

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061240.D
 Acq On : 1 May 2020 19:00
 Operator : JC/MD
 Sample : L2467-06 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 04 00:56:48 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	107270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	188532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	182446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80549	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	84850	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
35) Dibromofluoromethane	7.55	113	55564	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	10.06	98	235541	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.38	95	85608	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	

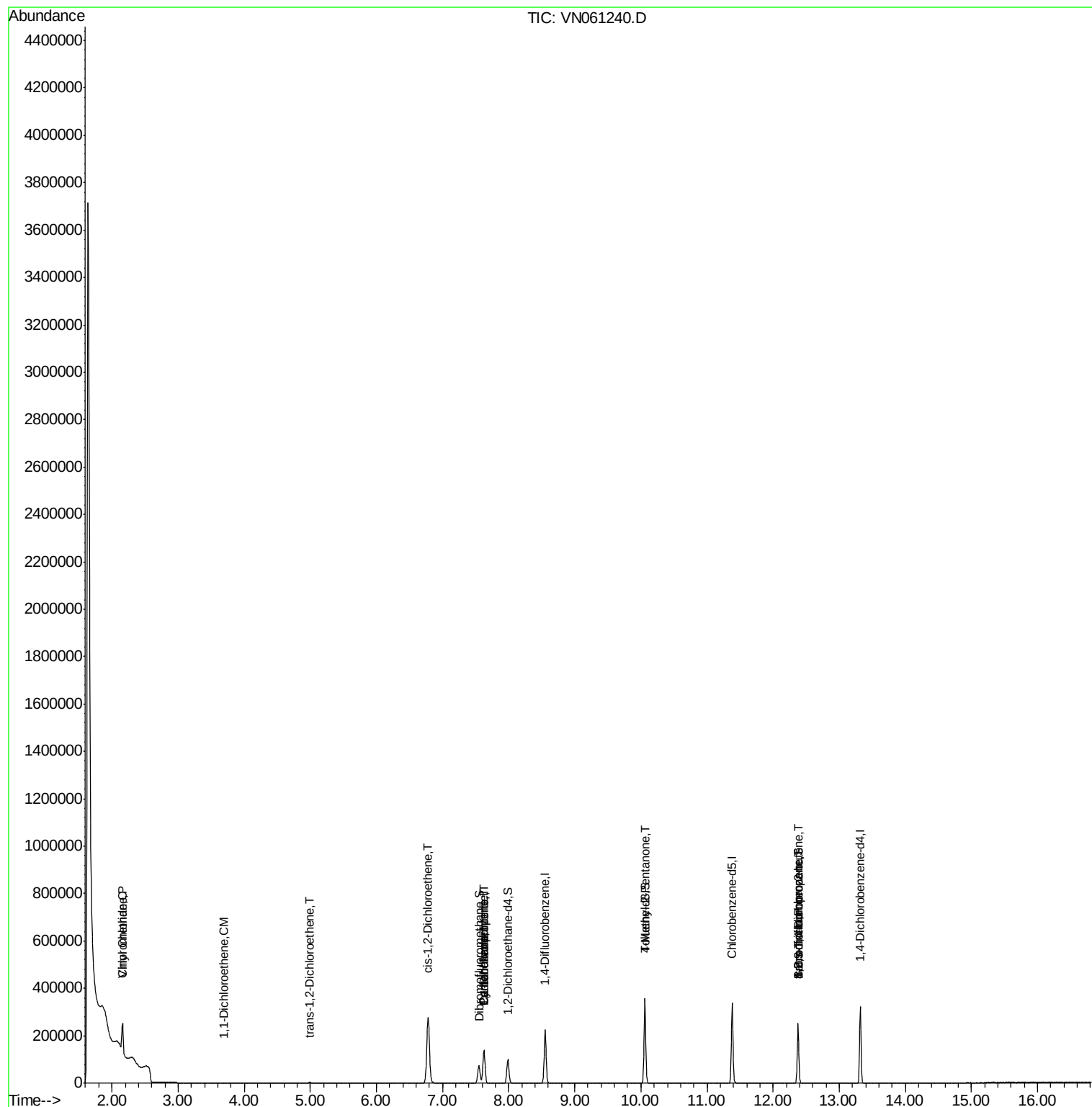
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.16	50	790	0.573	ug/l #	42
4) Vinyl Chloride	2.16	62	110267	70.469	ug/l	99
12) 1,1-Dichloroethene	3.69	96	265	0.234	ug/l #	56
16) Acetone	3.78	43	2602	Below Cal		98
21) trans-1,2-Dichloroethene	4.99	96	1739	1.411	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	177127	122.473	ug/l	89
31) Cyclohexane	7.63	56	2770	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	9787	5.186	ug/l #	46
38) Carbon Tetrachloride	7.63	117	11146	8.464	ug/l #	18
51) 4-Methyl-2-Pentanone	10.06	43	1213	0.561	ug/l #	1
71) Bromoform	12.37	173	222	0.233	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	46627	27.457	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	46627	69.726	ug/l #	8

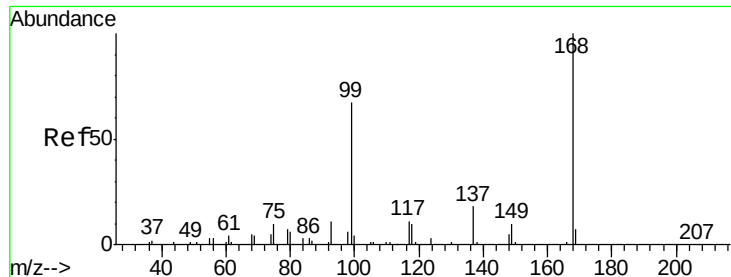
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VN061240.D

Acq: 1 May 2020 19:00

Instrument :

MSVOA_N

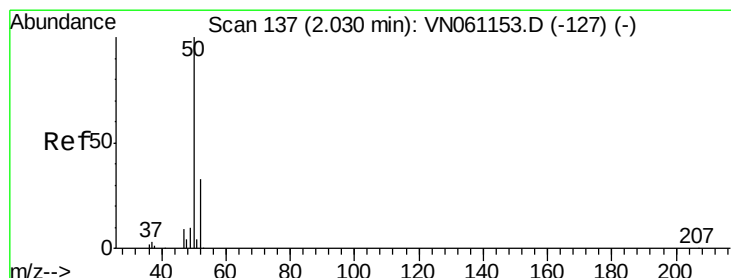
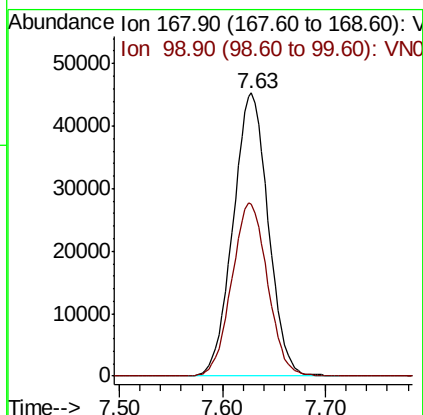
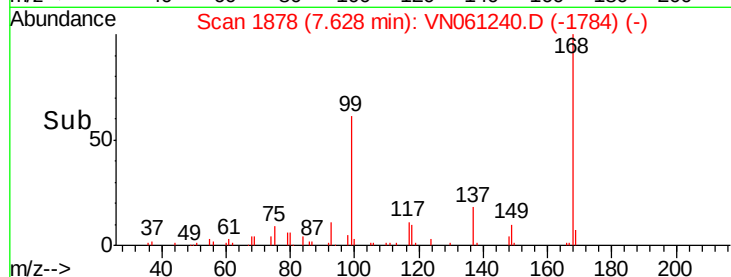
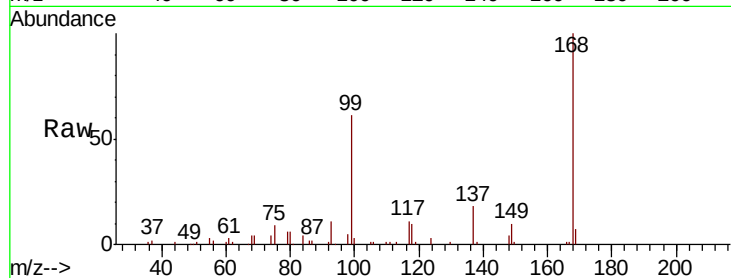
ClientSampled :

Tot Ion:168 Resp: 107270

Ion Ratio Lower Upper

168 100

99 60.6 51.2 76.8



#3

Chloromethane

Concen: 0.573 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.13 min

Lab File: VN061240.D

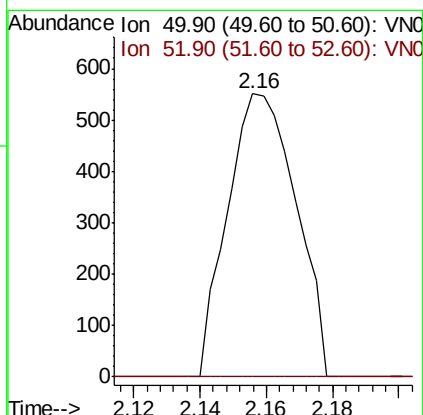
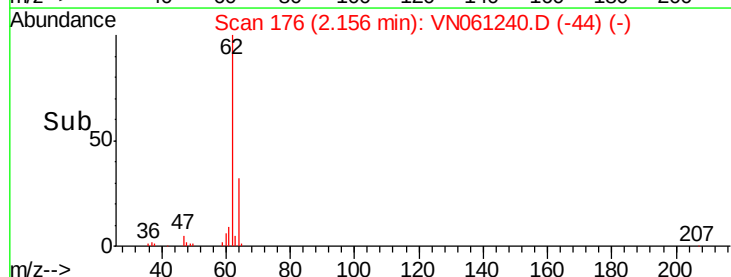
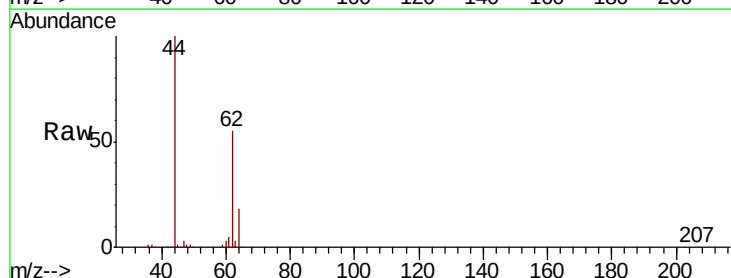
Acq: 1 May 2020 19:00

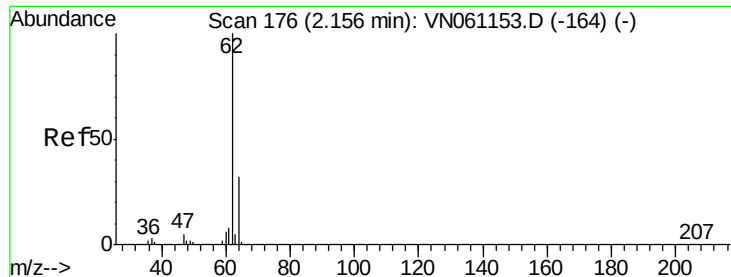
Tgt Ion: 50 Resp: 790

Ion Ratio Lower Upper

50 100

52 0.0 26.0 39.0#





#4

Vinyl Chloride

Concen: 70.469 ug/l

RT: 2.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VN061240.D

Acq: 1 May 2020 19:00

Instrument :

MSVOA_N

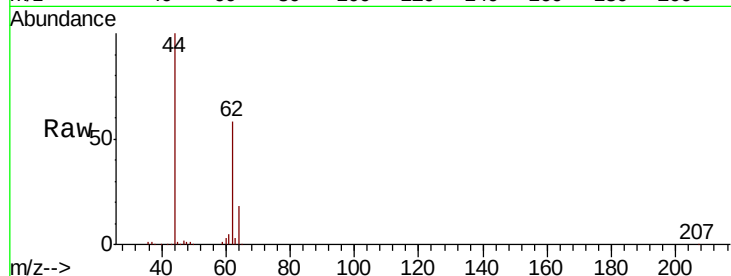
ClientSampled :

Tot Ion: 62 Resp: 110267

Ion Ratio Lower Upper

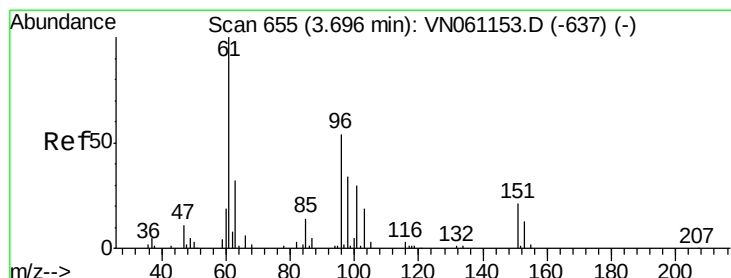
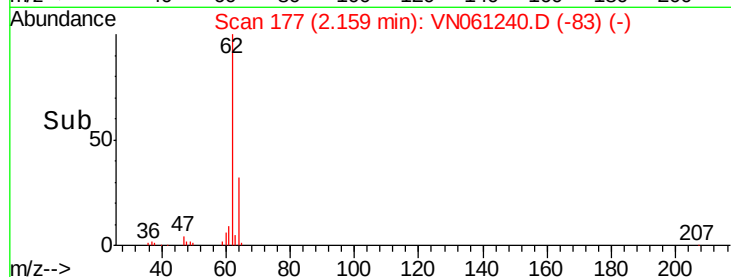
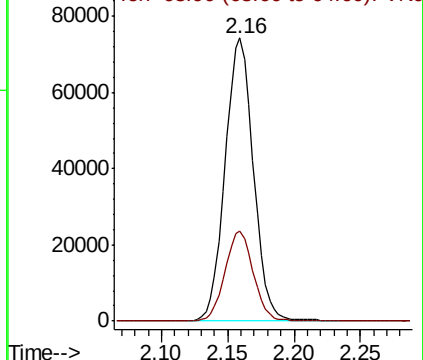
62 100

64 31.8 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#12

1,1-Dichloroethene

Concen: 0.234 ug/l

RT: 3.69 min Scan# 654

Delta R.T. -0.00 min

Lab File: VN061240.D

Acq: 1 May 2020 19:00

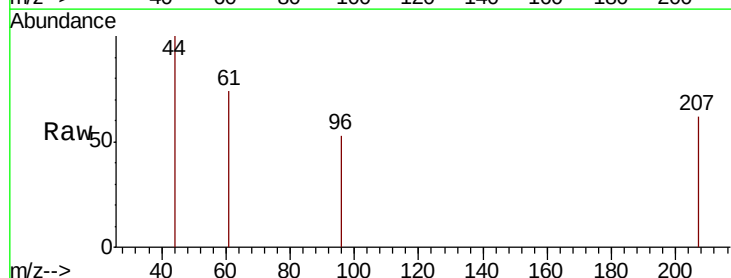
Tgt Ion: 96 Resp: 265

Ion Ratio Lower Upper

96 100

61 139.4 147.0 220.6#

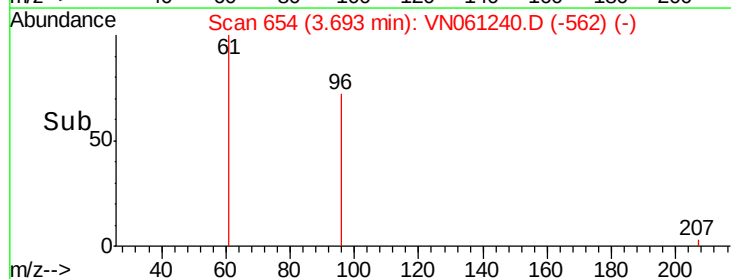
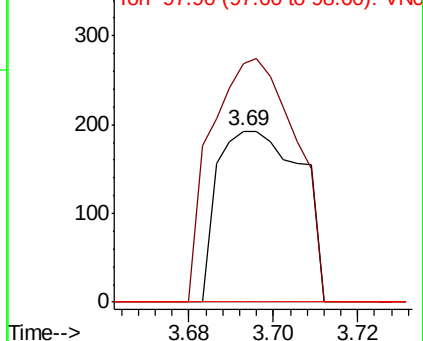
98 0.0 49.8 74.6#

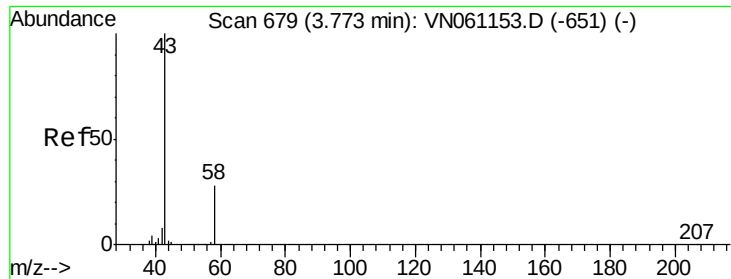


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 682

Delta R.T. 0.01 min

Lab File: VN061240.D

Acq: 1 May 2020 19:00

Instrument :

MSVOA_N

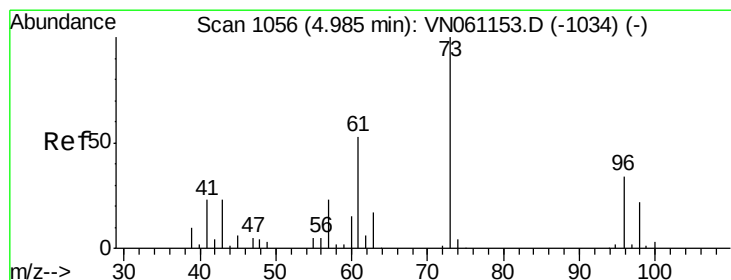
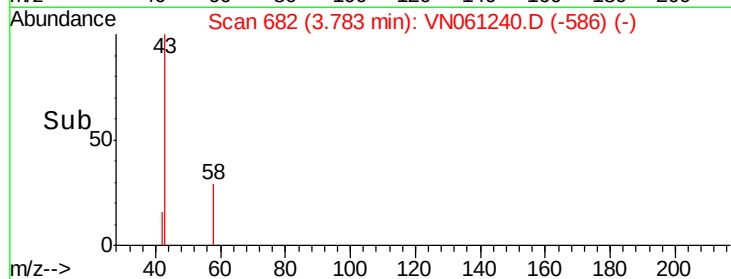
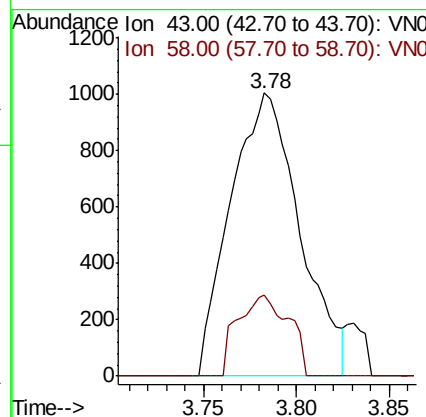
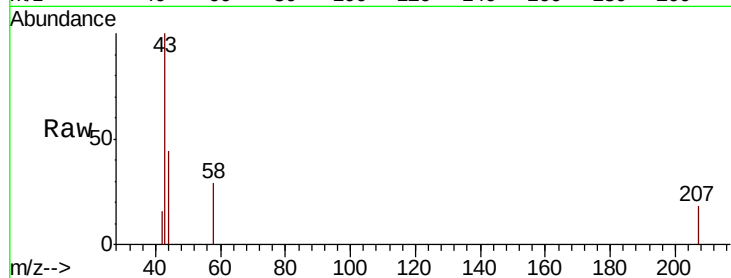
ClientSampled :

Tot Ion: 43 Resp: 2602

Ion Ratio Lower Upper

43 100

58 28.7 22.2 33.2



#21

trans-1,2-Dichloroethene

Concen: 1.411 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN061240.D

Acq: 1 May 2020 19:00

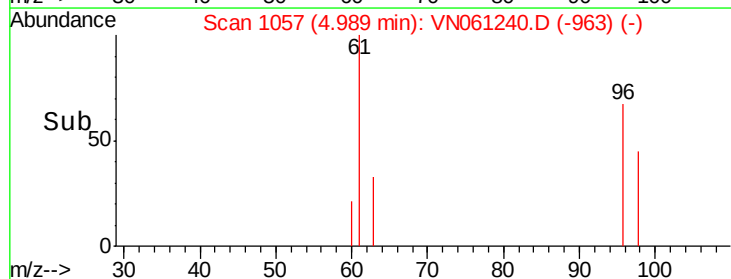
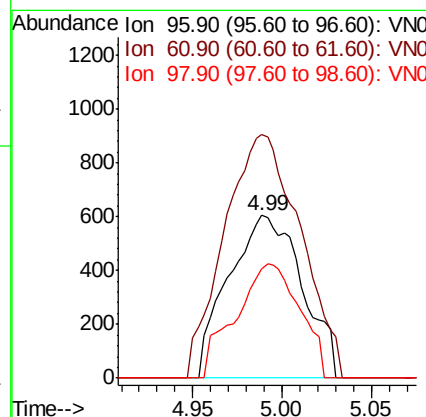
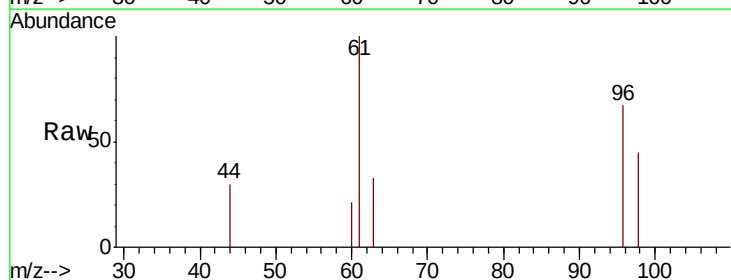
Tgt Ion: 96 Resp: 1739

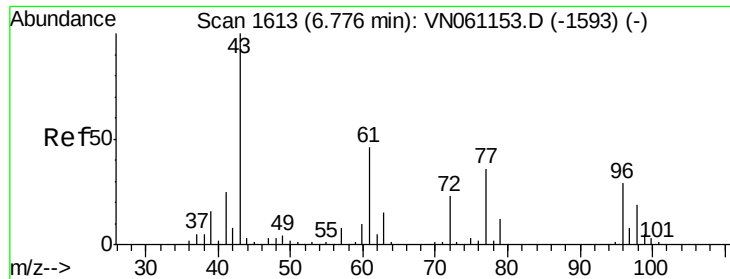
Ion Ratio Lower Upper

96 100

61 149.8 123.0 184.4

98 67.5 50.1 75.1

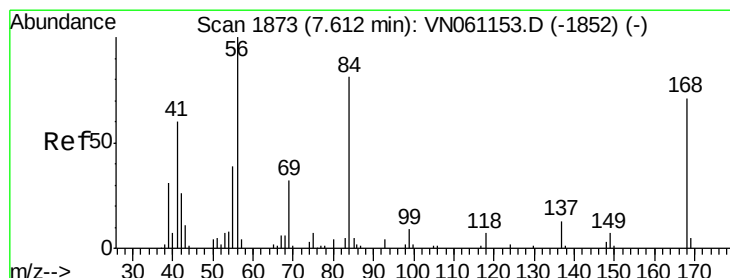
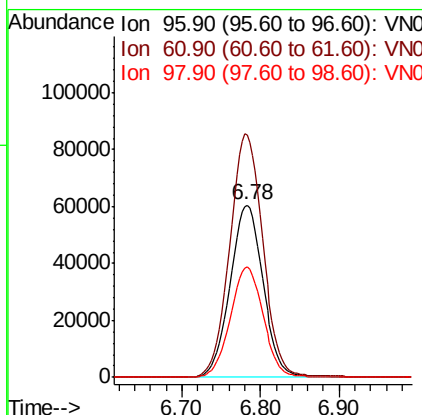
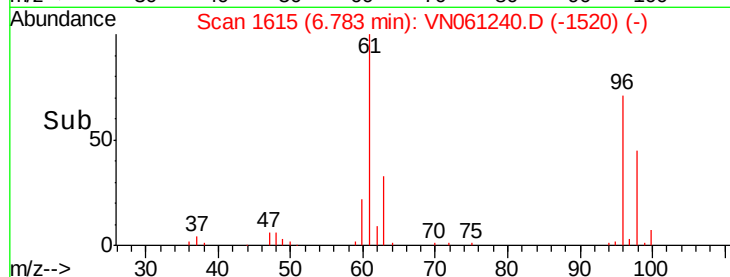
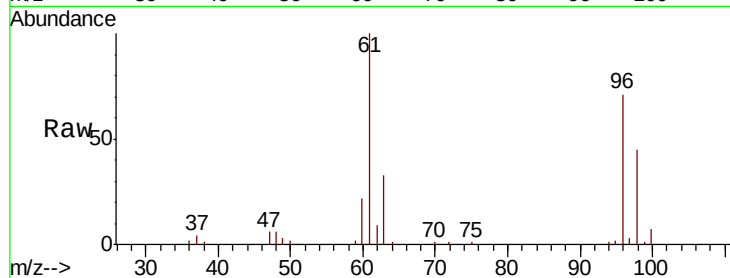




#27
 cis-1,2-Dichloroethene
 Concen: 122.473 ug/l
 RT: 6.78 min Scan# 1615
 Delta R.T. 0.01 min
 Lab File: VN061240.D
 Acq: 1 May 2020 19:00

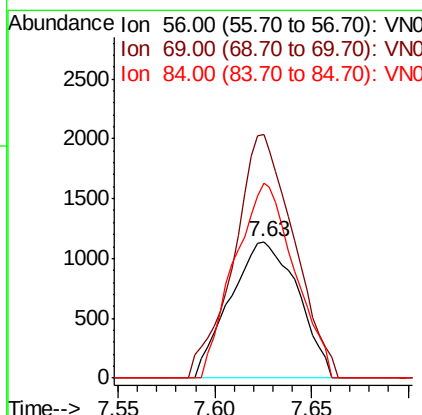
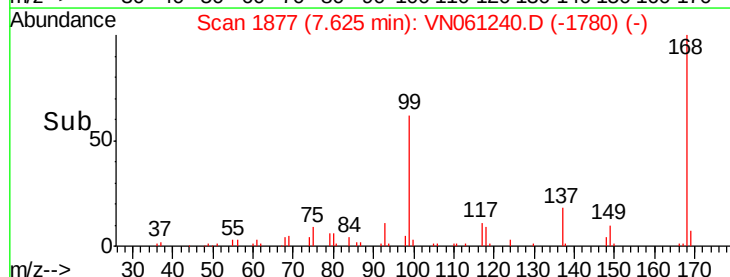
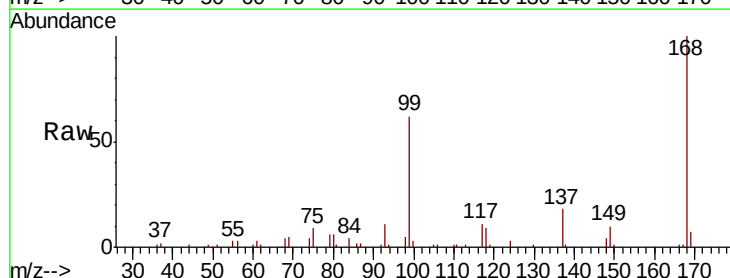
Instrument :
 MSVOA_N
 ClientSampleId :

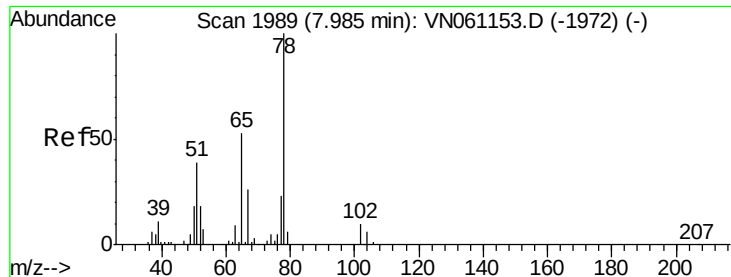
Tot Ion: 96 Resp: 177127
 Ion Ratio Lower Upper
 96 100
 61 142.3 0.0 322.0
 98 63.6 0.0 129.6



#31
 Cyclohexane
 Concen: 1.122 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VN061240.D
 Acq: 1 May 2020 19:00

Tgt Ion: 56 Resp: 2770
 Ion Ratio Lower Upper
 56 100
 69 178.5 25.7 38.5#
 84 142.8 64.6 97.0#

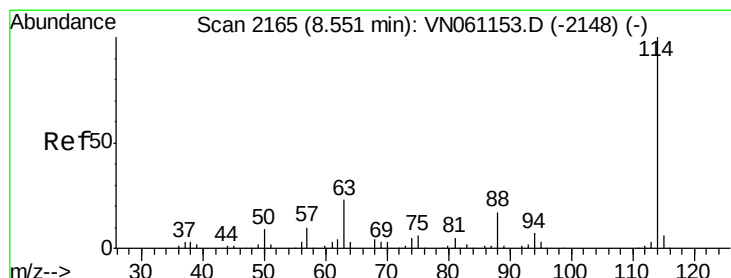
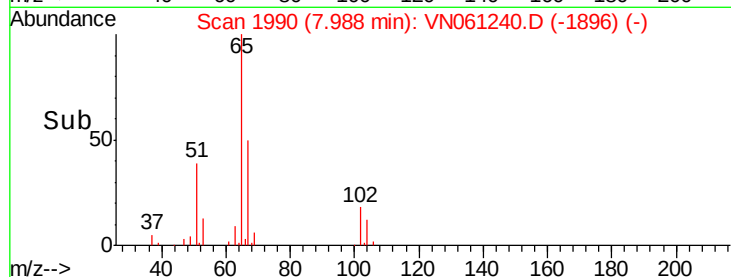
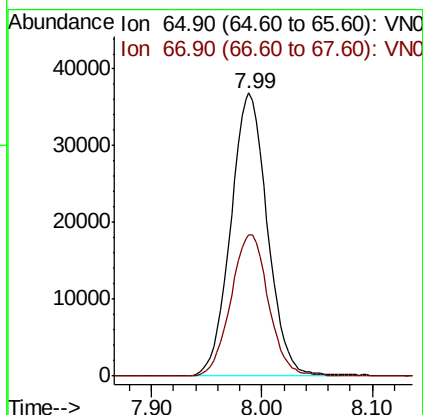
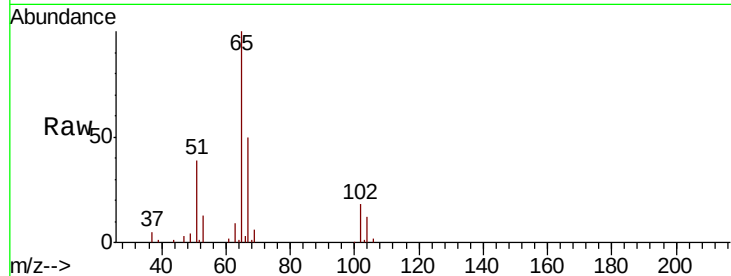




#33
 1,2-Dichloroethane-d4
 Concen: 49.990 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061240.D
 Acq: 1 May 2020 19:00

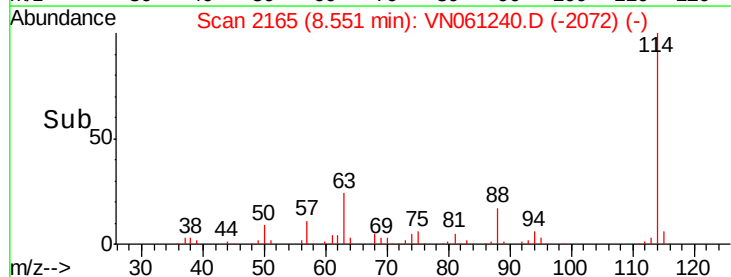
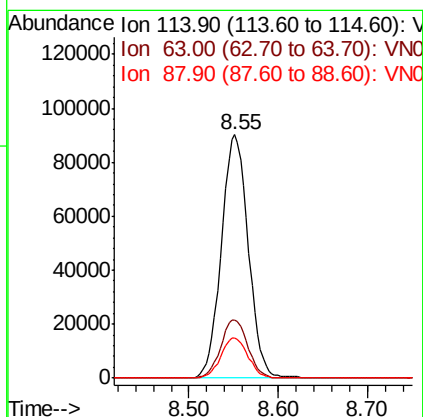
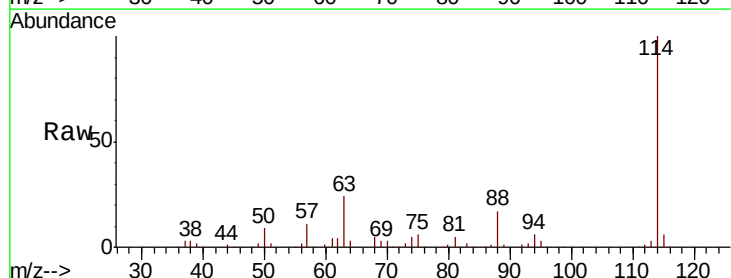
Instrument :
 MSVOA_N
 ClientSampleId :

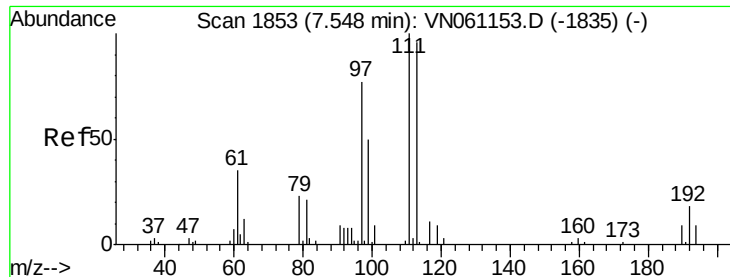
Tot Ion: 65 Resp: 84850
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061240.D
 Acq: 1 May 2020 19:00

Tgt Ion: 114 Resp: 188532
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.6
 88 16.7 0.0 33.4

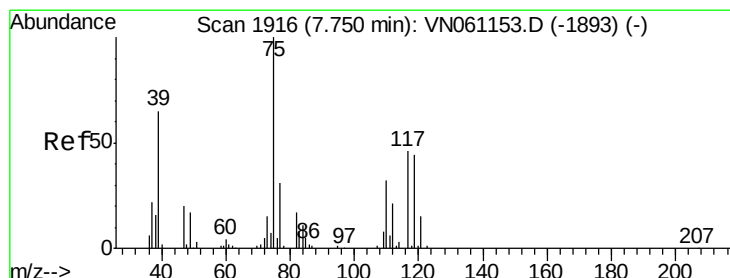
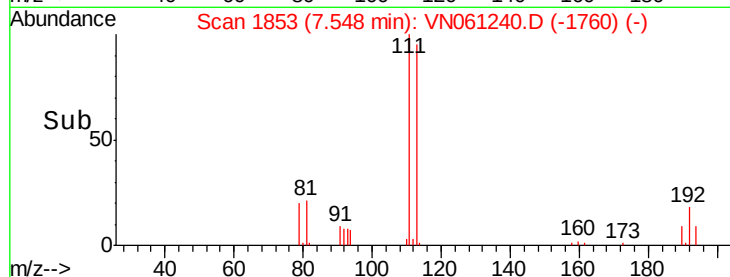
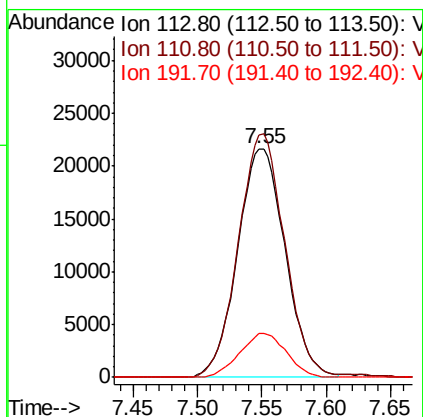
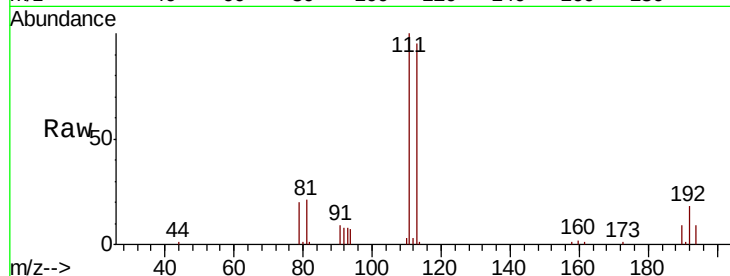




#35
 Dibromofluoromethane
 Concen: 49.841 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061240.D
 Acq: 1 May 2020 19:00

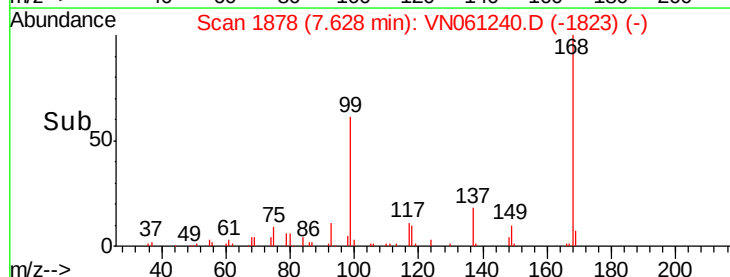
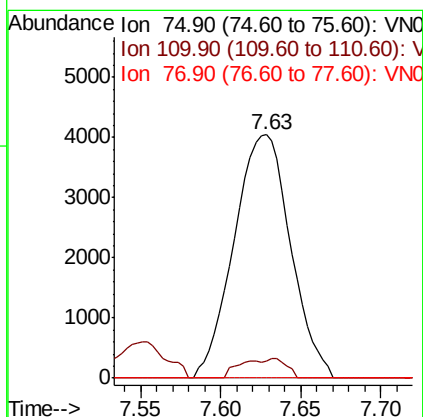
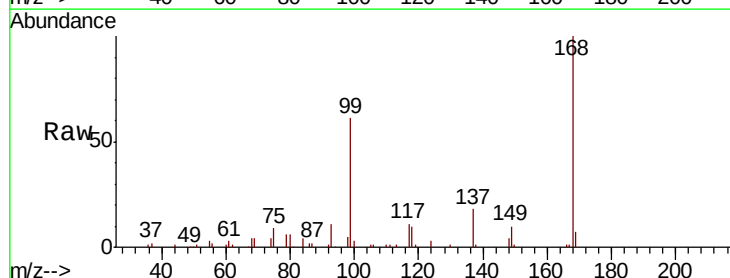
Instrument :
 MSVOA_N
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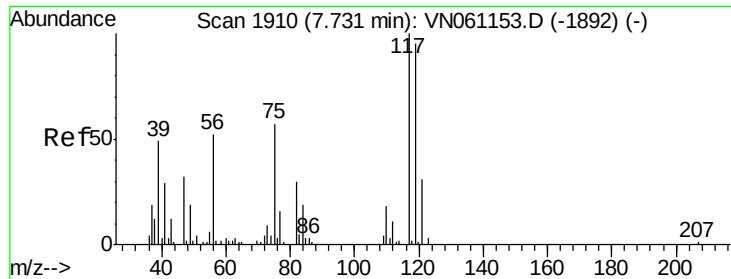
Tot Ion:113 Resp: 55564
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.9 124.3
 192 18.9 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 5.186 ug/l
 RT: 7.63 min Scan# 1878
 Delta R.T. -0.12 min
 Lab File: VN061240.D
 Acq: 1 May 2020 19:00

Tgt Ion: 75 Resp: 9787
 Ion Ratio Lower Upper
 75 100
 110 3.1 16.0 48.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 8.464 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061240.D

Acq: 1 May 2020 19:00

Instrument :

MSVOA_N

ClientSampled :

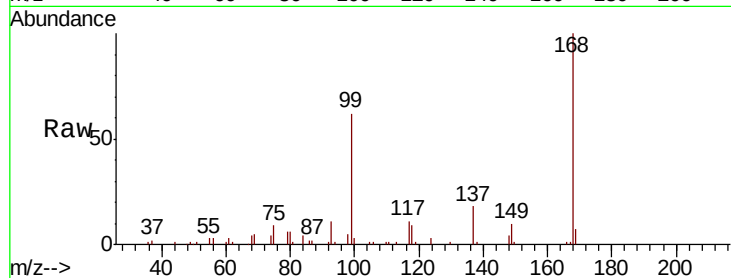
Tot Ion:117 Resp: 11146

Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

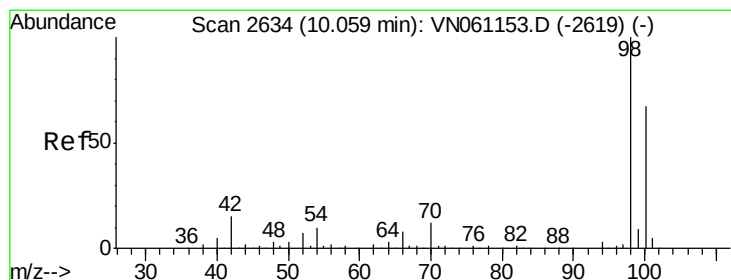
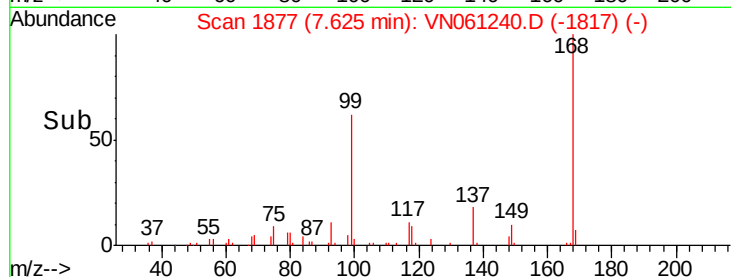
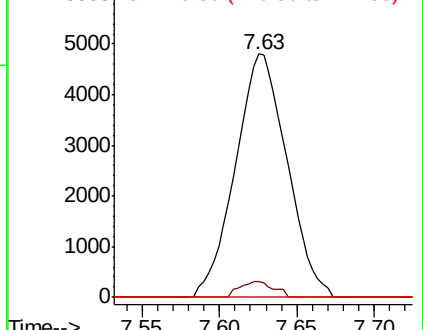
121 0.0 24.7 37.1#



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: 51.828 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VN061240.D

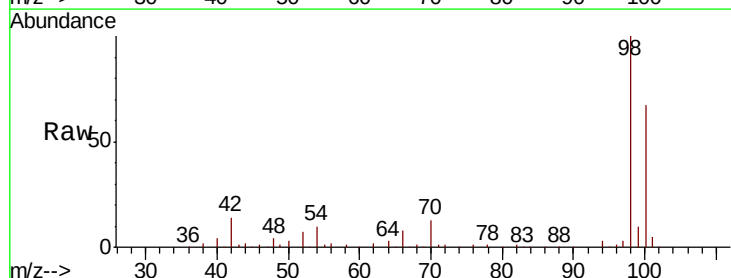
Acq: 1 May 2020 19:00

Tgt Ion: 98 Resp: 235541

Ion Ratio Lower Upper

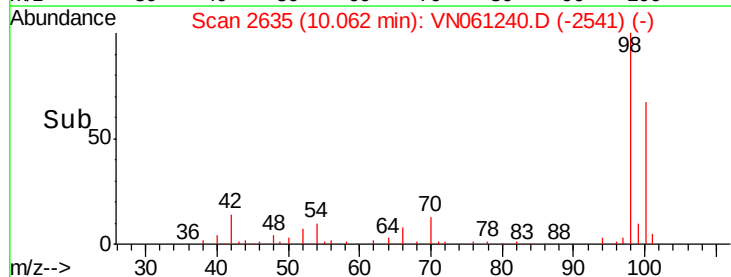
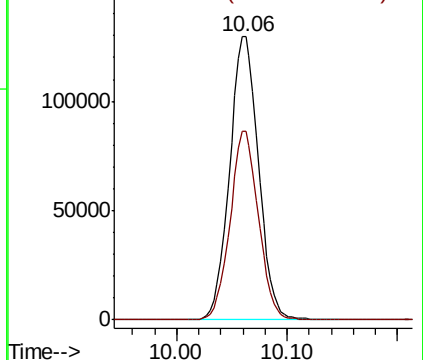
98 100

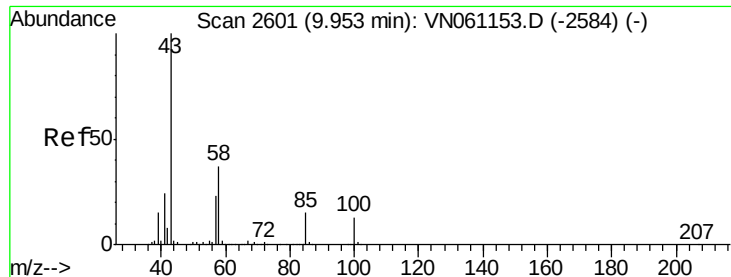
100 65.2 53.4 80.0



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: 0.561 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.11 min

Lab File: VN061240.D

Acq: 1 May 2020 19:00

Instrument :

MSVOA_N

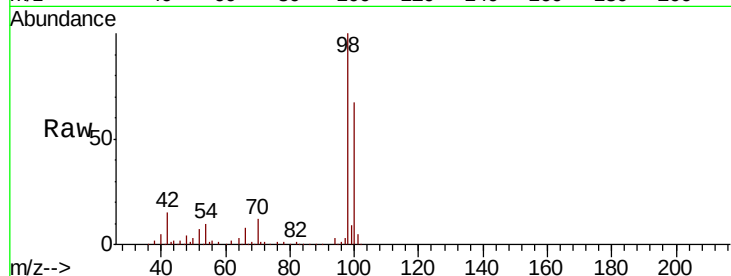
ClientSampled :

Tot Ion: 43 Resp: 1213

Ion Ratio Lower Upper

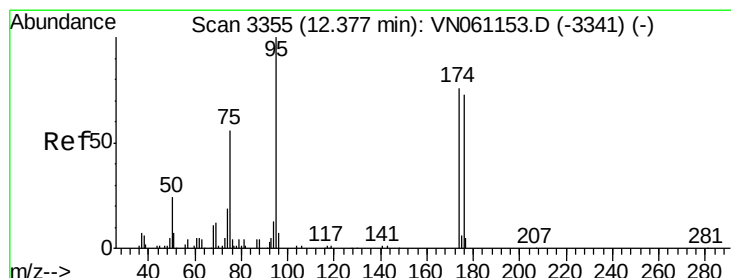
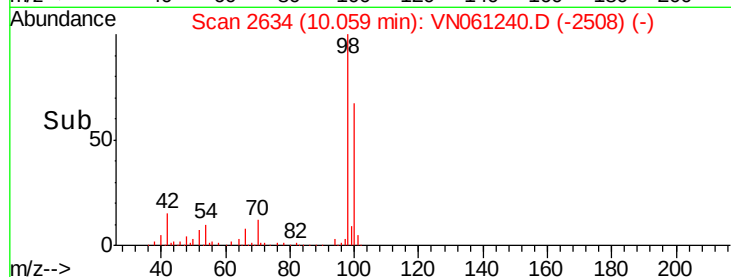
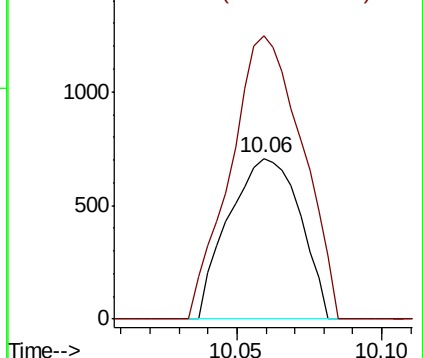
43 100

58 176.8 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 50.057 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061240.D

Acq: 1 May 2020 19:00

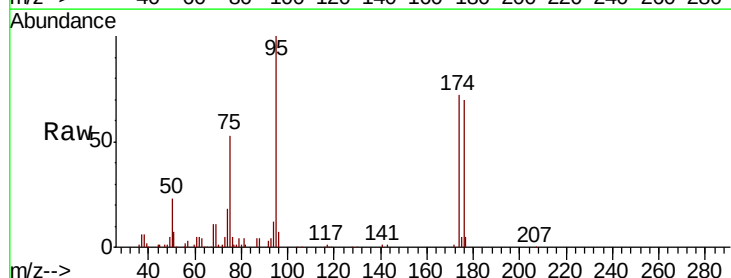
Tgt Ion: 95 Resp: 85608

Ion Ratio Lower Upper

95 100

174 73.6 0.0 149.4

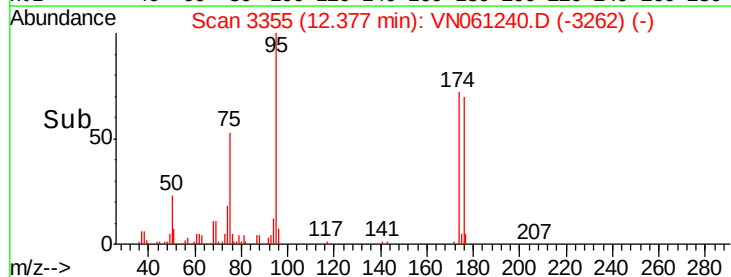
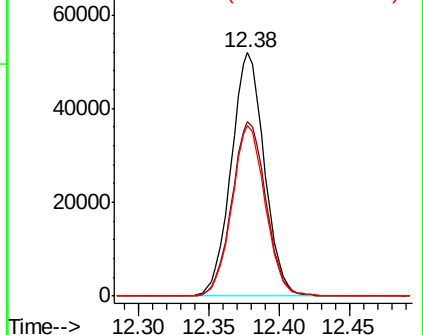
176 70.2 0.0 144.8

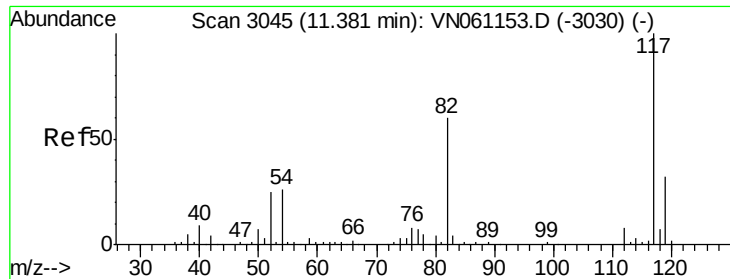


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061240.D

Acq: 1 May 2020 19:00

Instrument :

MSVOA_N

ClientSampled :

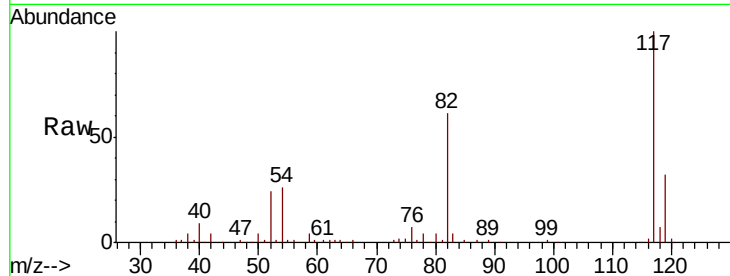
Tot Ion:117 Resp: 182446

Ion Ratio Lower Upper

117 100

82 61.1 47.8 71.8

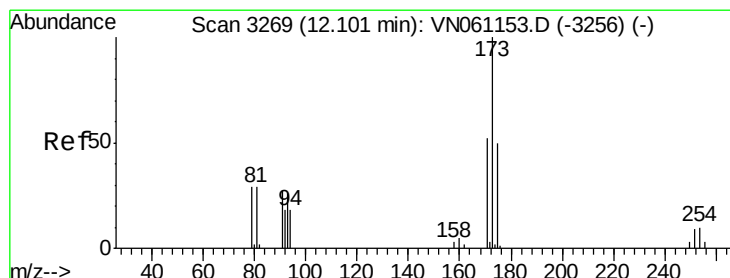
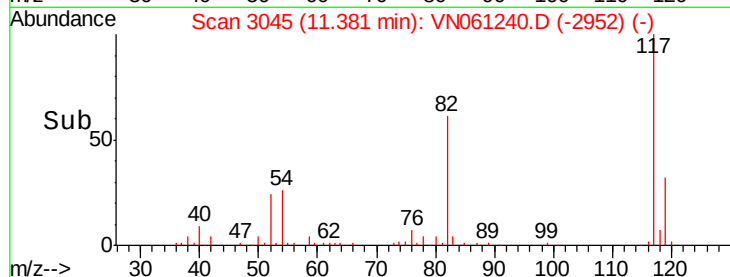
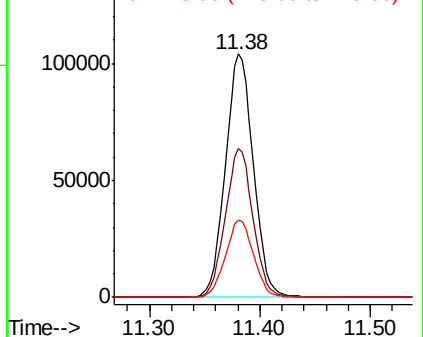
119 31.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.233 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. 0.27 min

Lab File: VN061240.D

Acq: 1 May 2020 19:00

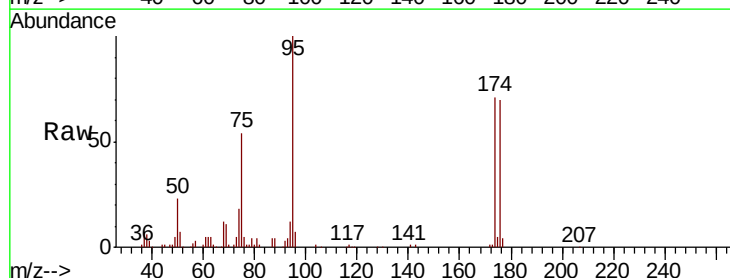
Tgt Ion:173 Resp: 222

Ion Ratio Lower Upper

173 100

175 1763.1 24.1 72.4#

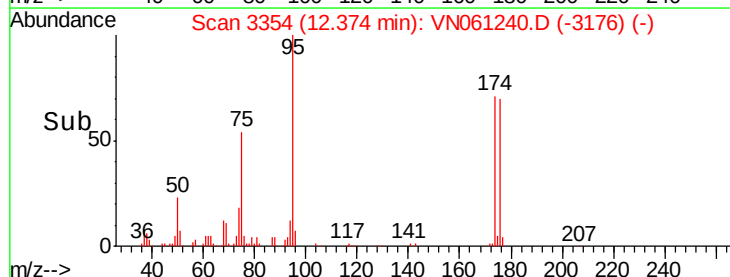
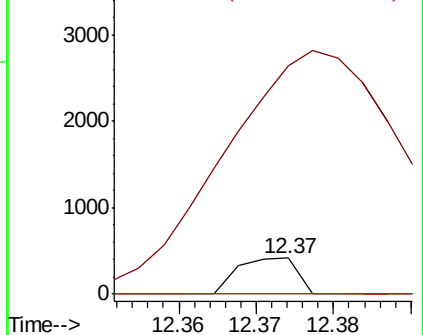
254 0.0 0.0 0.0

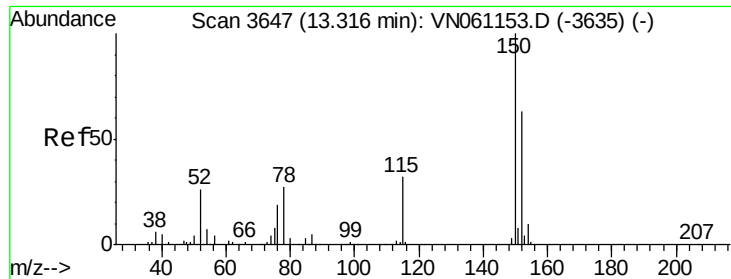


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061240.D

Acq: 1 May 2020 19:00

Instrument :

MSVOA_N

ClientSampled :

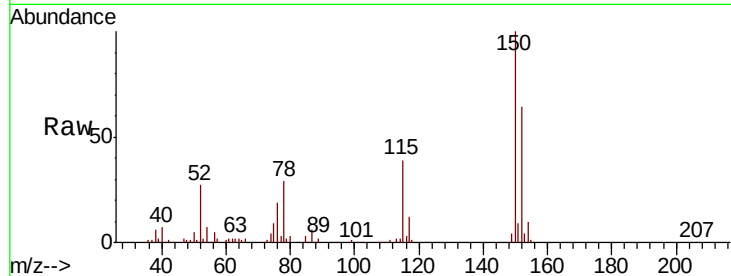
Tot Ion:152 Resp: 80549

Ion Ratio Lower Upper

152 100

115 62.0 31.0 93.0

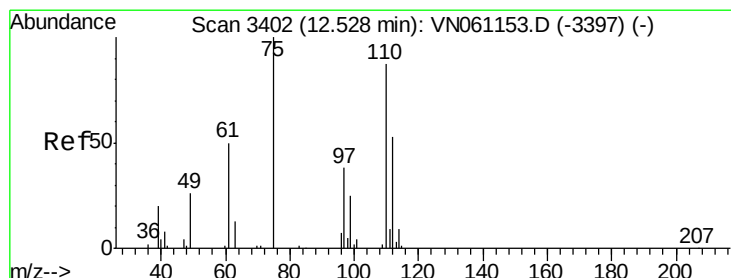
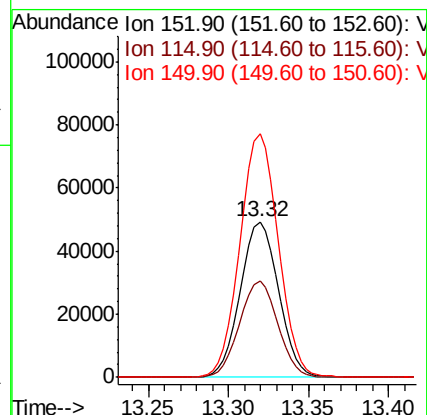
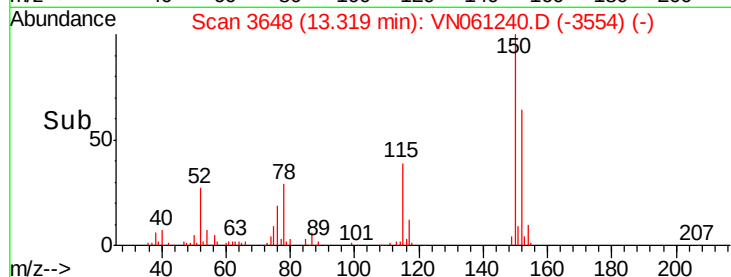
150 157.0 0.0 351.8



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: 27.457 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061240.D

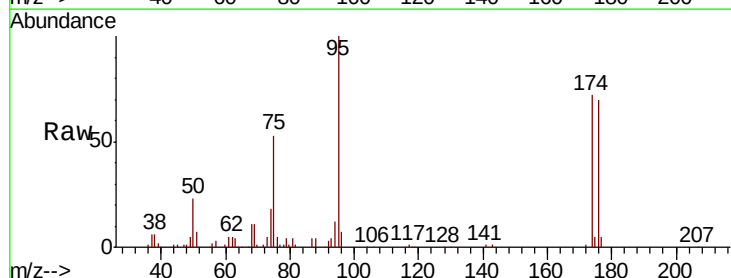
Acq: 1 May 2020 19:00

Tgt Ion: 75 Resp: 46627

Ion Ratio Lower Upper

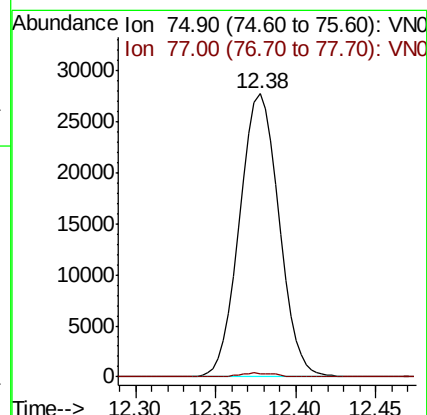
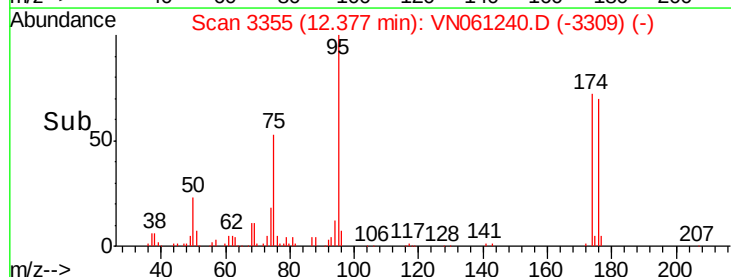
75 100

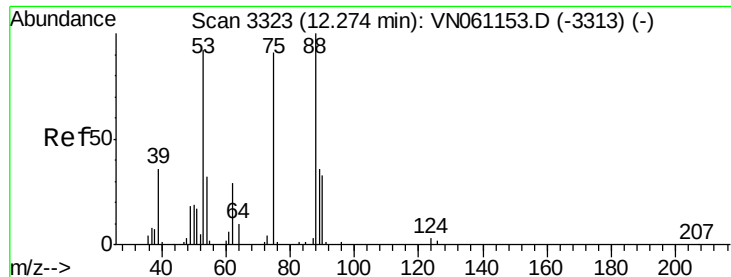
77 1.2 0.0 0.0#



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: 69.726 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061240.D

Acq: 1 May 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

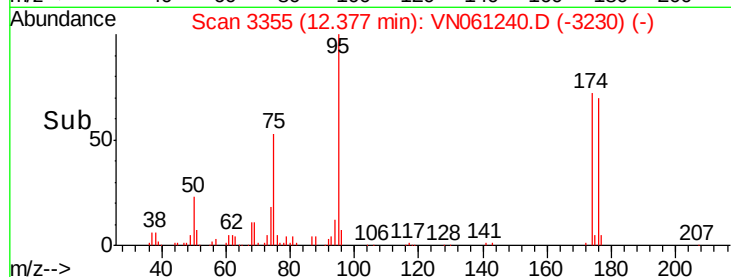
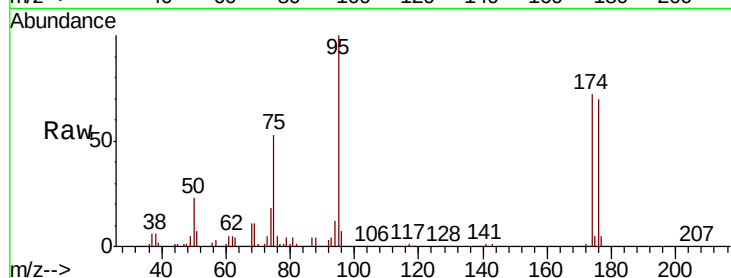
Tot Ion: 75 Resp: 46627

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

