

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061238.D
 Acq On : 1 May 2020 18:13
 Operator : JC/MD
 Sample : L2467-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 04 00:56:14 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	106378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	189288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	183711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81309	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	84201	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	7.55	113	57616	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	10.06	98	237200	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.38	95	86955	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	

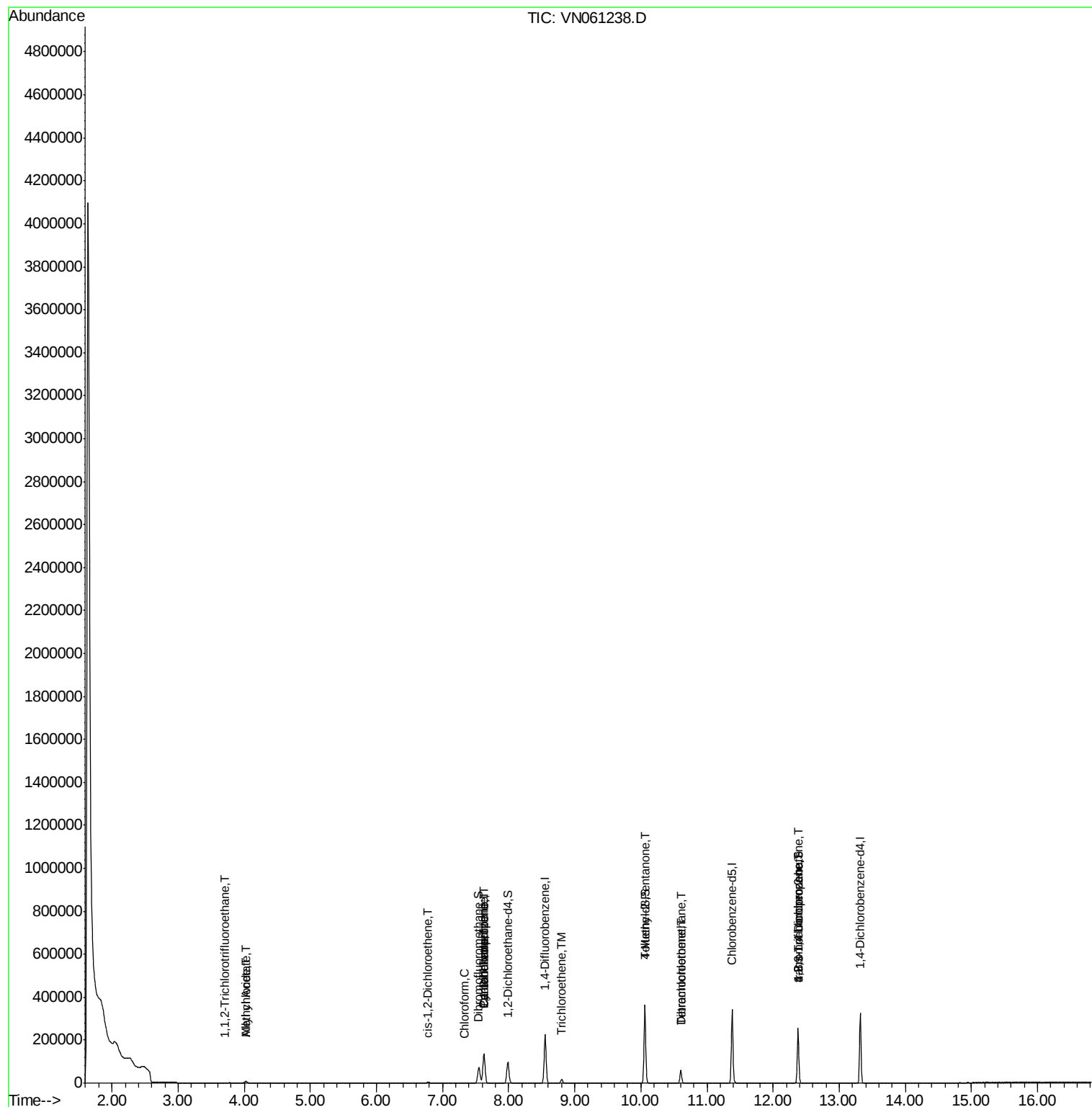
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.71	101	250	0.222	ug/l #	48
14) Allyl chloride	4.02	41	908	0.436	ug/l #	49
18) Methyl Acetate	4.02	43	3501	2.304	ug/l #	55
27) cis-1,2-Dichloroethene	6.78	96	2465	1.719	ug/l	85
30) Chloroform	7.33	83	821	0.321	ug/l	97
31) Cyclohexane	7.62	56	2621	1.070	ug/l #	5
36) 1,1-Dichloropropene	7.63	75	9001	4.750	ug/l #	51
38) Carbon Tetrachloride	7.63	117	10943	8.327	ug/l #	18
44) Trichloroethene	8.80	130	5908	3.871	ug/l	95
51) 4-Methyl-2-Pentanone	10.06	43	1285	0.592	ug/l #	1
60) Dibromochloromethane	10.60	129	13123	9.238	ug/l #	10
64) Tetrachloroethene	10.60	164	13603	8.549	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	46521	27.138	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	46521	68.917	ug/l #	8

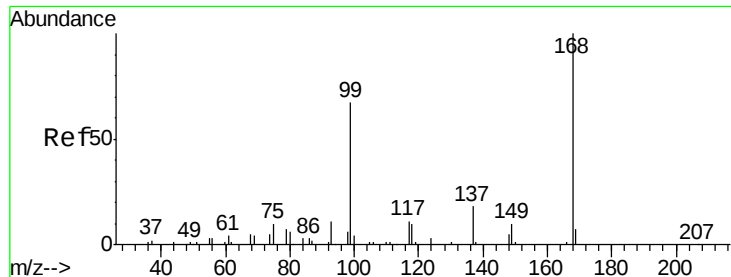
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050120\
Data File : VN061238.D
Acq On : 1 May 2020 18:13
Operator : JC/MD
Sample : L2467-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 04 00:56:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061238.D

Acq: 1 May 2020 18:13

Instrument :

MSVOA_N

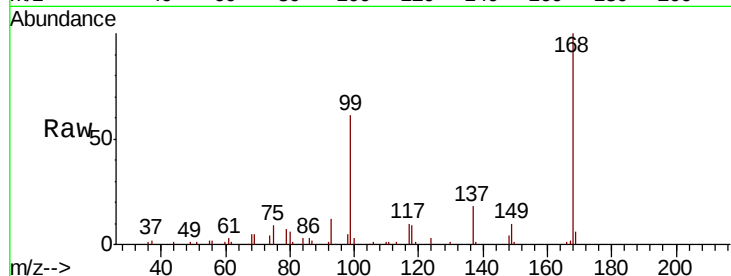
ClientSampled :

Tot Ion:168 Resp: 106378

Ion Ratio Lower Upper

168 100

99 60.6 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

50000

40000

30000

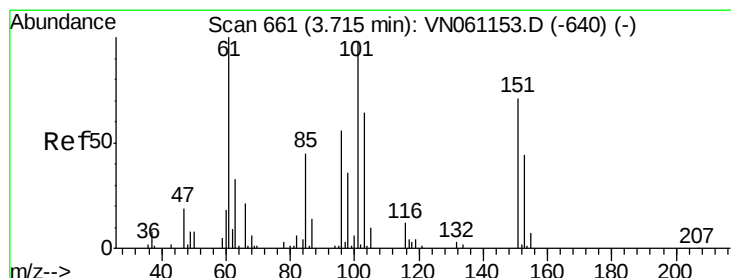
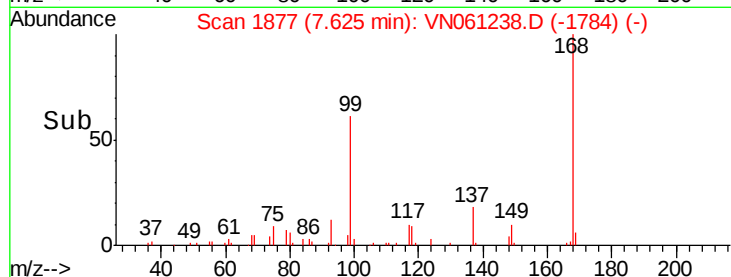
20000

10000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.222 ug/l

RT: 3.71 min Scan# 659

Delta R.T. -0.01 min

Lab File: VN061238.D

Acq: 1 May 2020 18:13

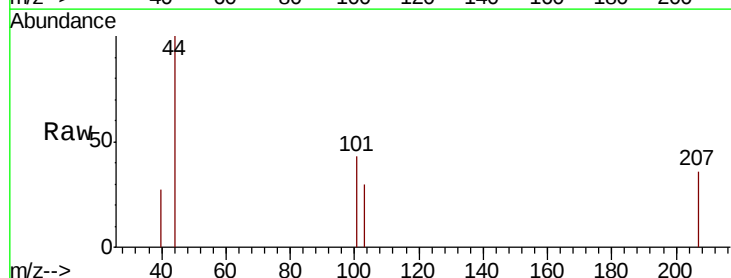
Tgt Ion:101 Resp: 250

Ion Ratio Lower Upper

101 100

85 0.0 37.2 55.8#

151 38.4 57.7 86.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

300

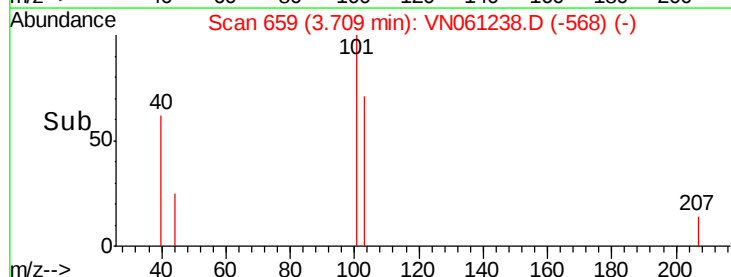
200

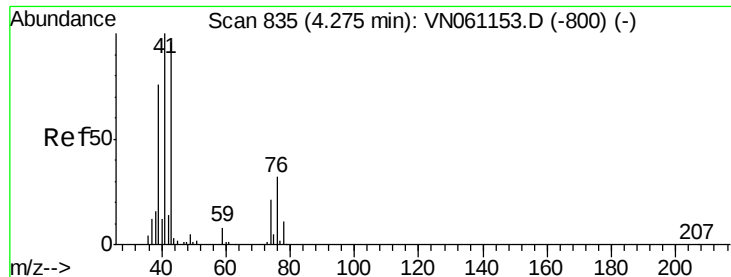
100

0

Time-->

3.69 3.70 3.71 3.72

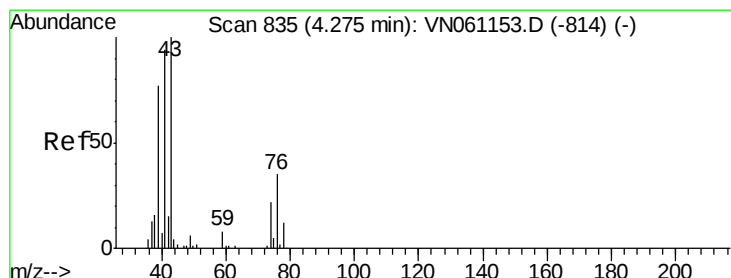
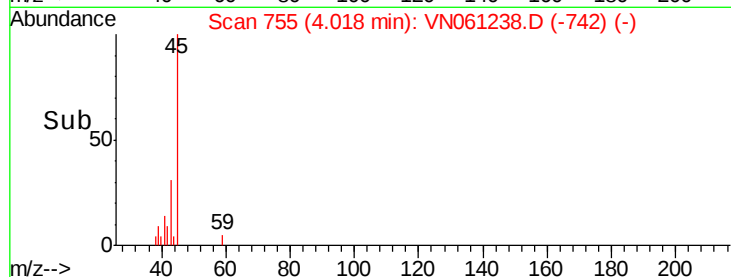
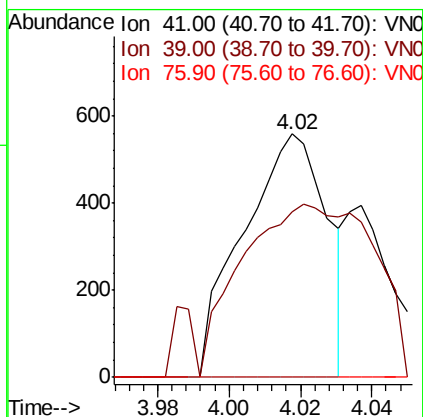
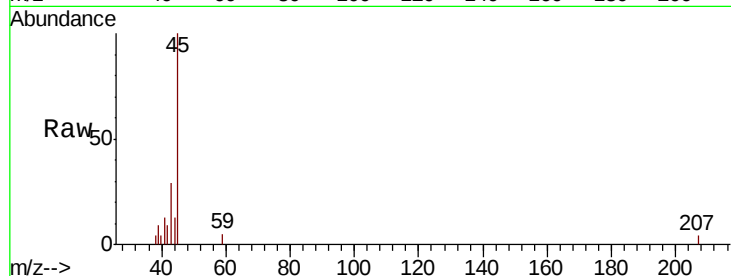




#14
Allvl chloride
Concen: 0.436 ug/l
RT: 4.02 min Scan# 755
Delta R.T. -0.26 min
Lab File: VN061238.D
Acq: 1 May 2020 18:13

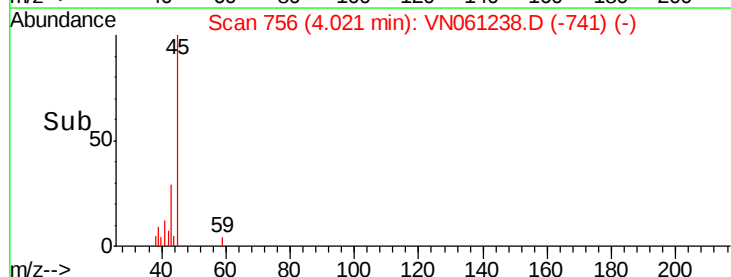
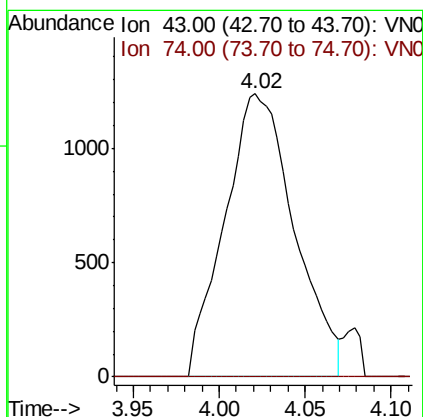
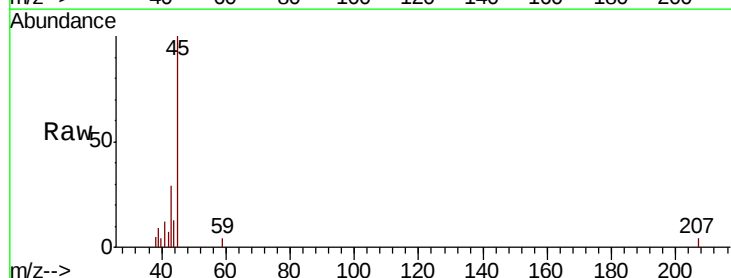
Instrument :
MSVOA_N
ClientSampled :

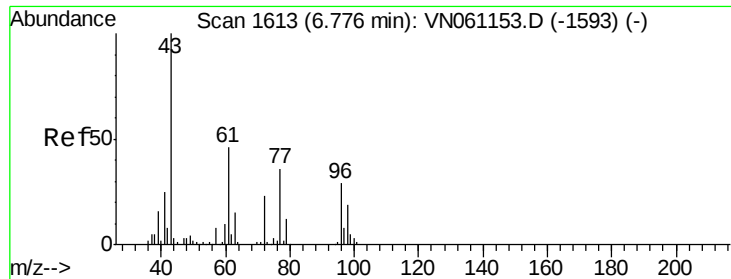
Tot Ion: 41 Resp: 908
Ion Ratio Lower Upper
41 100
39 112.2 57.1 85.7#
76 0.0 24.3 36.5#



#18
Methyl Acetate
Concen: 2.304 ug/l
RT: 4.02 min Scan# 756
Delta R.T. -0.25 min
Lab File: VN061238.D
Acq: 1 May 2020 18:13

Tgt Ion: 43 Resp: 3501
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#





#27

cis-1,2-Dichloroethene

Concen: 1.719 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061238.D

Acq: 1 May 2020 18:13

Instrument :
MSVOA_N
ClientSampled :

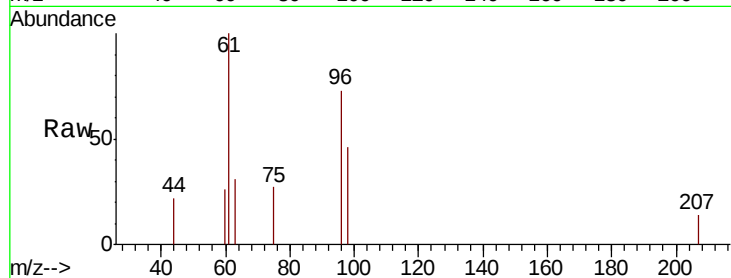
Tot Ion: 96 Resp: 2465

Ion Ratio Lower Upper

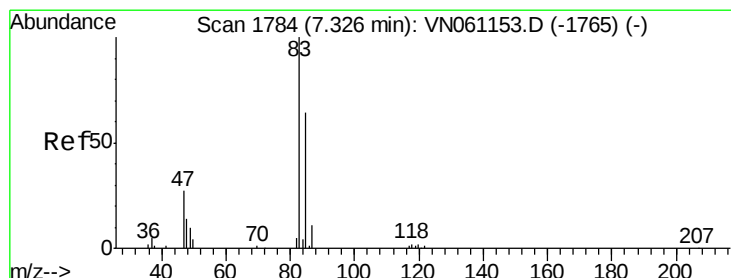
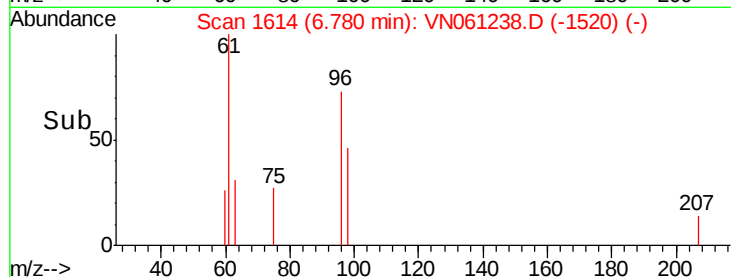
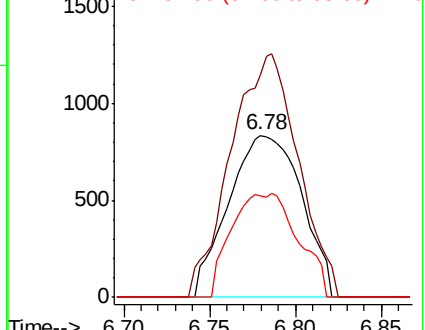
96 100

61 138.3 0.0 322.0

98 58.4 0.0 129.6



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



#30

Chloroform

Concen: 0.321 ug/l

RT: 7.33 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VN061238.D

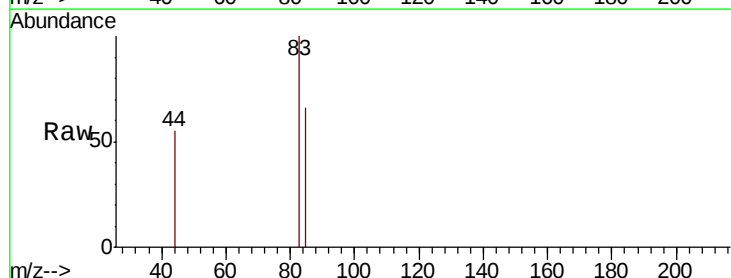
Acq: 1 May 2020 18:13

Tgt Ion: 83 Resp: 821

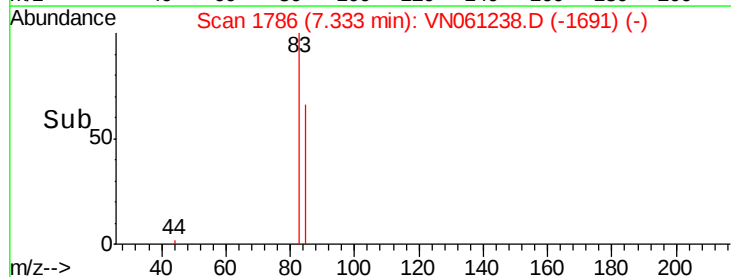
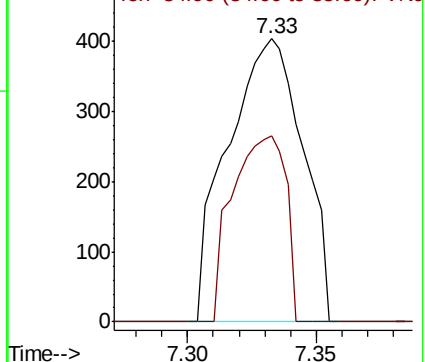
Ion Ratio Lower Upper

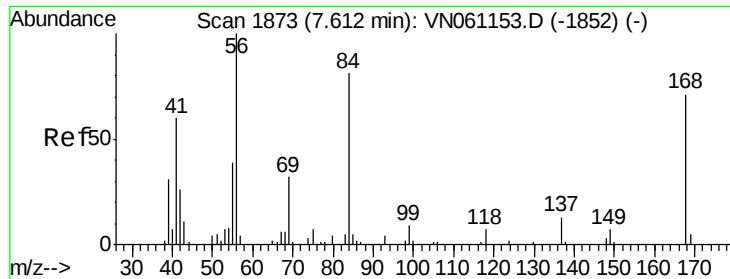
83 100

85 66.0 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

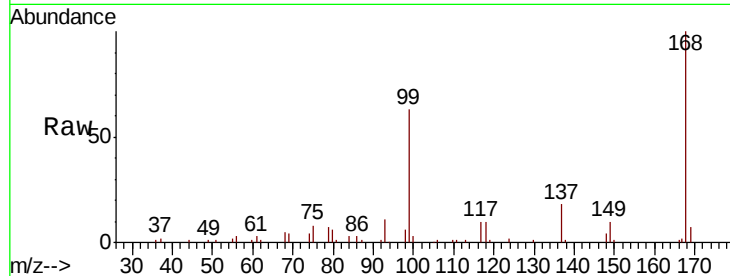




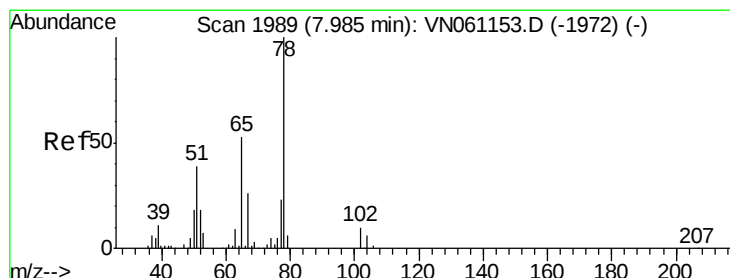
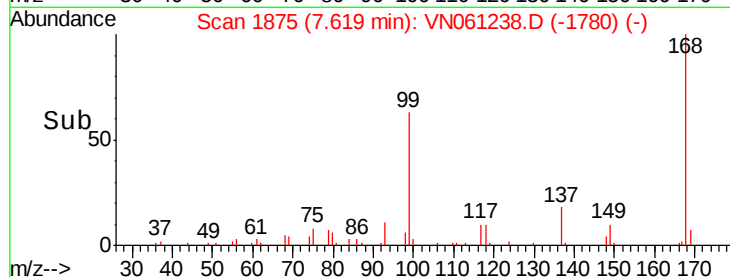
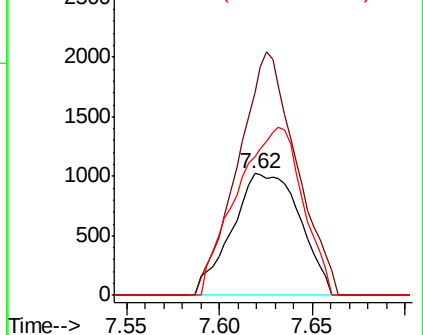
#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VN061238.D
Acq: 1 May 2020 18:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2621
Ion Ratio Lower Upper
56 100
69 166.7 25.7 38.5#
84 114.1 64.6 97.0#

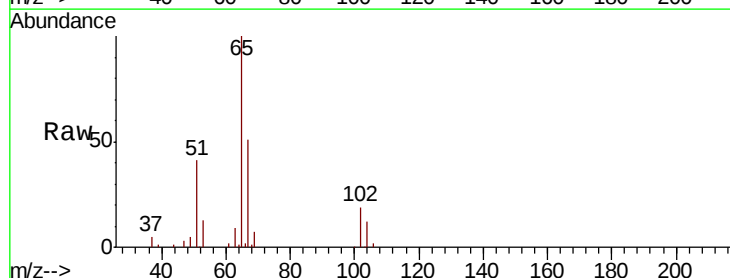


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

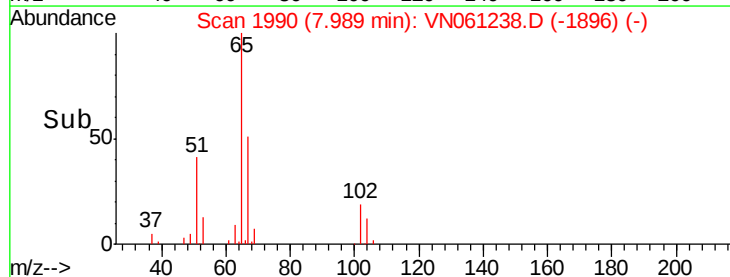
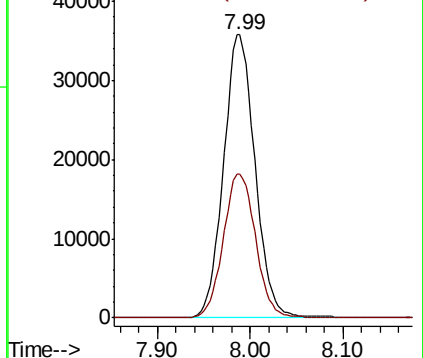


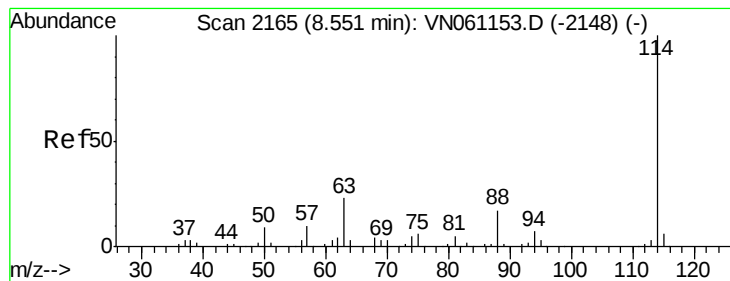
#33
1,2-Dichloroethane-d4
Concen: 50.023 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061238.D
Acq: 1 May 2020 18:13

Tgt Ion: 65 Resp: 84201
Ion Ratio Lower Upper
65 100
67 52.0 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: VN061238.D

Acq: 1 May 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

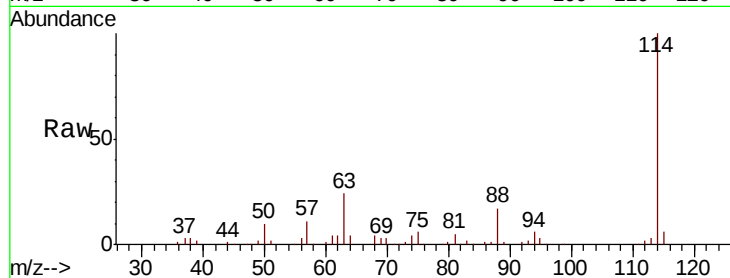
Tot Ion:114 Resp: 189288

Ion Ratio Lower Upper

114 100

63 24.1 0.0 46.6

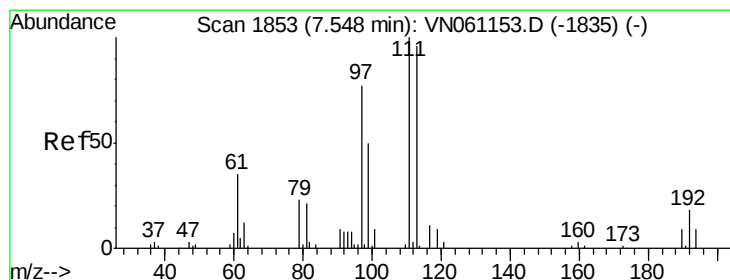
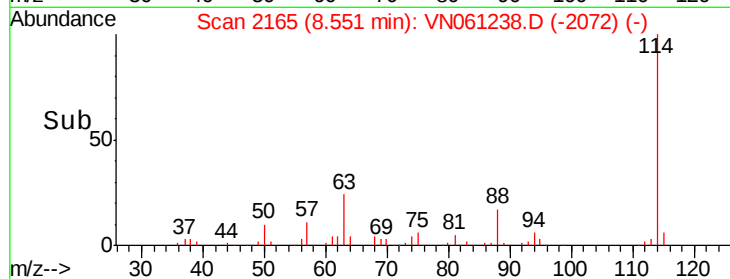
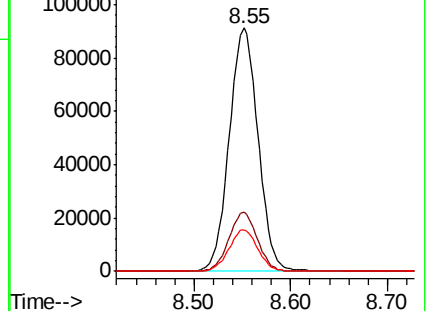
88 17.0 0.0 33.4



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: 51.475 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061238.D

Acq: 1 May 2020 18:13

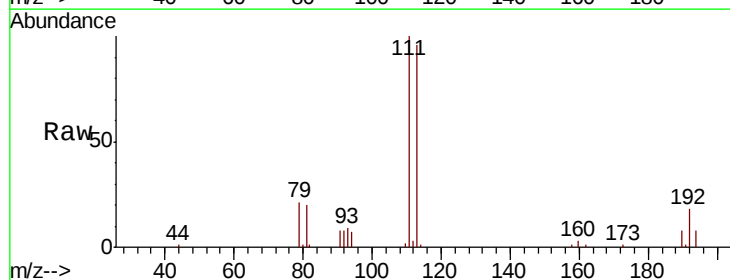
Tgt Ion:113 Resp: 57616

Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

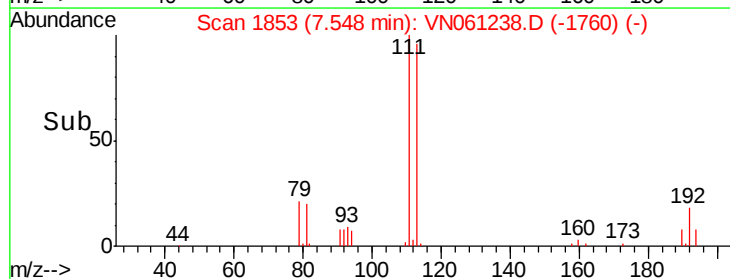
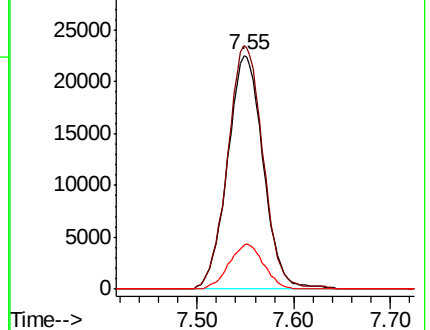
192 18.7 14.7 22.1

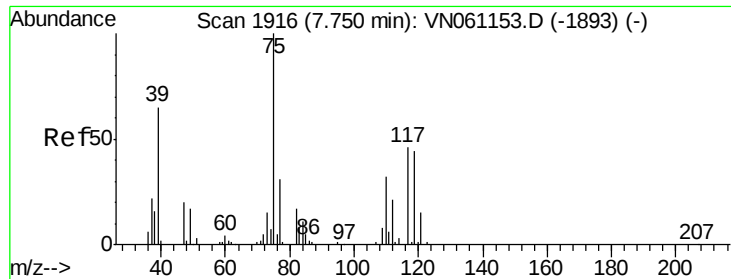


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

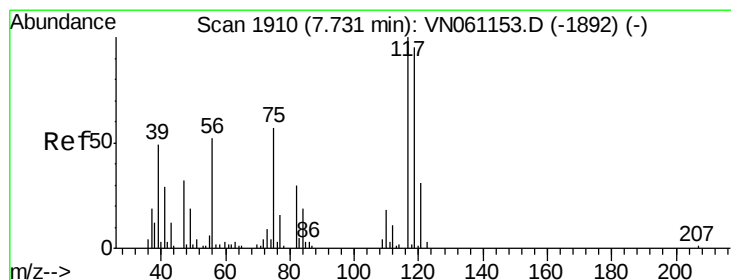
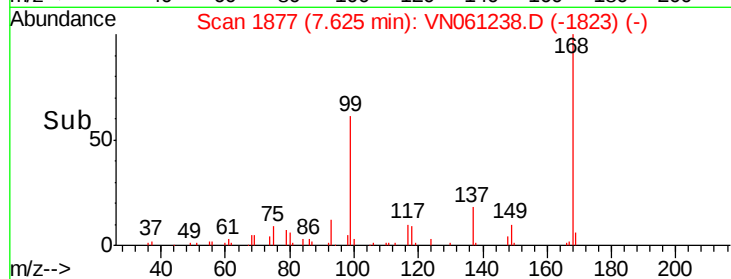
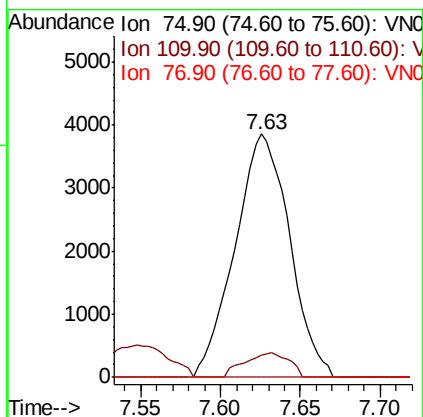
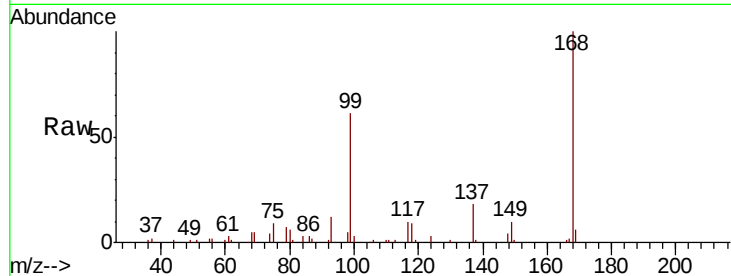




#36
 1,1-Dichloropropene
 Concen: 4.750 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061238.D
 Acq: 1 May 2020 18:13

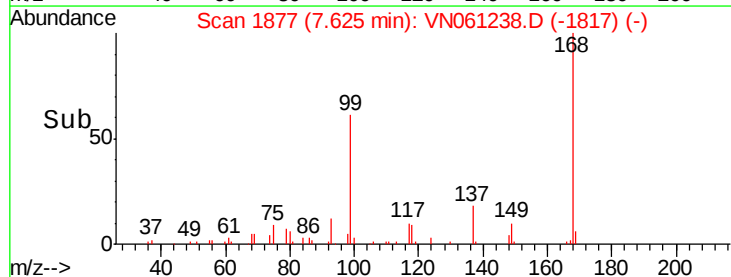
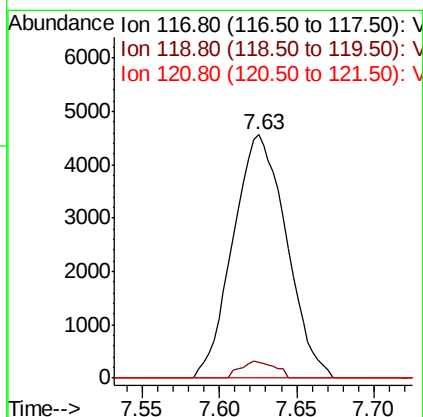
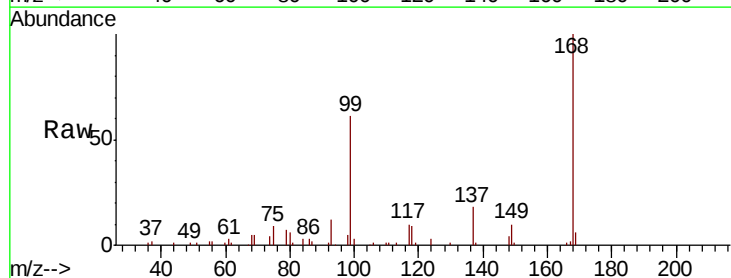
Instrument :
 MSVOA_N
 ClientSampled :

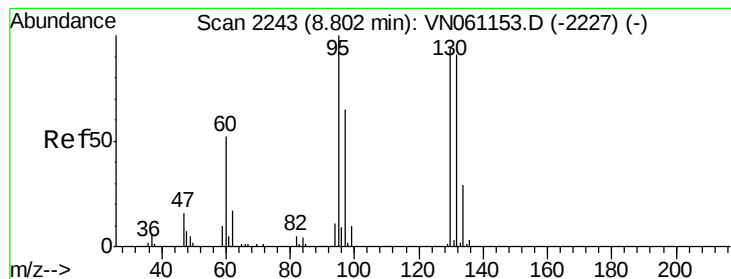
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.0	48.0#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 8.327 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.11 min
 Lab File: VN061238.D
 Acq: 1 May 2020 18:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	75.8	113.6#
121	0.0	24.7	37.1#





#44

Trichloroethene

Concen: 3.871 ug/l

RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061238.D

Acq: 1 May 2020 18:13

Instrument :

MSVOA_N

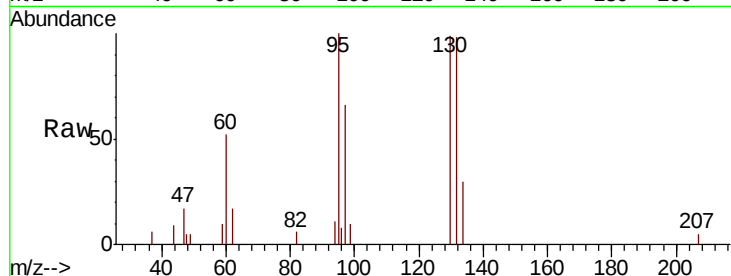
ClientSampleId :

Tot Ion:130 Resp: 5908

Ion Ratio Lower Upper

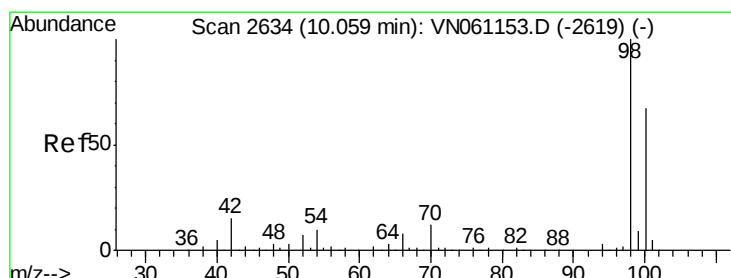
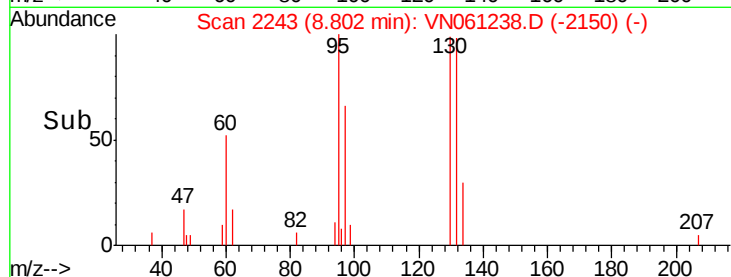
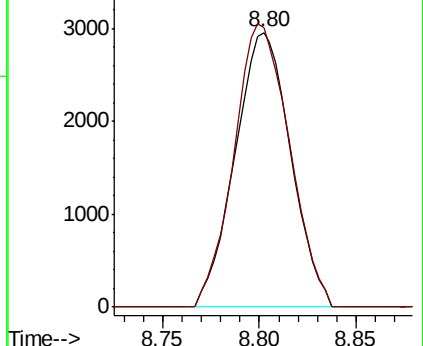
130 100

95 101.5 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061238.D (-2150) (-)

Ion 94.90 (94.60 to 95.60): VN061238.D (-2150) (-)



#50

Toluene-d8

Concen: 51.985 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061238.D

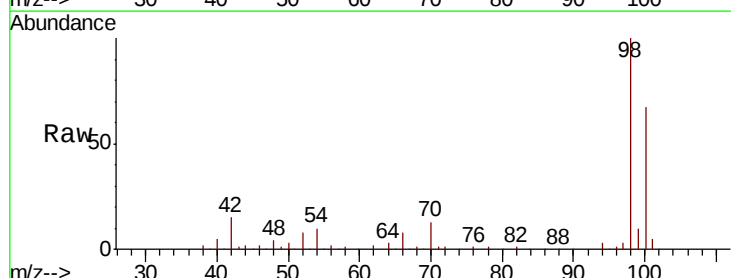
Acq: 1 May 2020 18:13

Tgt Ion: 98 Resp: 237200

Ion Ratio Lower Upper

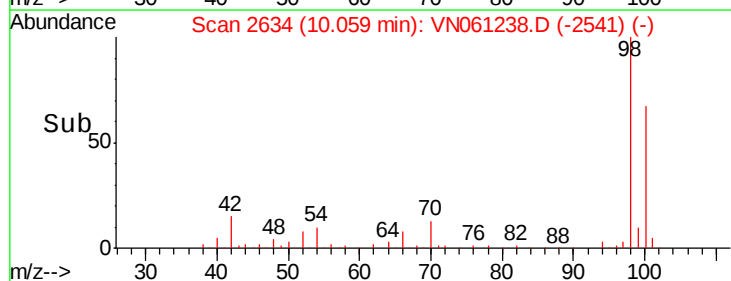
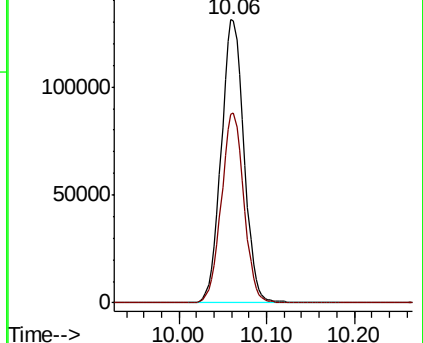
98 100

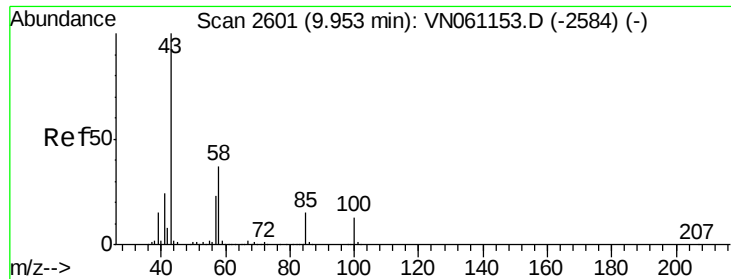
100 66.3 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN061238.D (-2541) (-)

Ion 100.00 (99.70 to 100.70): VN061238.D (-2541) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.592 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.11 min

Lab File: VN061238.D

Acq: 1 May 2020 18:13

Instrument :

MSVOA_N

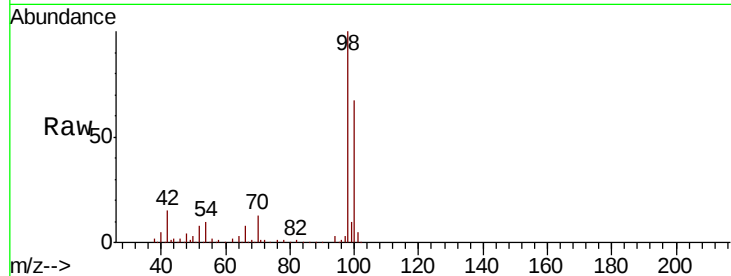
ClientSampled :

Tot Ion: 43 Resp: 1285

Ion Ratio Lower Upper

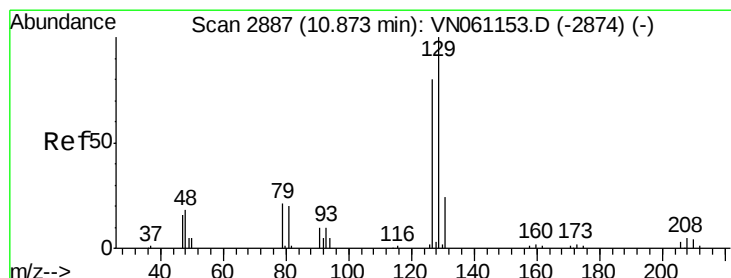
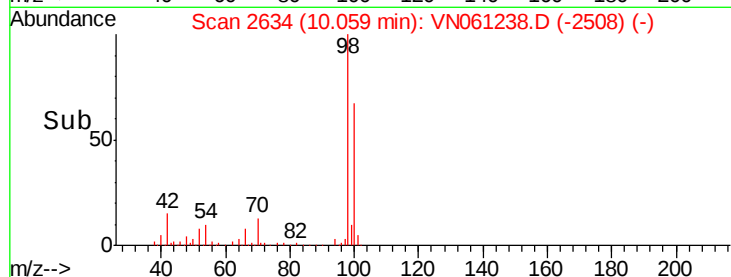
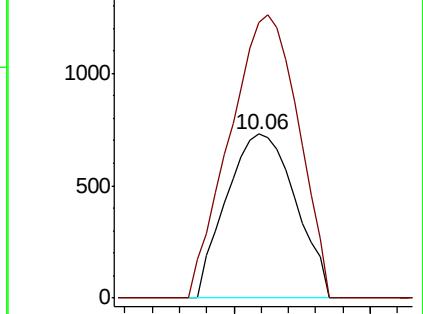
43 100

58 171.4 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)



#60

Dibromochloromethane

Concen: 9.238 ug/l

RT: 10.60 min Scan# 2803

Delta R.T. -0.27 min

Lab File: VN061238.D

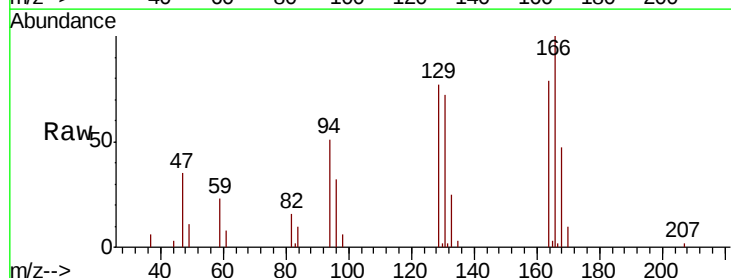
Acq: 1 May 2020 18:13

Tgt Ion: 129 Resp: 13123

Ion Ratio Lower Upper

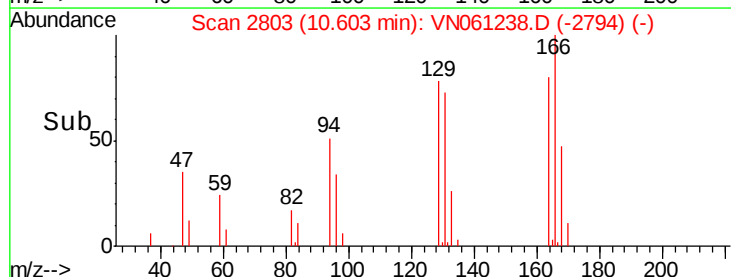
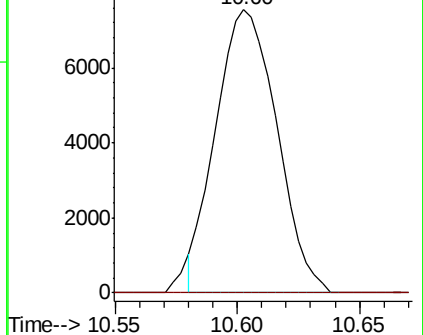
129 100

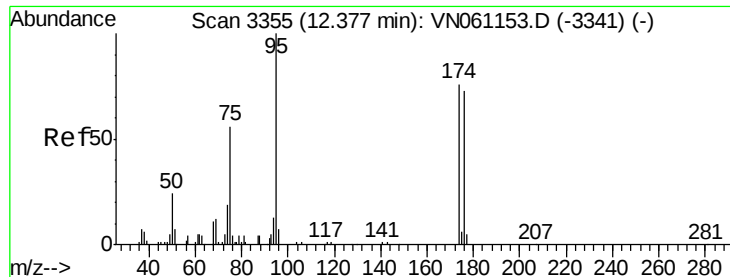
127 0.0 39.3 117.8#



Abundance Ion 128.80 (128.50 to 129.50): VN061153.D (-2874) (-)

Ion 126.80 (126.50 to 127.50): VN061153.D (-2874) (-)

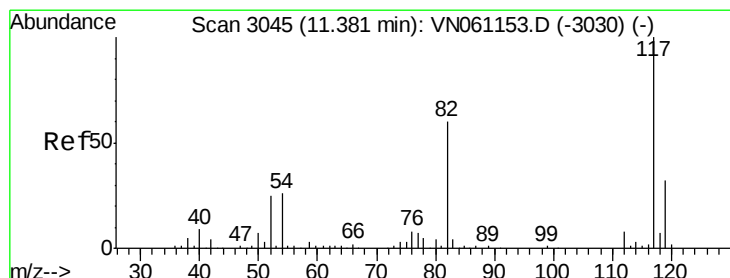
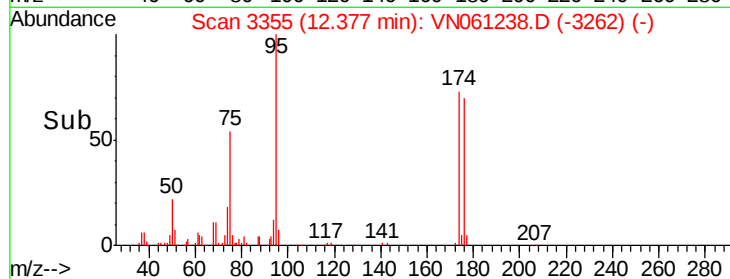
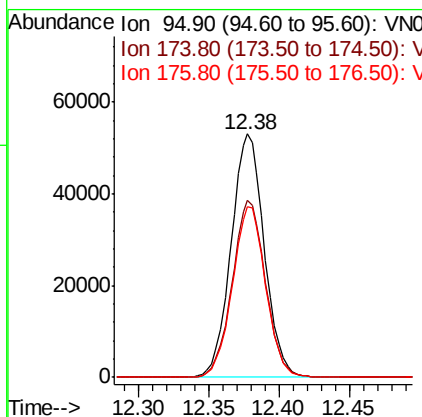
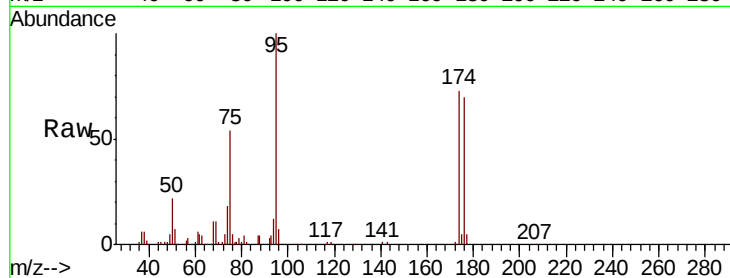




#62
4-Bromofluorobenzene
Concen: 50.641 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061238.D
Acq: 1 May 2020 18:13

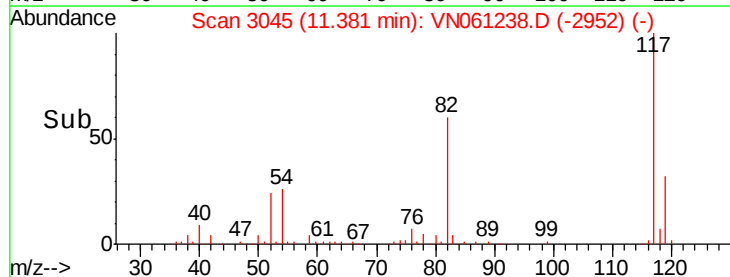
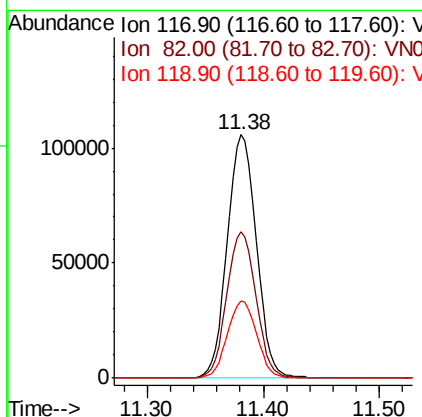
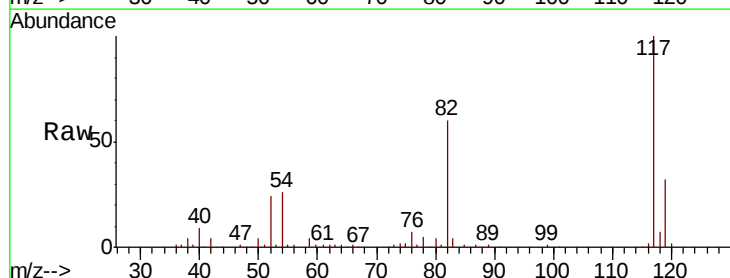
Instrument :
MSVOA_N
ClientSampleId :

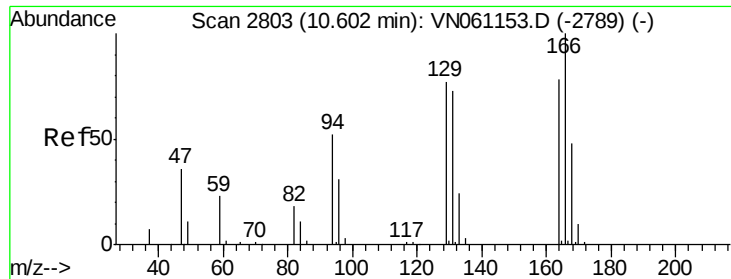
Tot Ion: 95 Resp: 86955
Ion Ratio Lower Upper
95 100
174 72.9 0.0 149.4
176 70.7 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061238.D
Acq: 1 May 2020 18:13

Tgt Ion: 117 Resp: 183711
Ion Ratio Lower Upper
117 100
82 59.9 47.8 71.8
119 31.6 25.8 38.6





#64

Tetrachloroethene

Concen: 8.549 ug/l

RT: 10.60 min Scan# 2803

Delta R.T. 0.00 min

Lab File: VN061238.D

Acq: 1 May 2020 18:13

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 13603

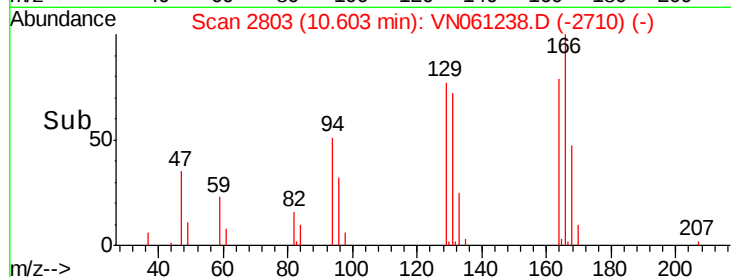
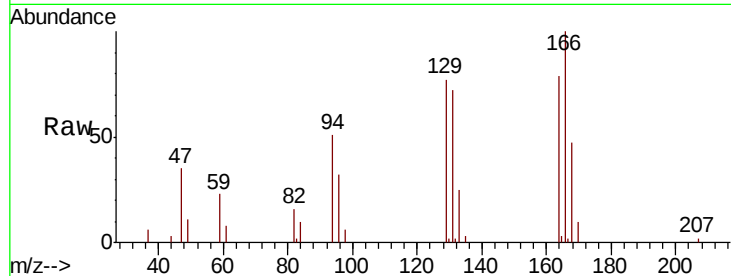
Ion Ratio Lower Upper

164 100

166 126.1 102.0 153.0

129 97.1 78.2 117.2

131 91.2 74.5 111.7

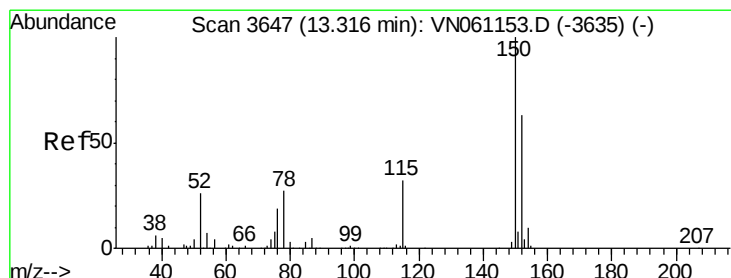
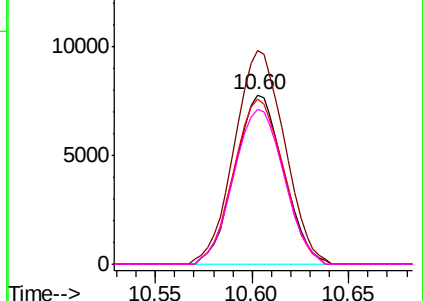


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061238.D

Acq: 1 May 2020 18:13

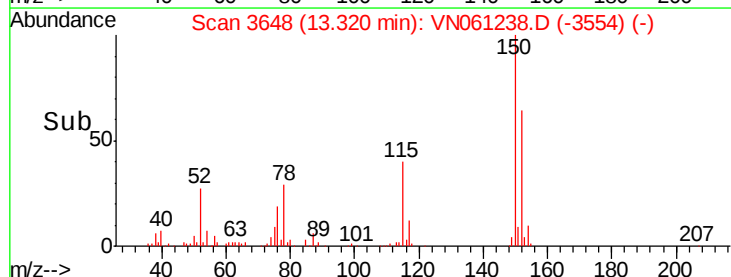
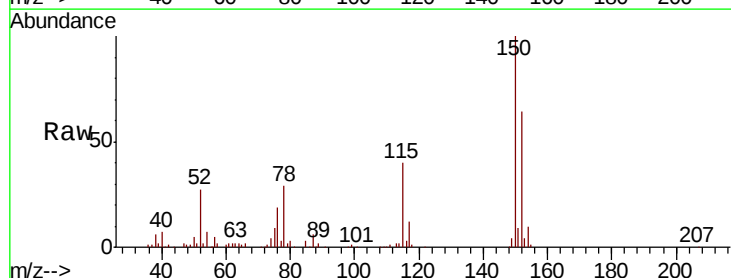
Tgt Ion:152 Resp: 81309

Ion Ratio Lower Upper

152 100

115 61.1 31.0 93.0

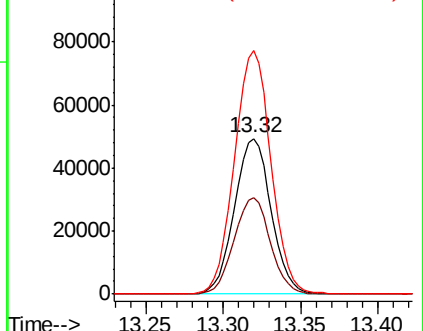
150 156.2 0.0 351.8

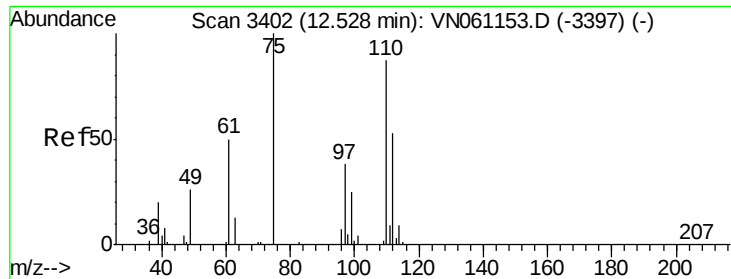


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.138 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061238.D

Acq: 1 May 2020 18:13

Instrument :

MSVOA_N

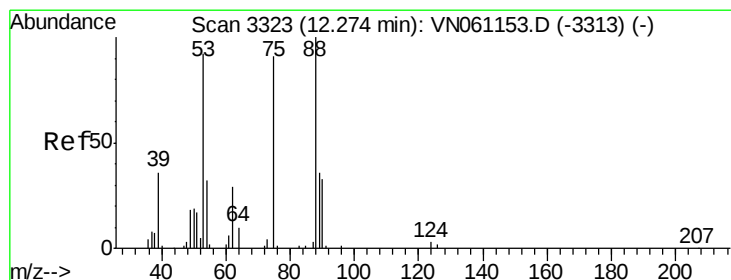
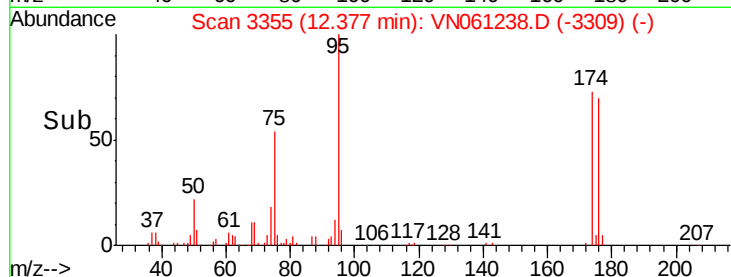
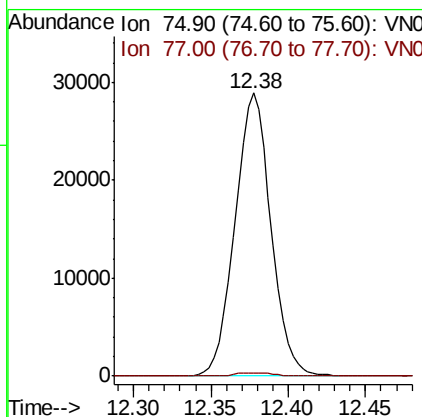
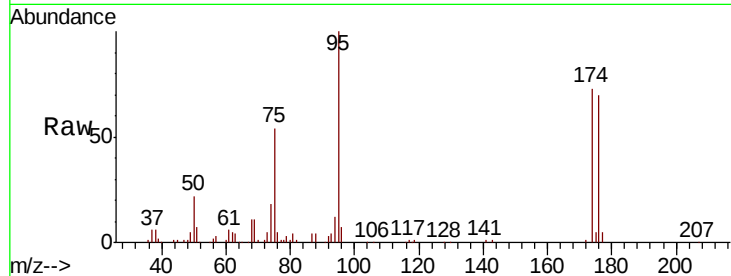
ClientSampleId :

Tot Ion: 75 Resp: 46521

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.917 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061238.D

Acq: 1 May 2020 18:13

Tgt Ion: 75 Resp: 46521

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#

