

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050420\
 Data File : VN061269.D
 Acq On : 4 May 2020 11:26
 Operator : JC/MD
 Sample : VN0504WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 03:40:51 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	7.62	168	99309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	174727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	163281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	65095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	79210	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	7.54	113	51297	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
50) Toluene-d8	10.06	98	218902	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.37	95	76561	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	

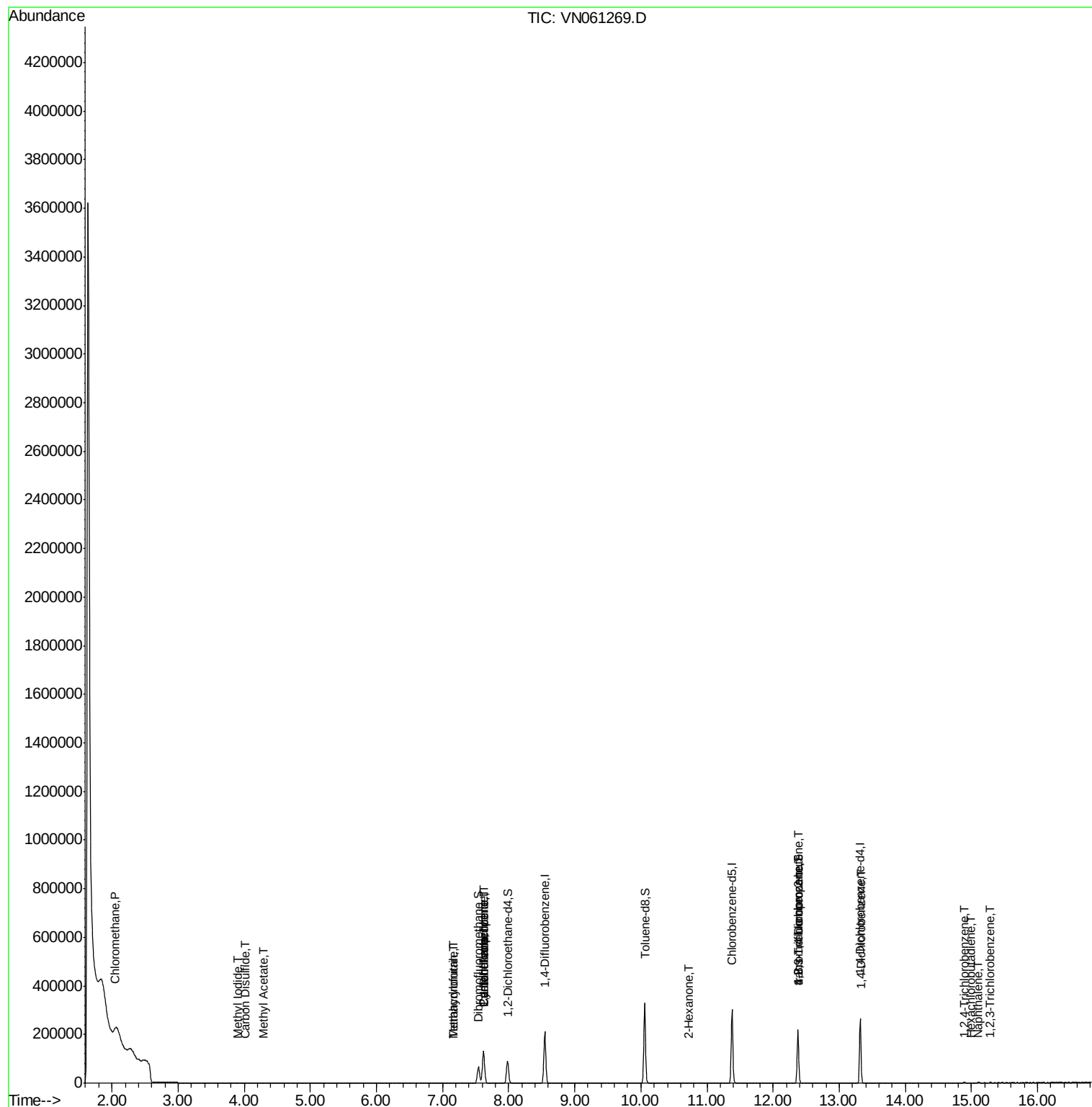
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	746	0.585	ug/l	97
10) Methyl Iodide	3.90	142	343	0.253	ug/l #	38
16) Acetone	3.78	43	1547	Below Cal	#	47
17) Carbon Disulfide	4.01	76	706	0.244	ug/l #	75
18) Methyl Acetate	4.28	43	159	0.758	ug/l #	55
29) Tetrahydrofuran	7.16	42	512	0.817	ug/l #	37
31) Cyclohexane	7.62	56	2642	1.156	ug/l #	5
36) 1,1-Dichloropropene	7.62	75	8893	5.084	ug/l #	50
38) Carbon Tetrachloride	7.62	117	10840	8.769	ug/l #	17
41) Methacrylonitrile	7.17	41	228	0.268	ug/l #	100
59) 2-Hexanone	10.72	43	519	0.356	ug/l	65
76) 1,2,3-Trichloropropane	12.37	75	42276	30.805	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	42276	78.229	ug/l #	8
88) 1,4-Dichlorobenzene	13.34	146	500	0.241	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.89	180	651	0.548	ug/l #	78
94) Hexachlorobutadiene	14.99	225	257	0.518	ug/l #	18
95) Naphthalene	15.11	128	2428	0.628	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.28	180	747	0.637	ug/l #	82

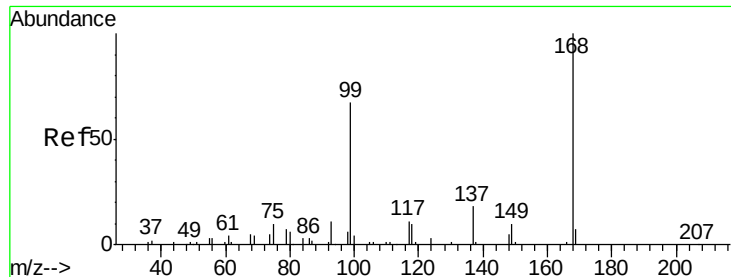
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061269.D

Acq: 4 May 2020 11:26

Instrument :

MSVOA_N

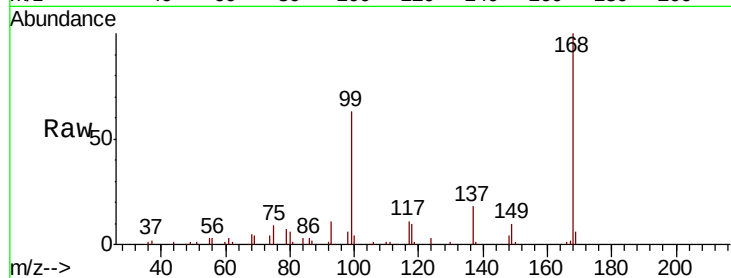
ClientSampled :

Tot Ion:168 Resp: 99309

Ion Ratio Lower Upper

168 100

99 63.0 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): VN061269.D (-168) (-)

Ion 98.90 (98.60 to 99.60): VN061269.D (-99) (-)

7.62

40000

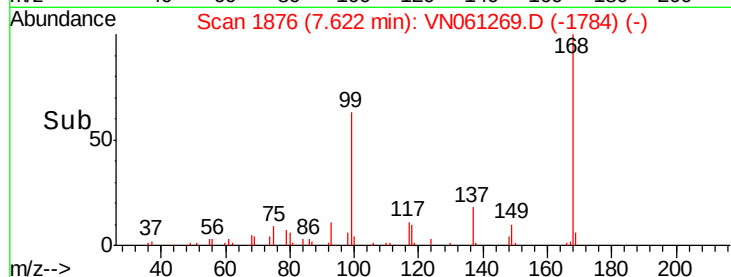
30000

20000

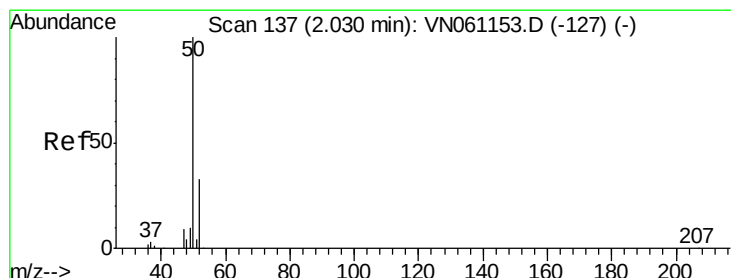
10000

0

Time--> 7.50 7.60 7.70



Scan 1876 (7.622 min): VN061269.D (-1784) (-)



Scan 137 (2.030 min): VN061153.D (-127) (-)

#3

Chloromethane

Concen: 0.585 ug/l

RT: 2.03 min Scan# 138

Delta R.T. 0.00 min

Lab File: VN061269.D

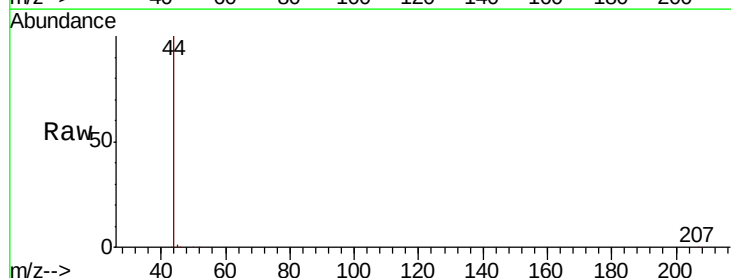
Acq: 4 May 2020 11:26

Tgt Ion: 50 Resp: 746

Ion Ratio Lower Upper

50 100

52 34.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN061269.D (-50) (-)

Ion 51.90 (51.60 to 52.60): VN061269.D (-52) (-)

2.03

500

400

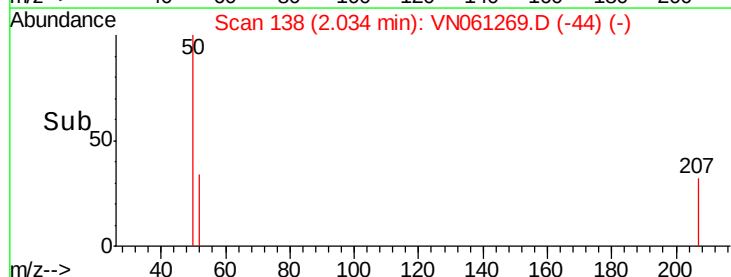
300

200

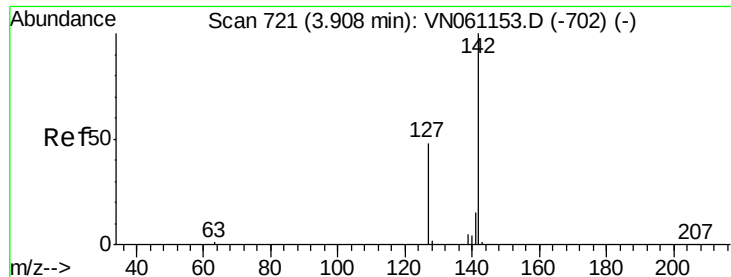
100

0

Time--> 2.00 2.05



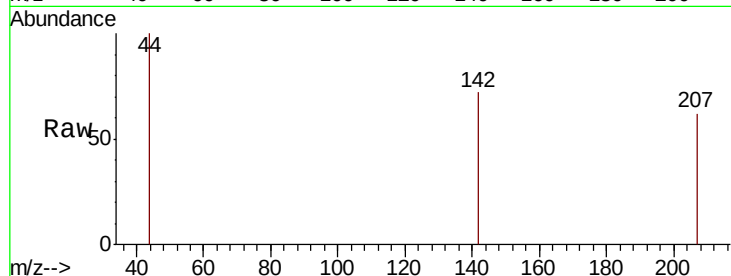
Scan 138 (2.034 min): VN061269.D (-44) (-)



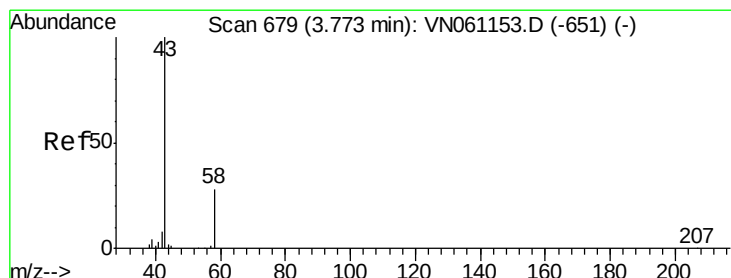
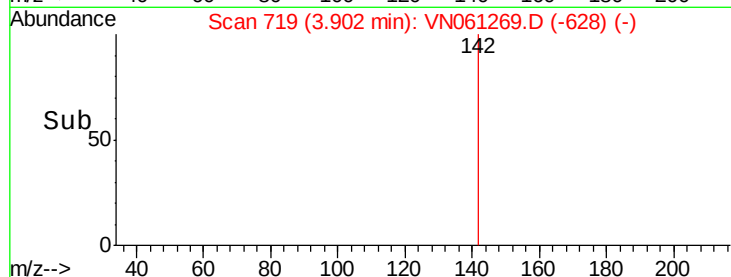
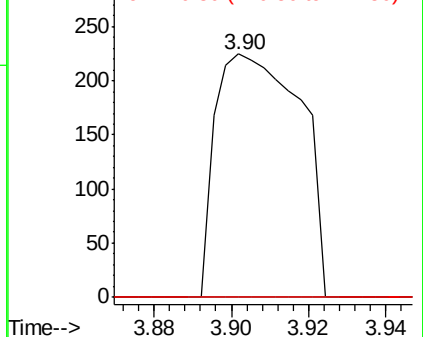
#10
Methvl Iodide
Concen: 0.253 ug/l
RT: 3.90 min Scan# 719
Delta R.T. -0.01 min
Lab File: VN061269.D
Acq: 4 May 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:142 Resp: 343
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 11.7 17.5#

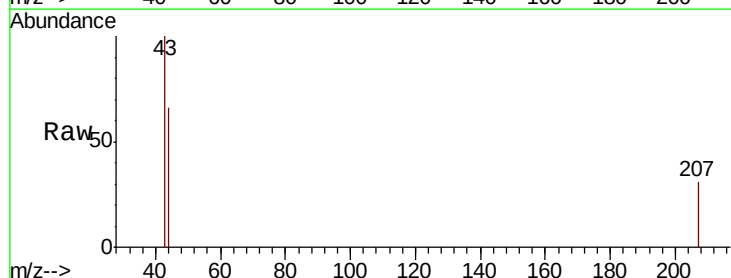


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

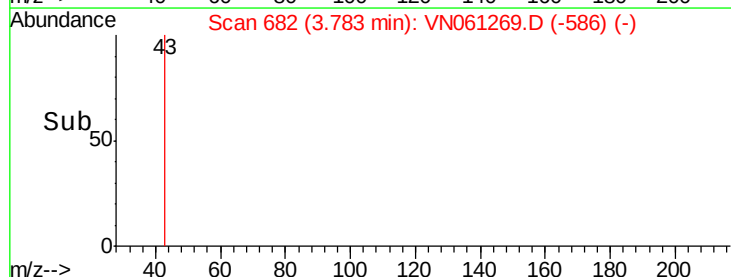
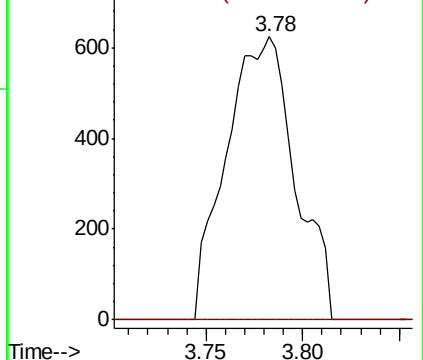


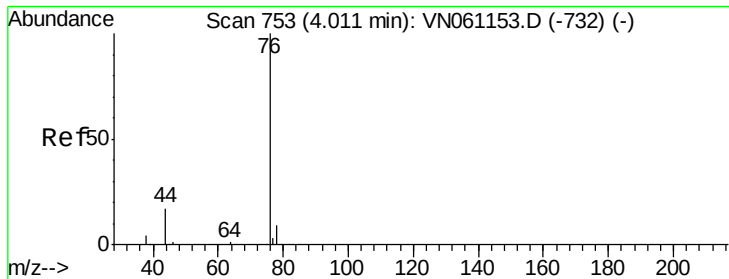
#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 682
Delta R.T. 0.01 min
Lab File: VN061269.D
Acq: 4 May 2020 11:26

Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
58 0.0 22.2 33.2#



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





#17

Carbon Disulfide

Concen: 0.244 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061269.D

Acq: 4 May 2020 11:26

Instrument :

MSVOA_N

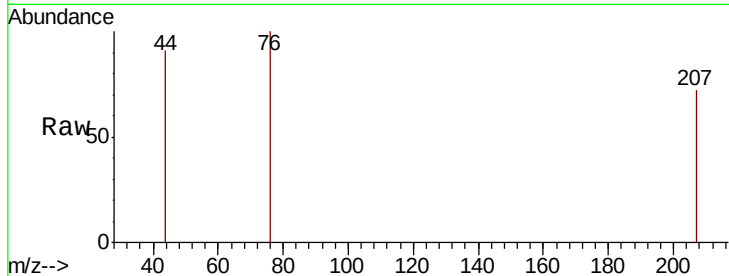
ClientSampled :

Tot Ion: 76 Resp: 706

Ion Ratio Lower Upper

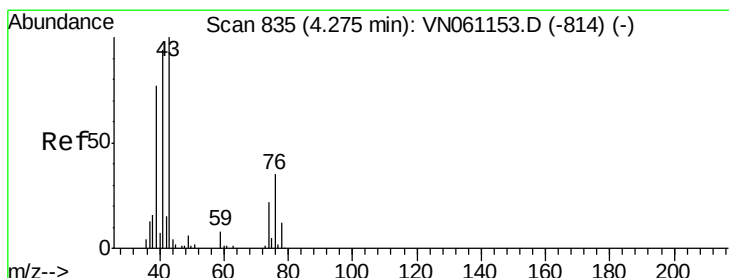
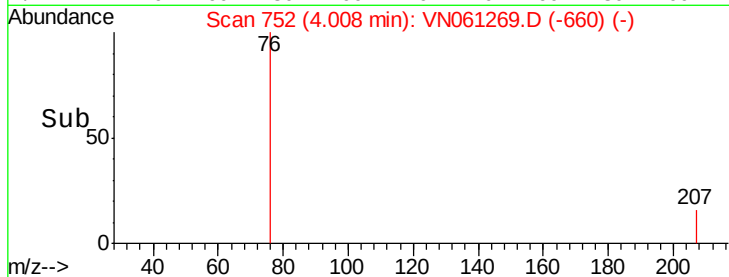
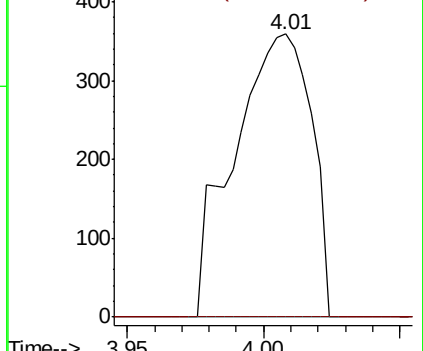
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.758 ug/l

RT: 4.28 min Scan# 838

Delta R.T. 0.01 min

Lab File: VN061269.D

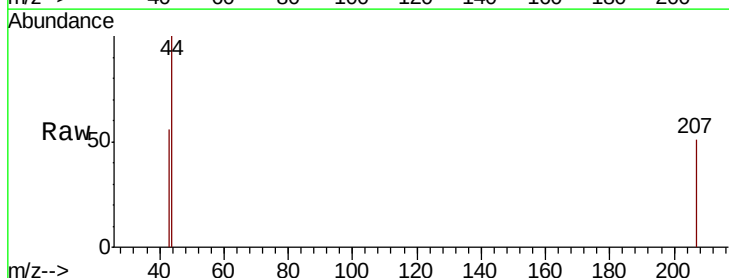
Acq: 4 May 2020 11:26

Tgt Ion: 43 Resp: 159

Ion Ratio Lower Upper

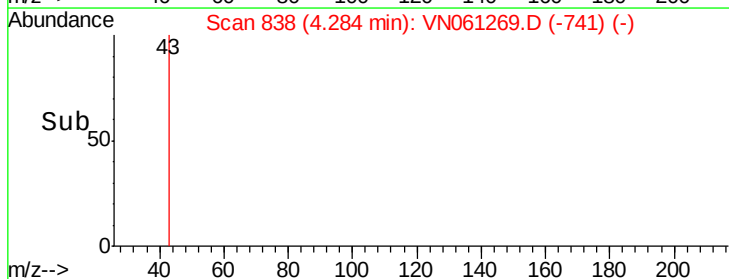
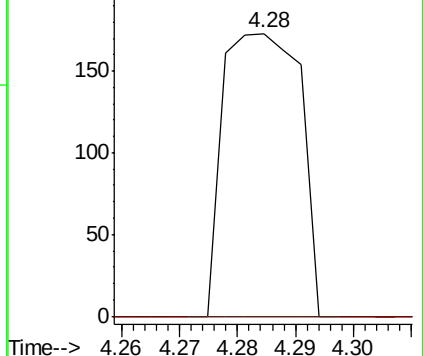
43 100

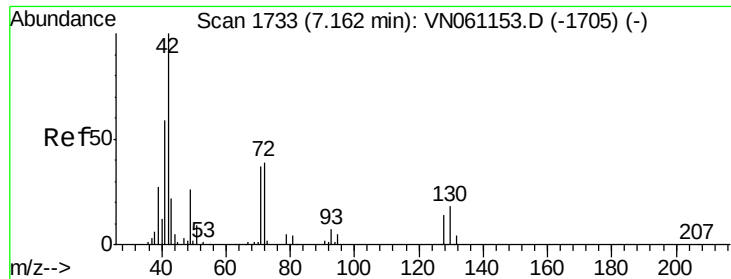
74 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

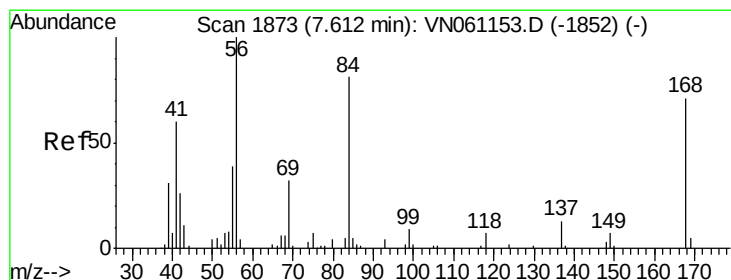
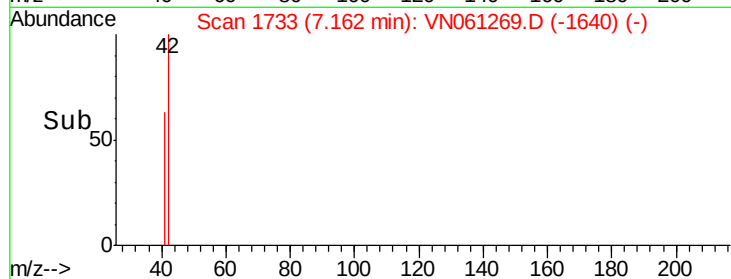
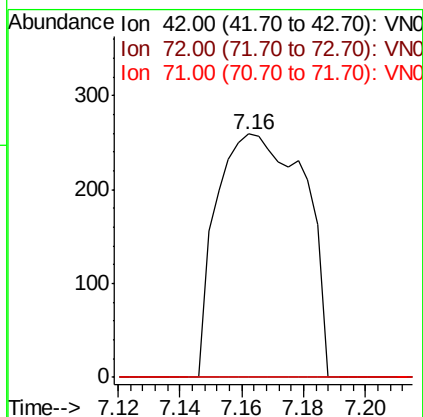
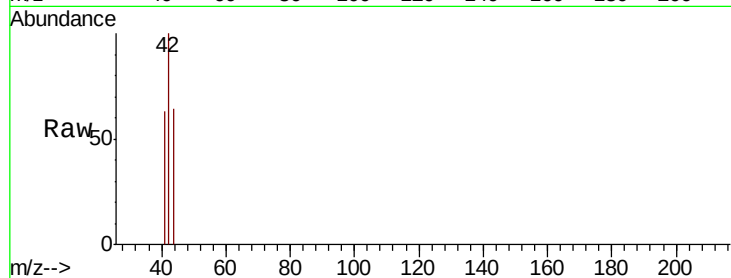




#29
Tetrahydrofuran
Concen: 0.817 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061269.D
Acq: 4 May 2020 11:26

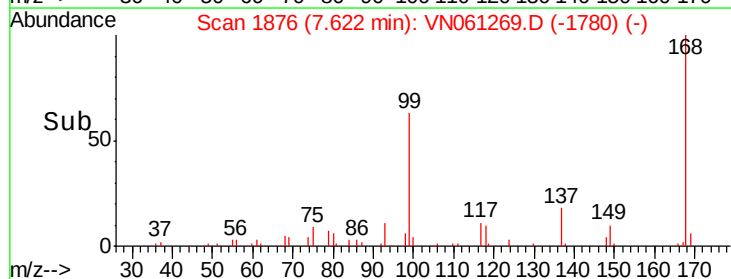
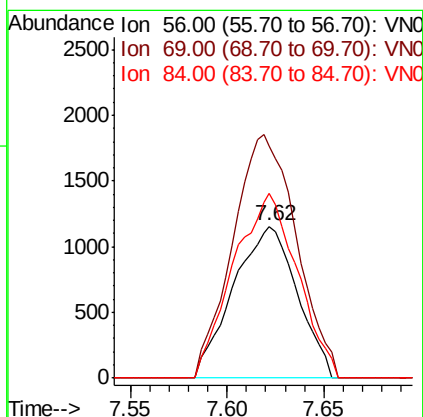
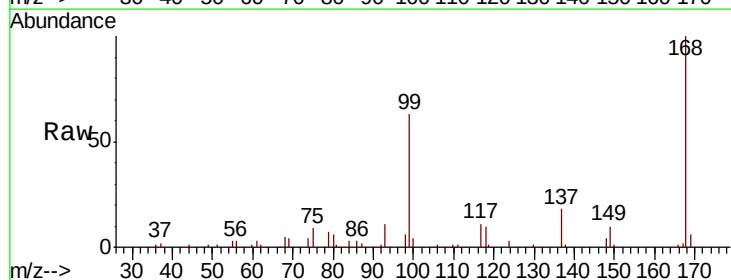
Instrument :
MSVOA_N
ClientSampleId :

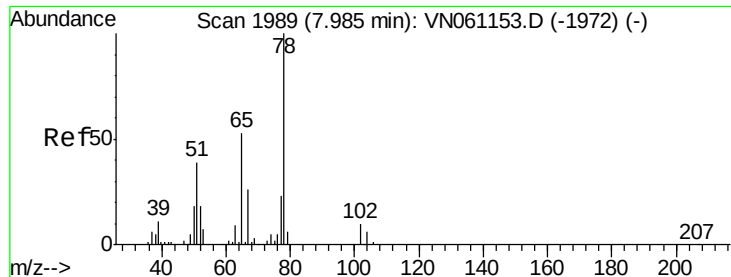
Tot Ion: 42 Resp: 512
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 0.0 29.5 44.3#



#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061269.D
Acq: 4 May 2020 11:26

Tgt Ion: 56 Resp: 2642
Ion Ratio Lower Upper
56 100
69 153.2 25.7 38.5#
84 121.5 64.6 97.0#

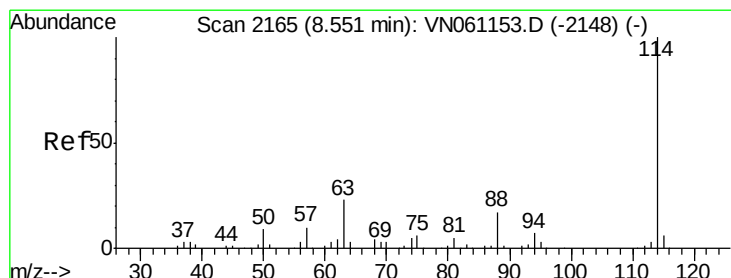
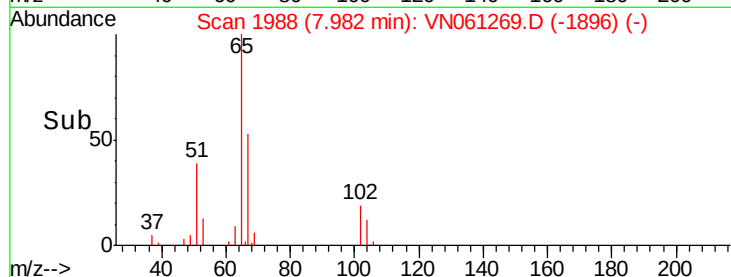
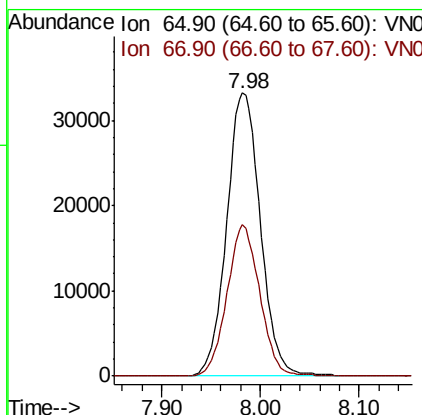
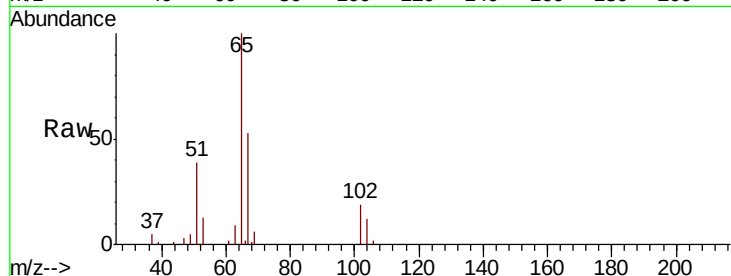




#33
 1,2-Dichloroethane-d4
 Concen: 50.408 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061269.D
 Acq: 4 May 2020 11:26

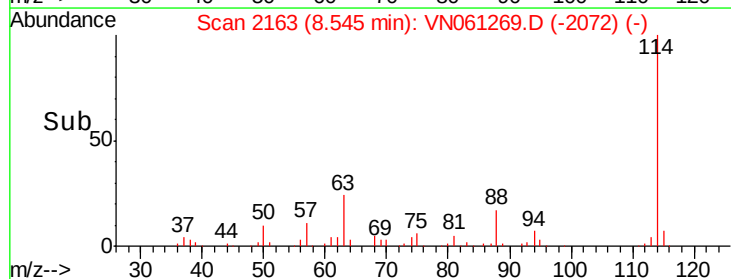
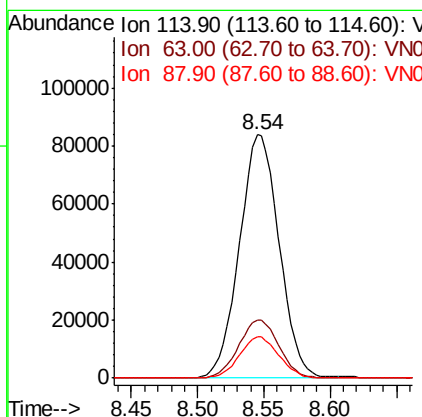
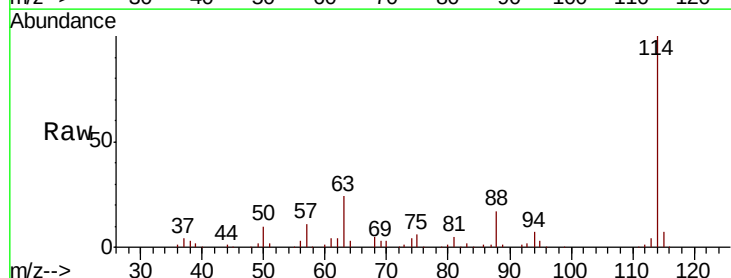
Instrument :
 MSVOA_N
 ClientSampleId :

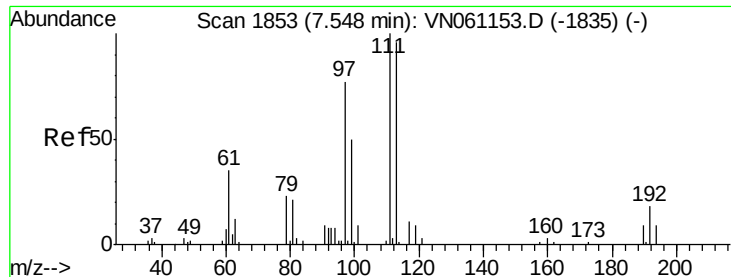
Tot Ion: 65 Resp: 79210
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: VN061269.D
 Acq: 4 May 2020 11:26

Tgt Ion: 114 Resp: 174727
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.6
 88 16.9 0.0 33.4

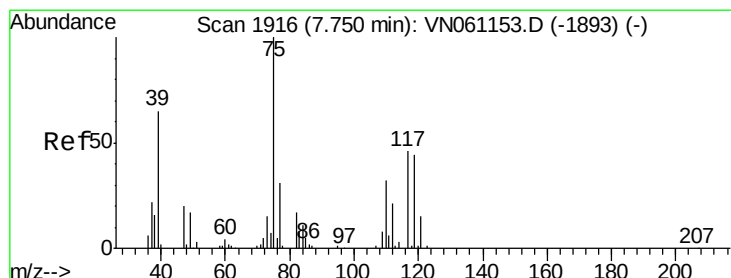
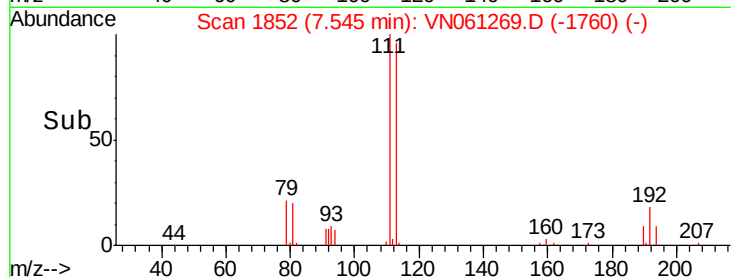
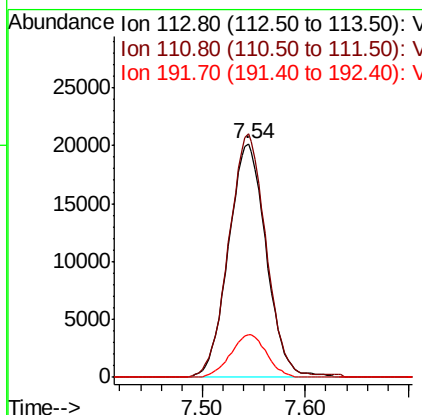
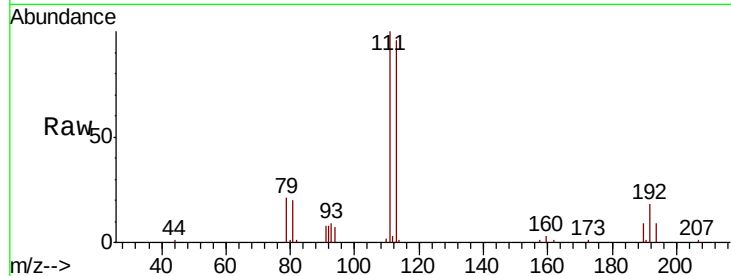




#35
 Dibromofluoromethane
 Concen: 49.649 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061269.D
 Acq: 4 May 2020 11:26

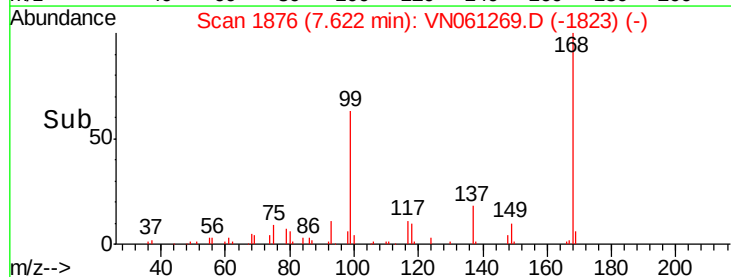
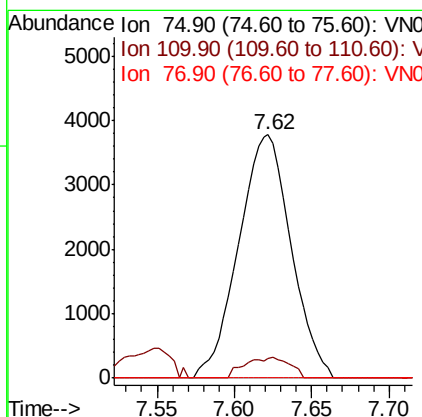
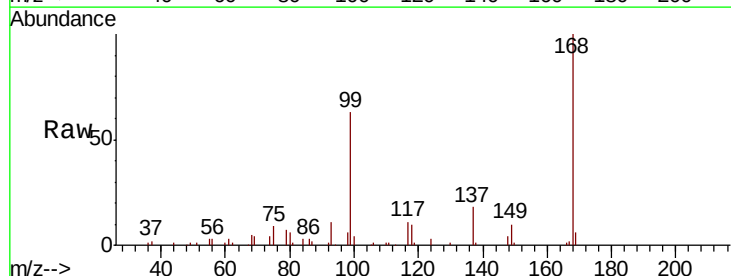
Instrument :
 MSVOA_N
 ClientSampleId :

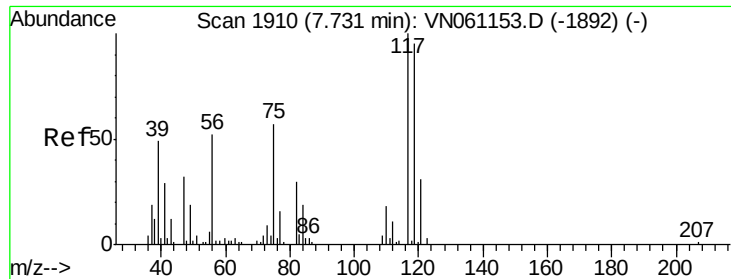
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	17.6	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 5.084 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.13 min
 Lab File: VN061269.D
 Acq: 4 May 2020 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.0	48.0#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 8.769 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.11 min

Lab File: VN061269.D

Acq: 4 May 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

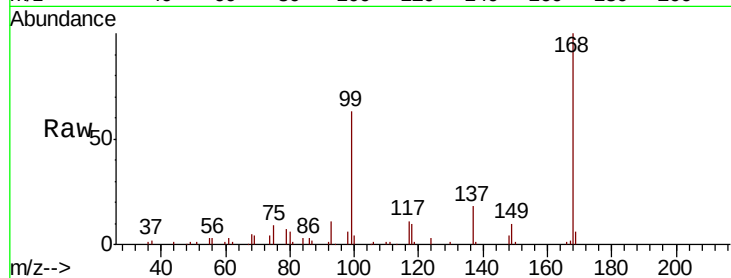
Tot Ion:117 Resp: 10840

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

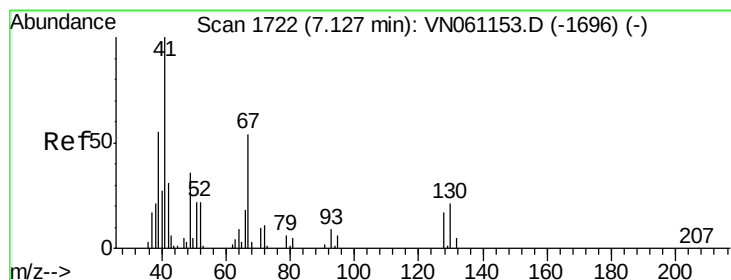
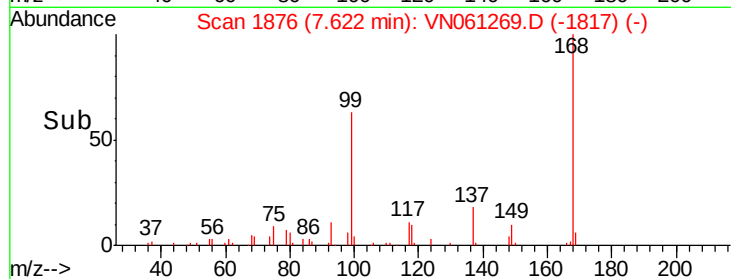
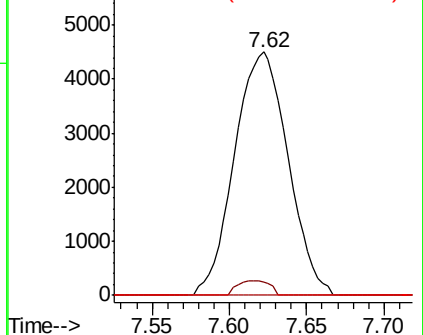
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 0.268 ug/l

RT: 7.17 min Scan# 1735

Delta R.T. 0.04 min

Lab File: VN061269.D

Acq: 4 May 2020 11:26

Tgt Ion: 41 Resp: 228

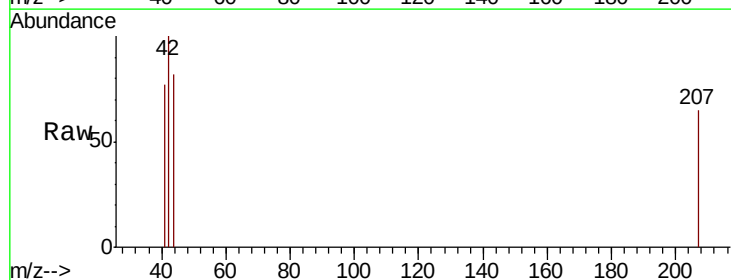
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

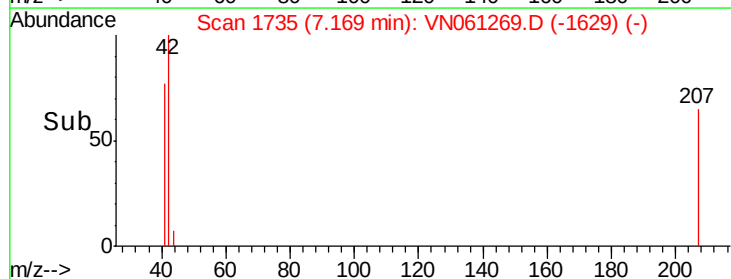
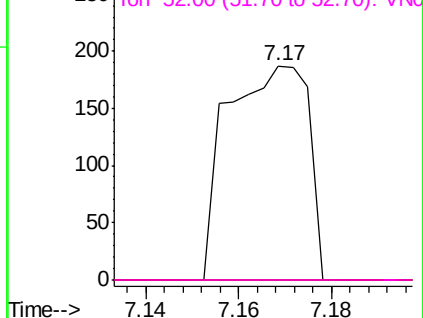


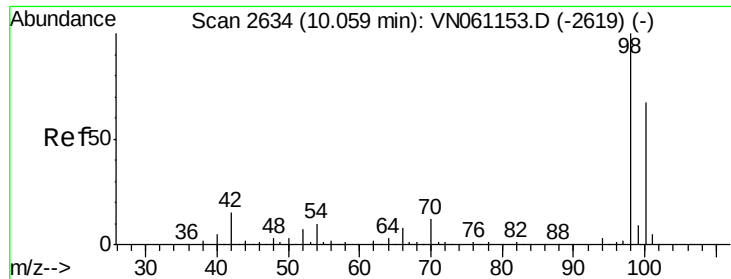
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V

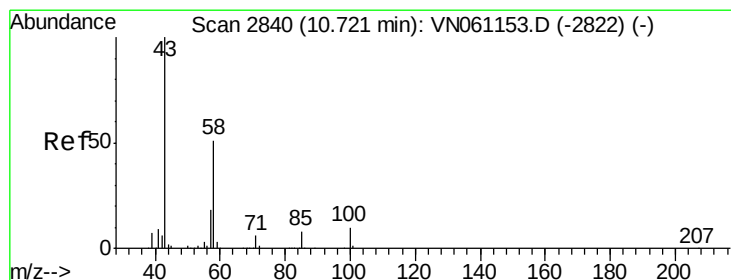
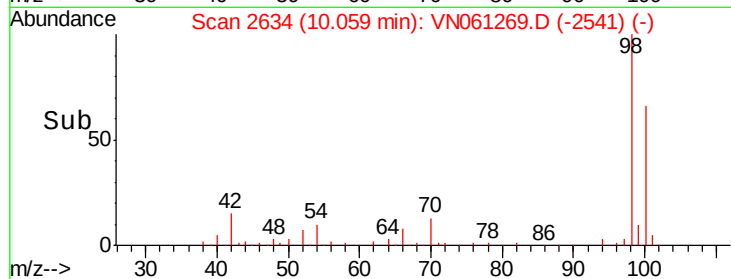
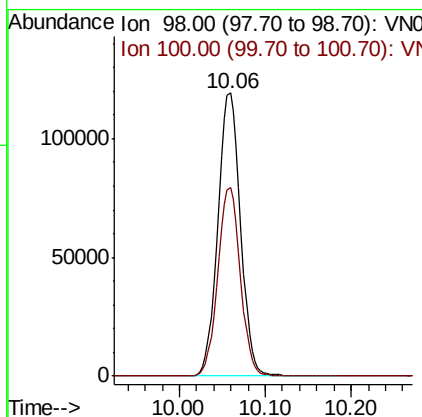
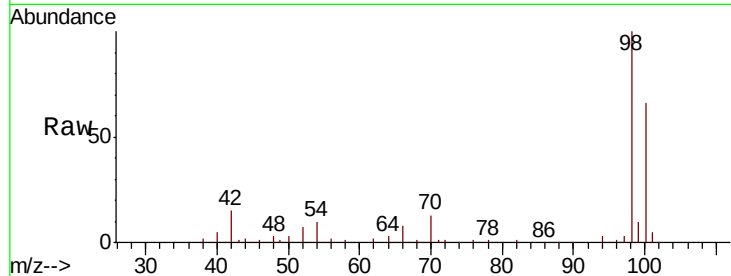




#50
Toluene-d8
Concen: 51.973 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061269.D
Acq: 4 May 2020 11:26

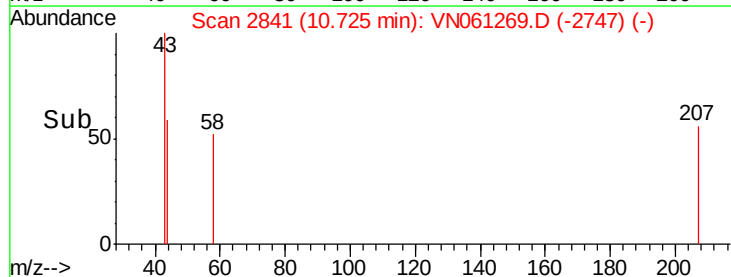
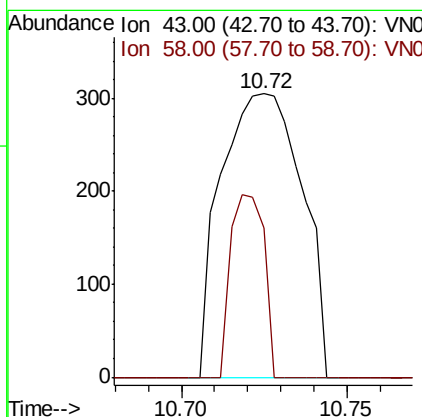
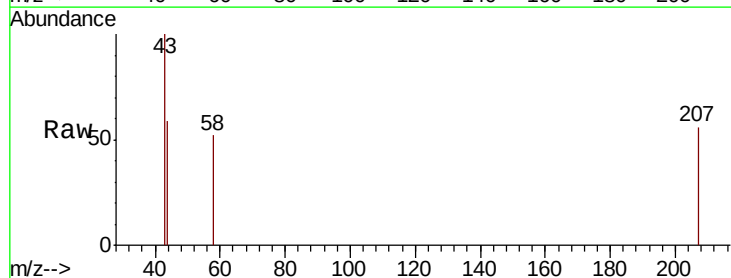
Instrument :
MSVOA_N
ClientSampled :

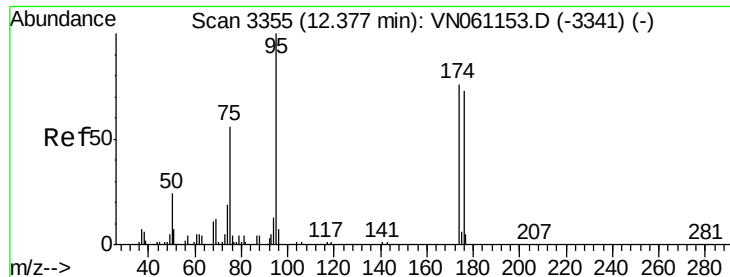
Tot Ion: 98 Resp: 218902
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



#59
2-Hexanone
Concen: 0.356 ug/l
RT: 10.72 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN061269.D
Acq: 4 May 2020 11:26

Tgt Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
58 26.6 25.4 76.4





#62

4-Bromofluorobenzene

Concen: 48.304 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN061269.D

Acq: 4 May 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

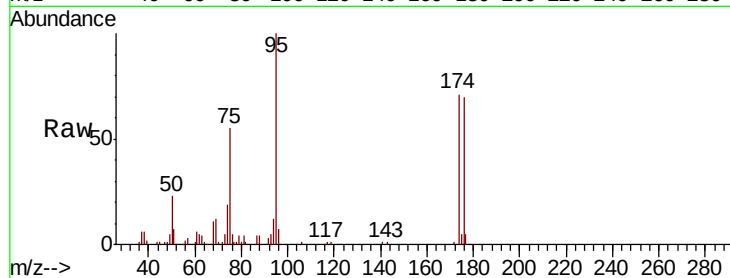
Tot Ion: 95 Resp: 76561

Ion Ratio Lower Upper

95 100

174 72.2 0.0 149.4

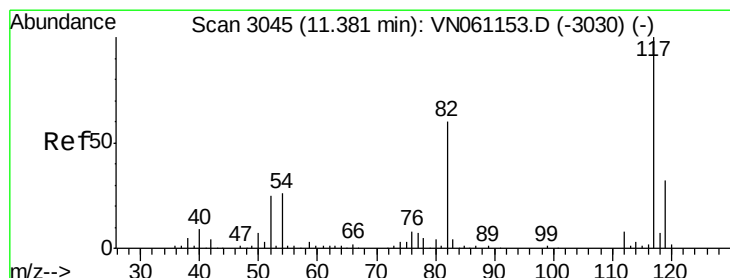
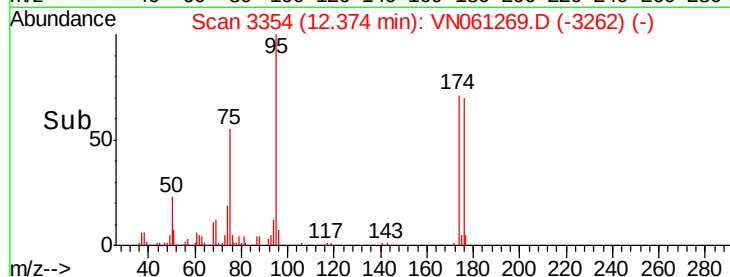
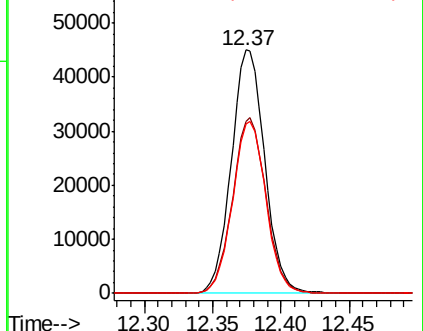
176 70.4 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061269.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061269.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061269.D (-3262) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3044

Delta R.T. -0.00 min

Lab File: VN061269.D

Acq: 4 May 2020 11:26

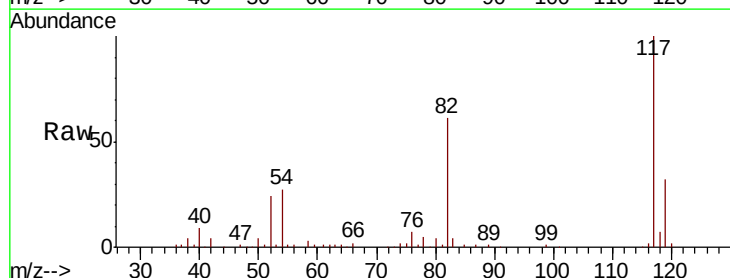
Tgt Ion: 117 Resp: 163281

Ion Ratio Lower Upper

117 100

82 61.4 47.8 71.8

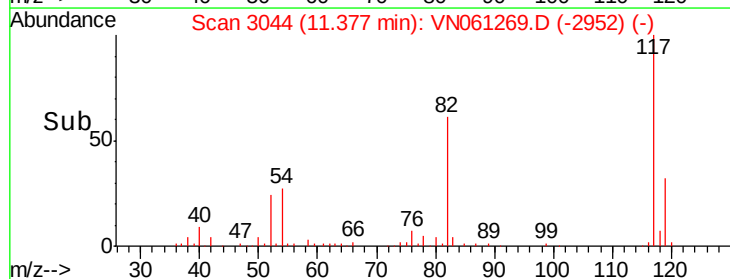
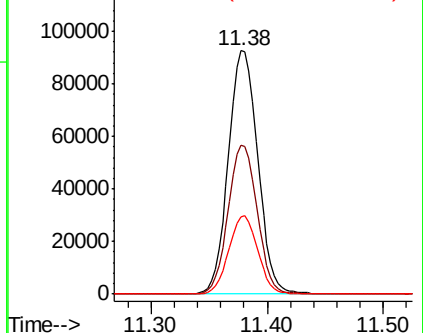
119 32.0 25.8 38.6

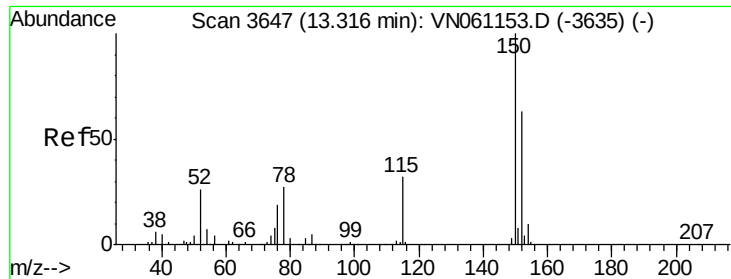


Abundance Ion 116.90 (116.60 to 117.60): VN061269.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061269.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061269.D (-2952) (-)

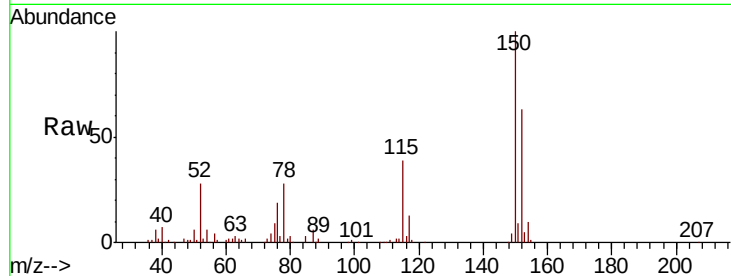




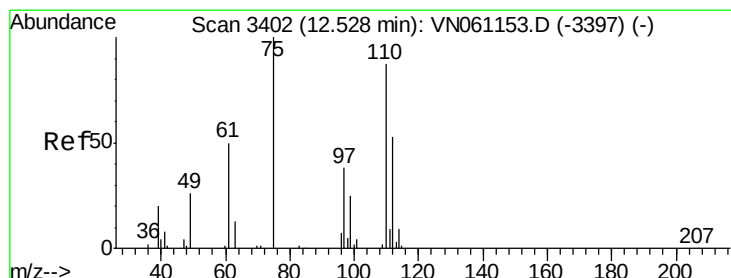
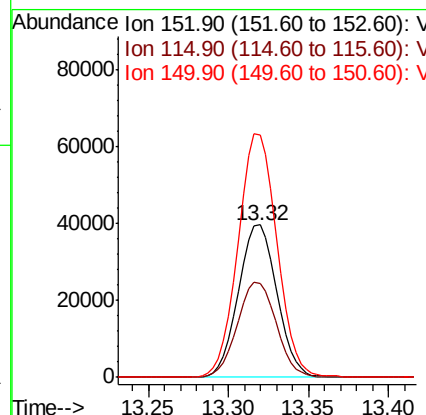
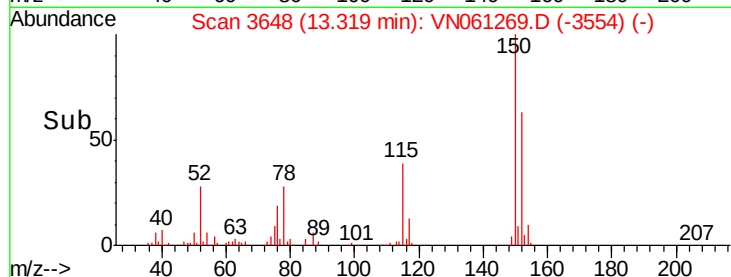
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3648
 Delta R.T. 0.00 min
 Lab File: VN061269.D
 Acq: 4 May 2020 11:26

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:152 Resp: 65095
 Ion Ratio Lower Upper
 152 100
 115 62.8 31.0 93.0
 150 160.8 0.0 351.8

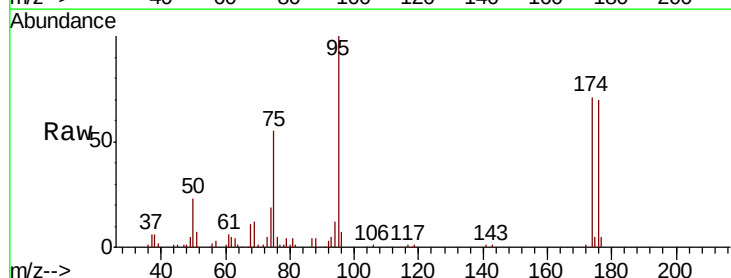


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

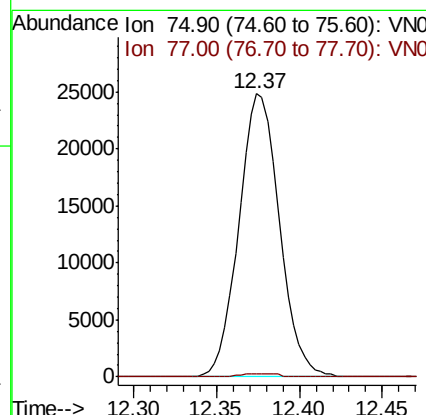
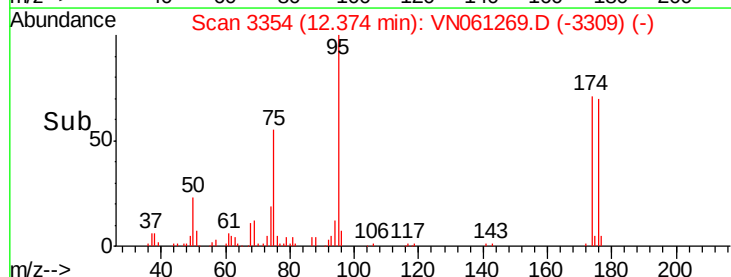


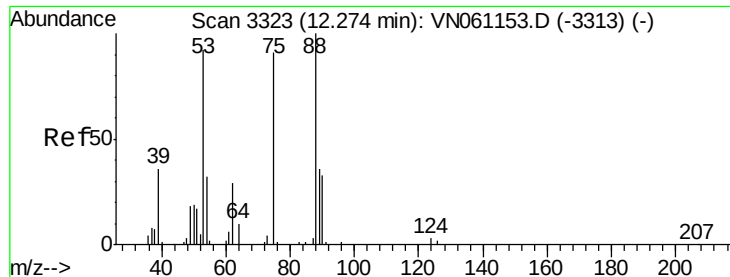
#76
 1,2,3-Trichloropropane
 Concen: 30.805 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.15 min
 Lab File: VN061269.D
 Acq: 4 May 2020 11:26

Tgt Ion: 75 Resp: 42276
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



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





#81

trans-1,4-Dichloro-2-butene

Concen: 78.229 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. 0.10 min

Lab File: VN061269.D

Acq: 4 May 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

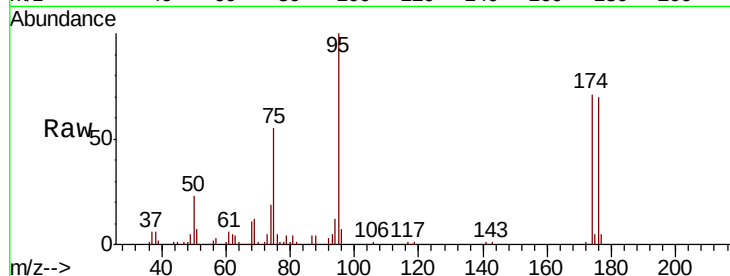
Tot Ion: 75 Resp: 42276

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

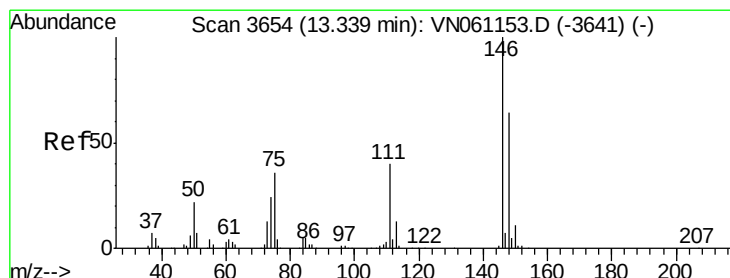
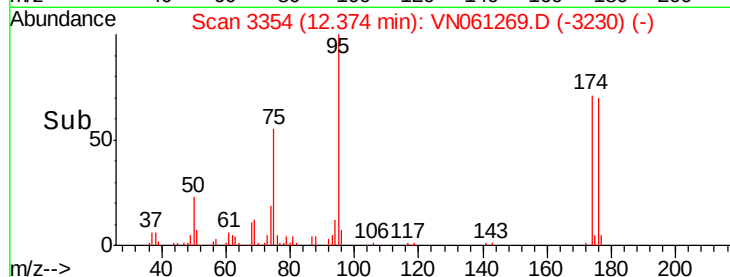
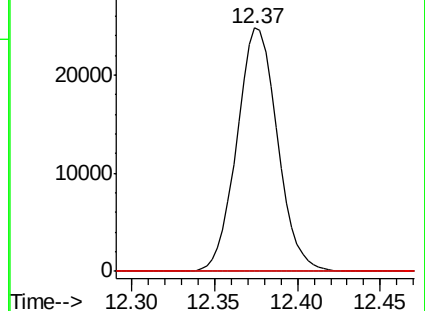
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3313) (-)

Ion 53.00 (52.70 to 53.70): VN061153.D (-3313) (-)

Ion 88.90 (88.60 to 89.60): VN061153.D (-3313) (-)



#88

1,4-Dichlorobenzene

Concen: 0.241 ug/l

RT: 13.34 min Scan# 3653

Delta R.T. -0.00 min

Lab File: VN061269.D

Acq: 4 May 2020 11:26

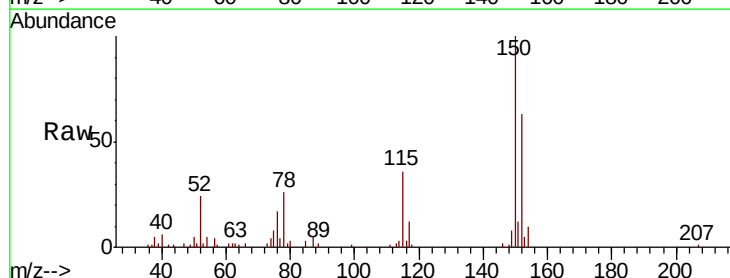
Tgt Ion: 146 Resp: 500

Ion Ratio Lower Upper

146 100

111 189.2 20.4 61.3#

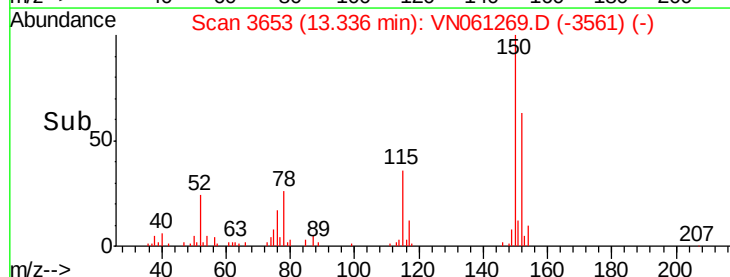
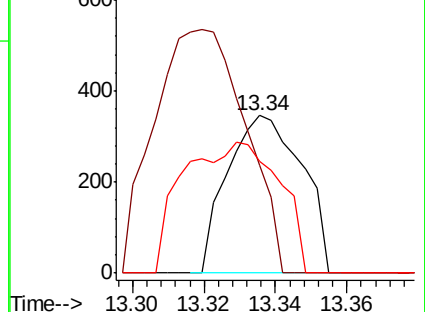
148 107.6 31.9 95.7#

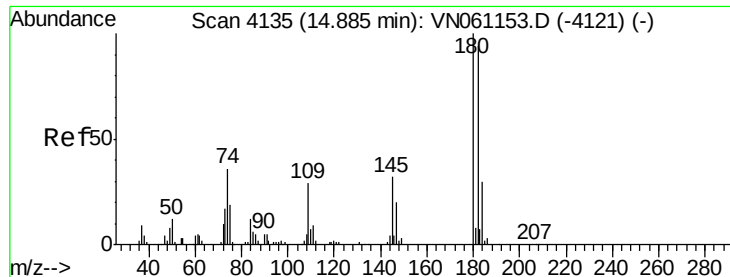


Abundance Ion 145.90 (145.60 to 146.60): VN061153.D (-3641) (-)

Ion 110.90 (110.60 to 111.60): VN061153.D (-3641) (-)

Ion 147.90 (147.60 to 148.60): VN061153.D (-3641) (-)

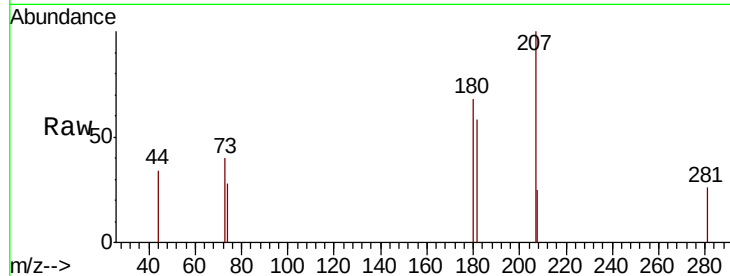




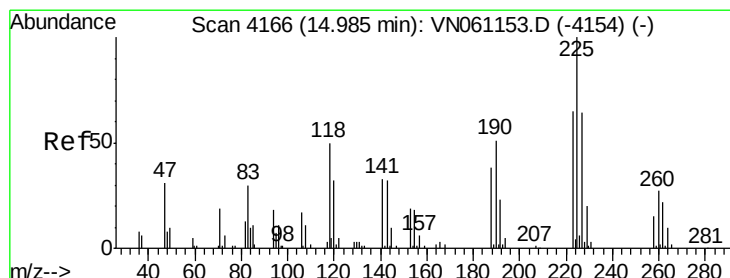
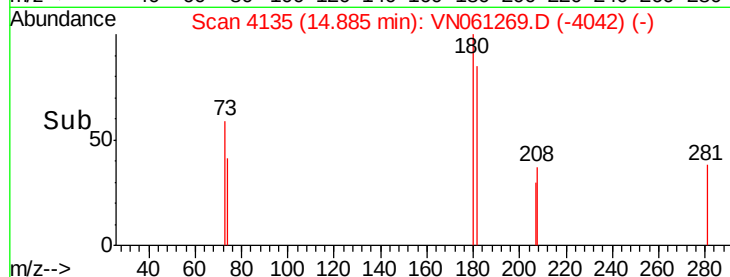
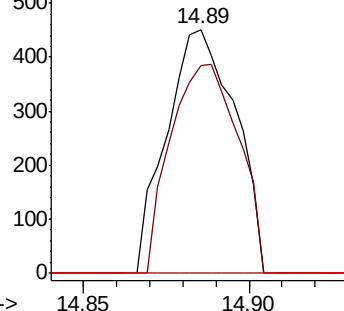
#93
 1,2,4-Trichlorobenzene
 Concen: 0.548 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061269.D
 Acq: 4 May 2020 11:26

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 651
 Ion Ratio Lower Upper
 180 100
 182 84.5 47.3 141.9
 145 0.0 16.0 47.9#

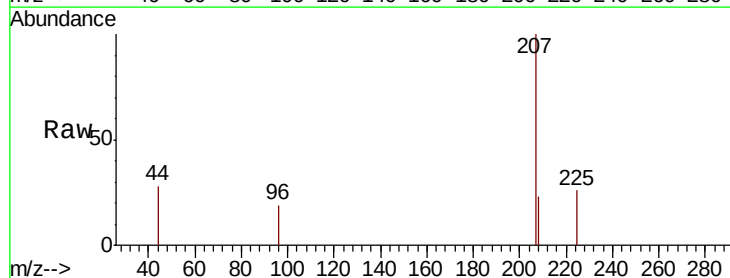


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

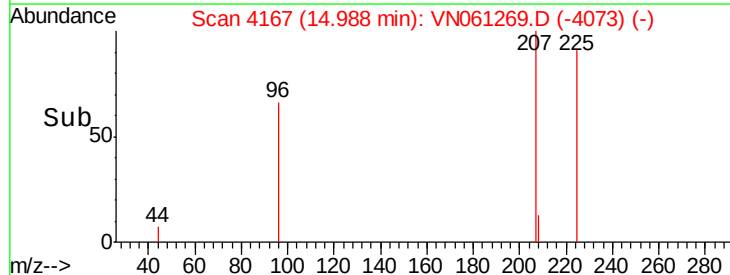
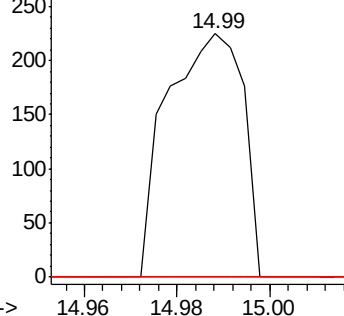


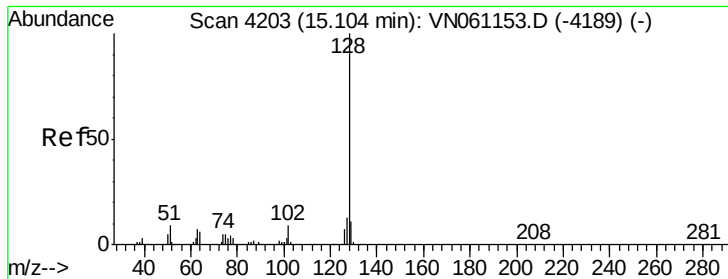
#94
 Hexachlorobutadiene
 Concen: 0.518 ug/l
 RT: 14.99 min Scan# 4167
 Delta R.T. 0.00 min
 Lab File: VN061269.D
 Acq: 4 May 2020 11:26

Tgt Ion:225 Resp: 257
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.4 97.0#
 227 0.0 32.4 97.0#



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

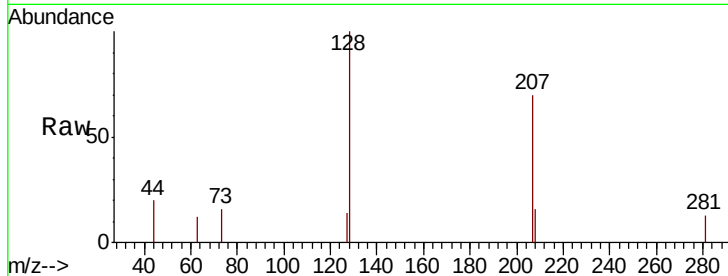




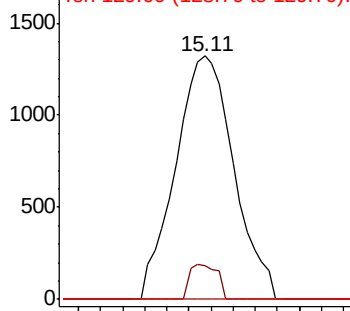
#95
Naphthalene
Concen: 0.628 ug/l
RT: 15.11 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN061269.D
Acq: 4 May 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :

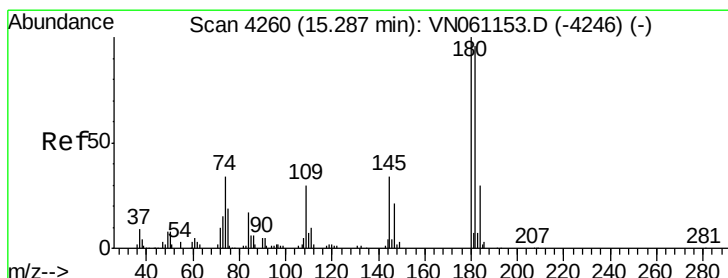
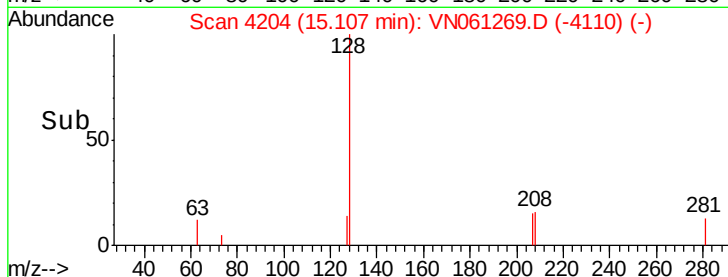
Tot Ion:128 Resp: 2428
Ion Ratio Lower Upper
128 100
127 6.8 10.4 15.6#
129 0.0 8.7 13.1#



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

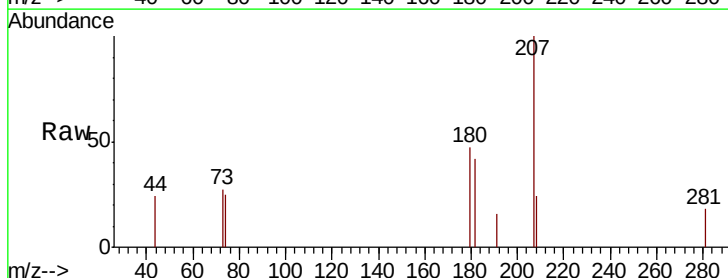


Time--> 15.05 15.10 15.15

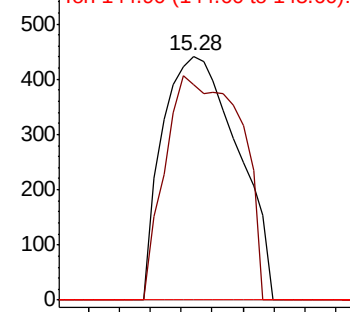


#96
1,2,3-Trichlorobenzene
Concen: 0.637 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061269.D
Acq: 4 May 2020 11:26

Tgt Ion:180 Resp: 747
Ion Ratio Lower Upper
180 100
182 91.6 47.5 142.5
145 0.0 16.9 50.7#



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



Time--> 15.25 15.30

