

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050420\
 Data File : VN061277.D
 Acq On : 4 May 2020 14:54
 Operator : JC/MD
 Sample : L2456-03 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 03:43:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	98439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	175472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	173029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	79233	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	82050	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
35) Dibromofluoromethane	7.55	113	52189	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	10.06	98	220813	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.38	95	86008	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	

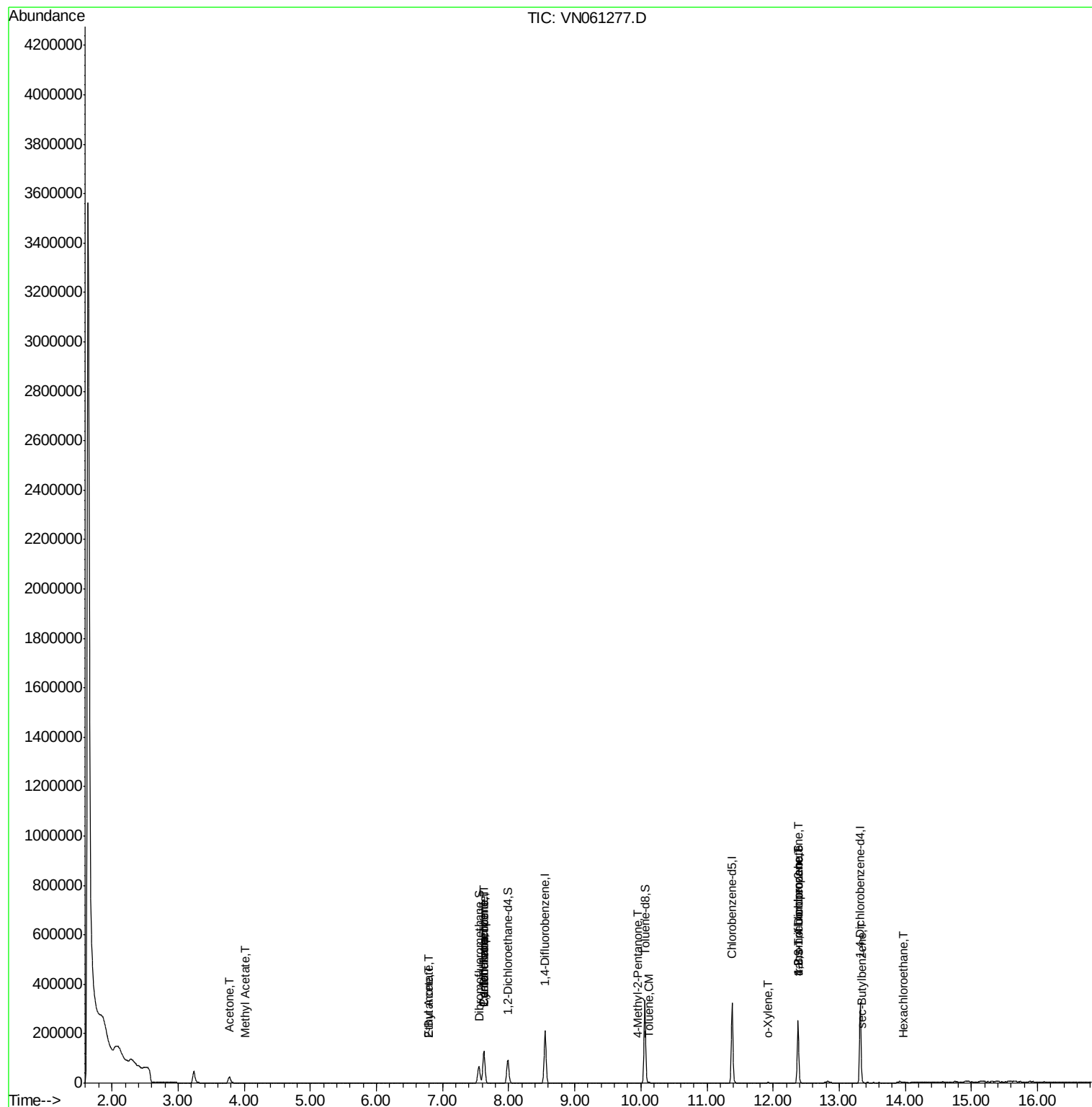
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	42141	65.886	ug/l	97
18) Methyl Acetate	4.02	43	1269	1.316	ug/l #	55
25) 2-Butanone	6.79	43	1788	1.940	ug/l #	53
31) Cyclohexane	7.63	56	2596	1.146	ug/l #	13
36) 1,1-Dichloropropene	7.63	75	8813	5.017	ug/l #	50
37) Ethyl Acetate	6.79	43	1788	0.868	ug/l #	71
38) Carbon Tetrachloride	7.63	117	10395	8.476	ug/l #	17
51) 4-Methyl-2-Pentanone	9.96	43	1016	0.505	ug/l #	60
52) Toluene	10.13	92	1171	0.371	ug/l	91
69) o-Xylene	11.92	106	881	0.390	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	46769	27.998	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	46769	71.100	ug/l #	8
85) sec-Butylbenzene	13.35	105	1469	0.265	ug/l #	58
90) Hexachloroethane	13.98	117	228	7.997	ug/l #	14

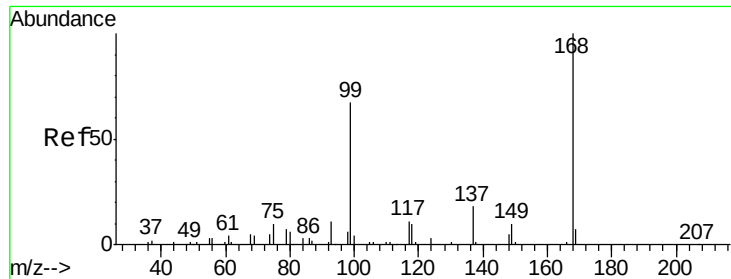
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061277.D

Acq: 4 May 2020 14:54

Instrument :

MSVOA_N

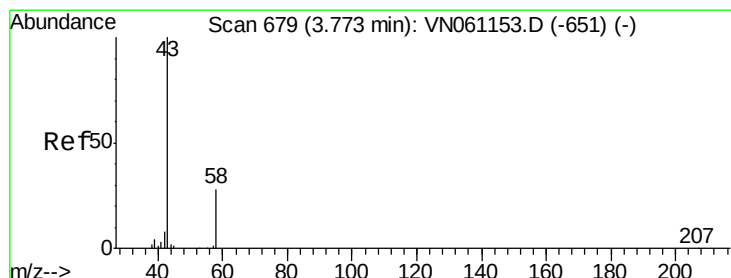
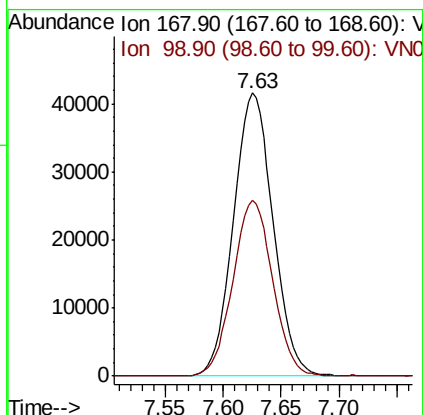
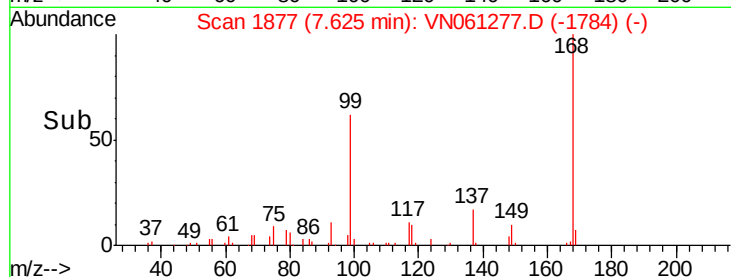
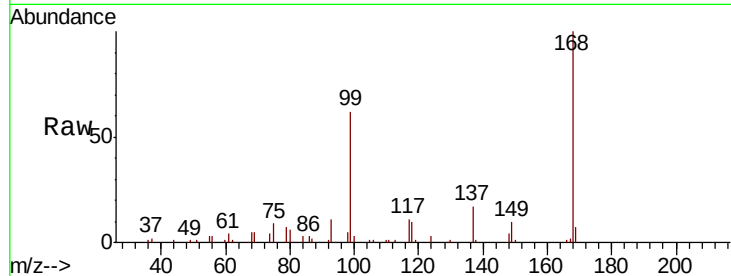
ClientSampled :

Tot Ion:168 Resp: 98439

Ion Ratio Lower Upper

168 100

99 62.0 51.2 76.8



#16

Acetone

Concen: 65.886 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061277.D

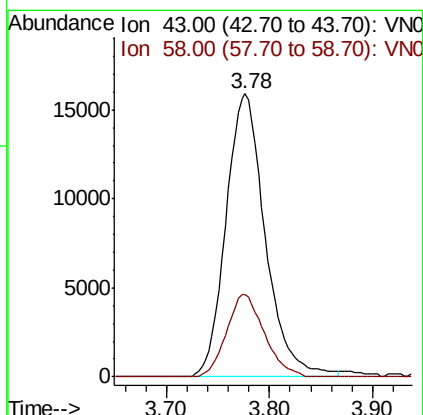
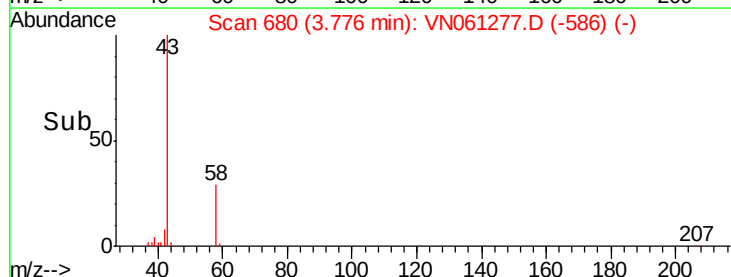
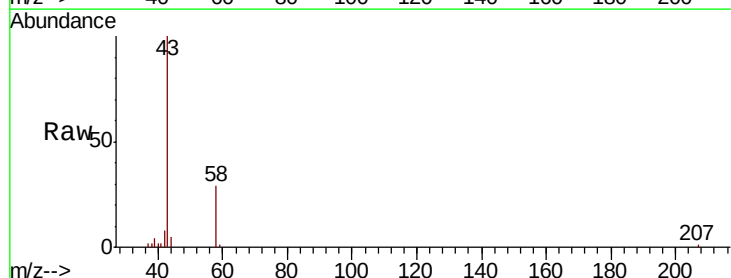
Acq: 4 May 2020 14:54

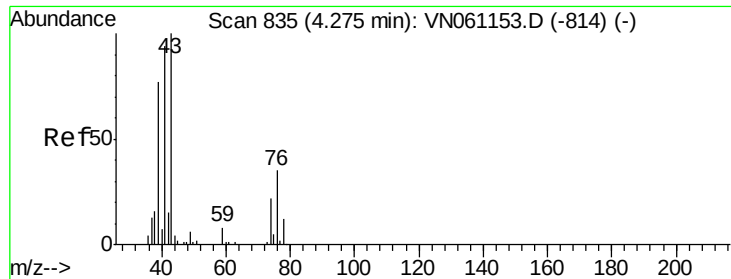
Tgt Ion: 43 Resp: 42141

Ion Ratio Lower Upper

43 100

58 29.3 22.2 33.2

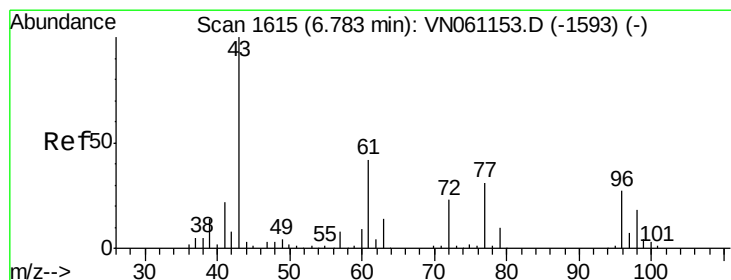
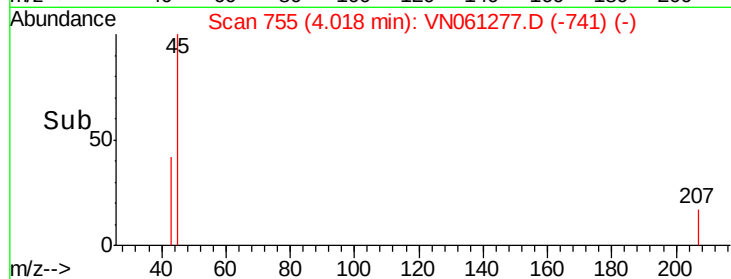
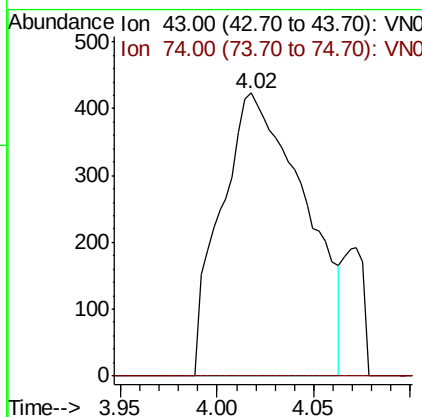
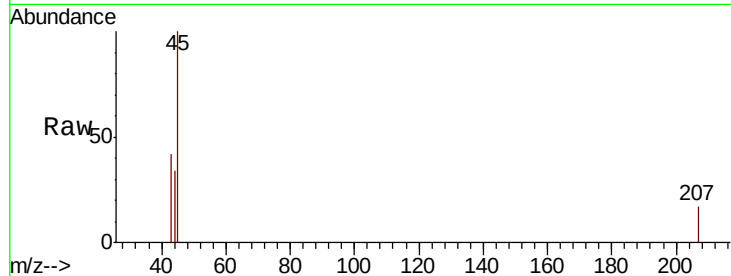




#18
Methvl Acetate
Concen: 1.316 ug/l
RT: 4.02 min Scan# 755
Delta R.T. -0.26 min
Lab File: VN061277.D
Acq: 4 May 2020 14:54

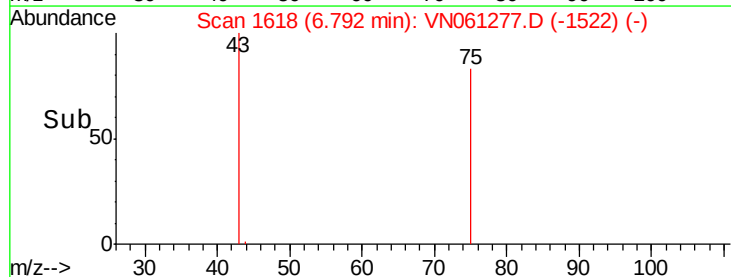
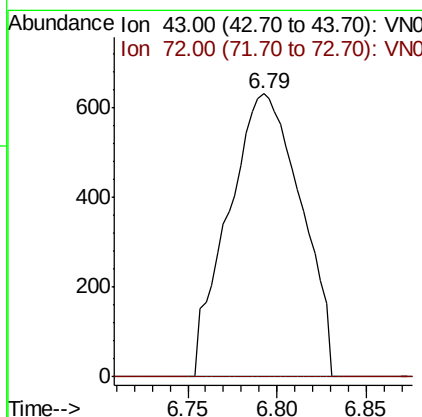
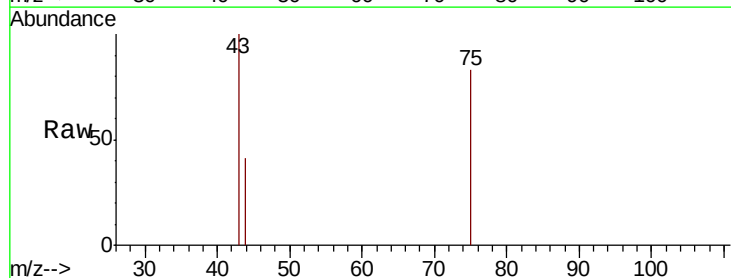
Instrument :
MSVOA_N
ClientSampled :

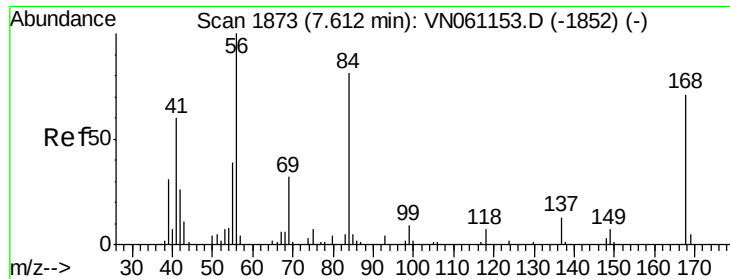
Tot Ion: 43 Resp: 1269
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#25
2-Butanone
Concen: 1.940 ug/l
RT: 6.79 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VN061277.D
Acq: 4 May 2020 14:54

Tgt Ion: 43 Resp: 1788
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#

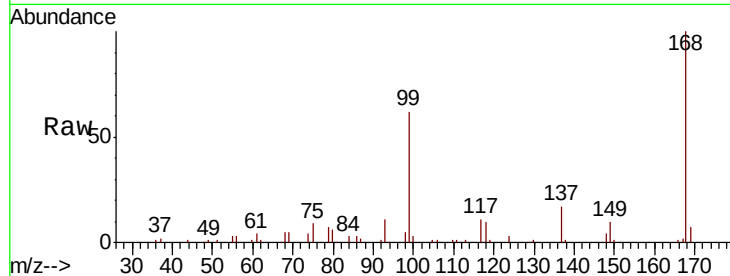




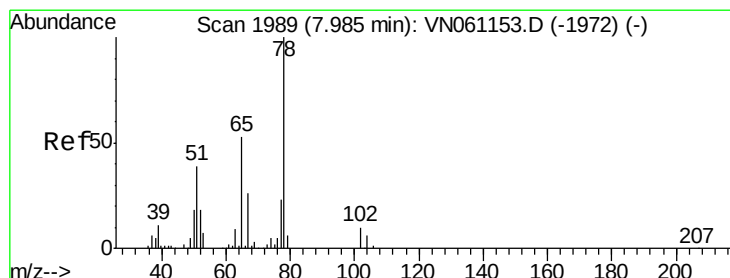
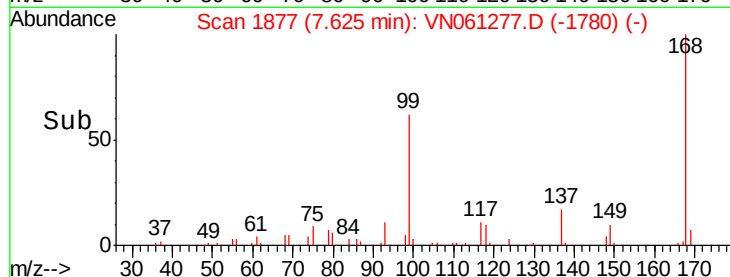
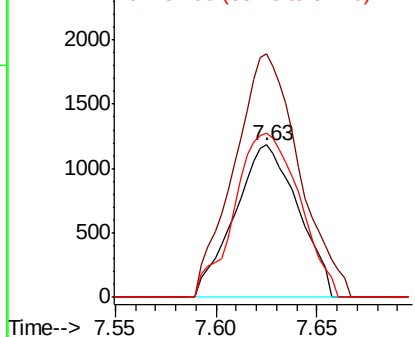
#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VN061277.D
Acq: 4 May 2020 14:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2596
Ion Ratio Lower Upper
56 100
69 160.1 25.7 38.5#
84 108.3 64.6 97.0#

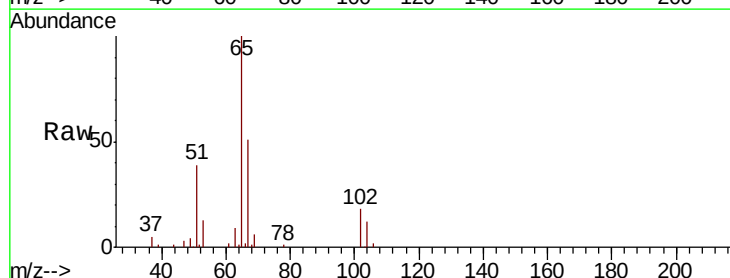


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

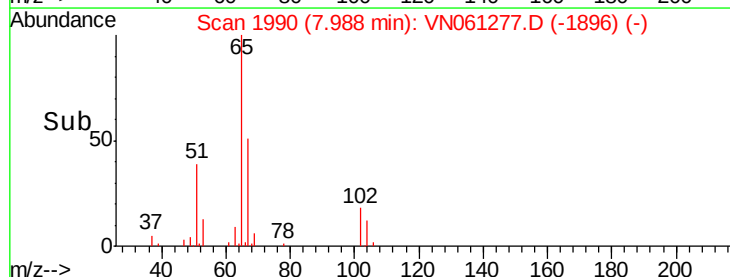
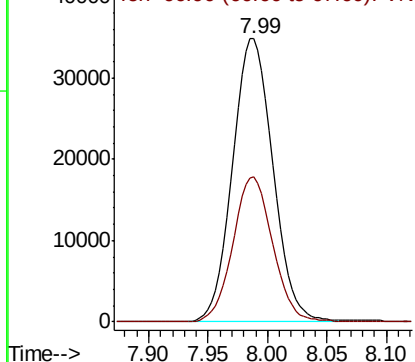


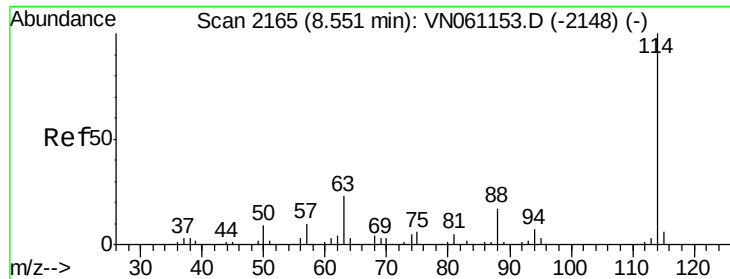
#33
1,2-Dichloroethane-d4
Concen: 52.677 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061277.D
Acq: 4 May 2020 14:54

Tgt Ion: 65 Resp: 82050
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

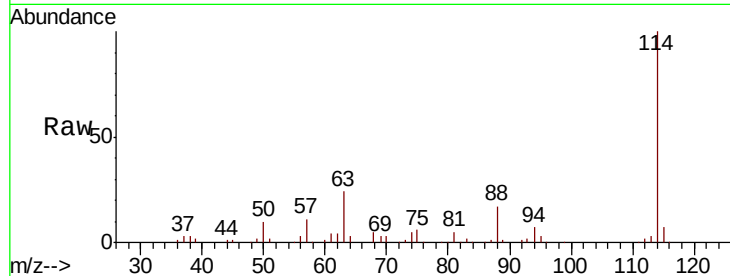




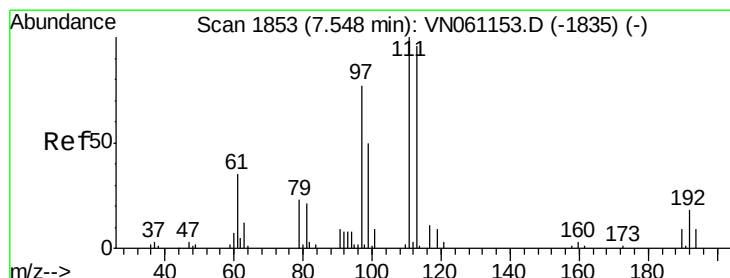
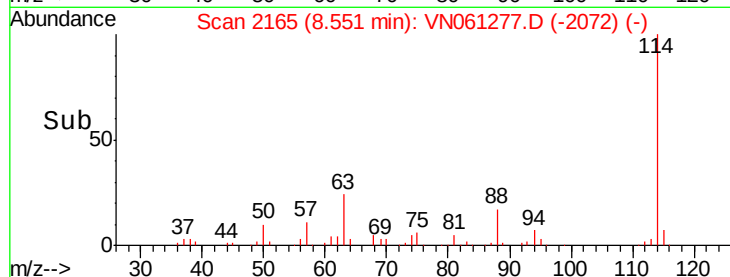
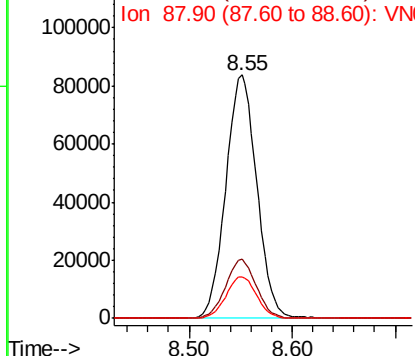
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061277.D
 Acq: 4 May 2020 14:54

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 175472
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 46.6
 88 17.2 0.0 33.4

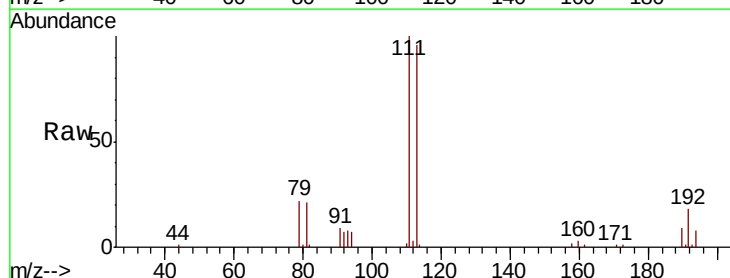


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

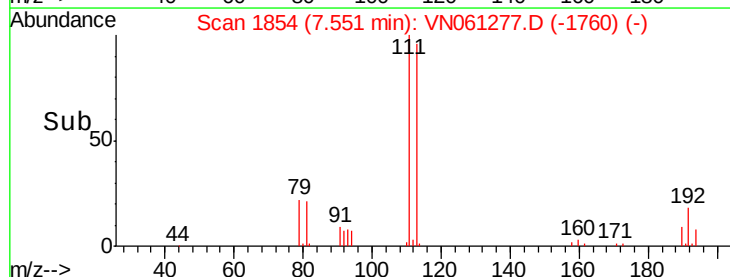
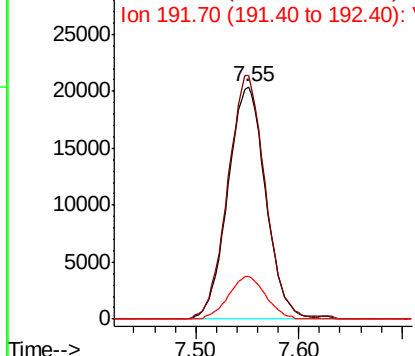


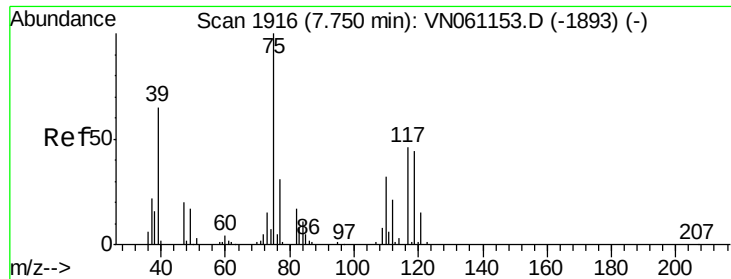
#35
 Dibromofluoromethane
 Concen: 50.297 ug/l
 RT: 7.55 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VN061277.D
 Acq: 4 May 2020 14:54

Tgt Ion:113 Resp: 52189
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 17.9 14.7 22.1



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

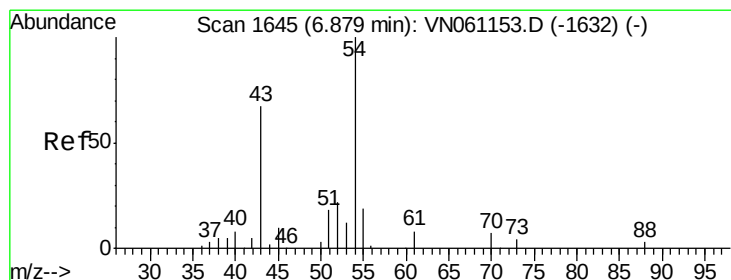
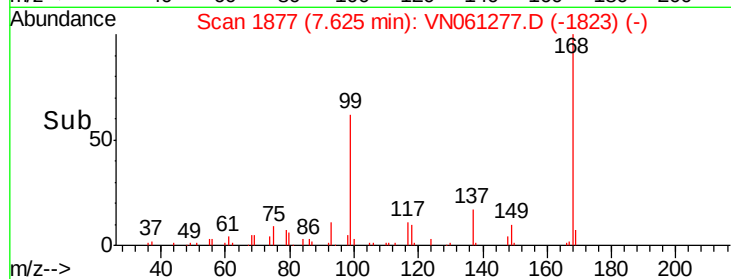
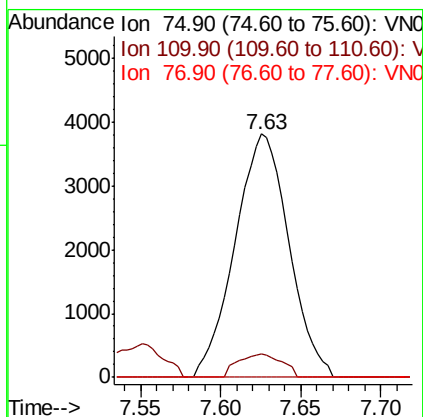
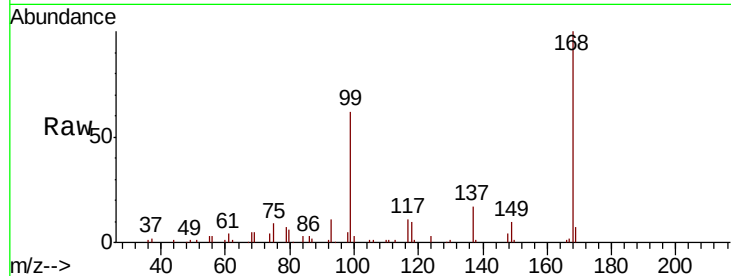




#36
 1,1-Dichloropropene
 Concen: 5.017 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061277.D
 Acq: 4 May 2020 14:54

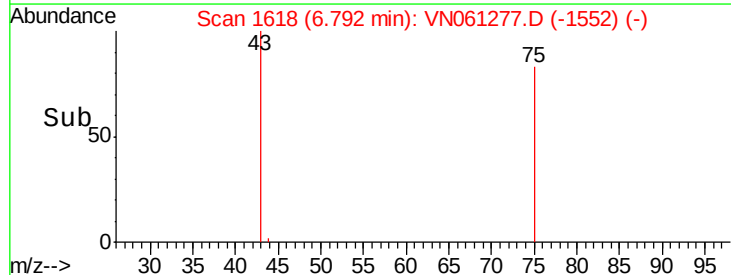
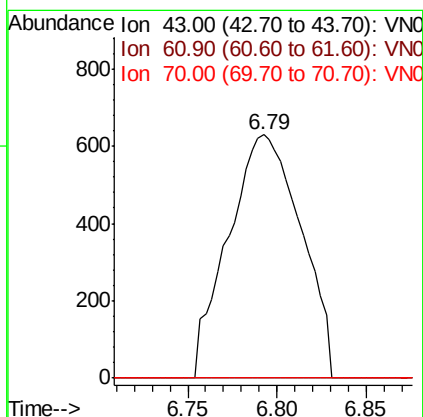
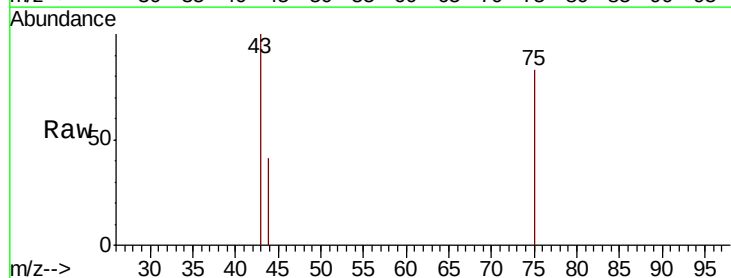
Instrument :
 MSVOA_N
 ClientSampled :

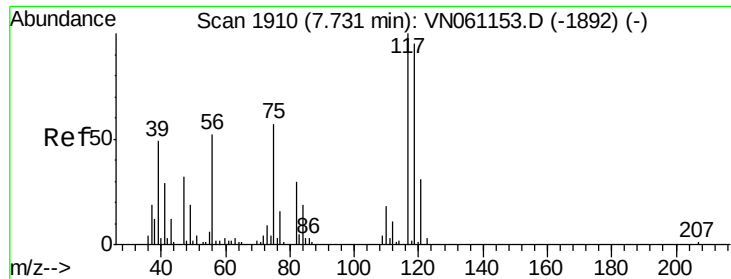
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.0	48.0#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 0.868 ug/l
 RT: 6.79 min Scan# 1618
 Delta R.T. -0.09 min
 Lab File: VN061277.D
 Acq: 4 May 2020 14:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.2	15.2#
70	0.0	7.2	10.8#





#38

Carbon Tetrachloride

Concen: 8.476 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. -0.10 min

Lab File: VN061277.D

Acq: 4 May 2020 14:54

Instrument :

MSVOA_N

ClientSampled :

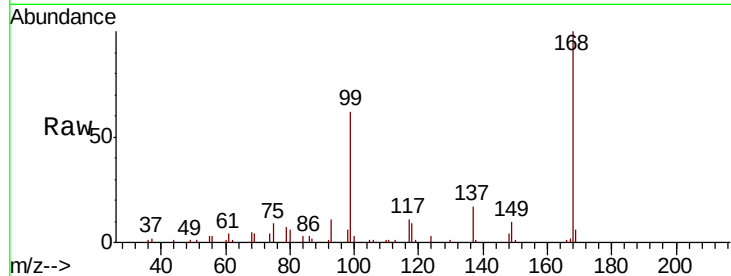
Tot Ion:117 Resp: 10395

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.6#

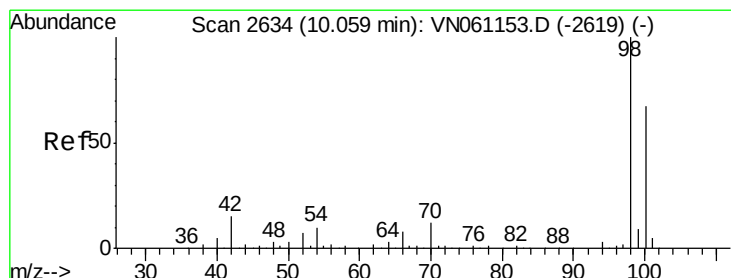
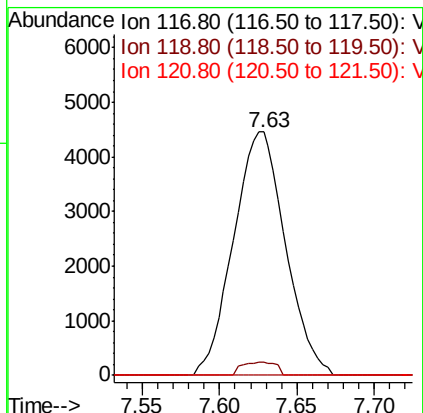
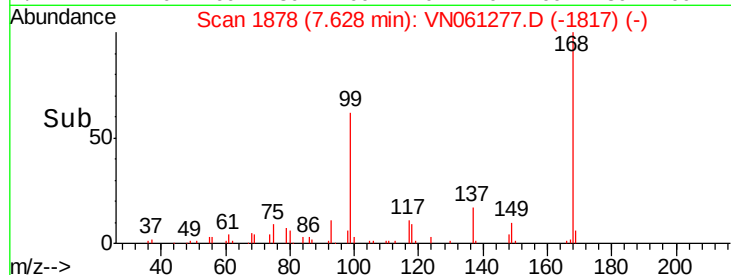
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.204 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061277.D

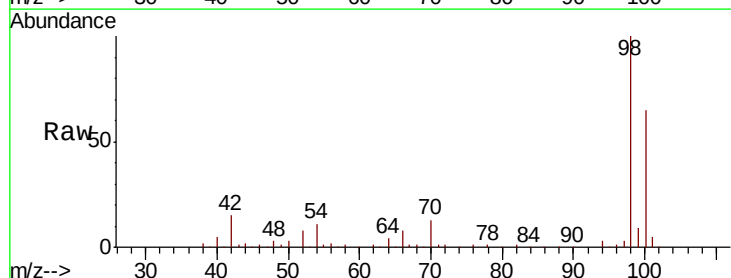
Acq: 4 May 2020 14:54

Tgt Ion: 98 Resp: 220813

Ion Ratio Lower Upper

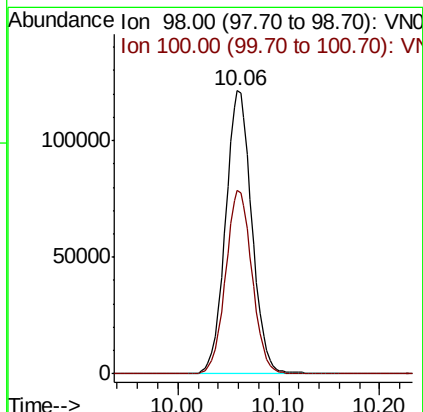
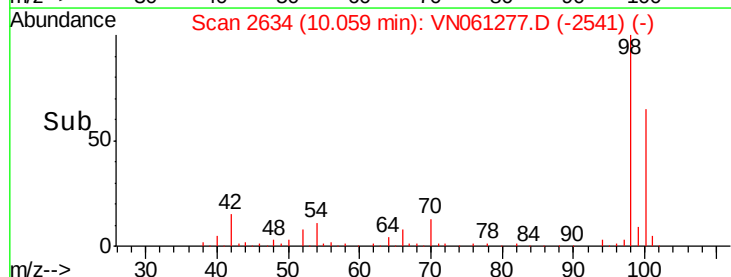
98 100

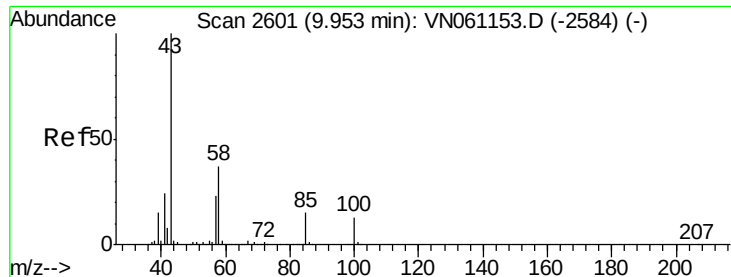
100 65.0 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

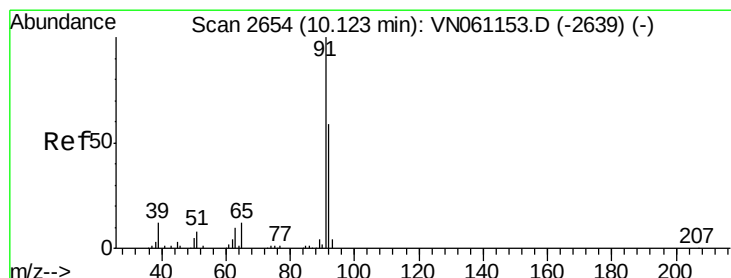
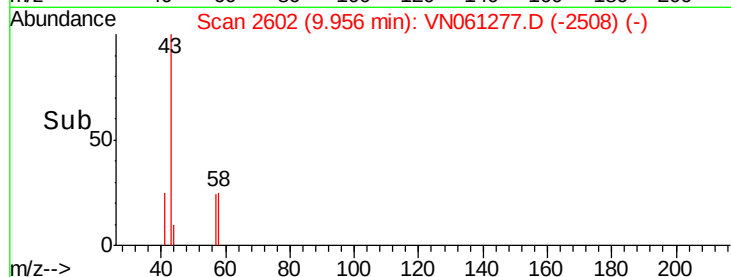
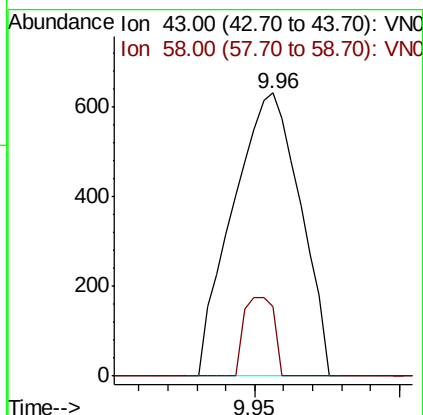
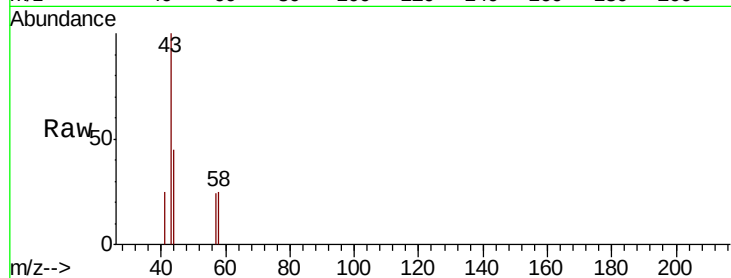




#51
 4-Methyl-2-Pentanone
 Concen: 0.505 ug/l
 RT: 9.96 min Scan# 2602
 Delta R.T. 0.00 min
 Lab File: VN061277.D
 Acq: 4 May 2020 14:54

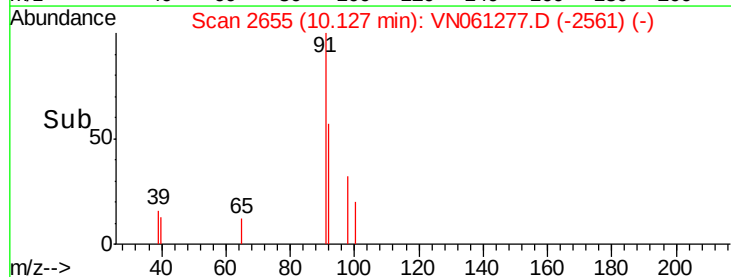
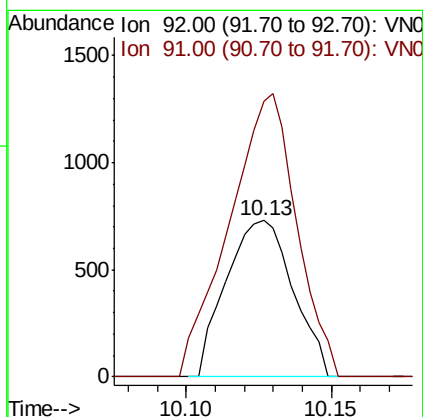
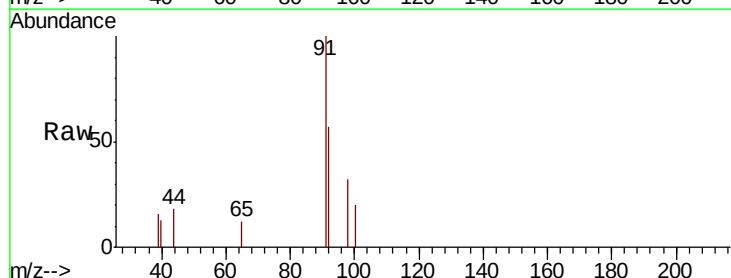
Instrument :
 MSVOA_N
 ClientSampled :

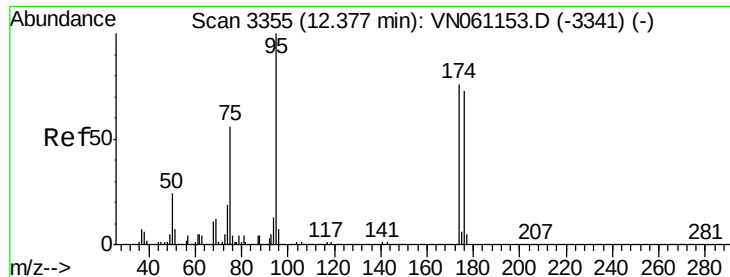
Tot Ion: 43 Resp: 1016
 Ion Ratio Lower Upper
 43 100
 58 12.5 29.1 43.7#



#52
 Toluene
 Concen: 0.371 ug/l
 RT: 10.13 min Scan# 2655
 Delta R.T. 0.00 min
 Lab File: VN061277.D
 Acq: 4 May 2020 14:54

Tgt Ion: 92 Resp: 1171
 Ion Ratio Lower Upper
 92 100
 91 182.2 136.2 204.2

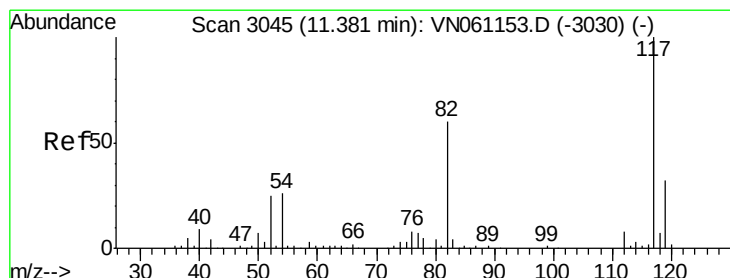
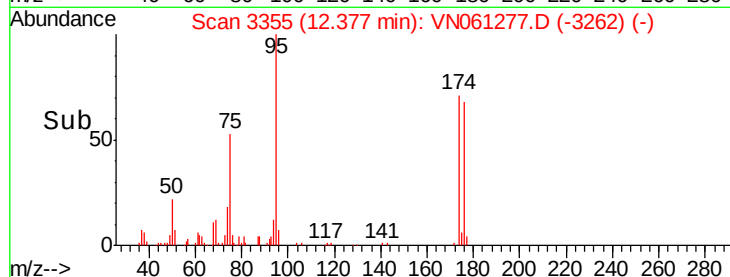
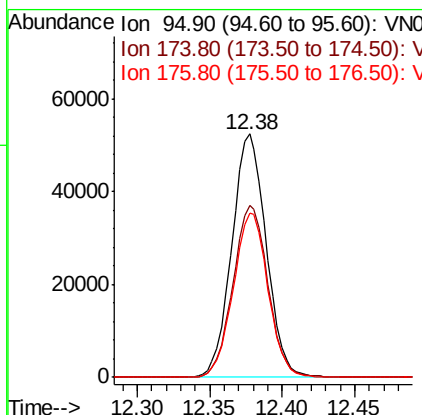
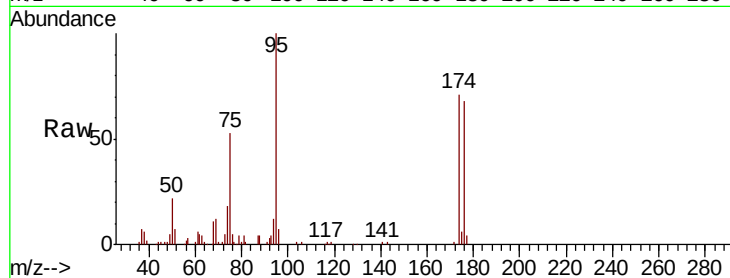




#62
4-Bromofluorobenzene
Concen: 54.033 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061277.D
Acq: 4 May 2020 14:54

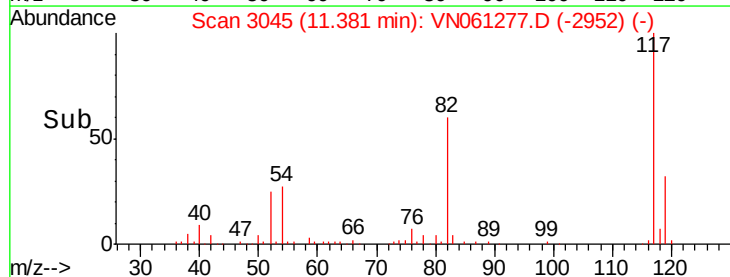
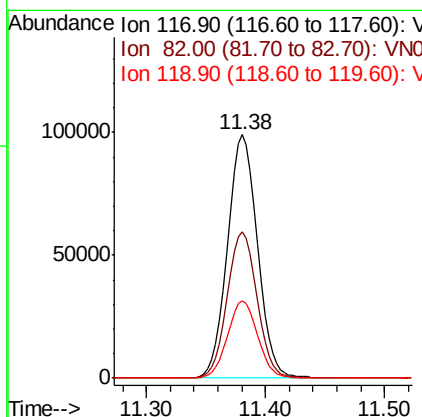
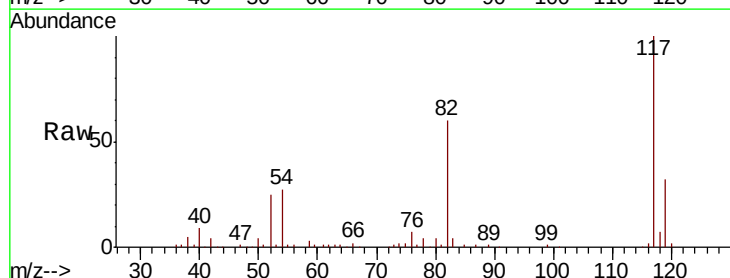
Instrument :
MSVOA_N
ClientSampleId :

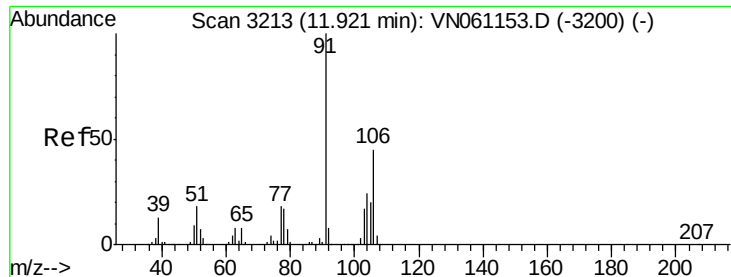
Tot Ion	95	Resp	86008
Ion Ratio	Lower	Upper	
95	100		
174	71.9	0.0	149.4
176	68.3	0.0	144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061277.D
Acq: 4 May 2020 14:54

Tgt Ion	117	Resp	173029
Ion Ratio	Lower	Upper	
117	100		
82	60.3	47.8	71.8
119	32.0	25.8	38.6

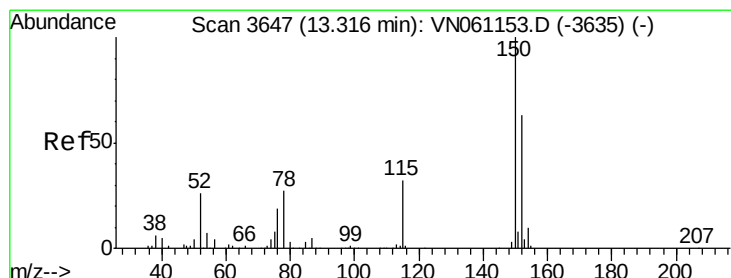
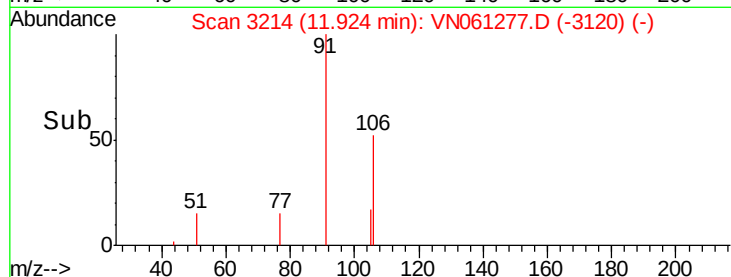
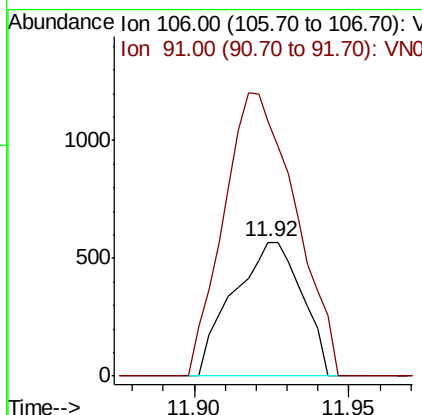
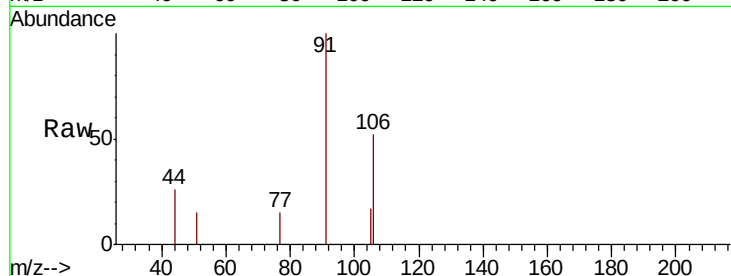




#69
o-Xylene
Concen: 0.390 ug/l
RT: 11.92 min Scan# 3214
Delta R.T. 0.00 min
Lab File: VN061277.D
Acq: 4 May 2020 14:54

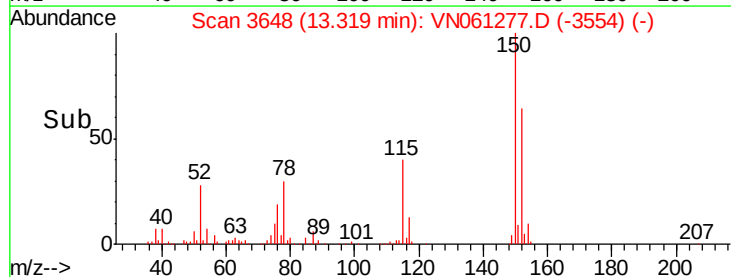
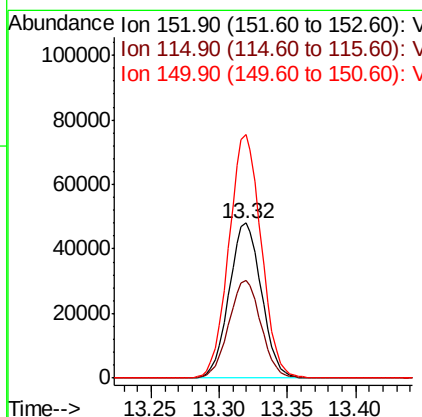
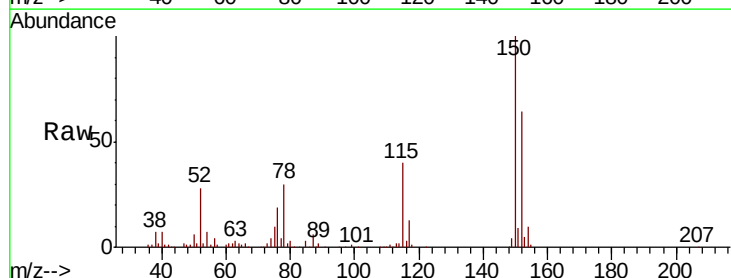
Instrument :
MSVOA_N
ClientSampled :

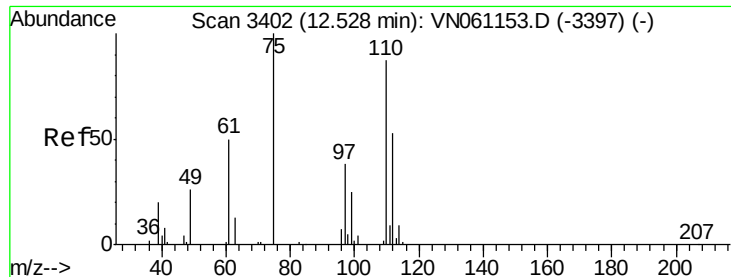
Tot Ion:106 Resp: 881
Ion Ratio Lower Upper
106 100
91 220.3 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061277.D
Acq: 4 May 2020 14:54

Tgt Ion:152 Resp: 79233
Ion Ratio Lower Upper
152 100
115 62.7 31.0 93.0
150 156.7 0.0 351.8





#76

1,2,3-Trichloropropane

Concen: 27.998 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061277.D

Acq: 4 May 2020 14:54

Instrument :

MSVOA_N

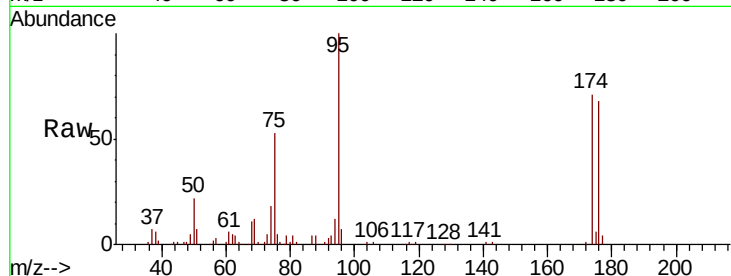
ClientSampled :

Tot Ion: 75 Resp: 46769

Ion Ratio Lower Upper

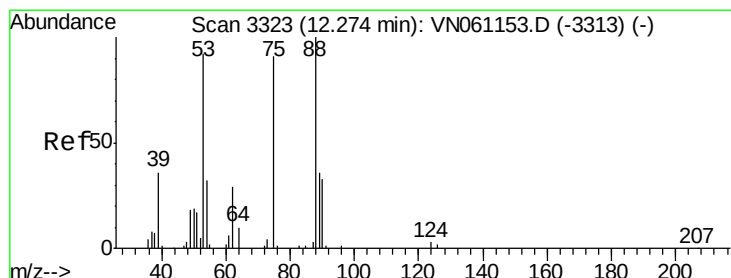
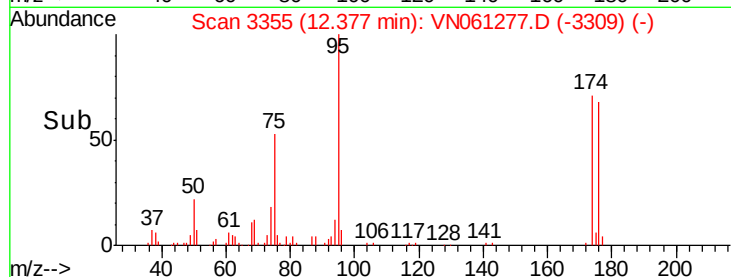
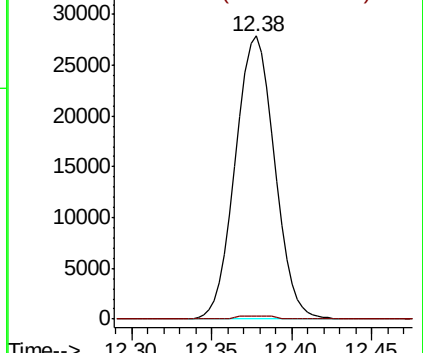
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 71.100 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061277.D

Acq: 4 May 2020 14:54

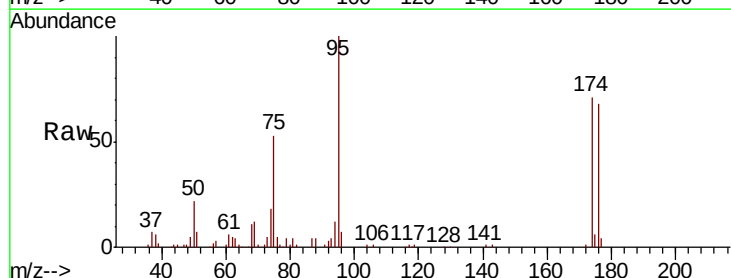
Tgt Ion: 75 Resp: 46769

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

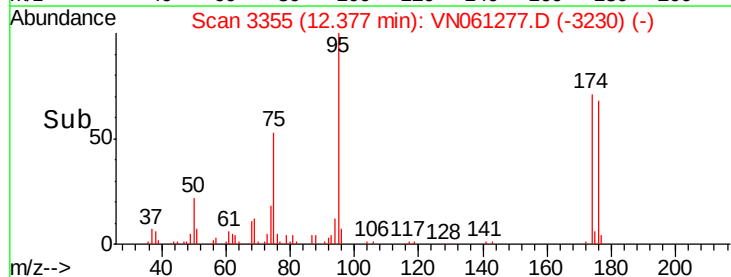
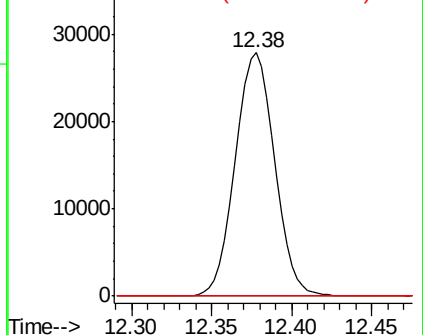
89 0.0 35.2 52.8#

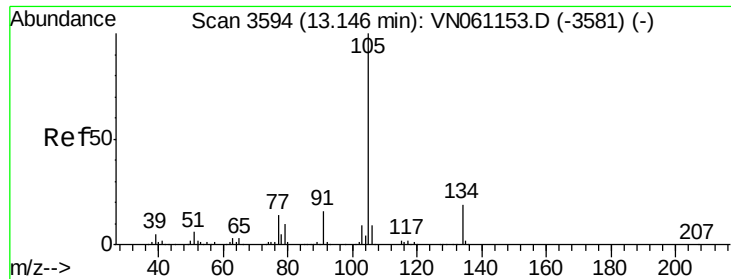


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#85

sec-Butylbenzene

Concen: 0.265 ug/l

RT: 13.35 min Scan# 3658

Delta R.T. 0.21 min

Lab File: VN061277.D

Acq: 4 May 2020 14:54

Instrument :

MSVOA_N

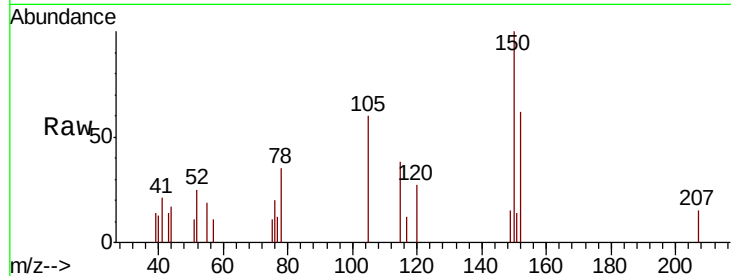
ClientSampled :

Tot Ion:105 Resp: 1469

Ion Ratio Lower Upper

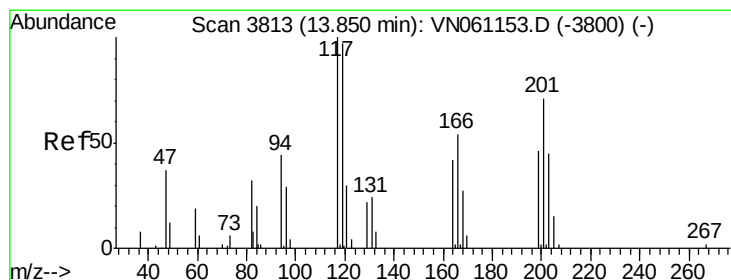
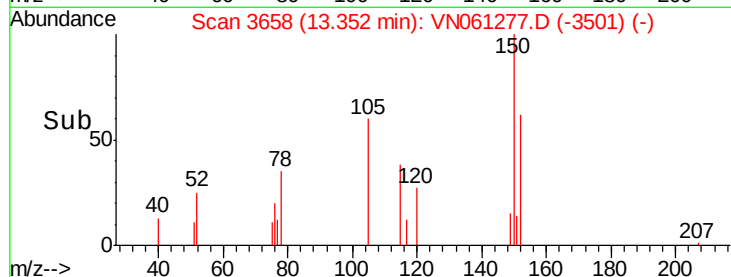
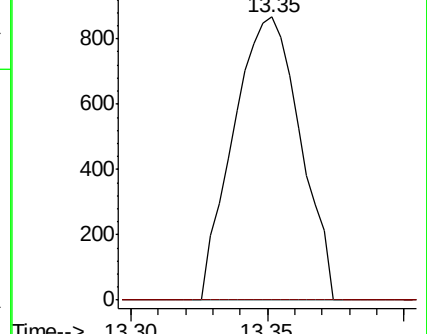
105 100

134 0.0 9.6 28.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 7.997 ug/l

RT: 13.98 min Scan# 3853

Delta R.T. 0.13 min

Lab File: VN061277.D

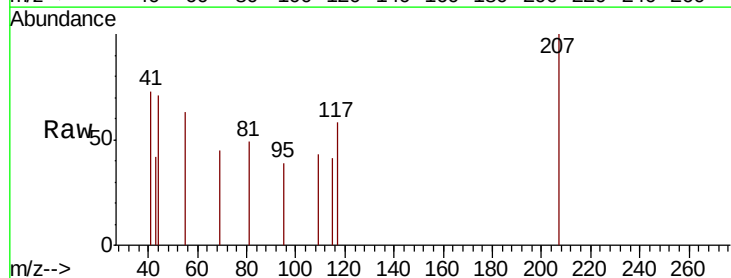
Acq: 4 May 2020 14:54

Tgt Ion:117 Resp: 228

Ion Ratio Lower Upper

117 100

201 0.0 35.5 106.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

