

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061239.D
 Acq On : 1 May 2020 18:37
 Operator : JC/MD
 Sample : L2467-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 04 00:56:30 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	107597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	193542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	185037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	79928	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	85361	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
35) Dibromofluoromethane	7.55	113	58815	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
50) Toluene-d8	10.06	98	241885	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.38	95	87635	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	

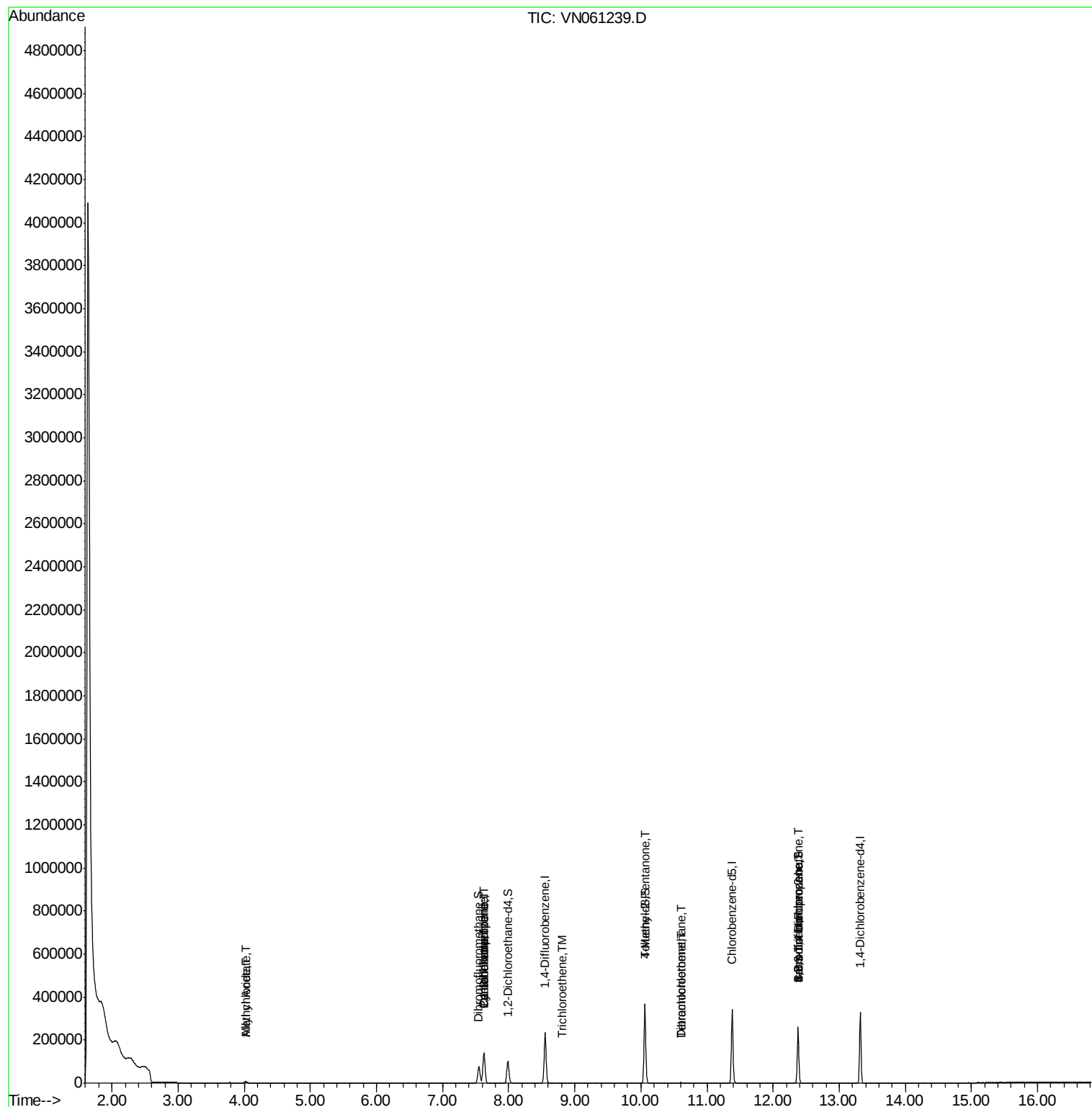
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.03	41	1223	0.581	ug/l #	69
18) Methyl Acetate	4.02	43	3226	2.160	ug/l #	55
31) Cyclohexane	7.63	56	2705	1.092	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	9711	5.012	ug/l #	50
38) Carbon Tetrachloride	7.63	117	10939	8.192	ug/l #	17
44) Trichloroethene	8.81	130	437	0.280	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1329	0.599	ug/l #	1
60) Dibromochloromethane	10.61	129	943	0.649	ug/l #	10
64) Tetrachloroethene	10.60	164	1054	0.658	ug/l #	83
71) Bromoform	12.37	173	395	0.409	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	46838	27.795	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	46838	70.586	ug/l #	8

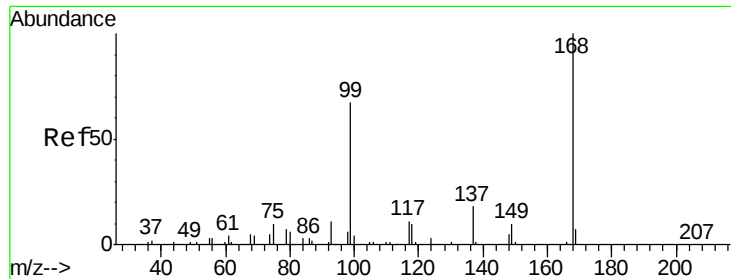
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VN061239.D

Acq: 1 May 2020 18:37

Instrument :

MSVOA_N

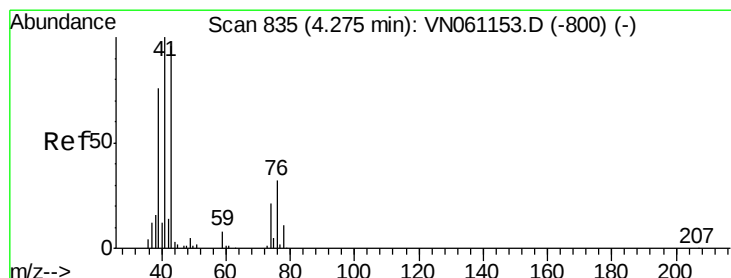
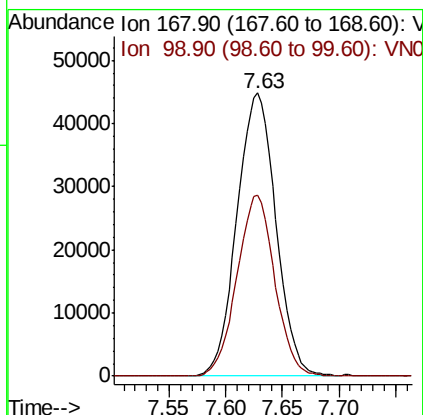
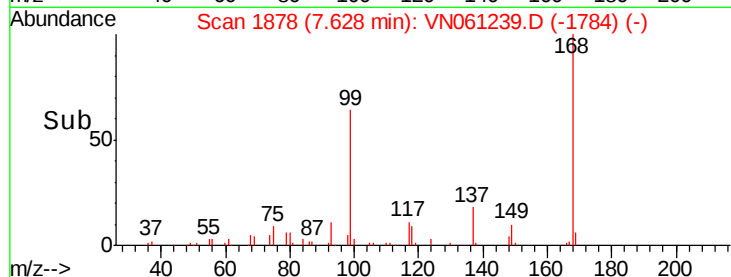
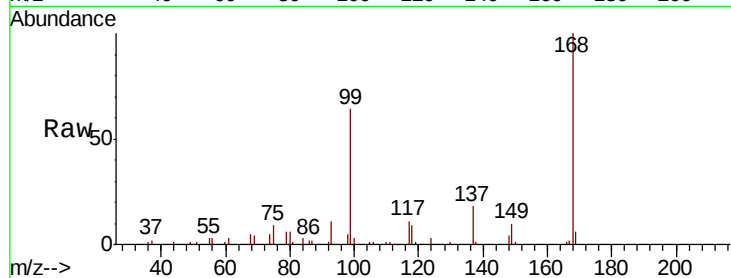
ClientSampled :

Tot Ion:168 Resp: 107597

Ion Ratio Lower Upper

168 100

99 63.8 51.2 76.8



#14

Allyl chloride

Concen: 0.581 ug/l

RT: 4.03 min Scan# 759

Delta R.T. -0.24 min

Lab File: VN061239.D

Acq: 1 May 2020 18:37

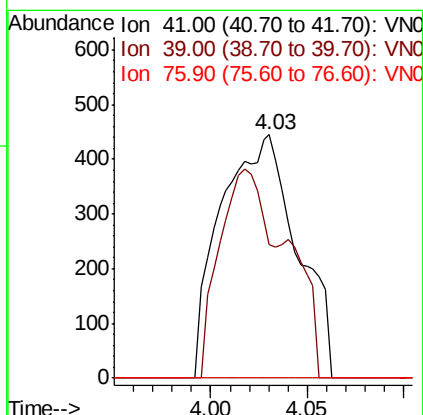
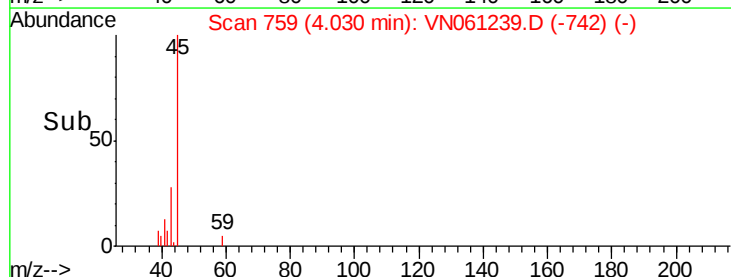
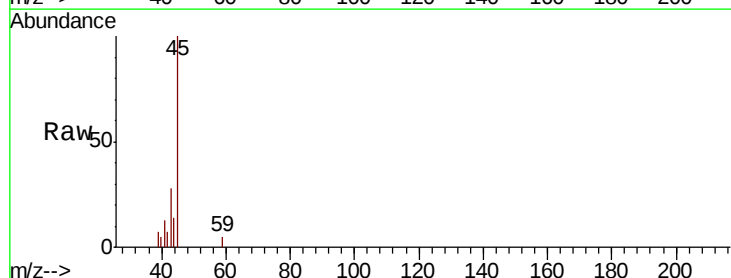
Tgt Ion: 41 Resp: 1223

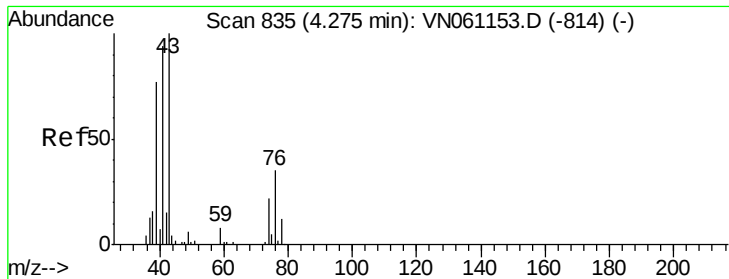
Ion Ratio Lower Upper

41 100

39 54.7 57.1 85.7#

76 0.0 24.3 36.5#

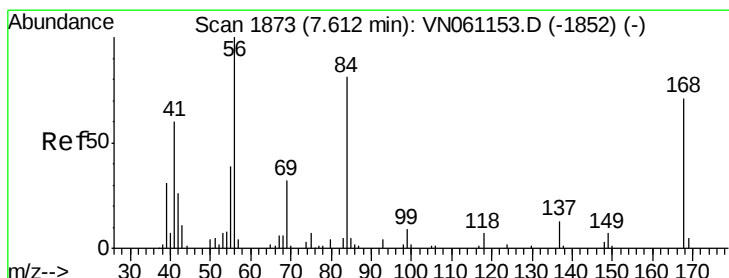
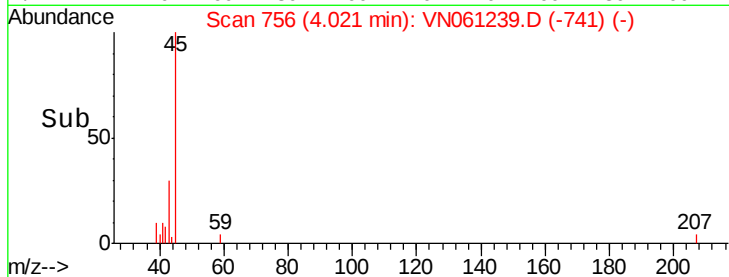
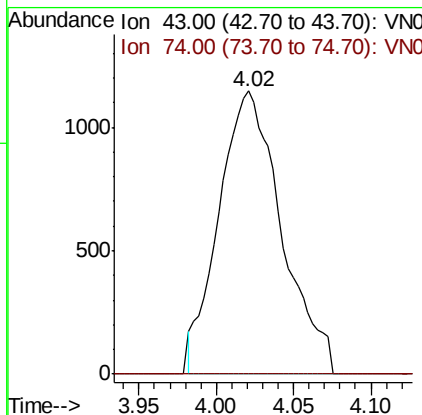
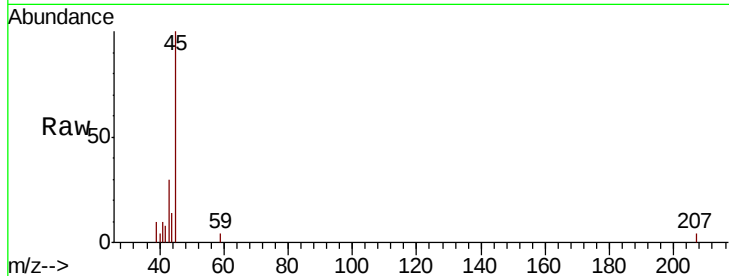




#18
Methvl Acetate
Concen: 2.160 ug/l
RT: 4.02 min Scan# 756
Delta R.T. -0.25 min
Lab File: VN061239.D
Acq: 1 May 2020 18:37

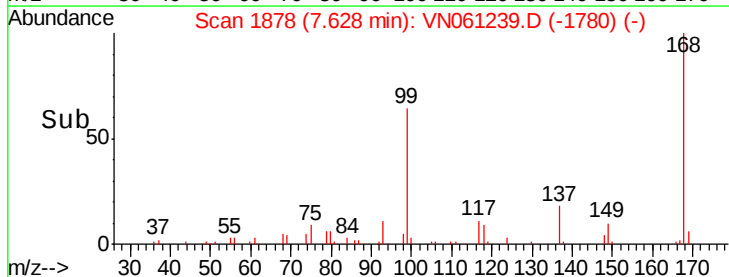
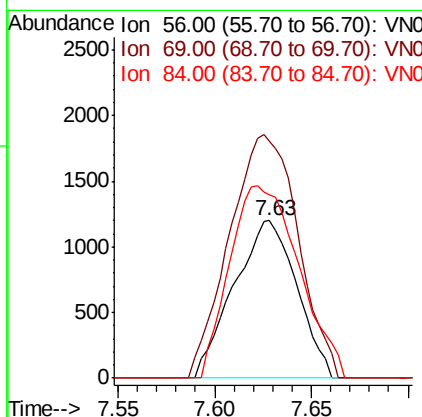
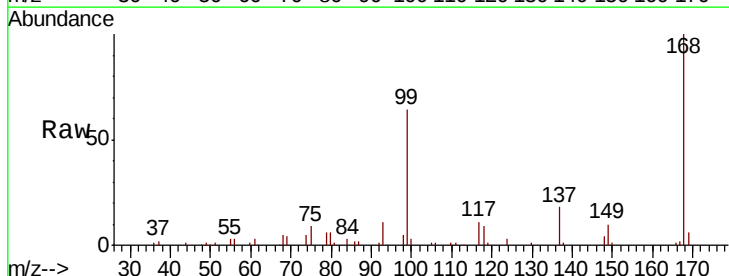
Instrument :
MSVOA_N
ClientSampled :

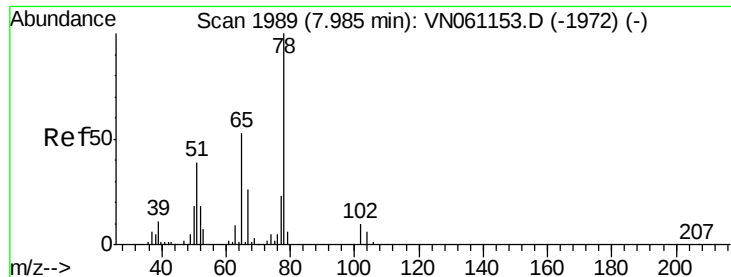
Tot Ion: 43 Resp: 3226
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#31
Cyclohexane
Concen: 1.092 ug/l
RT: 7.63 min Scan# 1878
Delta R.T. 0.02 min
Lab File: VN061239.D
Acq: 1 May 2020 18:37

Tgt Ion: 56 Resp: 2705
Ion Ratio Lower Upper
56 100
69 150.7 25.7 38.5#
84 116.8 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 50.138 ug/l

RT: 7.99 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN061239.D

Acq: 1 May 2020 18:37

Instrument :

MSVOA_N

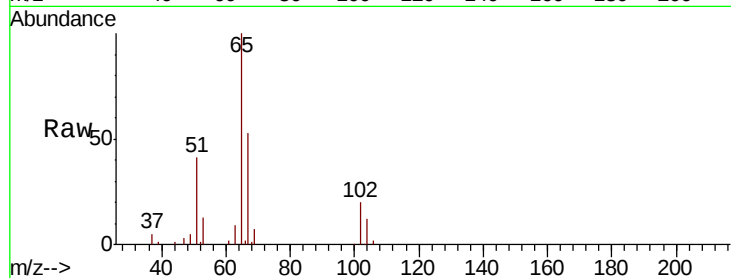
ClientSampleId :

Tot Ion: 65 Resp: 85361

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN061153.D (-1972) (-)

Ion 66.90 (66.60 to 67.60): VN061153.D (-1972) (-)

7.99

40000

30000

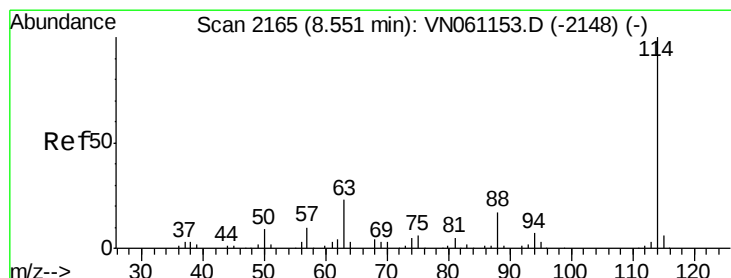
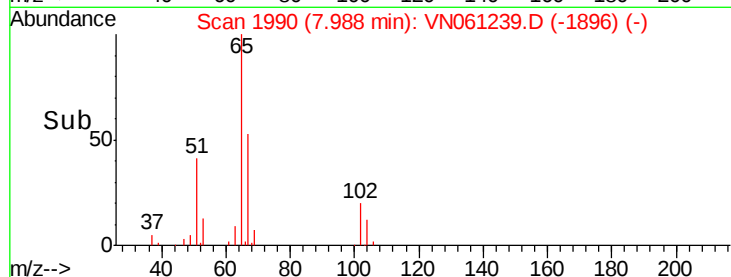
20000

10000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VN061239.D

Acq: 1 May 2020 18:37

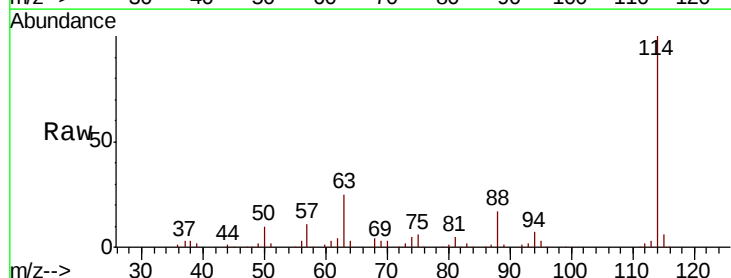
Tgt Ion: 114 Resp: 193542

Ion Ratio Lower Upper

114 100

63 24.7 0.0 46.6

88 17.0 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VN061153.D (-2148) (-)

Ion 63.00 (62.70 to 63.70): VN061153.D (-2148) (-)

Ion 87.90 (87.60 to 88.60): VN061153.D (-2148) (-)

8.55

120000

100000

80000

60000

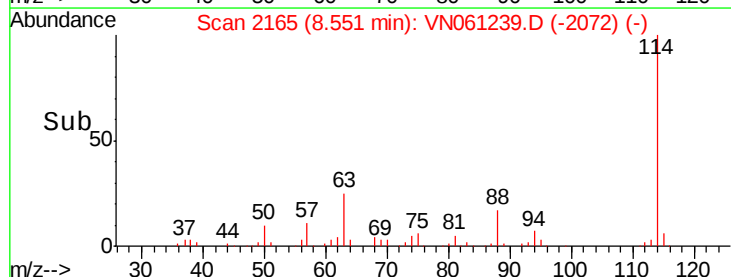
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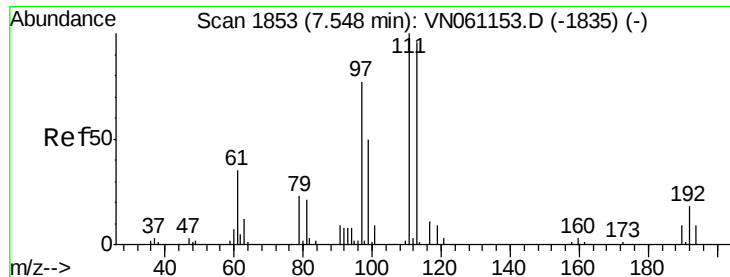
20000

0

8.50 8.60 8.70

Time-->

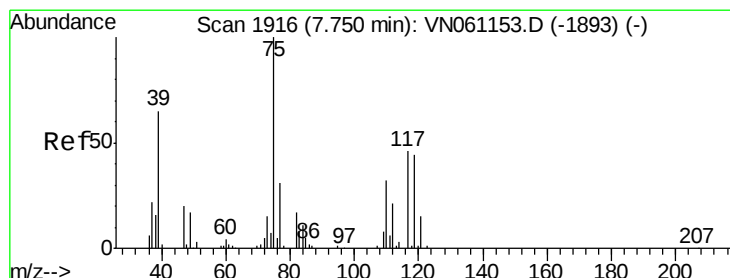
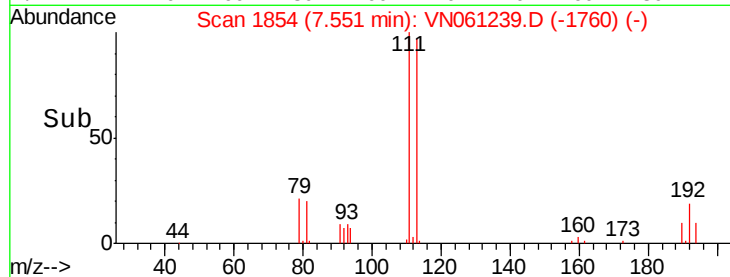
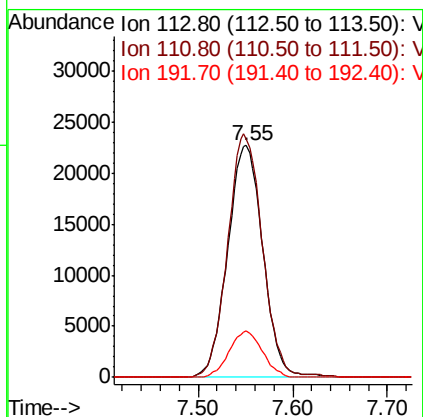
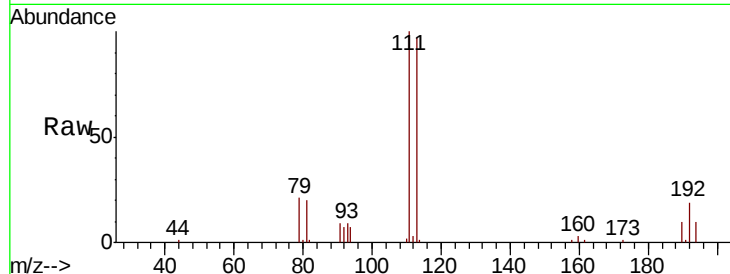




#35
 Dibromofluoromethane
 Concen: 51.391 ug/l
 RT: 7.55 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VN061239.D
 Acq: 1 May 2020 18:37

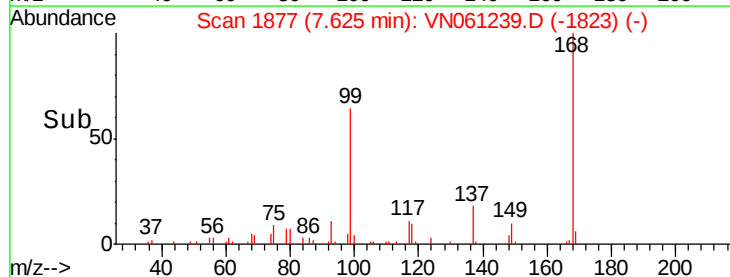
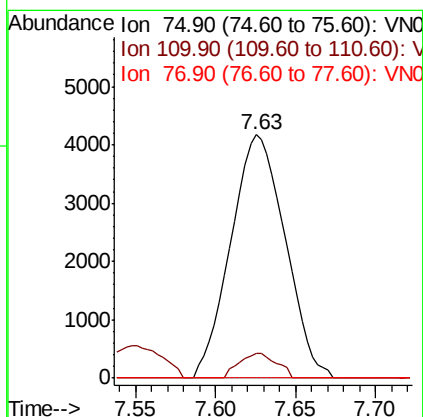
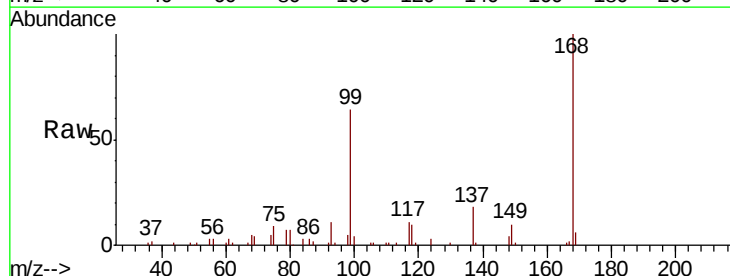
Instrument :
 MSVOA_N
 ClientSampleId :

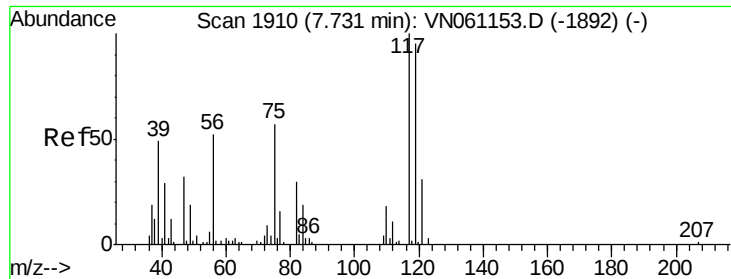
Tot Ion:113 Resp: 58815
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.9 124.3
 192 18.7 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 5.012 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061239.D
 Acq: 1 May 2020 18:37

Tgt Ion: 75 Resp: 9711
 Ion Ratio Lower Upper
 75 100
 110 7.0 16.0 48.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 8.192 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061239.D

Acq: 1 May 2020 18:37

Instrument :

MSVOA_N

ClientSampled :

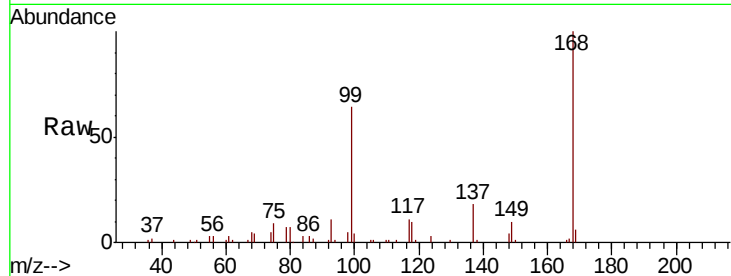
Tot Ion:117 Resp: 10939

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

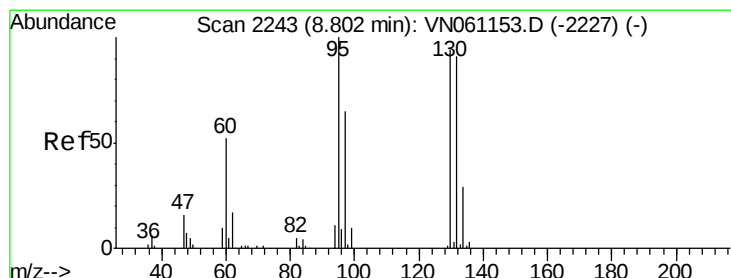
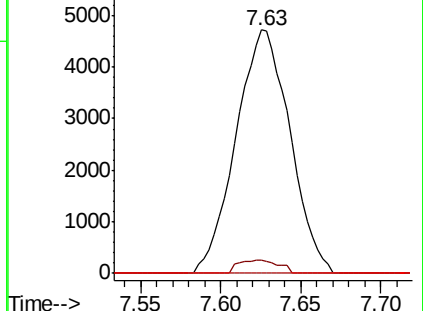
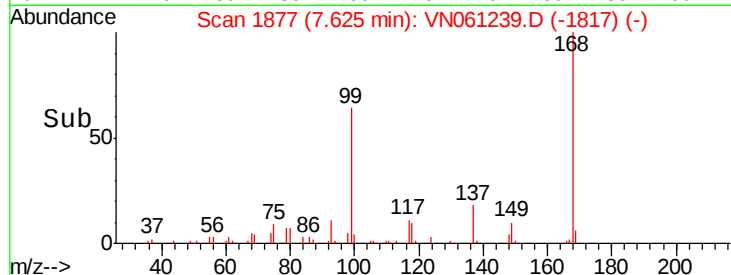
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.280 ug/l

RT: 8.81 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VN061239.D

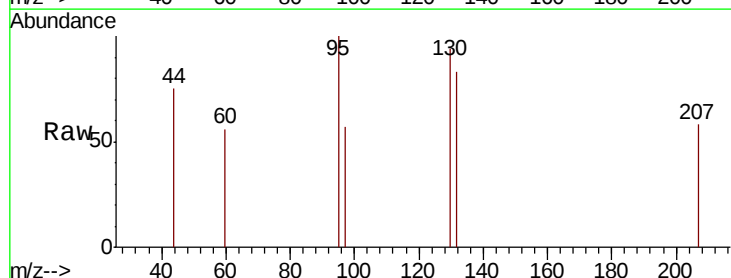
Acq: 1 May 2020 18:37

Tgt Ion:130 Resp: 437

Ion Ratio Lower Upper

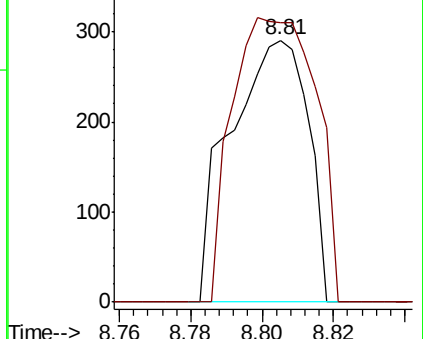
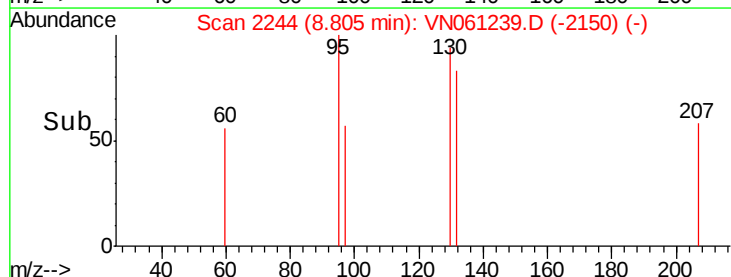
130 100

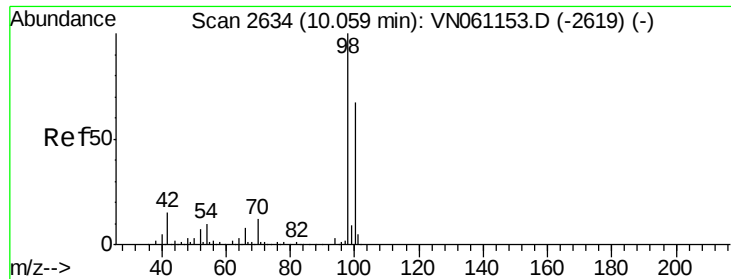
95 106.9 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 51.846 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061239.D

Acq: 1 May 2020 18:37

Instrument :

MSVOA_N

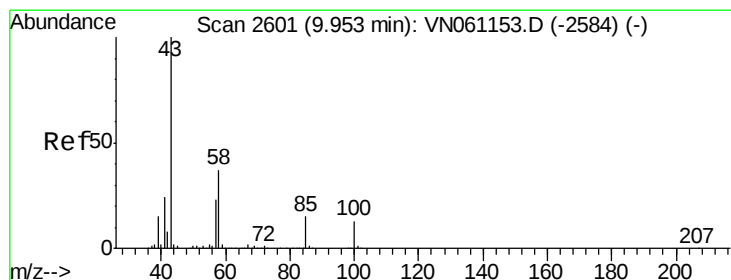
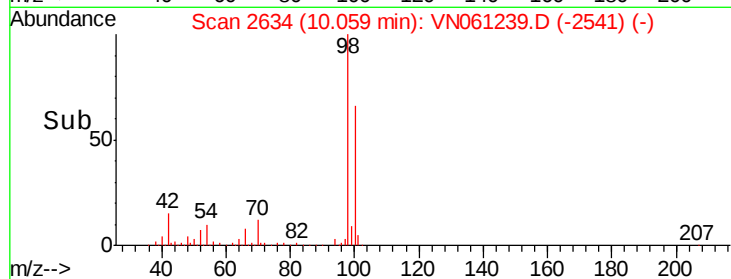
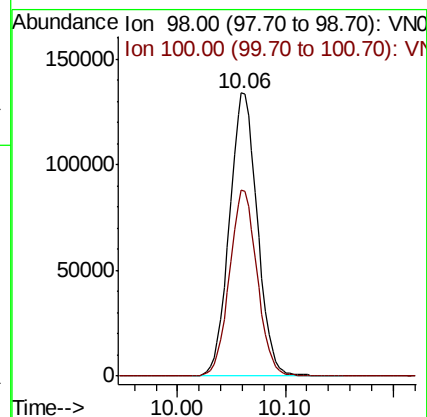
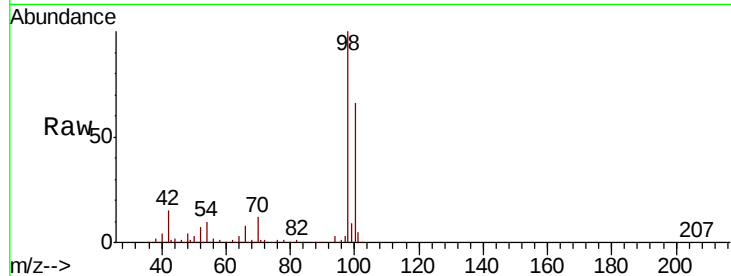
ClientSampled :

Tot Ion: 98 Resp: 241885

Ion Ratio Lower Upper

98 100

100 65.1 53.4 80.0



#51

4-Methyl-2-Pentanone

Concen: 0.599 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.11 min

Lab File: VN061239.D

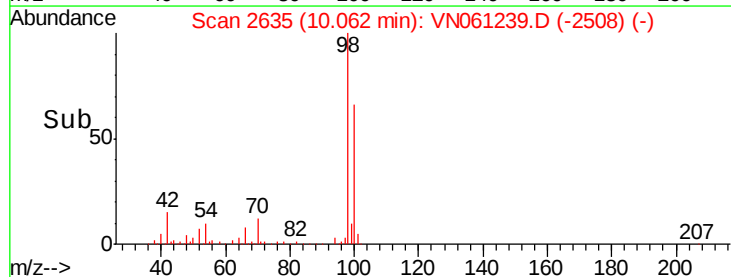
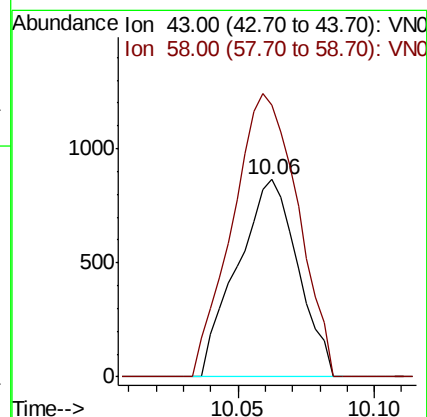
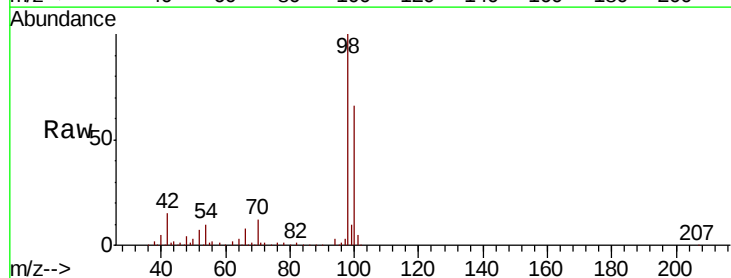
Acq: 1 May 2020 18:37

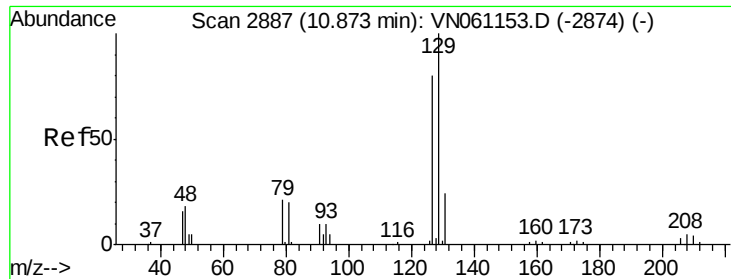
Tgt Ion: 43 Resp: 1329

Ion Ratio Lower Upper

43 100

58 155.5 29.1 43.7#

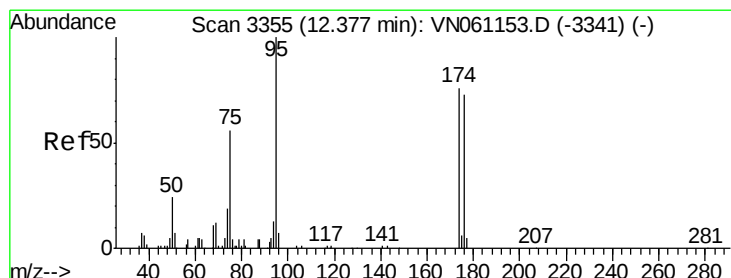
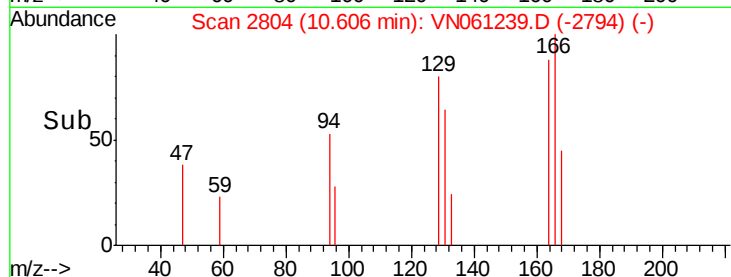
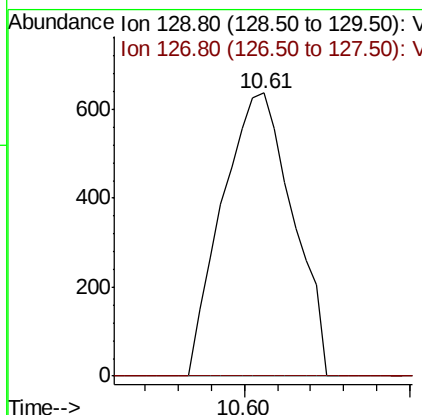
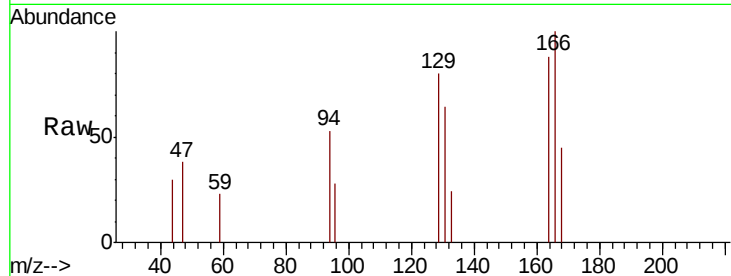




#60
Dibromochloromethane
Concen: 0.649 ug/l
RT: 10.61 min Scan# 2804
Delta R.T. -0.27 min
Lab File: VN061239.D
Acq: 1 May 2020 18:37

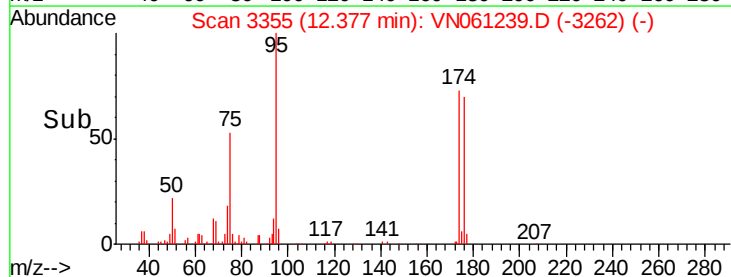
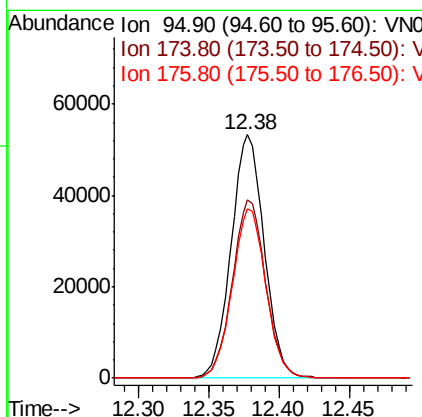
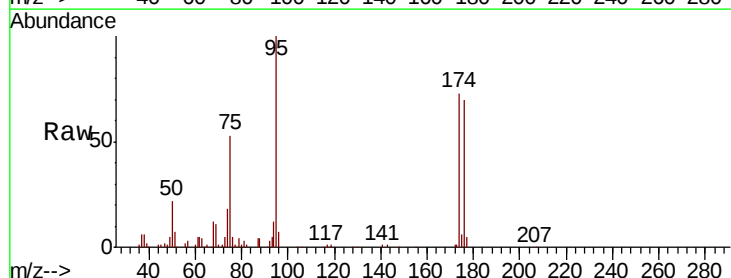
Instrument :
MSVOA_N
ClientSampled :

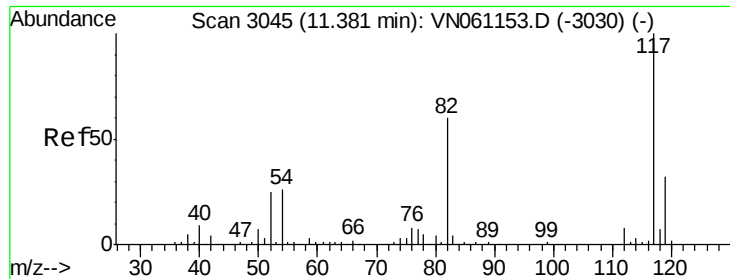
Tot Ion:129 Resp: 943
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#



#62
4-Bromofluorobenzene
Concen: 49.915 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061239.D
Acq: 1 May 2020 18:37

Tgt Ion: 95 Resp: 87635
Ion Ratio Lower Upper
95 100
174 73.4 0.0 149.4
176 70.3 0.0 144.8

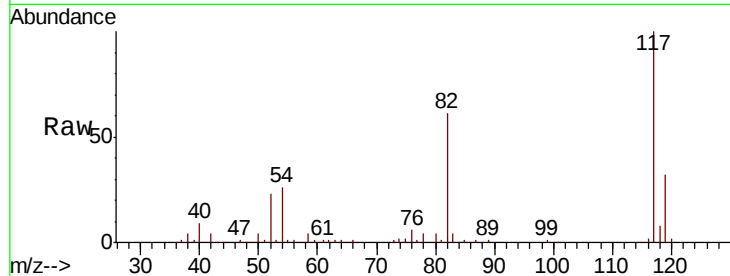




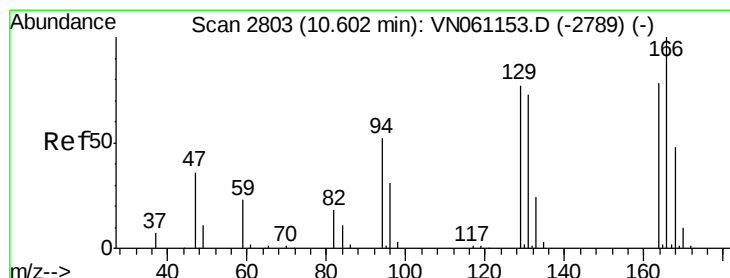
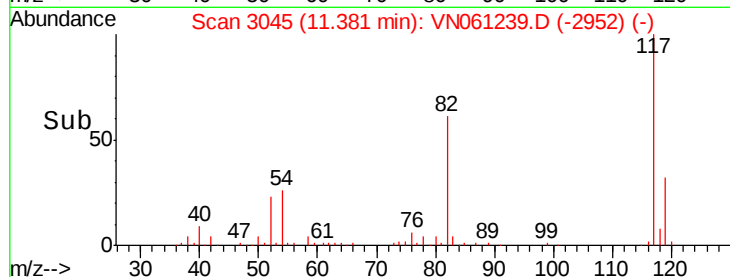
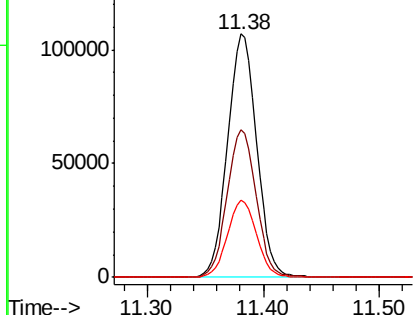
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061239.D
Acq: 1 May 2020 18:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 185037
Ion Ratio Lower Upper
117 100
82 60.7 47.8 71.8
119 31.7 25.8 38.6

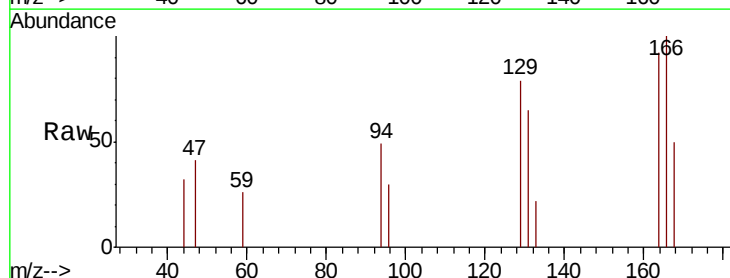


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

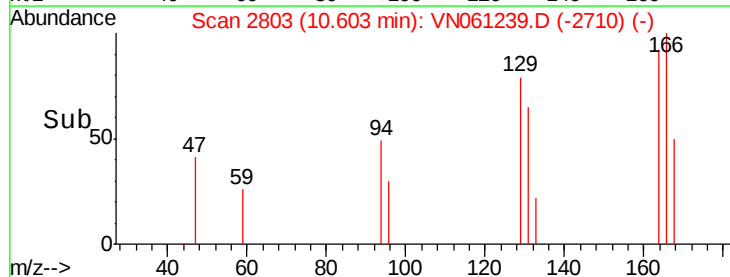
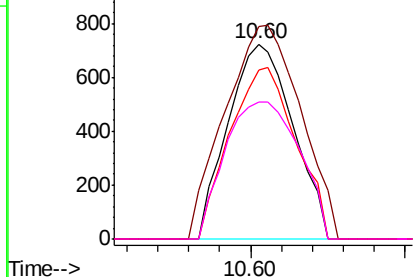


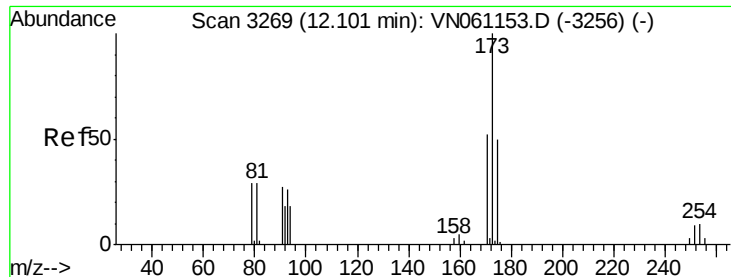
#64
Tetrachloroethene
Concen: 0.658 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061239.D
Acq: 1 May 2020 18:37

Tgt Ion:164 Resp: 1054
Ion Ratio Lower Upper
164 100
166 109.3 102.0 153.0
129 86.7 78.2 117.2
131 70.5 74.5 111.7#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 0.409 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. 0.27 min

Lab File: VN061239.D

Acq: 1 May 2020 18:37

Instrument :

MSVOA_N

ClientSampled :

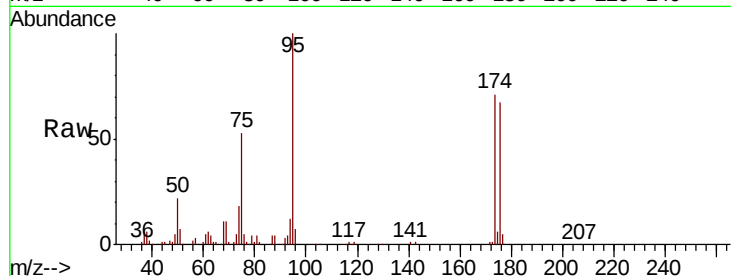
Tot Ion:173 Resp: 395

Ion Ratio Lower Upper

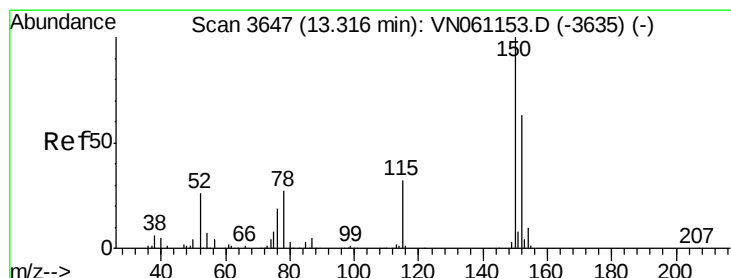
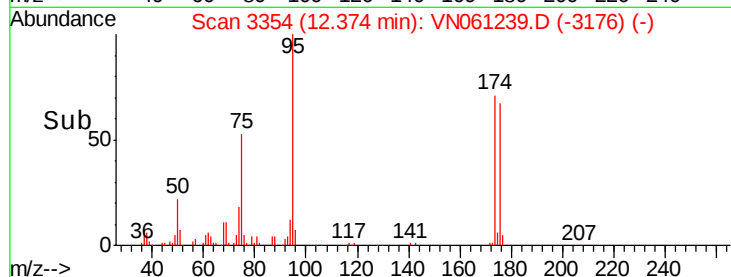
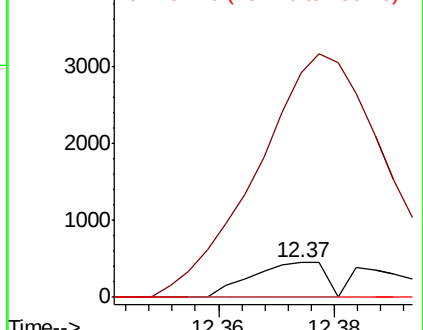
173 100

175 1046.8 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: VN061239.D

Acq: 1 May 2020 18:37

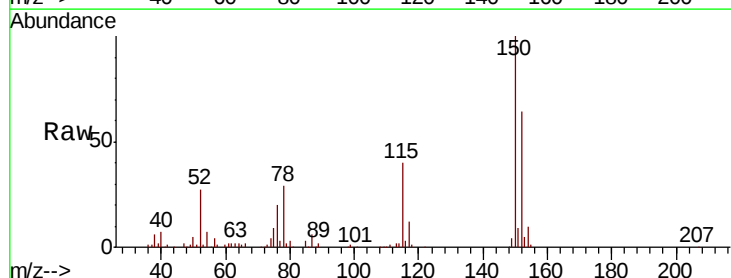
Tgt Ion:152 Resp: 79928

Ion Ratio Lower Upper

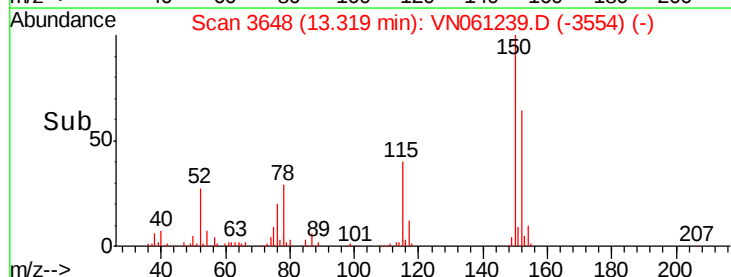
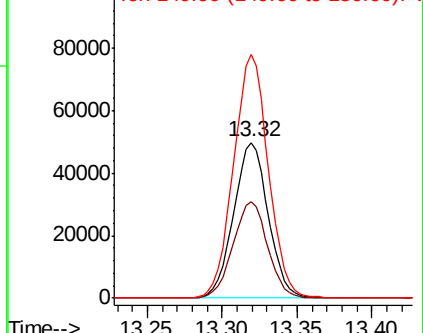
152 100

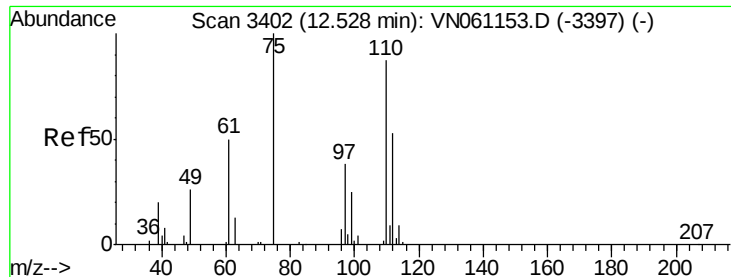
115 62.2 31.0 93.0

150 157.7 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: 27.795 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061239.D

Acq: 1 May 2020 18:37

Instrument :

MSVOA_N

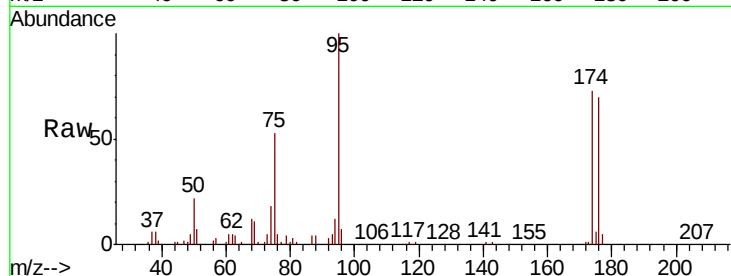
ClientSampleId :

Tot Ion: 75 Resp: 46838

Ion Ratio Lower Upper

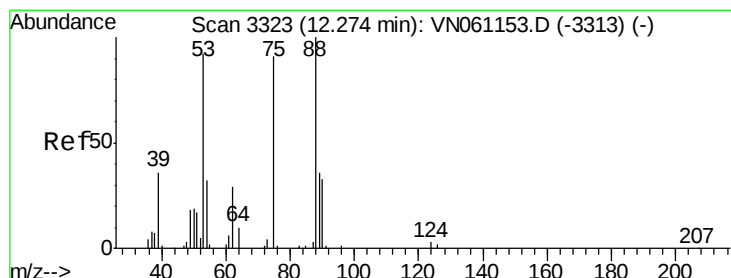
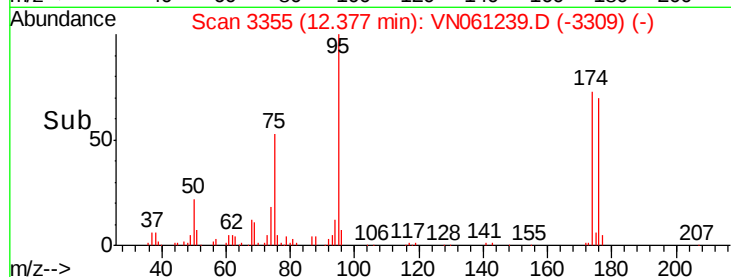
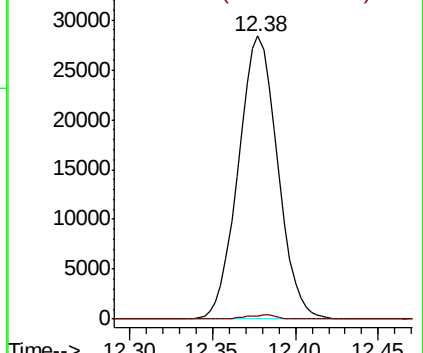
75 100

77 1.1 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: 70.586 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061239.D

Acq: 1 May 2020 18:37

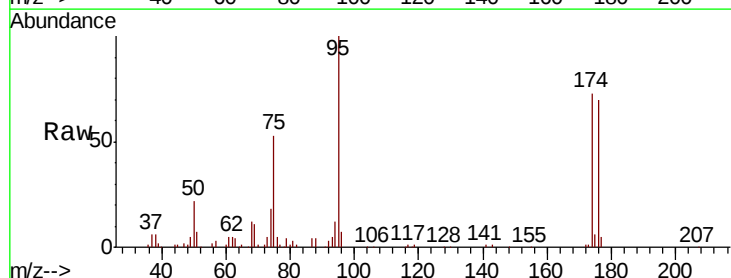
Tgt Ion: 75 Resp: 46838

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

