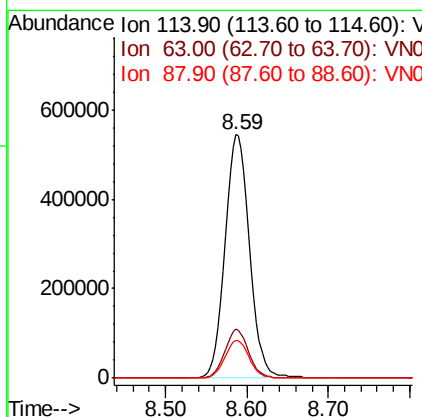
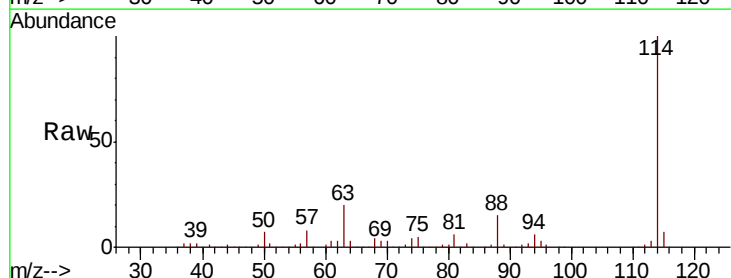
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

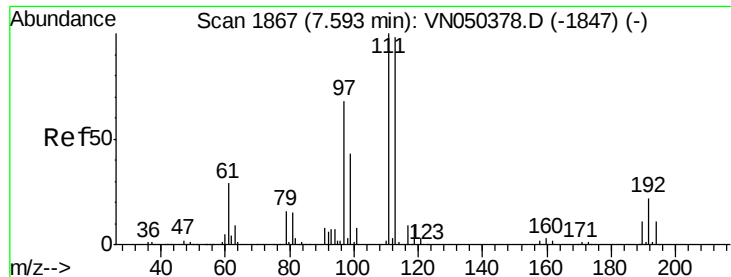
Tot Ion: 65 Resp: 475406
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050513.D
 Acq: 10 Aug 2018 13:18

Tgt Ion: 114 Resp: 1159843
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.5 0.0 31.2

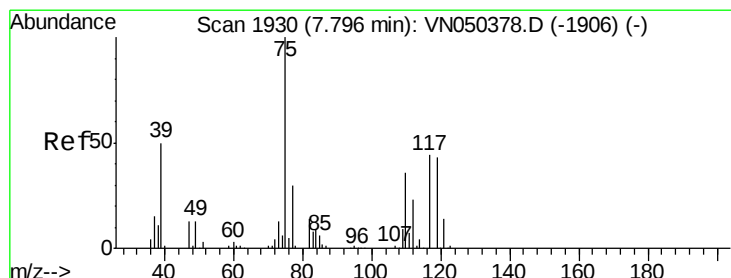
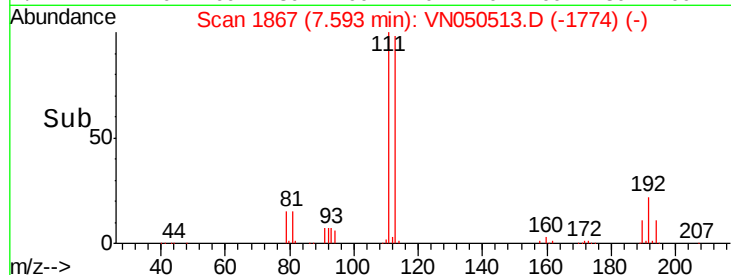
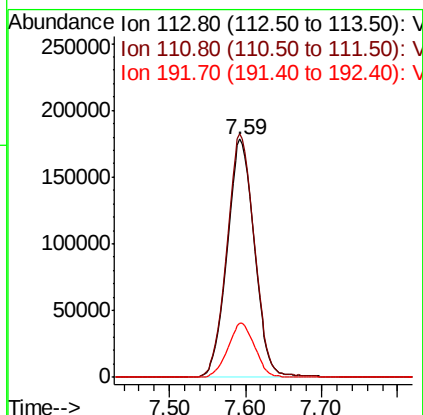
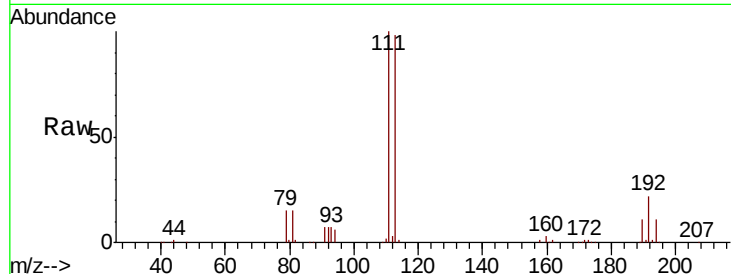




#35
 Dibromofluoromethane
 Concen: 47.85 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050513.D
 Acq: 10 Aug 2018 13:18

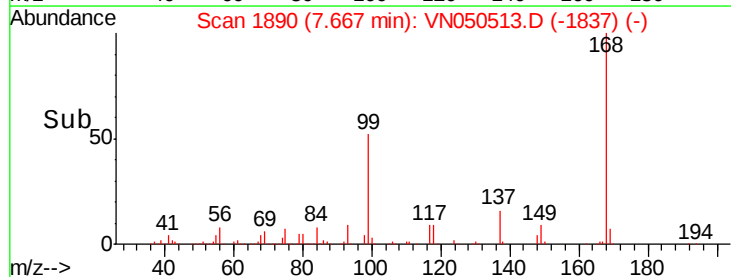
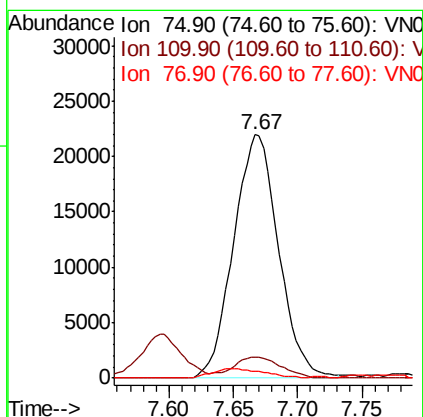
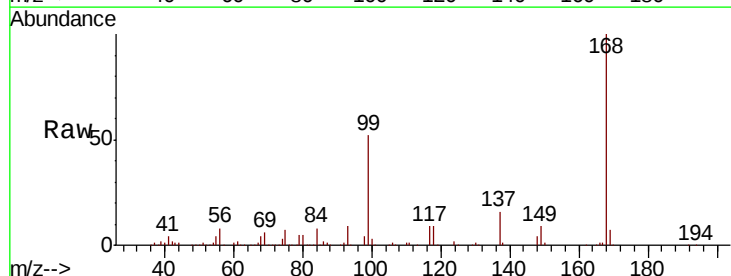
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

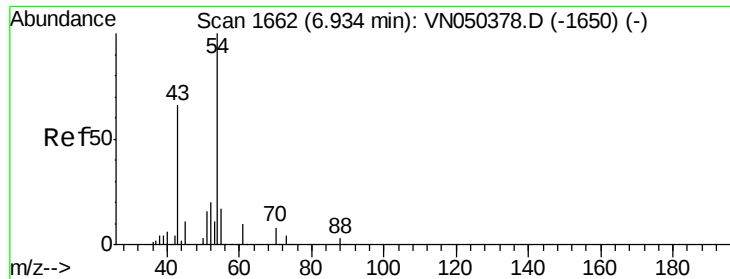
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.7	121.1
192	22.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.18 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050513.D
 Acq: 10 Aug 2018 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.4	55.2#
77	0.0	25.3	37.9#

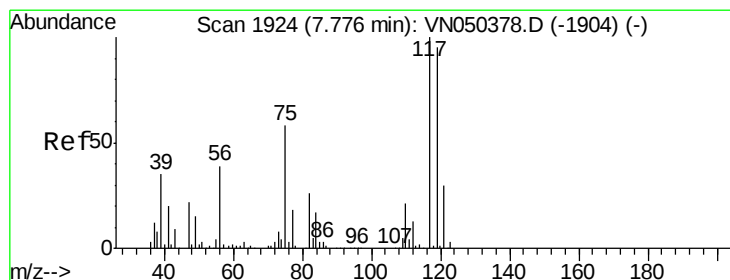
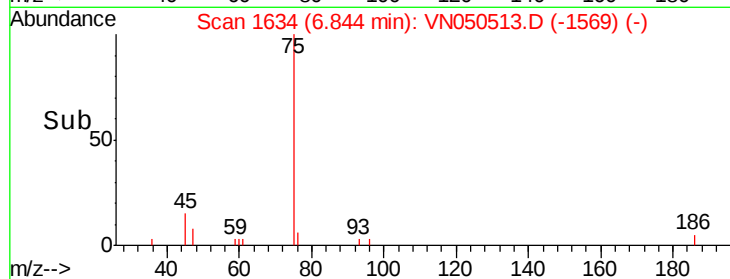
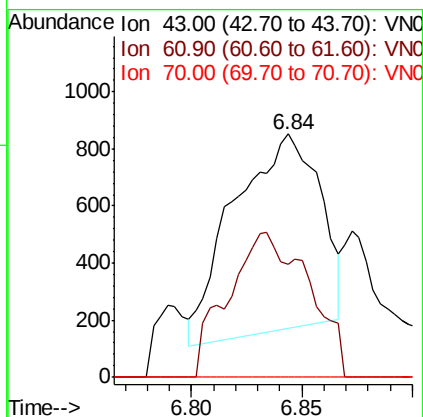
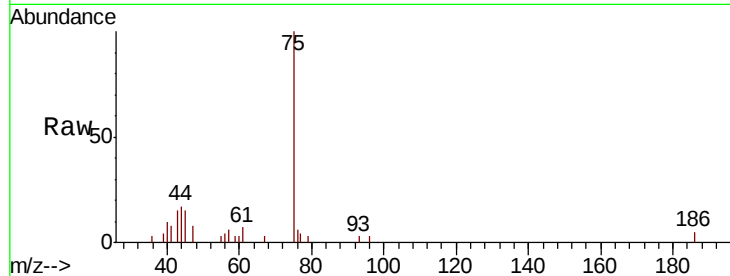




#37
Ethyl Acetate
Concen: 0.20 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. -0.09 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

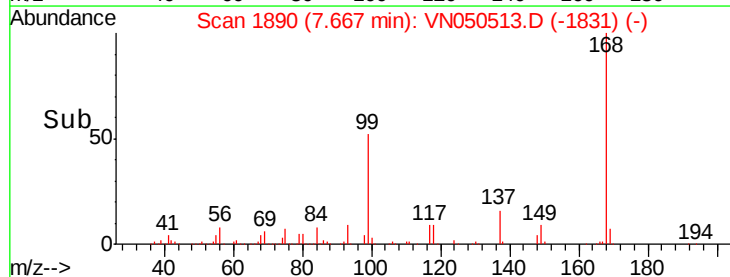
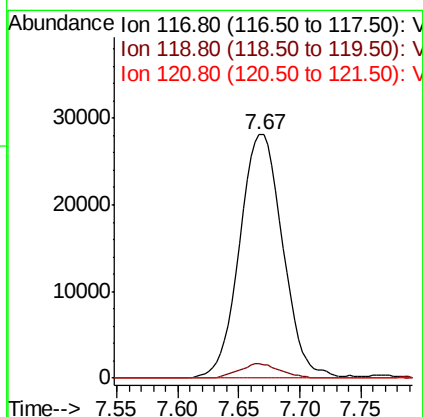
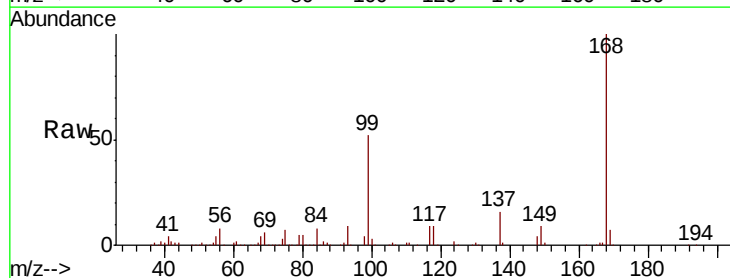
Instrument :
MSVOA_N
ClientSampled :
MW-1

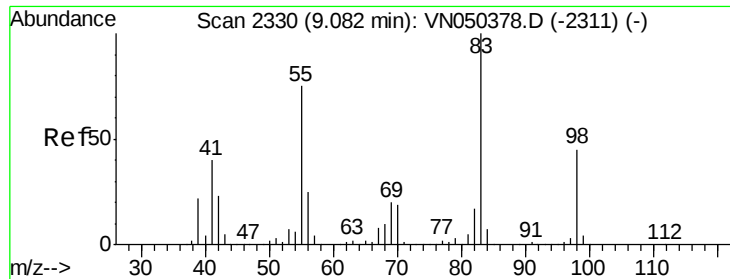
Tot Ion: 43 Resp: 1864
Ion Ratio Lower Upper
43 100
61 69.4 11.8 17.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 5.18 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

Tgt Ion: 117 Resp: 68808
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.0#
121 0.0 23.9 35.9#

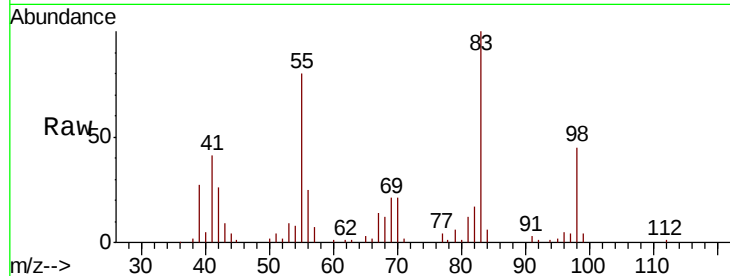




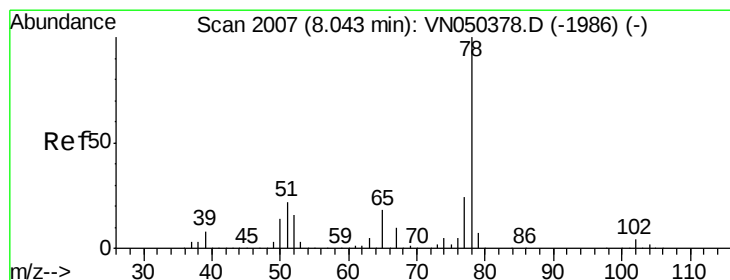
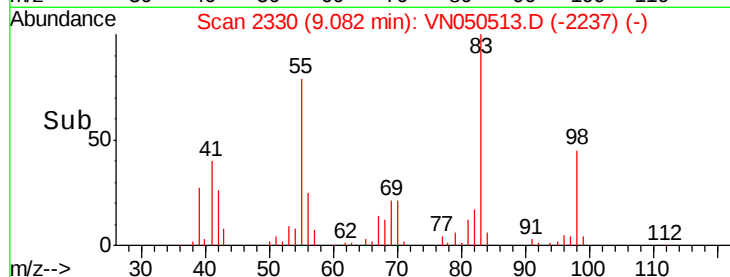
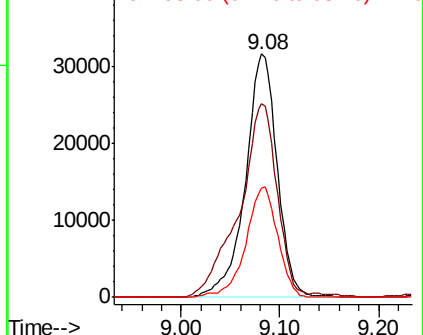
#39
Methvlcvclohexane
Concen: 5.05 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tot Ion	83	Resp	70192
Ion Ratio	Lower	Upper	
83	100		
55	79.0	61.8	92.8
98	45.0	36.5	54.7

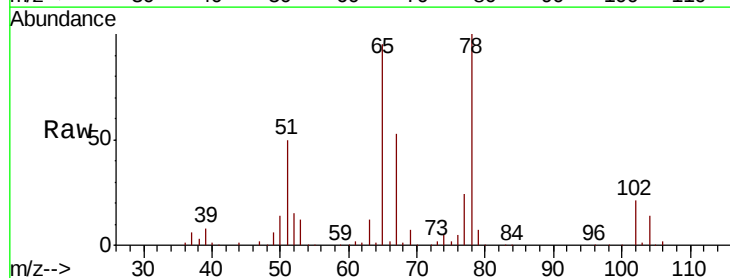


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

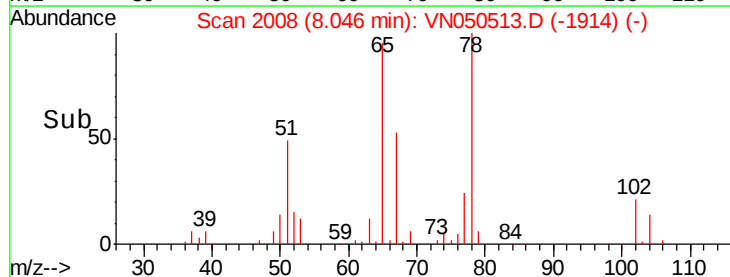
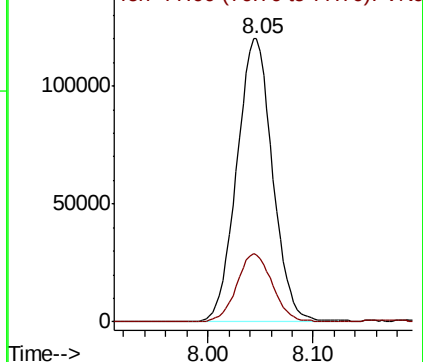


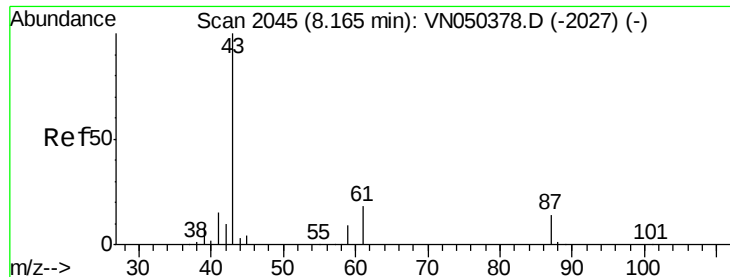
#40
Benzene
Concen: 7.22 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

Tgt Ion	78	Resp	282980
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.7	28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#43

Isopropyl Acetate

Concen: 0.39 ug/l

RT: 8.15 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

MW-1

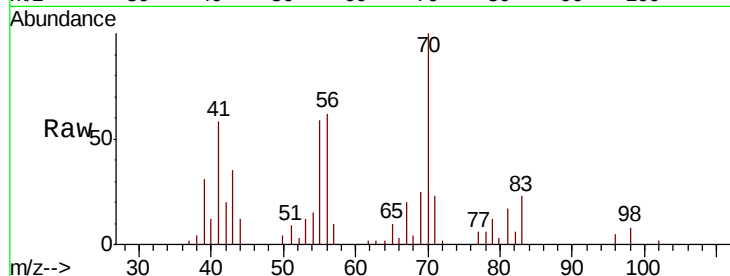
Tot Ion: 43 Resp: 6251

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

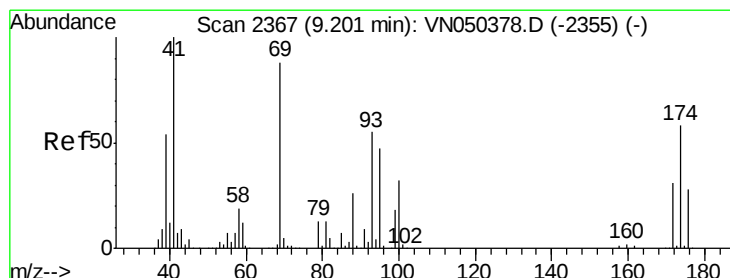
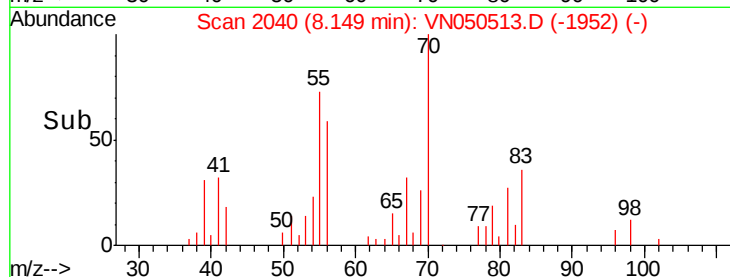
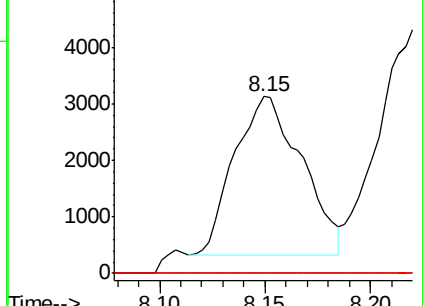
87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 0.25 ug/l

RT: 9.15 min Scan# 2350

Delta R.T. -0.05 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

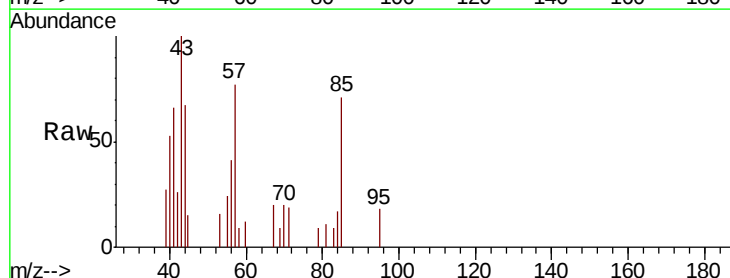
Tgt Ion: 41 Resp: 1977

Ion Ratio Lower Upper

41 100

69 0.0 70.6 105.8#

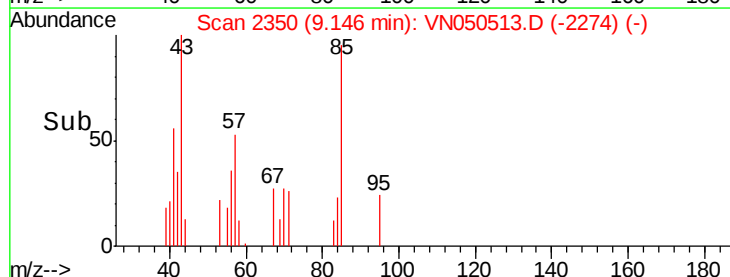
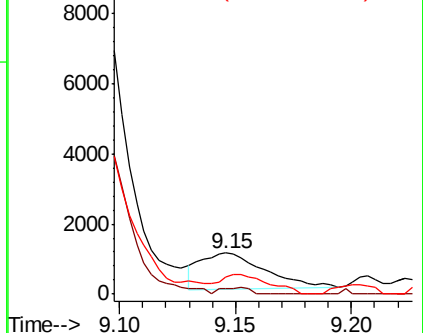
39 40.4 43.9 65.9#

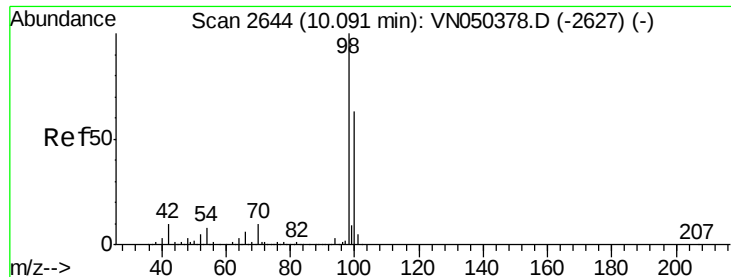


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

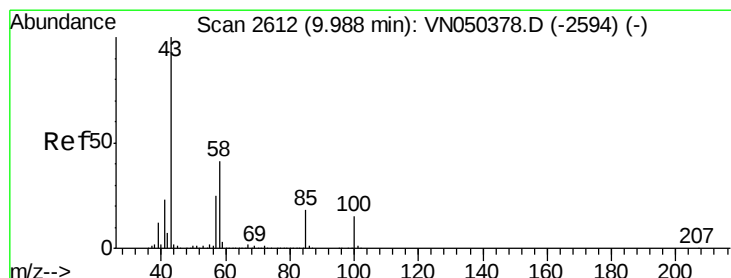
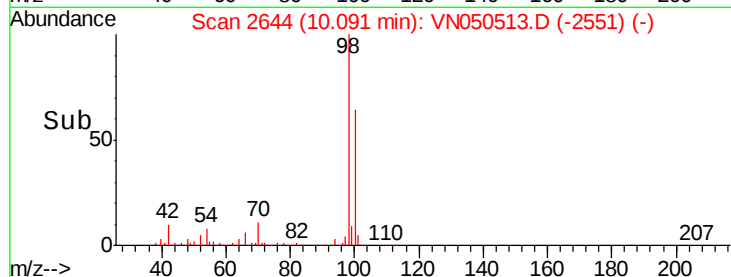
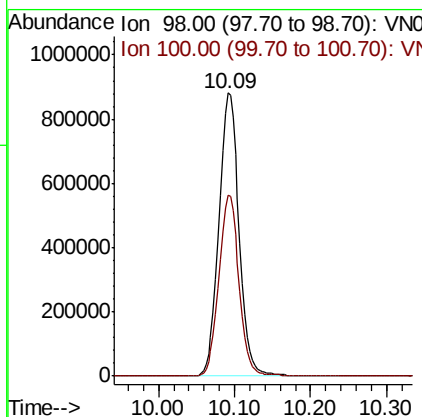
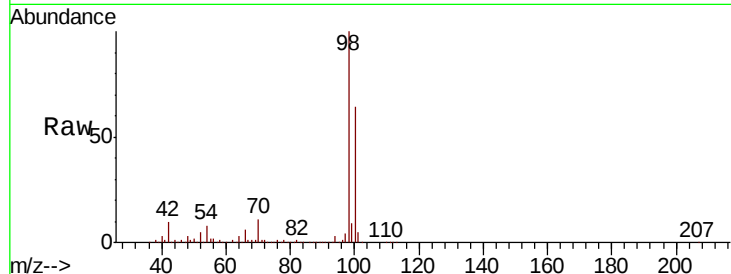




#50
Toluene-d8
Concen: 46.30 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

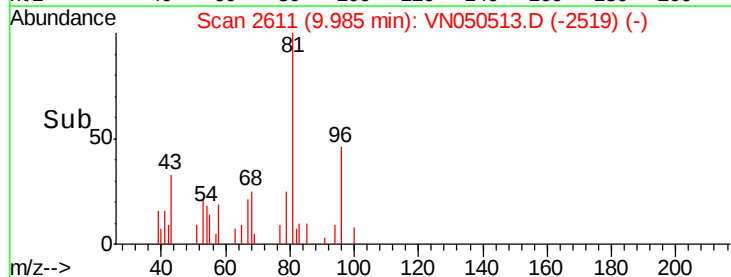
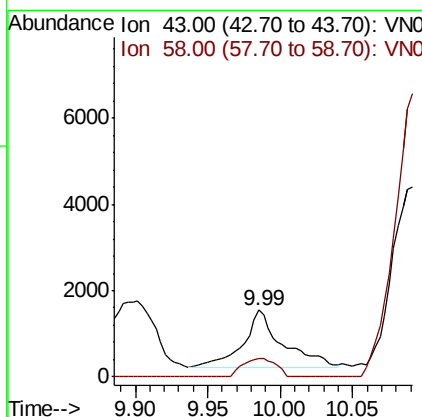
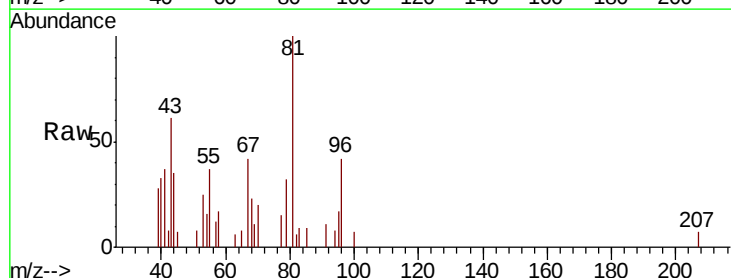
Instrument :
MSVOA_N
ClientSampled :
MW-1

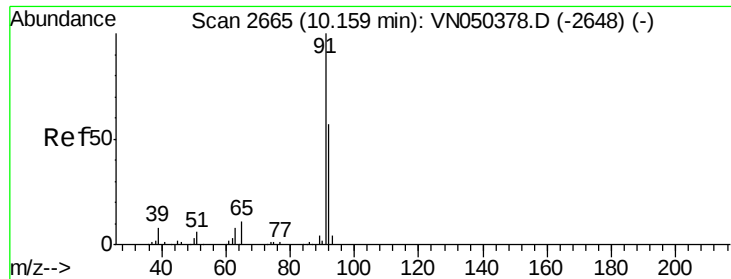
Tot Ion: 98 Resp: 1620132
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.22 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

Tgt Ion: 43 Resp: 2476
Ion Ratio Lower Upper
43 100
58 27.5 31.9 47.9#





#52

Toluene

Concen: 0.23 ug/l

RT: 10.16 min Scan# 2666

Delta R.T. 0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

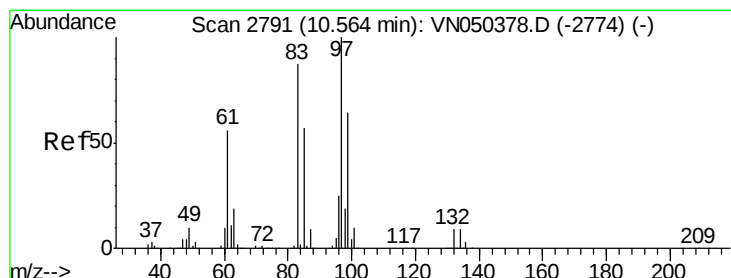
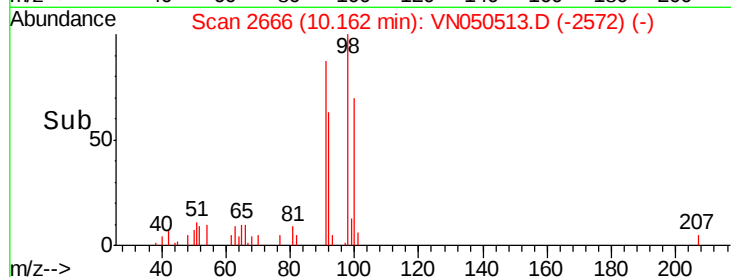
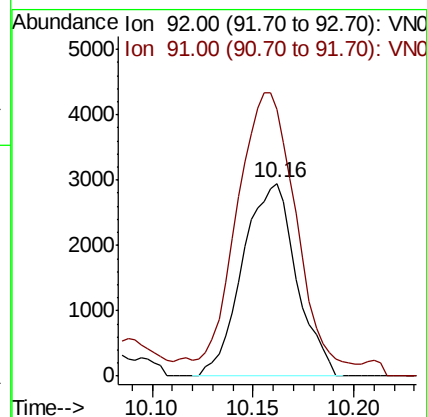
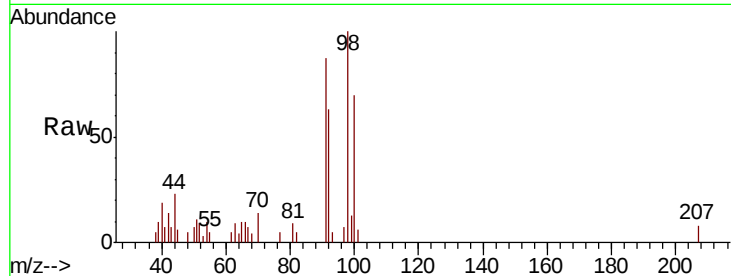
MW-1

Tot Ion: 92 Resp: 5502

Ion Ratio Lower Upper

92 100

91 164.3 140.3 210.5



#55

1,1,2-Trichloroethane

Concen: 2.03 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Tgt Ion: 97 Resp: 18693

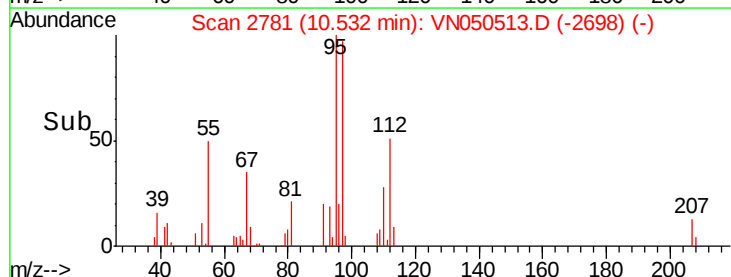
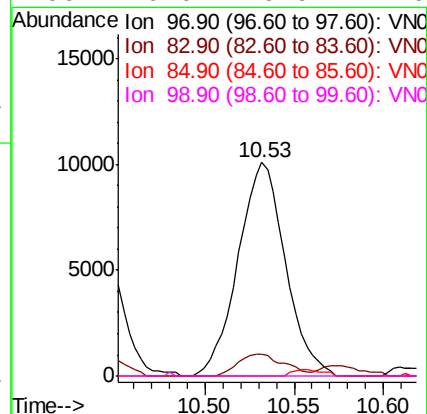
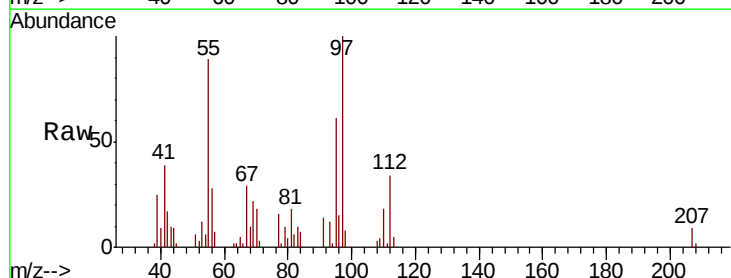
Ion Ratio Lower Upper

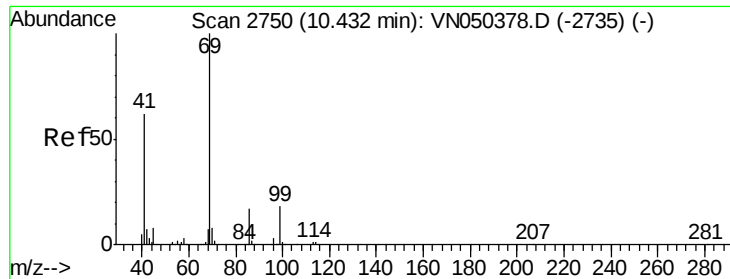
97 100

83 10.5 69.2 103.8#

85 0.0 44.0 66.0#

99 0.0 49.9 74.9#





#56

Ethyl methacrylate

Concen: 2.30 ug/l

RT: 10.44 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

MW-1

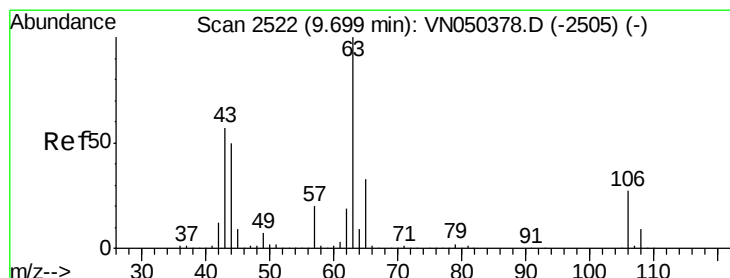
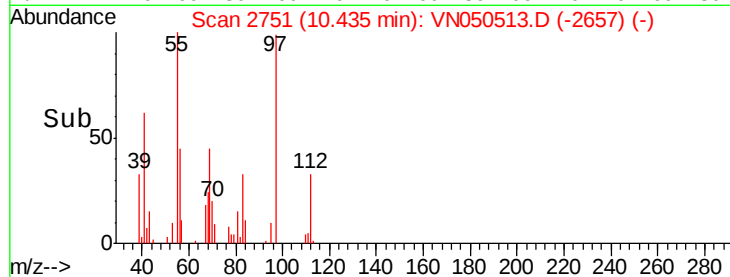
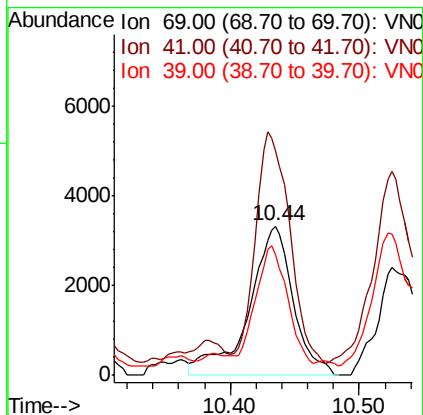
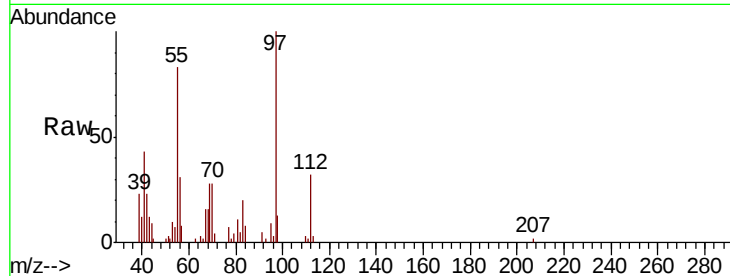
Tot Ion: 69 Resp: 7947

Ion Ratio Lower Upper

69 100

41 119.4 51.0 76.4#

39 55.1 26.6 40.0#



#58

2-Chloroethyl Vinyl ether

Concen: 7.43 ug/l

RT: 9.71 min Scan# 2526

Delta R.T. 0.01 min

Lab File: VN050513.D

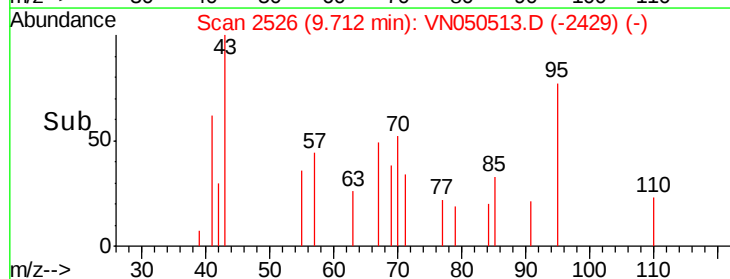
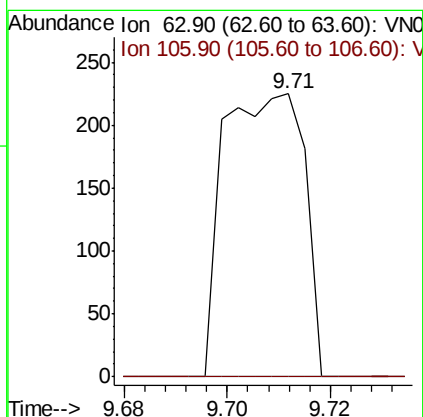
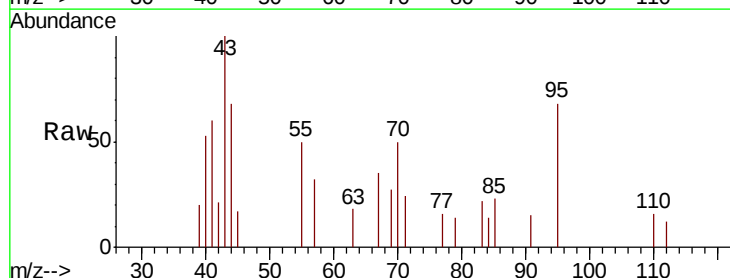
Acq: 10 Aug 2018 13:18

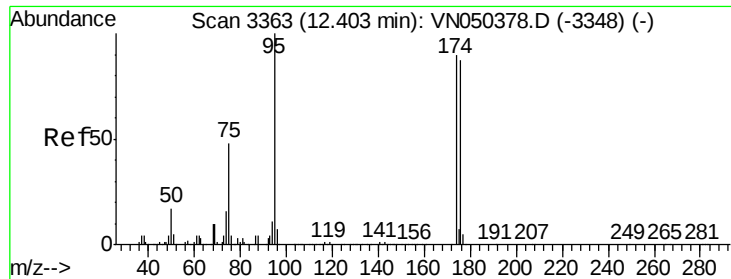
Tgt Ion: 63 Resp: 242

Ion Ratio Lower Upper

63 100

106 0.0 21.7 32.5#

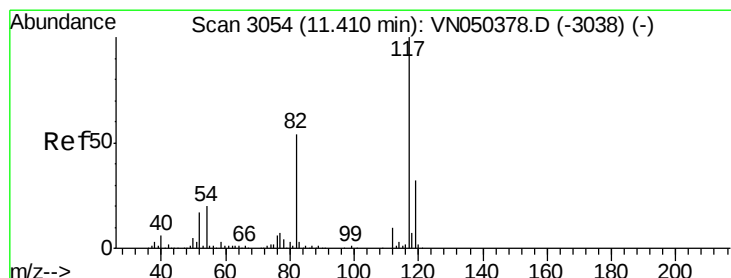
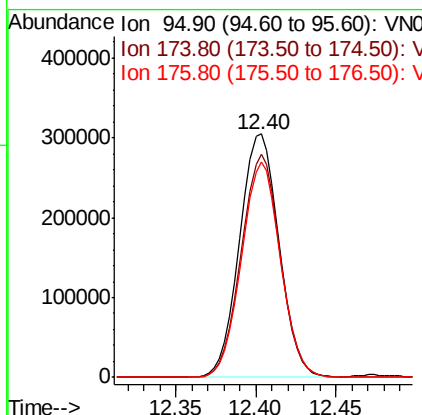
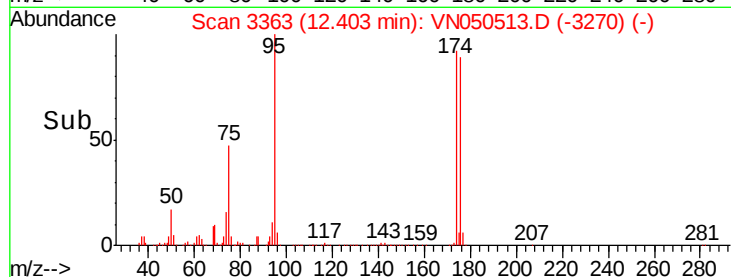
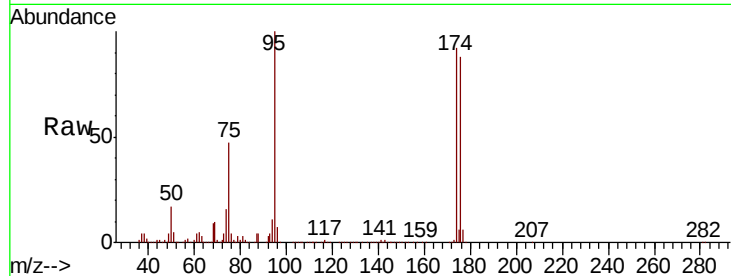




#62
4-Bromofluorobenzene
Concen: 42.62 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

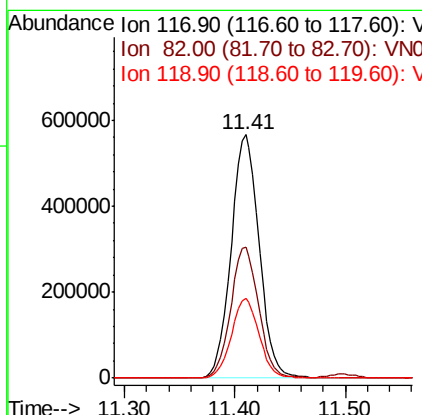
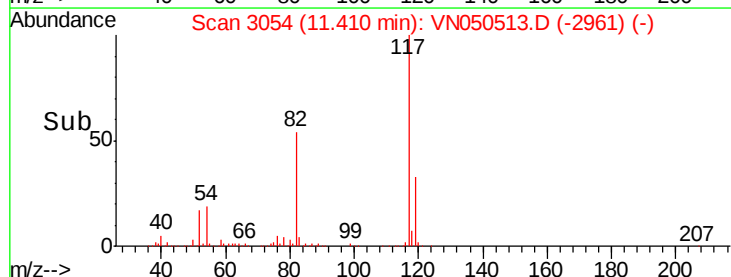
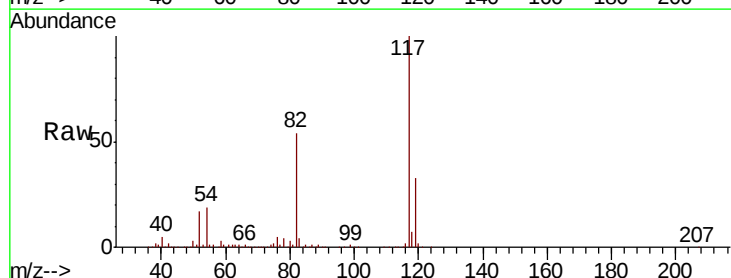
Instrument :
MSVOA_N
ClientSampleId :
MW-1

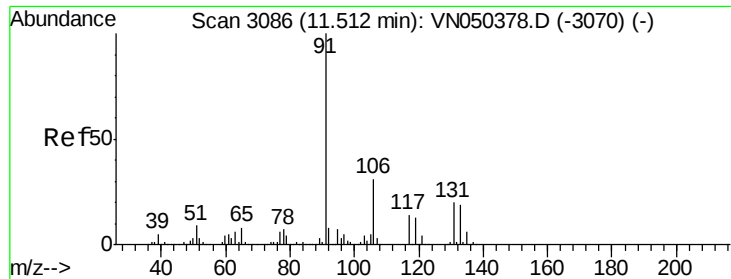
Tot Ion: 95 Resp: 508322
Ion Ratio Lower Upper
95 100
174 91.3 0.0 178.2
176 87.9 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

Tgt Ion: 117 Resp: 997856
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.6 26.1 39.1

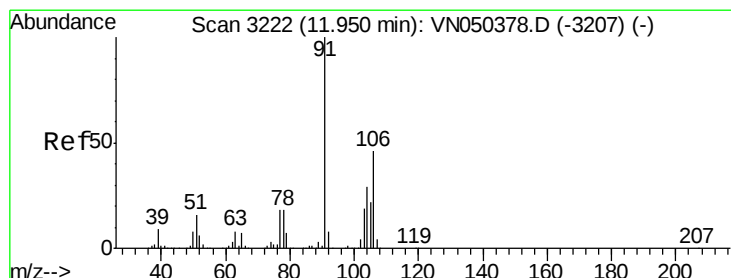
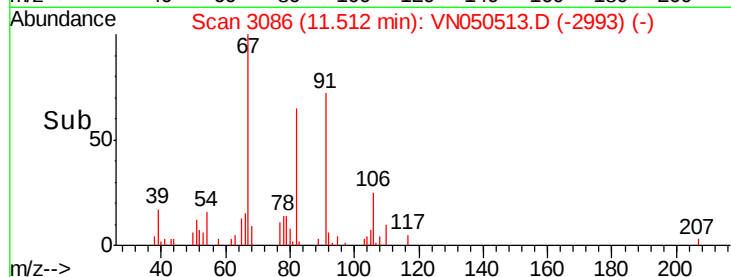
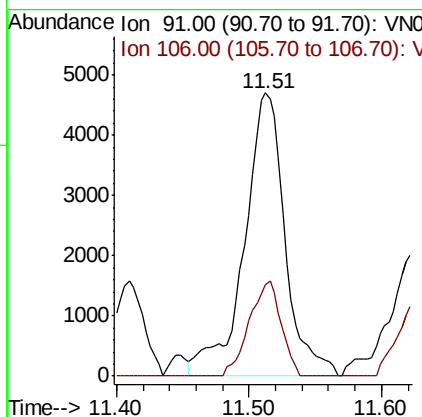
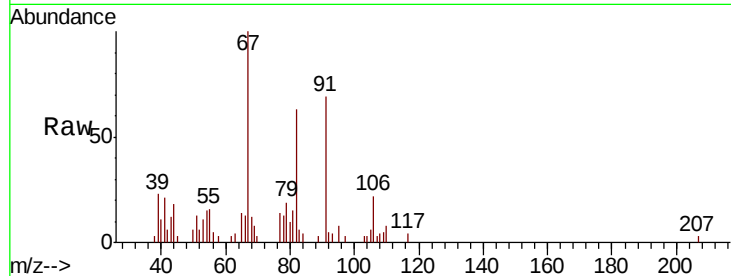




#67
Ethyl Benzene
Concen: 0.25 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

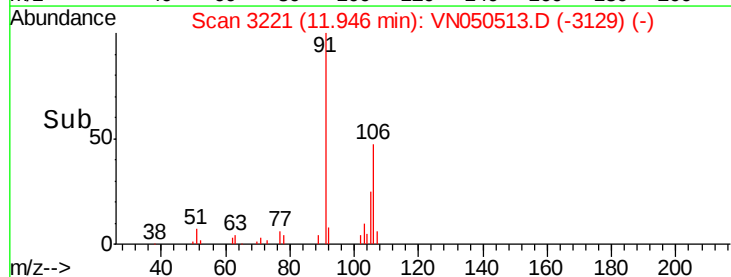
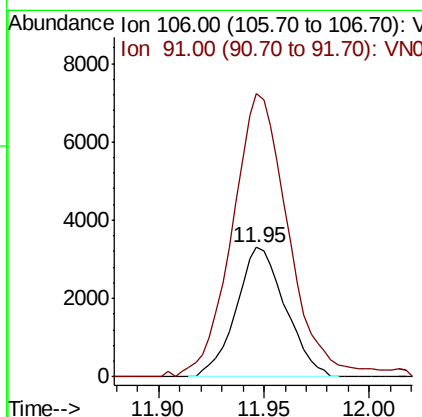
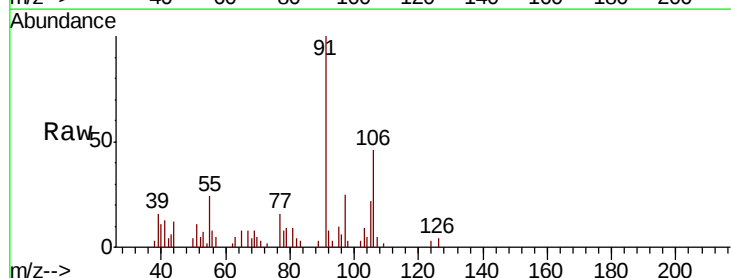
Instrument :
MSVOA_N
ClientSampled :
MW-1

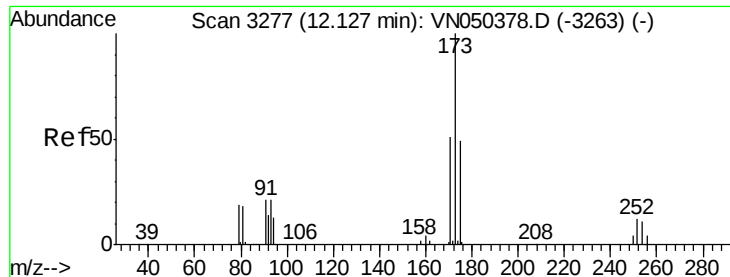
Tot Ion: 91 Resp: 10043
Ion Ratio Lower Upper
91 100
106 32.5 25.0 37.4



#69
o-Xylene
Concen: 0.36 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

Tgt Ion: 106 Resp: 5364
Ion Ratio Lower Upper
106 100
91 250.2 107.7 323.1





#71

Bromoform

Concen: 0.34 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

MW-1

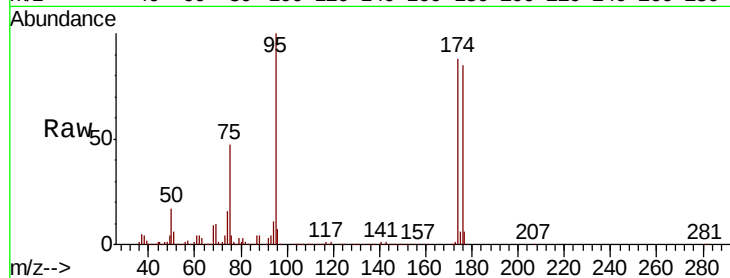
Tot Ion:173 Resp: 2284

Ion Ratio Lower Upper

173 100

175 1225.5 24.1 72.2#

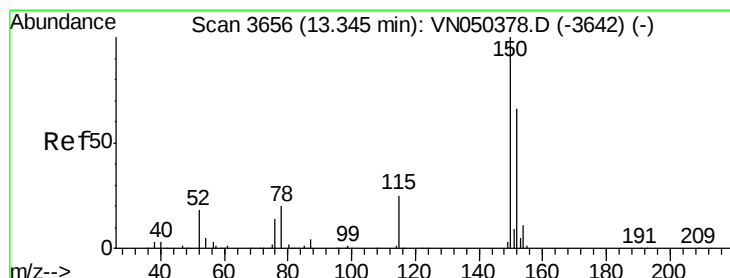
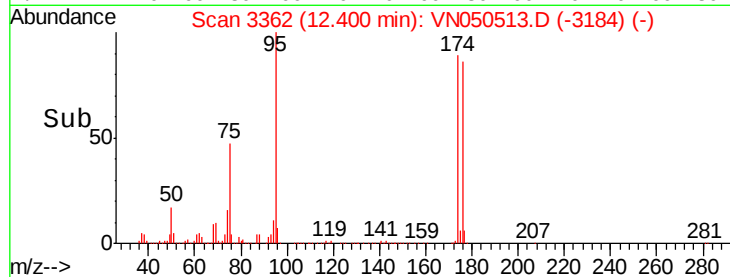
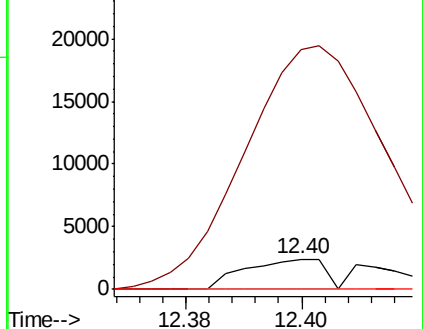
254 0.0 0.2 0.2#



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: VN050513.D

Acq: 10 Aug 2018 13:18

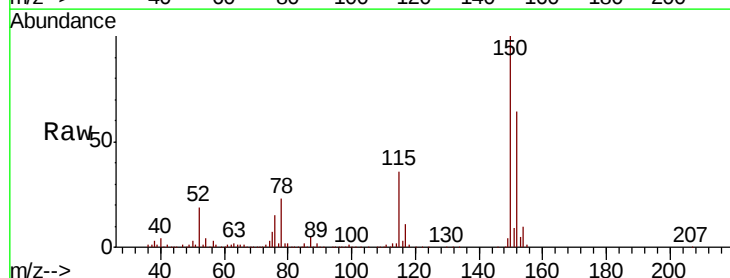
Tgt Ion:152 Resp: 464354

Ion Ratio Lower Upper

152 100

115 56.5 27.8 83.3

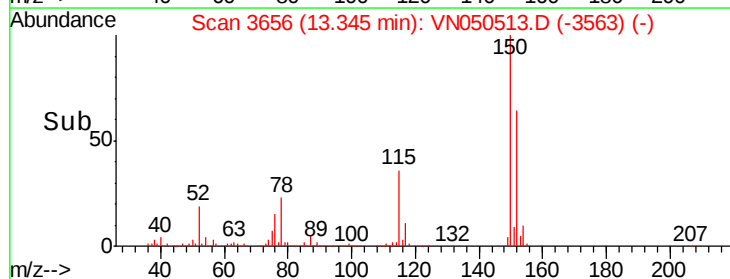
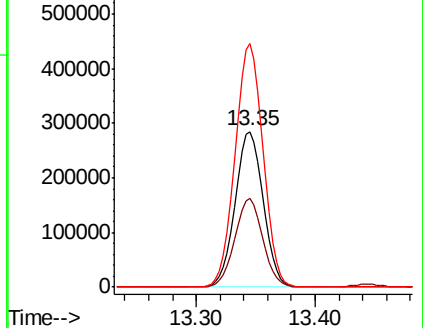
150 156.1 0.0 348.6

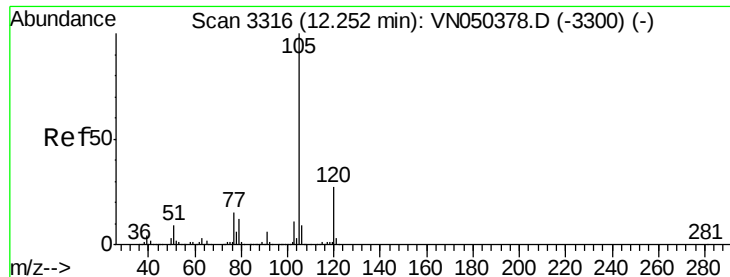


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 11.35 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

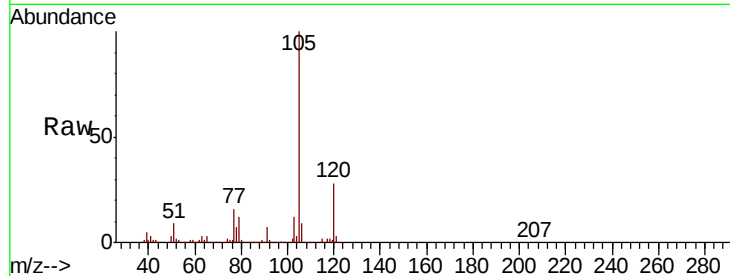
MW-1

Tot Ion:105 Resp: 395529

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

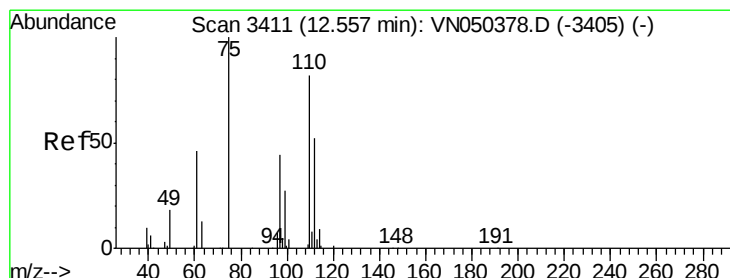
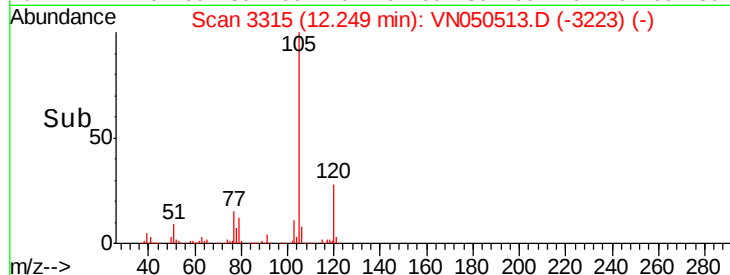
0

12.20

12.25

12.30

Time-->



#76

1,2,3-Trichloropropane

Concen: 28.74 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050513.D

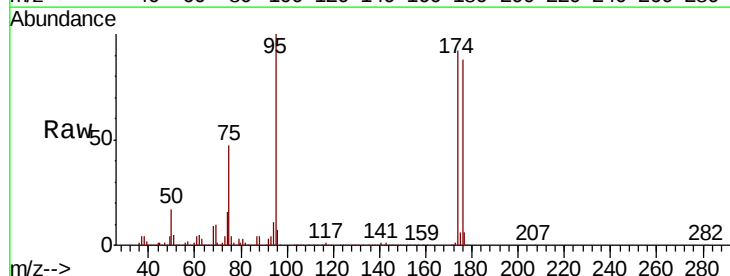
Acq: 10 Aug 2018 13:18

Tgt Ion: 75 Resp: 241541

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

150000

100000

50000

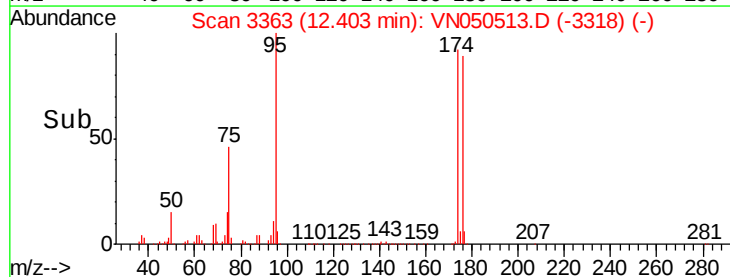
0

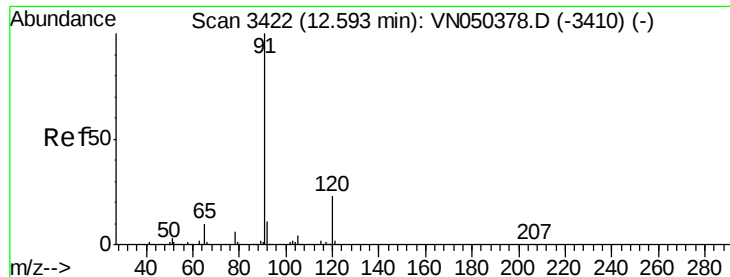
12.35

12.40

12.45

Time-->





#78

n-propylbenzene

Concen: 24.13 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

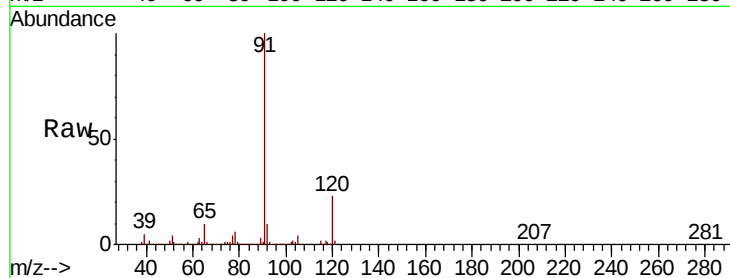
MW-1

Tot Ion: 91 Resp: 952200

Ion Ratio Lower Upper

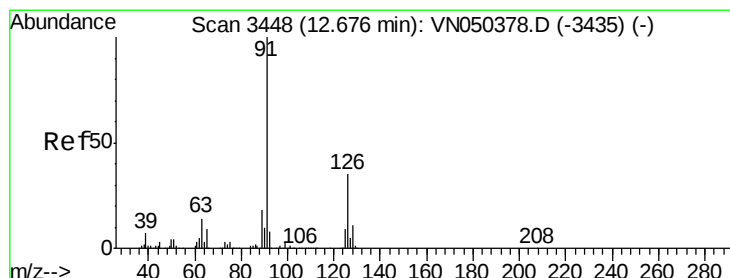
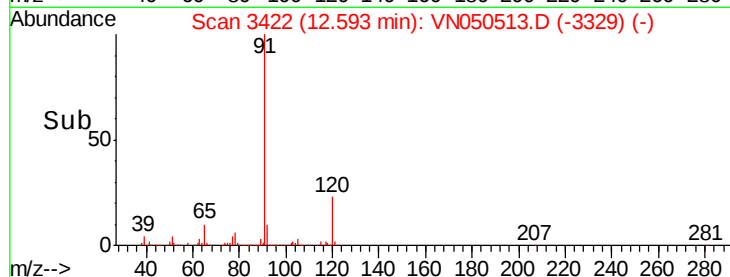
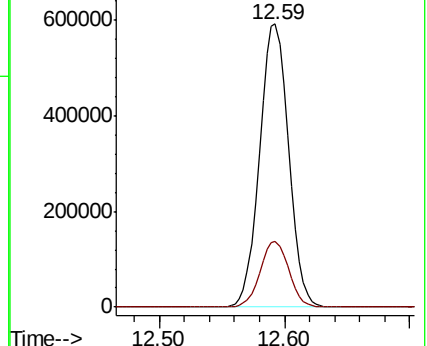
91 100

120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 39.08 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN050513.D

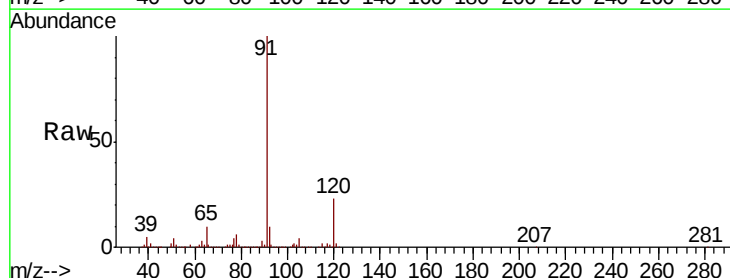
Acq: 10 Aug 2018 13:18

Tgt Ion: 91 Resp: 952200

Ion Ratio Lower Upper

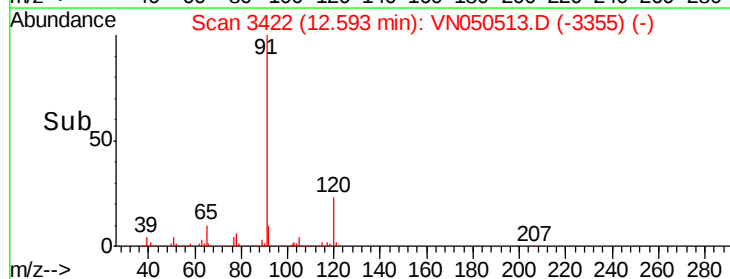
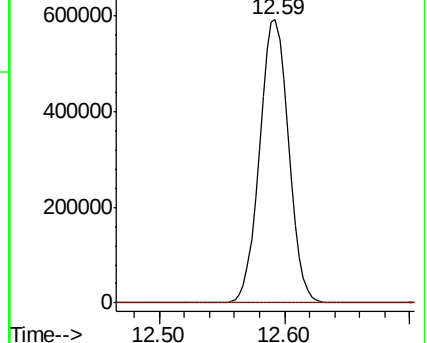
91 100

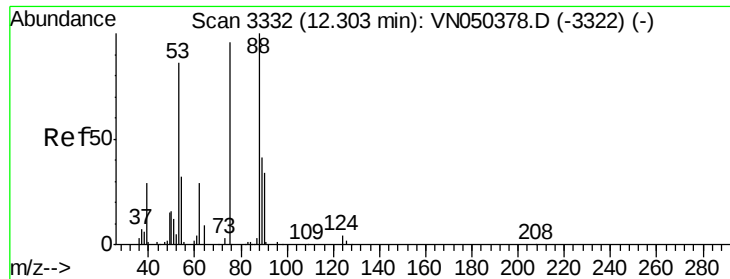
126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 100.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

MW-1

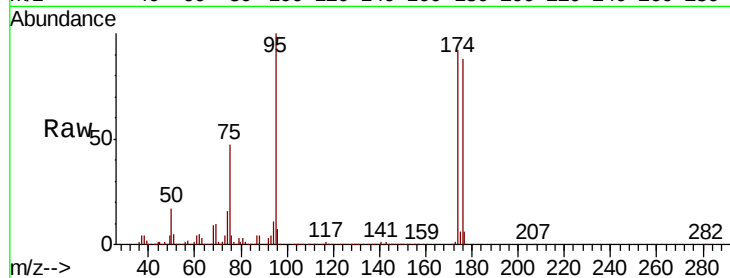
Tot Ion: 75 Resp: 241541

Ion Ratio Lower Upper

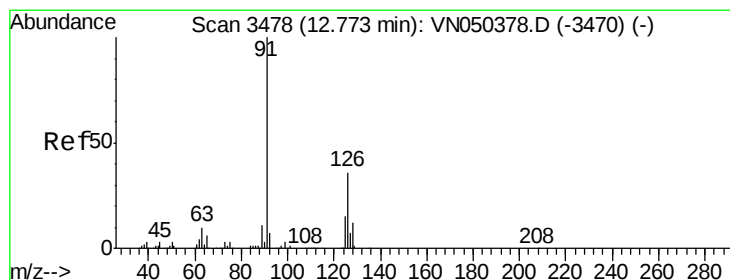
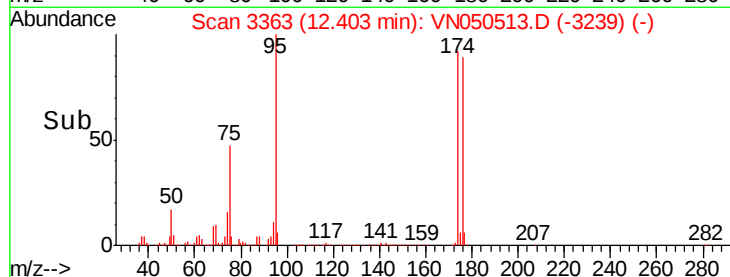
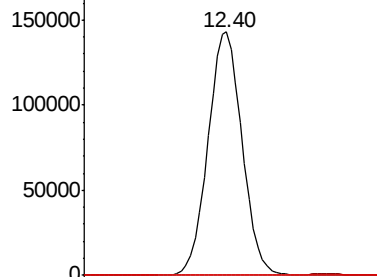
75 100

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



#82

4-Chlorotoluene

Concen: 39.18 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN050513.D

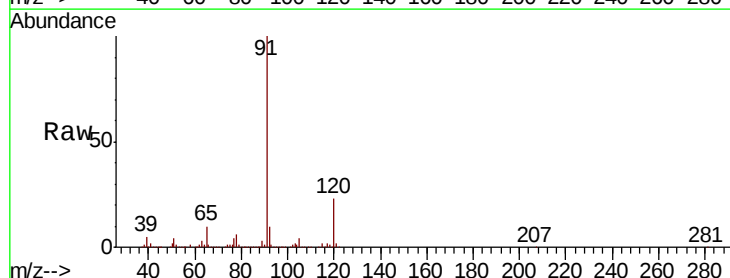
Acq: 10 Aug 2018 13:18

Tgt Ion: 91 Resp: 952200

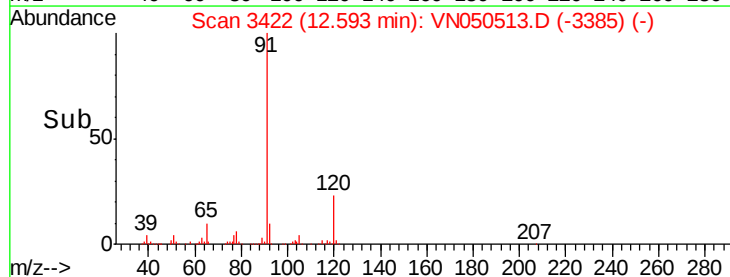
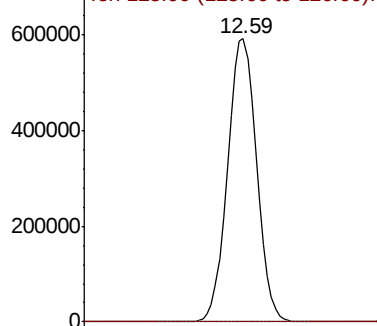
Ion Ratio Lower Upper

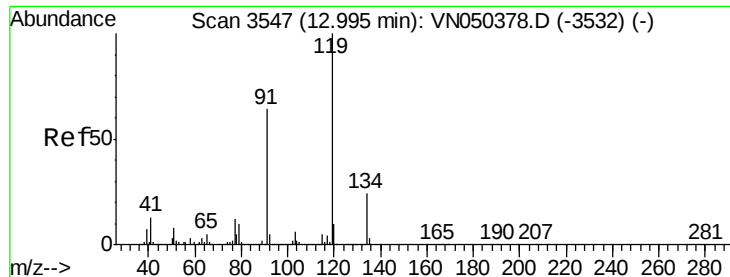
91 100

126 0.0 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

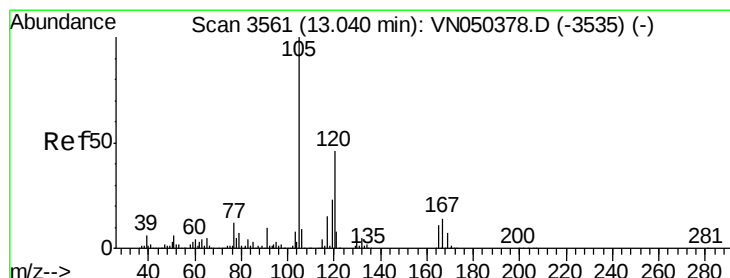
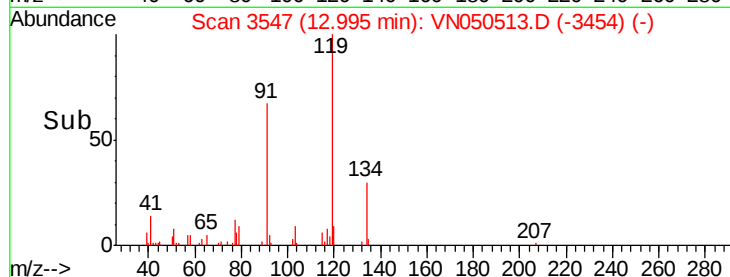
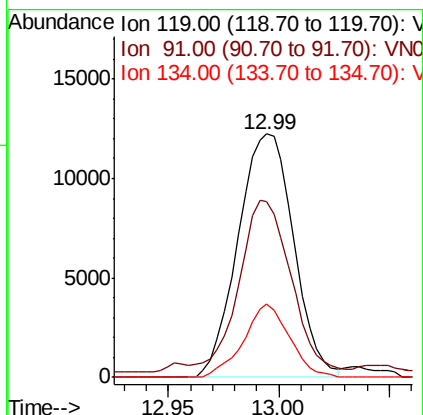
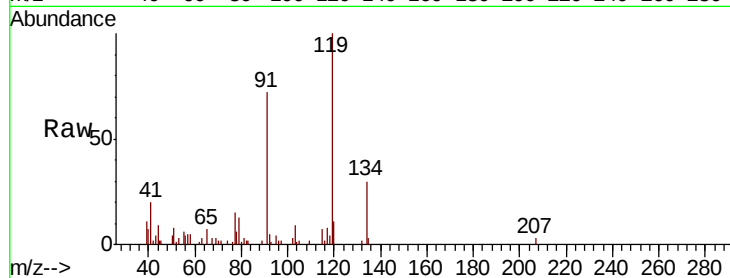




#83
 tert-Butylbenzene
 Concen: 0.87 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050513.D
 Acq: 10 Aug 2018 13:18

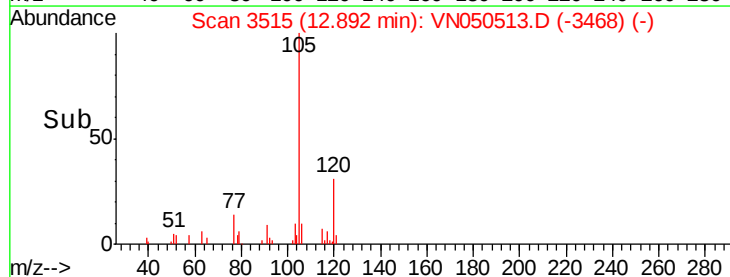
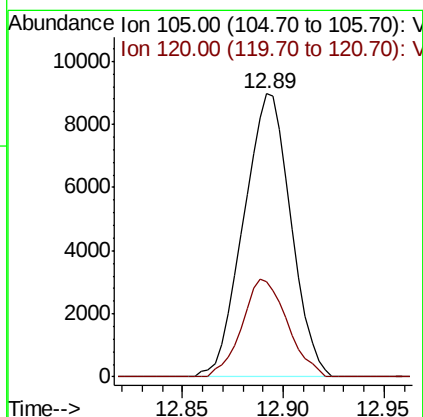
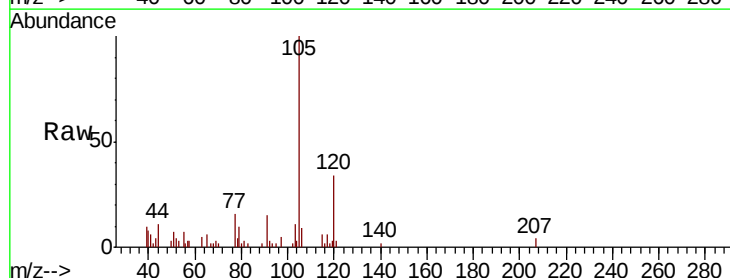
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

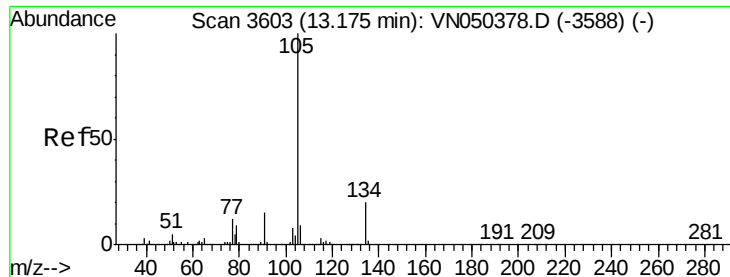
Tot Ion:119 Resp: 21376
 Ion Ratio Lower Upper
 119 100
 91 62.7 32.1 96.3
 134 24.8 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 0.51 ug/l
 RT: 12.89 min Scan# 3515
 Delta R.T. -0.15 min
 Lab File: VN050513.D
 Acq: 10 Aug 2018 13:18

Tgt Ion:105 Resp: 14701
 Ion Ratio Lower Upper
 105 100
 120 33.1 22.9 68.7





#85

sec-Butylbenzene

Concen: 8.48 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

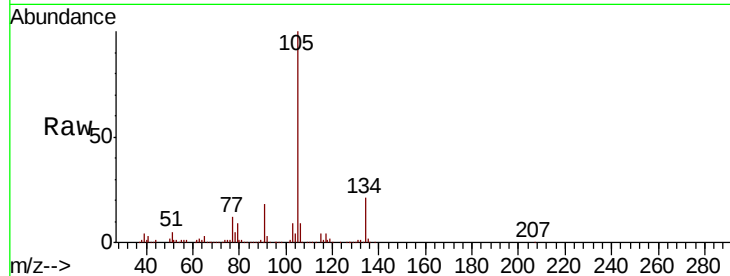
MW-1

Tot Ion:105 Resp: 279149

Ion Ratio Lower Upper

105 100

134 25.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

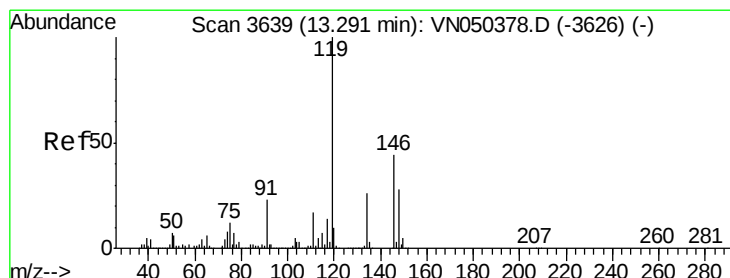
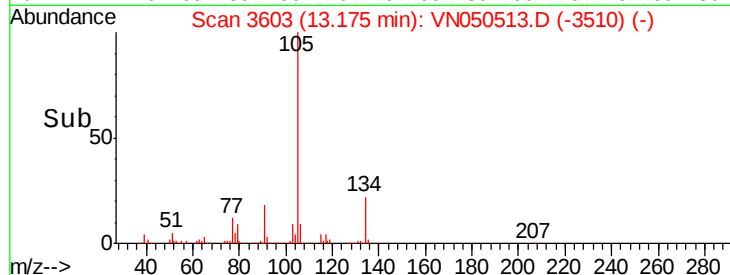
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 3.14 ug/l

RT: 13.44 min Scan# 3687

Delta R.T. 0.15 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

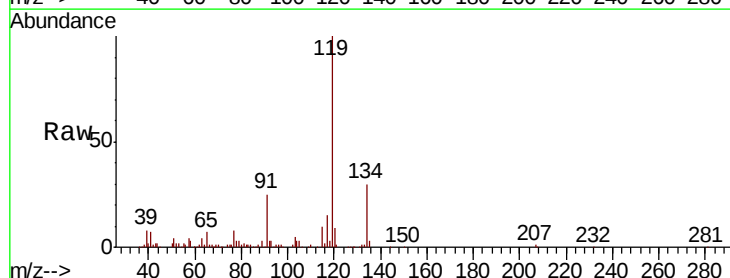
Tgt Ion:119 Resp: 88533

Ion Ratio Lower Upper

119 100

134 27.5 13.3 39.8

91 23.8 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

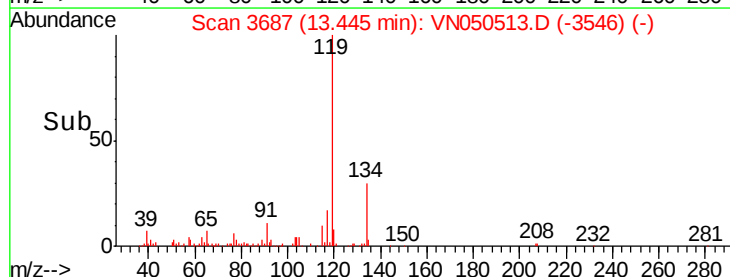
150000

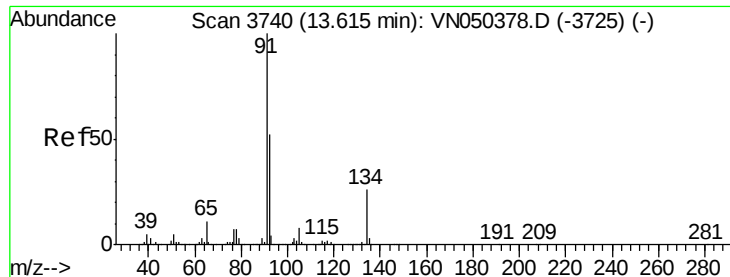
100000

50000

0

Time-->

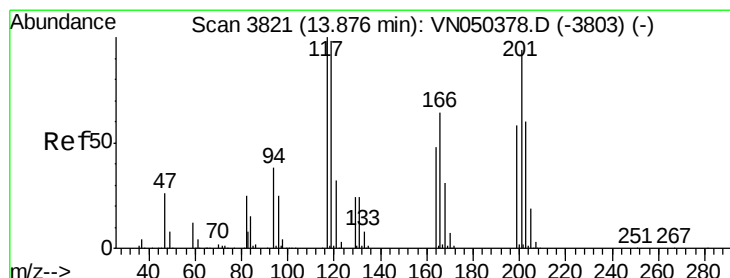
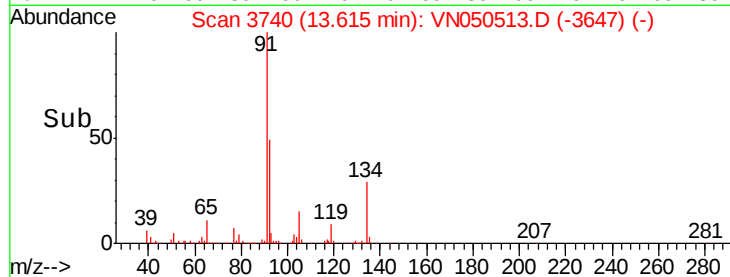
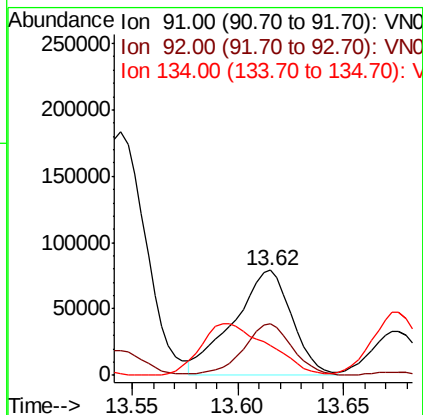
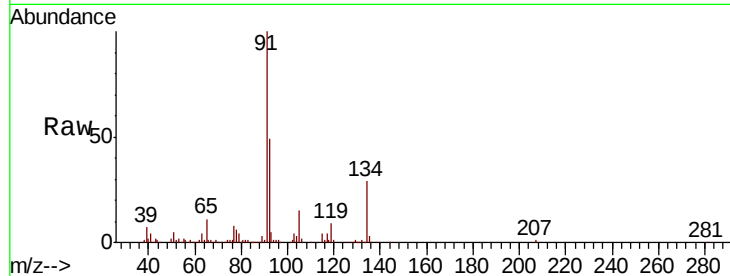




#89
n-Butylbenzene
Concen: 6.33 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

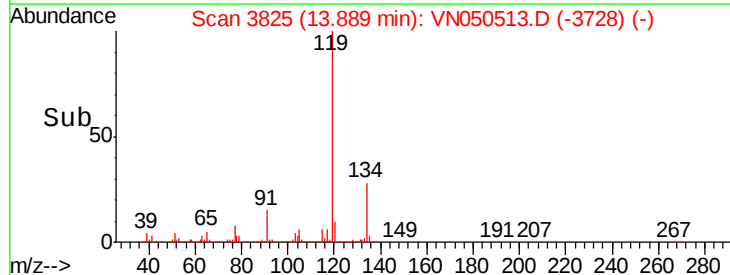
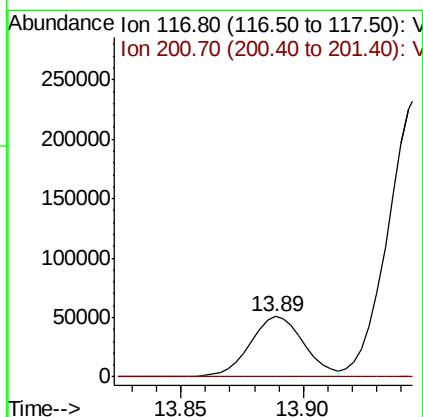
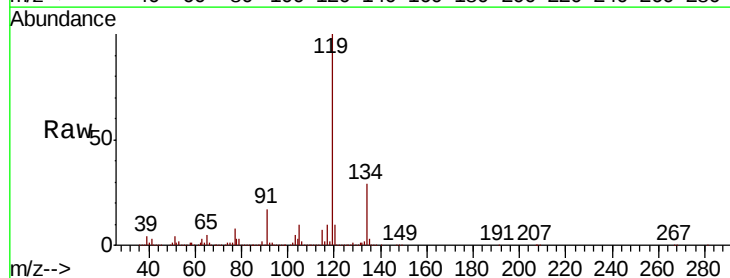
Instrument :
MSVOA_N
ClientSampled :
MW-1

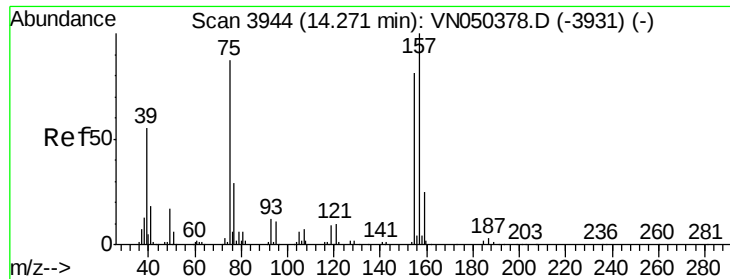
Tot Ion: 91 Resp: 151921
Ion Ratio Lower Upper
91 100
92 41.4 25.8 77.4
134 57.9 12.8 38.4#



#90
Hexachloroethane
Concen: 15.12 ug/l
RT: 13.89 min Scan# 3825
Delta R.T. 0.01 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

Tgt Ion: 117 Resp: 75804
Ion Ratio Lower Upper
117 100
201 0.0 45.6 136.8#

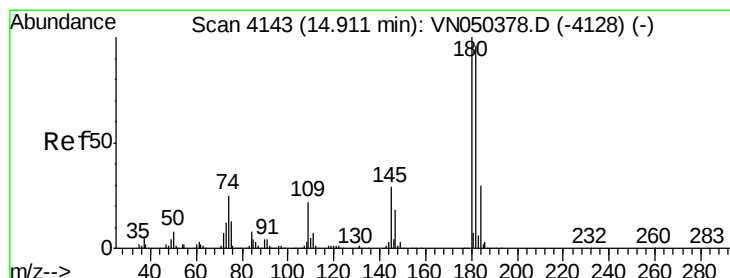
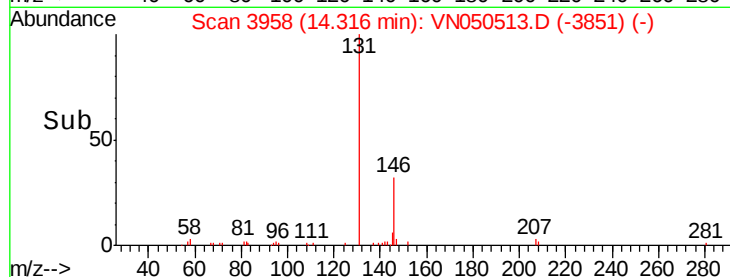
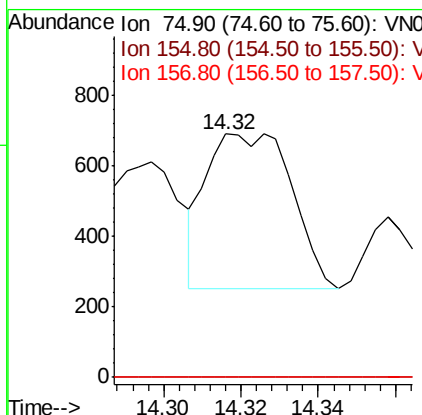
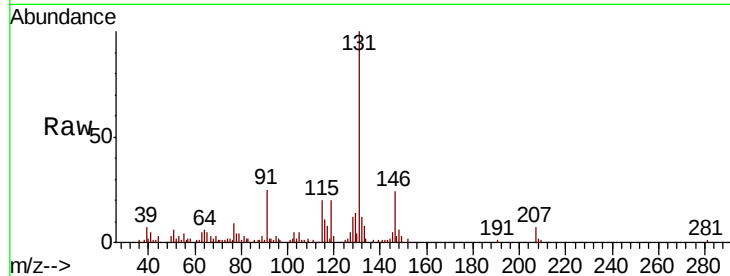




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.39 ug/l
 RT: 14.32 min Scan# 3958
 Delta R.T. 0.04 min
 Lab File: VN050513.D
 Acq: 10 Aug 2018 13:18

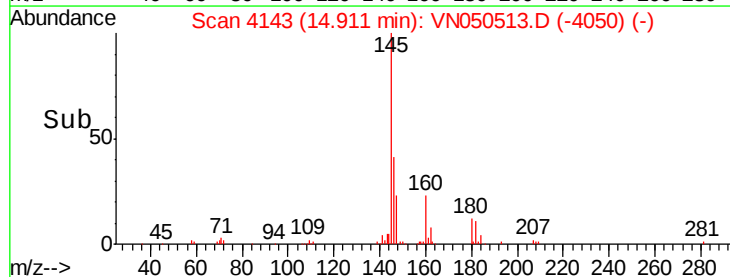
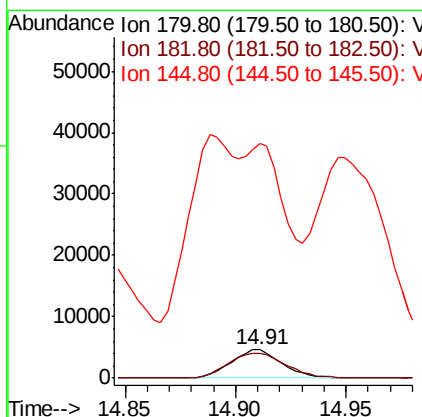
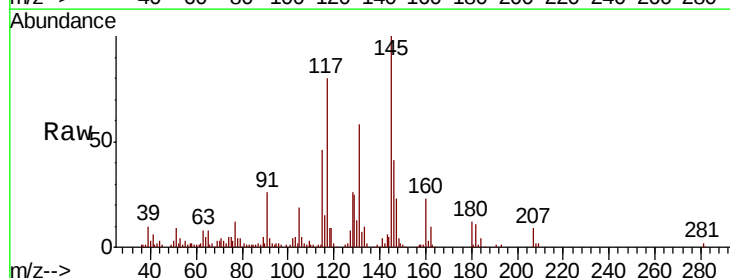
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

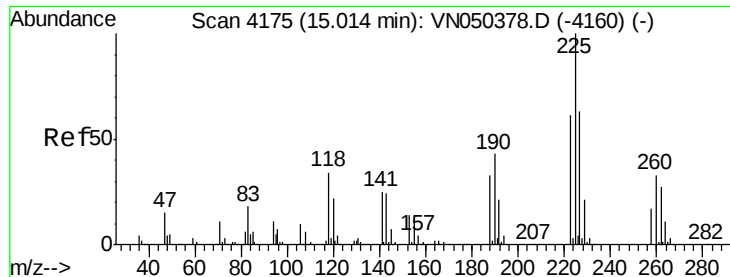
Tot Ion: 75 Resp: 665
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.8 134.4#
 157 0.0 57.2 171.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.86 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050513.D
 Acq: 10 Aug 2018 13:18

Tgt Ion:180 Resp: 7311
 Ion Ratio Lower Upper
 180 100
 182 99.1 46.7 140.1
 145 0.0 13.8 41.4#

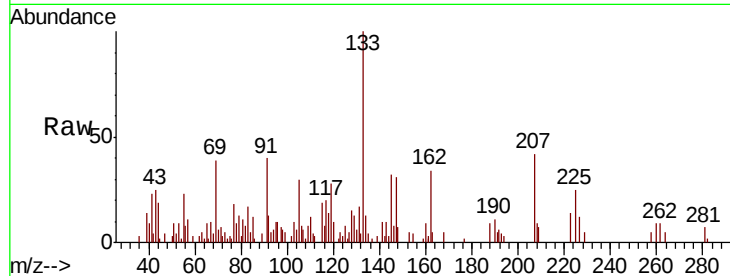




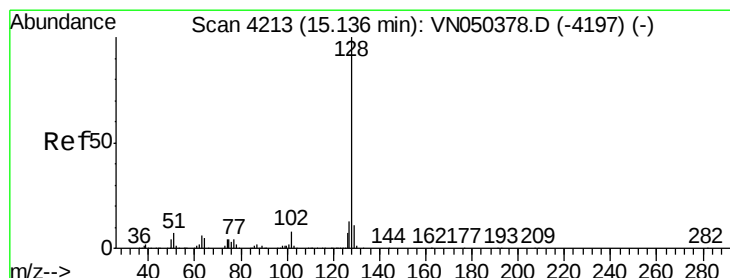
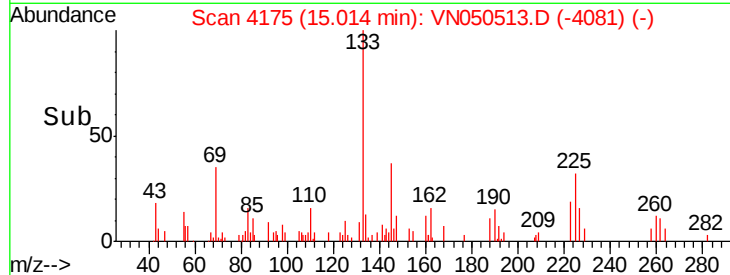
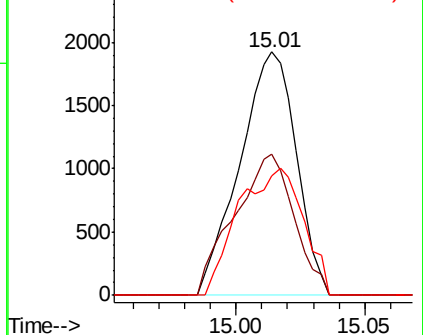
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion:225 Resp: 2939
Ion Ratio Lower Upper
225 100
223 61.0 31.4 94.2
227 60.2 32.1 96.5

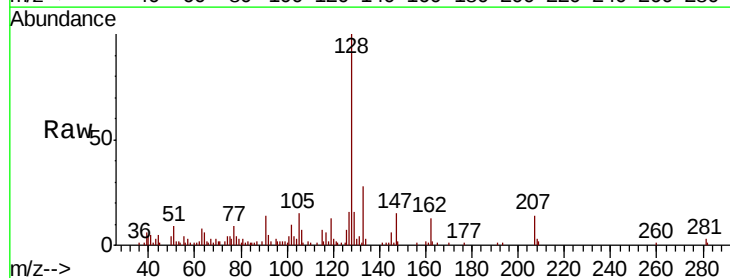


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

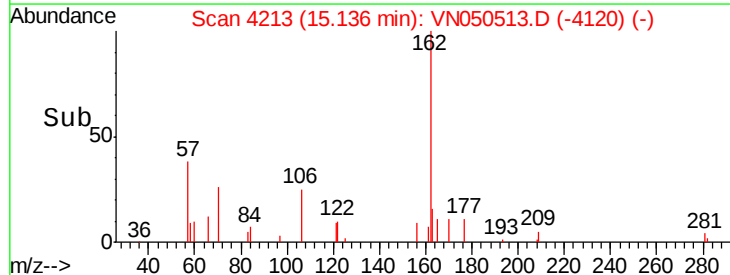
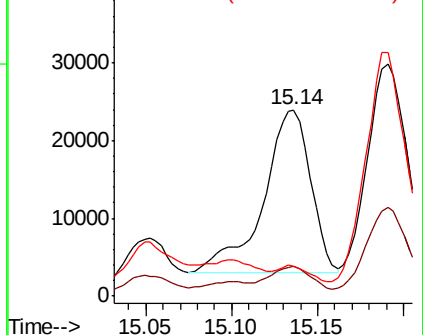


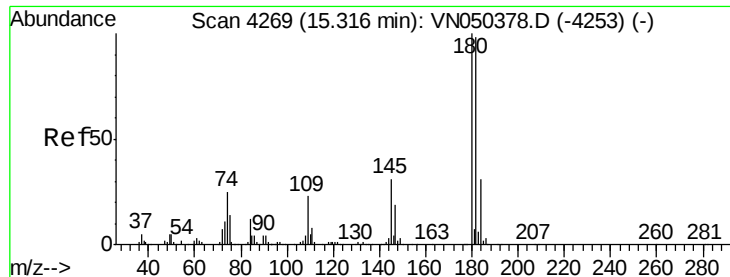
#95
Naphthalene
Concen: 5.27 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

Tgt Ion:128 Resp: 39927
Ion Ratio Lower Upper
128 100
127 11.2 10.4 15.6
129 0.0 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





#96

1,2,3-Trichlorobenzene

Concen: 0.95 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

MW-1

Tot Ion:180 Resp: 8194

Ion Ratio Lower Upper

180 100

182 102.7 48.1 144.4

145 0.0 15.3 45.9#

