

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
 Data File : VN061167.D
 Acq On : 28 Apr 2020 16:27
 Operator : JC/MD
 Sample : L2412-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-618-620

Quant Time: Apr 29 07:58:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 02:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	102158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	182748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	176007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80089	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	81477	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
35) Dibromofluoromethane	7.55	113	55416	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
50) Toluene-d8	10.06	98	225768	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.38	95	85587	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	

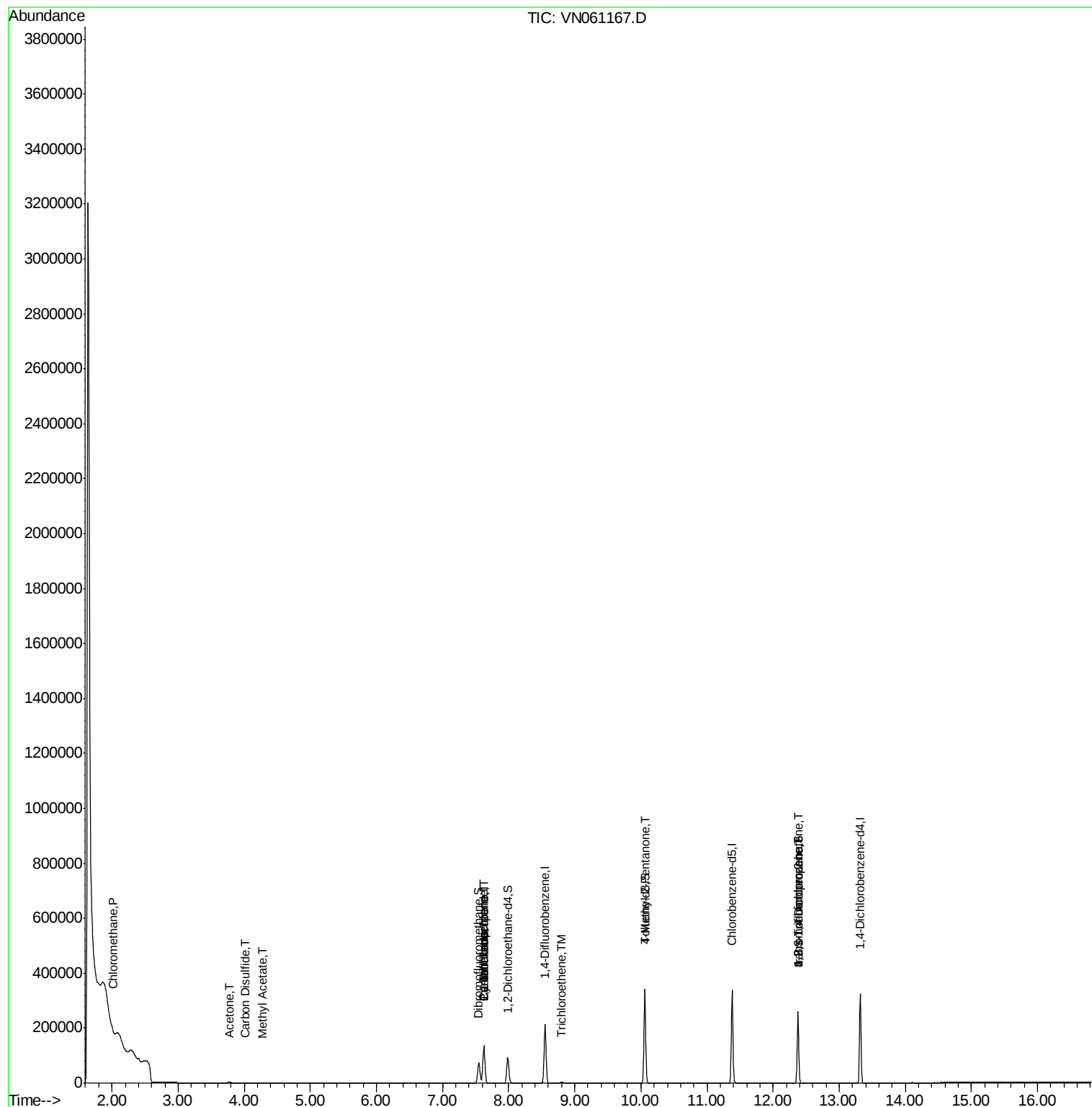
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	270	0.206	ug/l #	42
16) Acetone	3.78	43	6110	4.345	ug/l	96
17) Carbon Disulfide	4.01	76	792	0.266	ug/l #	75
18) Methyl Acetate	4.27	43	98	0.726	ug/l #	55
31) Cyclohexane	7.62	56	2653	1.128	ug/l #	11
36) 1,1-Dichloropropene	7.62	75	9095	4.972	ug/l #	47
38) Carbon Tetrachloride	7.63	117	11091	7.581	ug/l #	16
44) Trichloroethene	8.80	130	1934	1.313	ug/l	100
51) 4-Methyl-2-Pentanone	10.06	43	1321	0.631	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	47747	28.278	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	47747	71.811	ug/l #	8

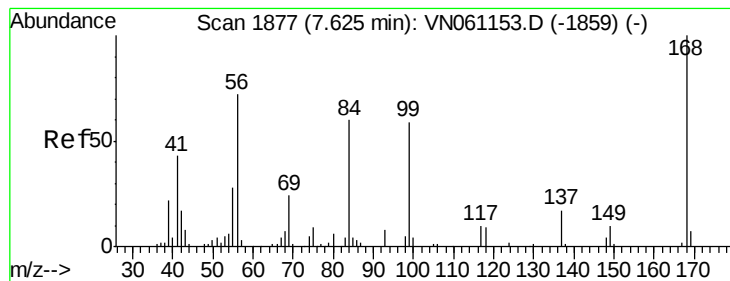
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061167.D

Acq: 28 Apr 2020 16:27

Instrument :

MSVOA_N

ClientSampleId :

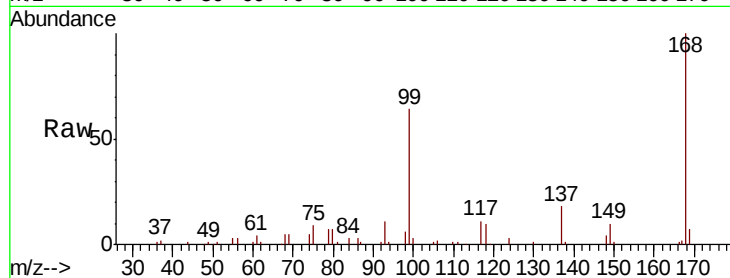
BP-VPB180-GW-618-620

Tot Ion:168 Resp: 102158

Ion Ratio Lower Upper

168 100

99 63.5 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): VN061153.D (-1859) (-)

Ion 98.90 (98.60 to 99.60): VN061153.D (-1859) (-)

7.63

40000

30000

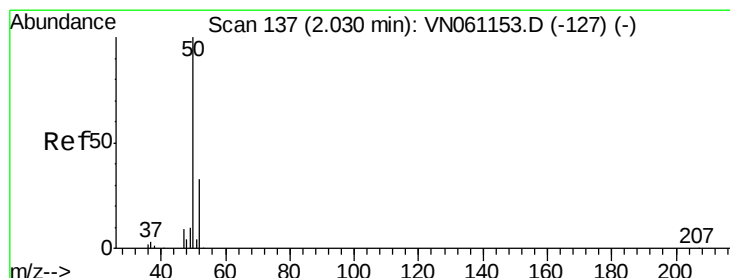
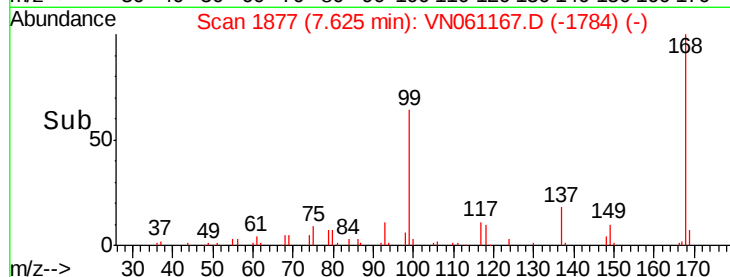
20000

10000

0

7.50 7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.206 ug/l

RT: 2.03 min Scan# 138

Delta R.T. 0.00 min

Lab File: VN061167.D

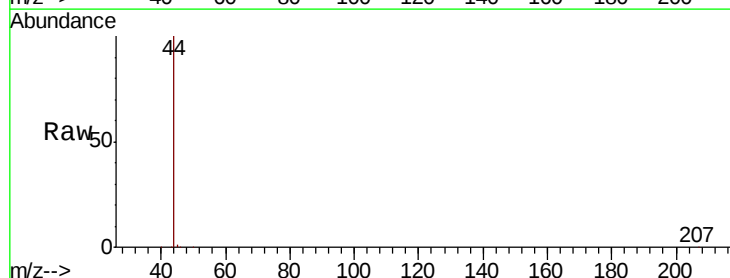
Acq: 28 Apr 2020 16:27

Tgt Ion: 50 Resp: 270

Ion Ratio Lower Upper

50 100

52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN061153.D (-127) (-)

Ion 51.90 (51.60 to 52.60): VN061153.D (-127) (-)

2.03

400

300

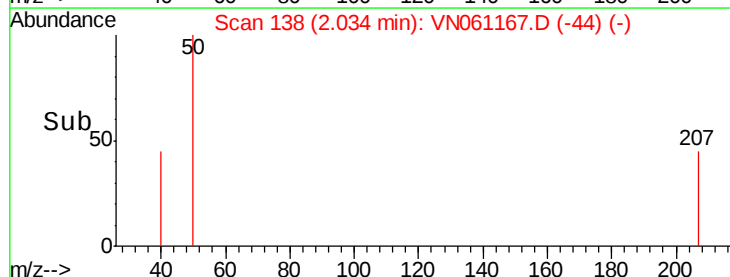
200

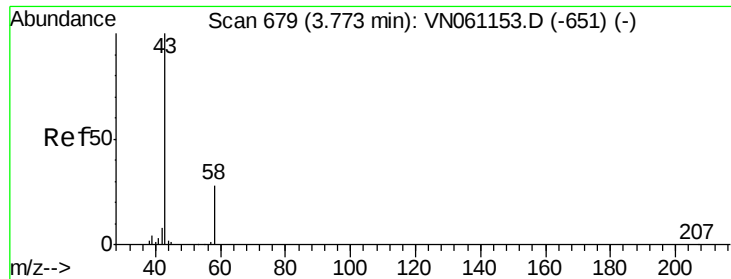
100

0

2.01 2.02 2.03 2.04 2.05

Time-->





#16

Acetone

Concen: 4.345 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061167.D

Acq: 28 Apr 2020 16:27

Instrument :

MSVOA_N

ClientSampleId :

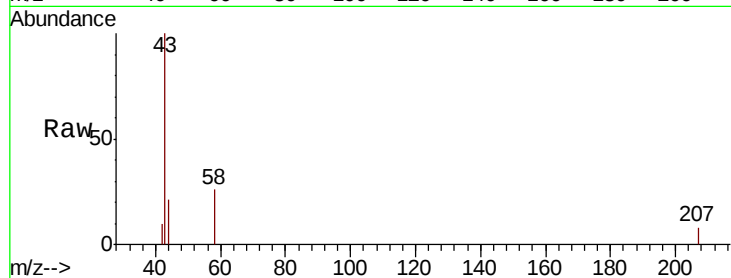
BP-VPB180-GW-618-620

Tot Ion: 43 Resp: 6110

Ion Ratio Lower Upper

43 100

58 25.8 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-651) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-651) (-)

3.78

2500

2000

1500

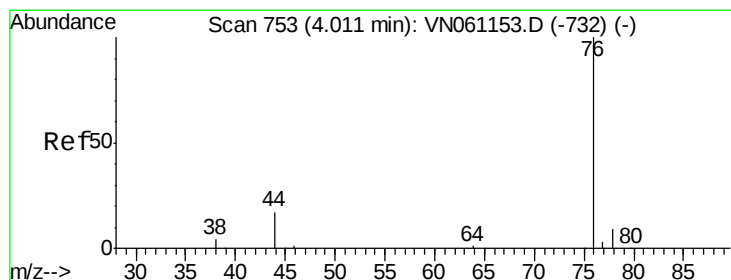
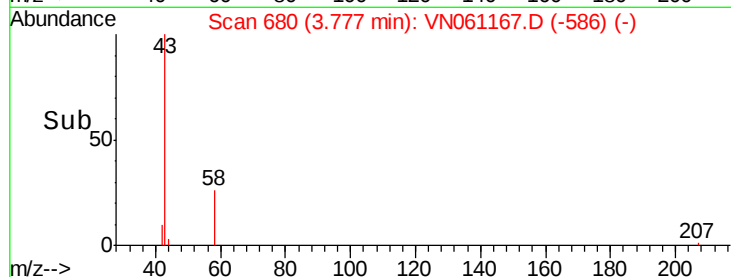
1000

500

0

Time-->

3.70 3.75 3.80 3.85



#17

Carbon Disulfide

Concen: 0.266 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061167.D

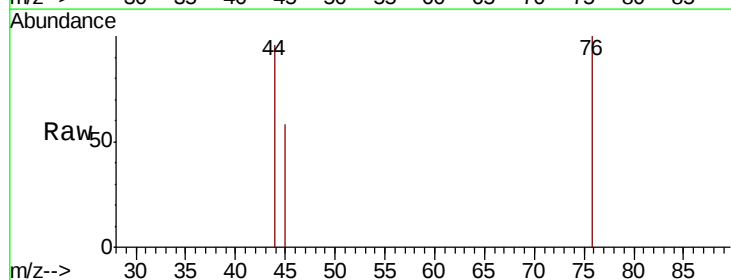
Acq: 28 Apr 2020 16:27

Tgt Ion: 76 Resp: 792

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN061153.D (-732) (-)

Ion 77.90 (77.60 to 78.60): VN061153.D (-732) (-)

4.01

400

300

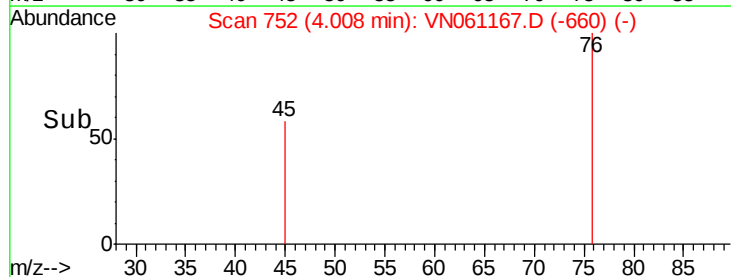
200

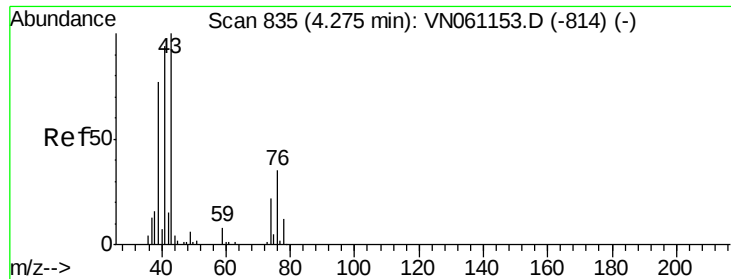
100

0

Time-->

4.00 4.05

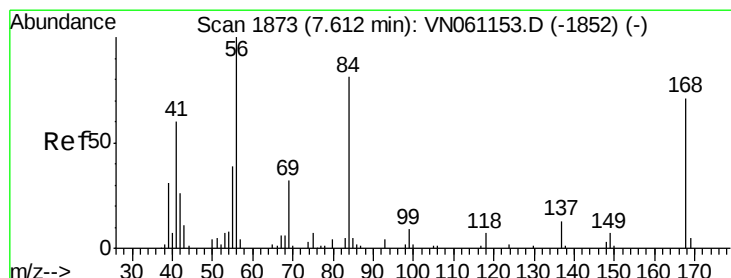
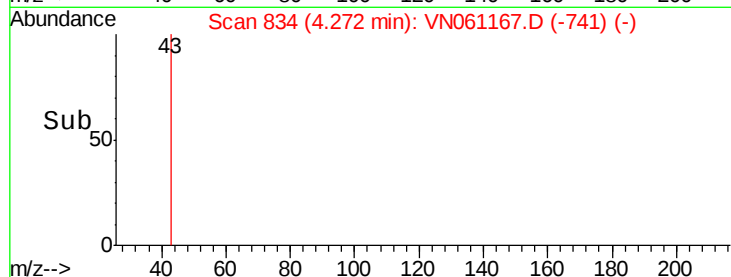
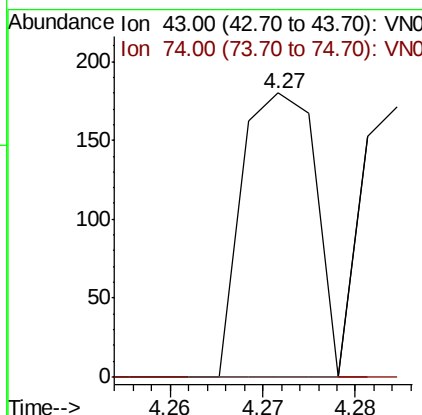
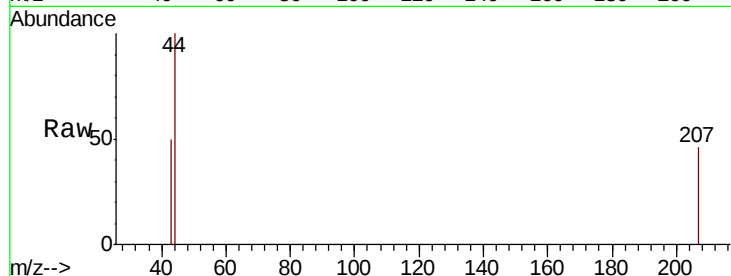




#18
Methvl Acetate
Concen: 0.726 ug/l
RT: 4.27 min Scan# 834
Delta R.T. -0.00 min
Lab File: VN061167.D
Acq: 28 Apr 2020 16:27

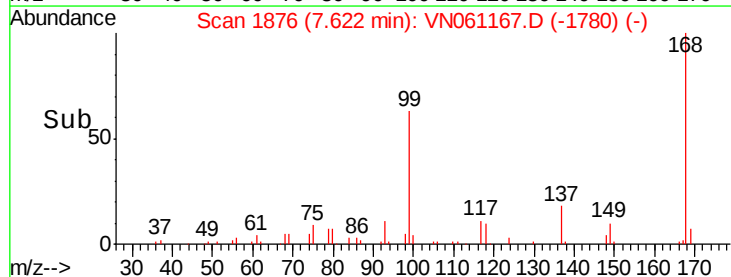
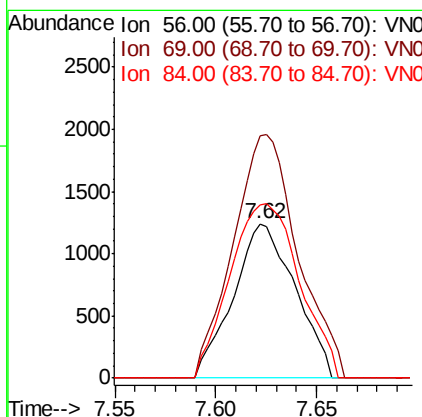
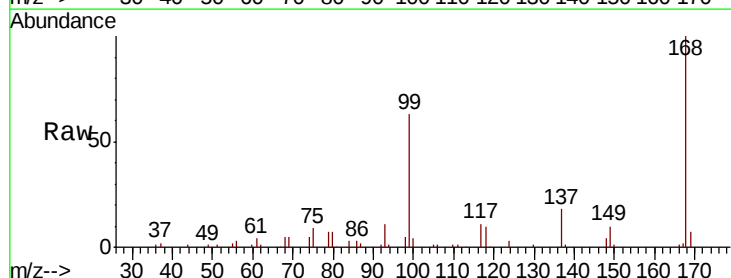
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-618-620

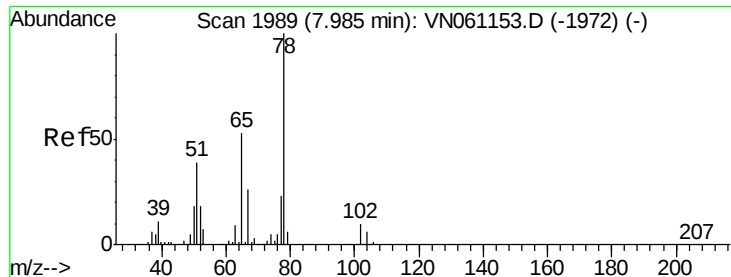
Tot Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#31
Cyclohexane
Concen: 1.128 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061167.D
Acq: 28 Apr 2020 16:27

Tgt Ion: 56 Resp: 2653
Ion Ratio Lower Upper
56 100
69 157.3 25.7 38.5#
84 112.5 64.6 97.0#

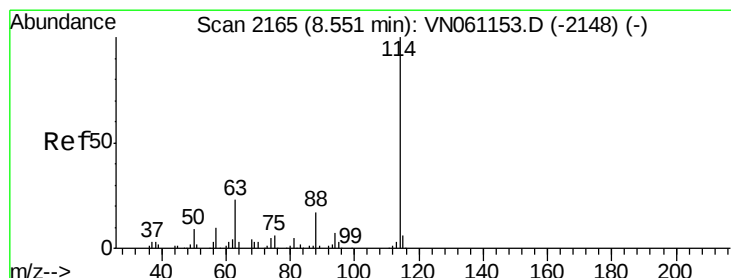
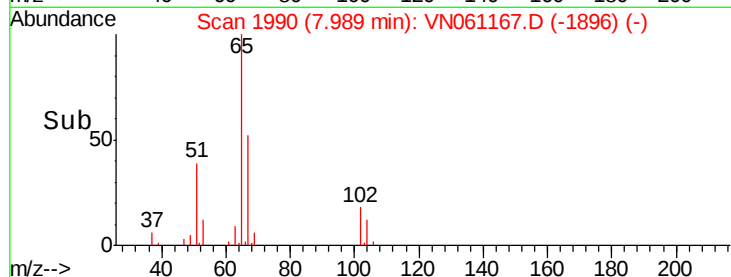
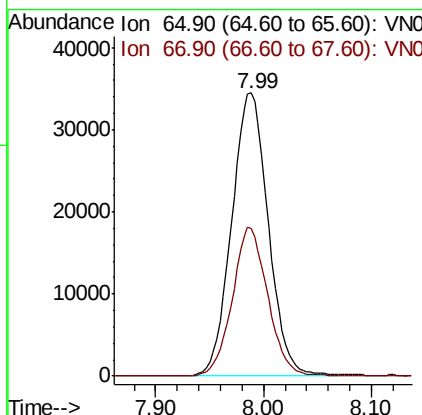
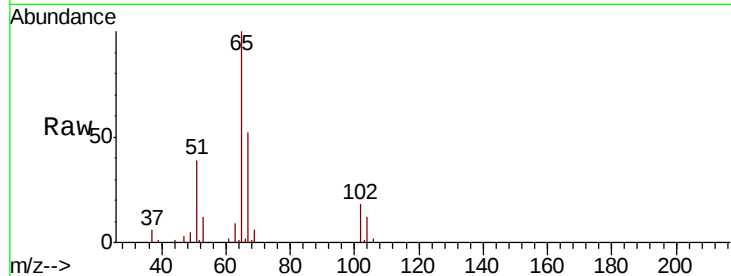




#33
 1,2-Dichloroethane-d4
 Concen: 50.405 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061167.D
 Acq: 28 Apr 2020 16:27

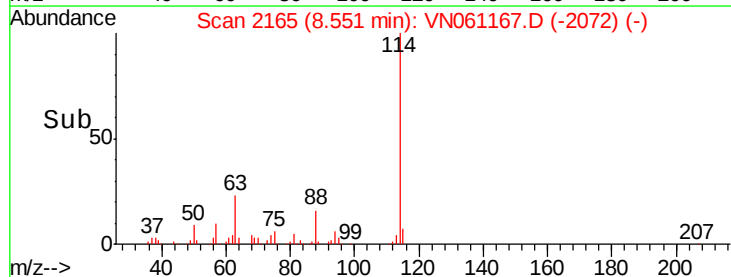
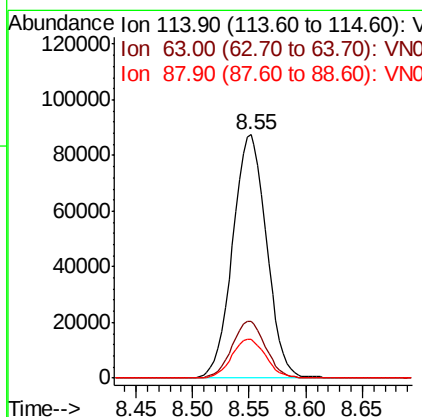
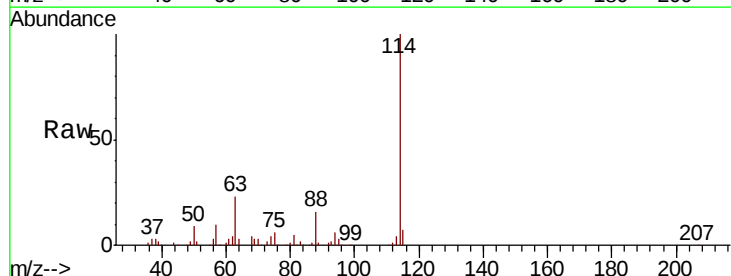
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-618-620

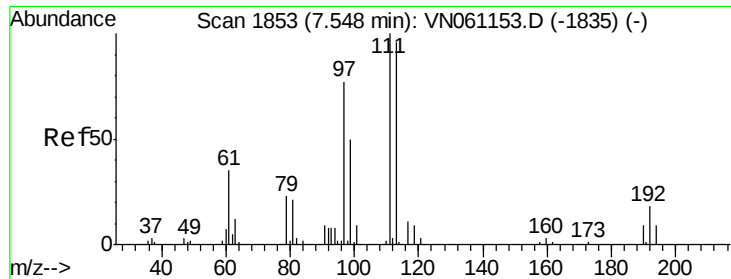
Tot Ion: 65 Resp: 81477
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061167.D
 Acq: 28 Apr 2020 16:27

Tgt Ion: 114 Resp: 182748
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 46.6
 88 15.9 0.0 33.4

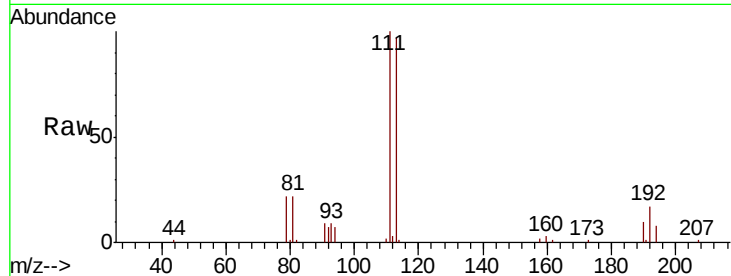




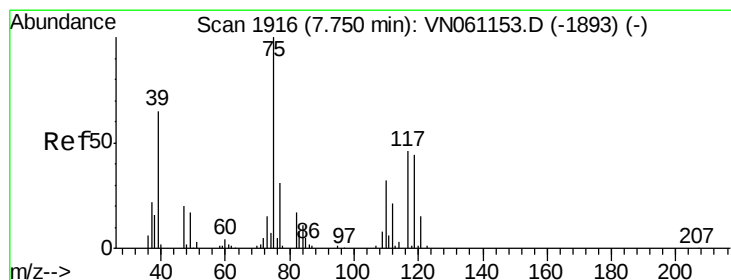
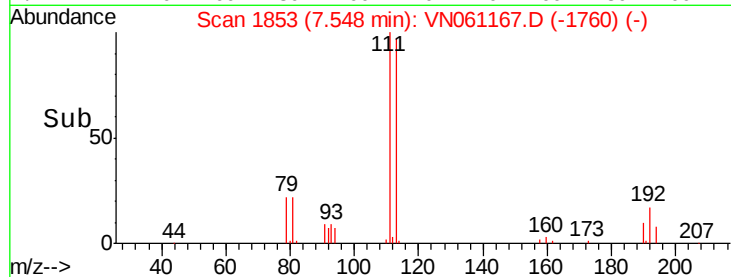
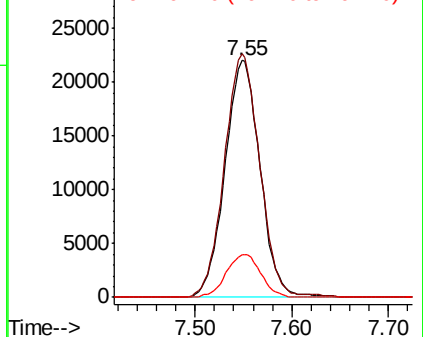
#35
 Dibromofluoromethane
 Concen: 51.281 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061167.D
 Acq: 28 Apr 2020 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-618-620

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	17.9	14.7	22.1

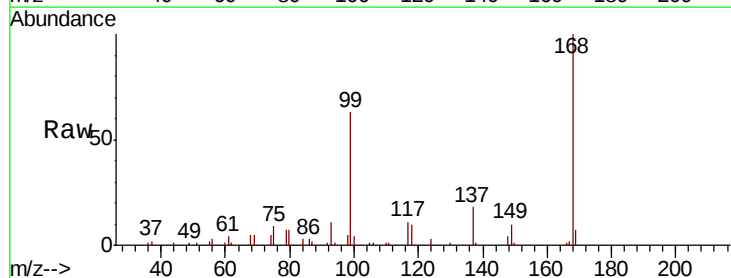


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

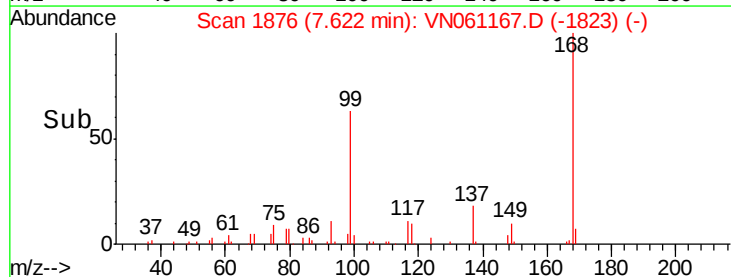
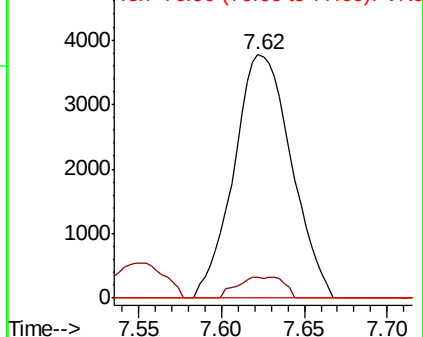


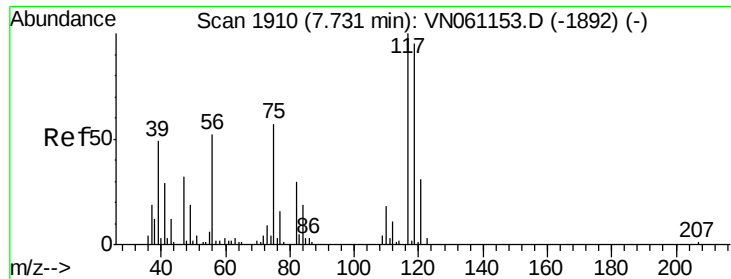
#36
 1,1-Dichloropropene
 Concen: 4.972 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.13 min
 Lab File: VN061167.D
 Acq: 28 Apr 2020 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.1	16.0	48.0#
77	0.0	24.6	37.0#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 7.581 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061167.D

Acq: 28 Apr 2020 16:27

Instrument :

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ClientSampleId :

BP-VPB180-GW-618-620

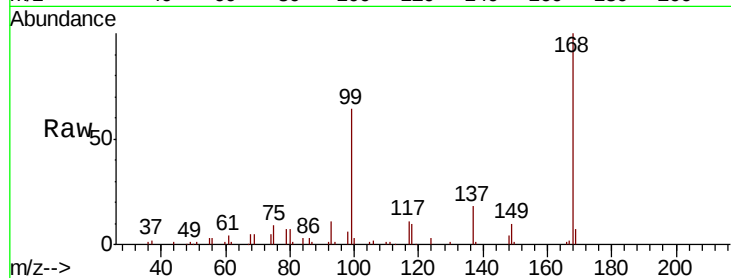
Tot Ion:117 Resp: 11091

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.6#

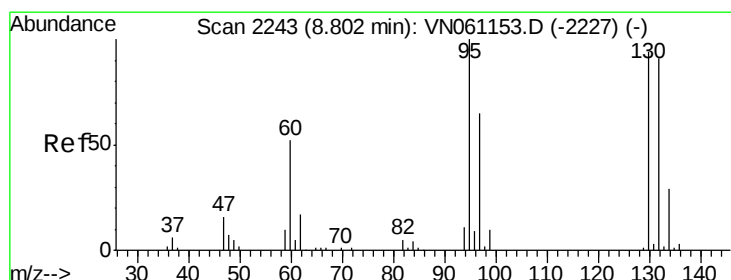
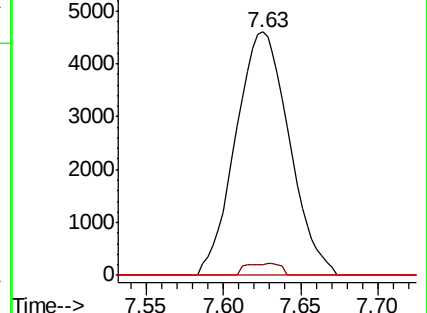
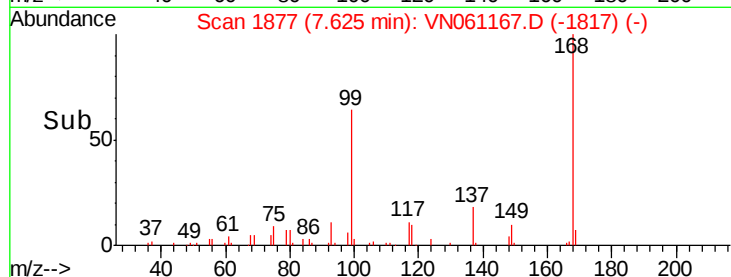
121 0.0 24.7 37.1#



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: 1.313 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061167.D

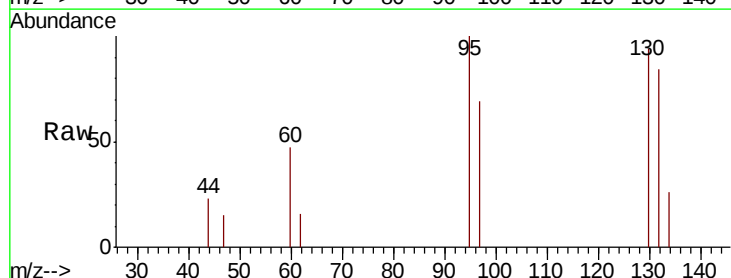
Acq: 28 Apr 2020 16:27

Tgt Ion:130 Resp: 1934

Ion Ratio Lower Upper

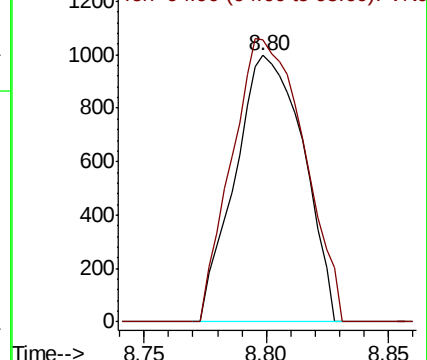
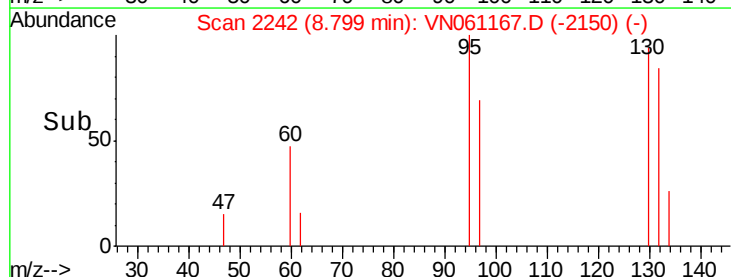
130 100

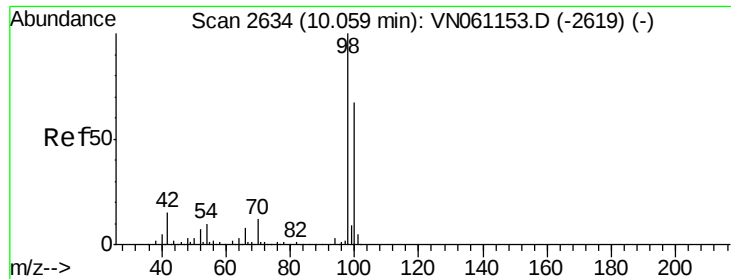
95 106.1 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 51.250 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061167.D

Acq: 28 Apr 2020 16:27

Instrument :

MSVOA_N

ClientSampleId :

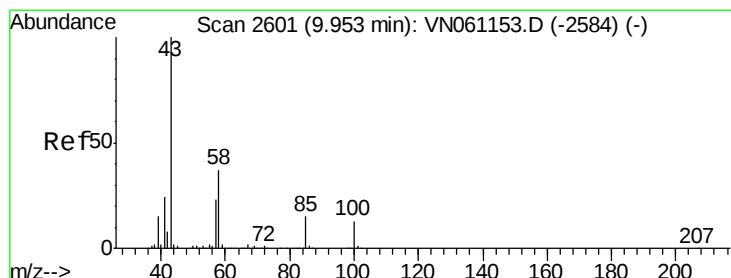
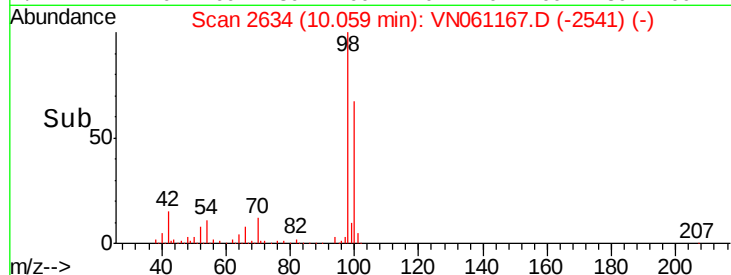
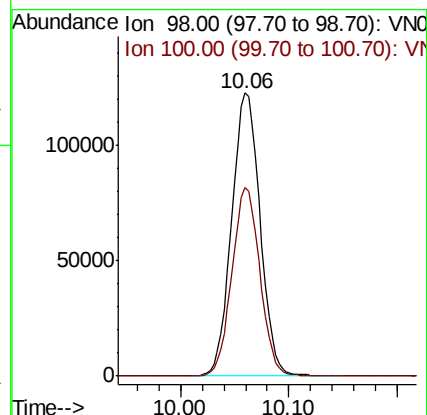
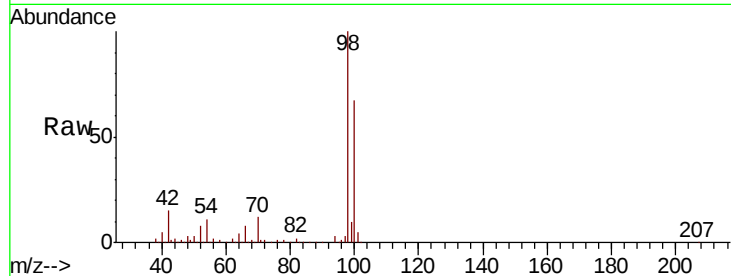
BP-VPB180-GW-618-620

Tot Ion: 98 Resp: 225768

Ion Ratio Lower Upper

98 100

100 65.6 53.4 80.0



#51

4-Methyl-2-Pentanone

Concen: 0.631 ug/l

RT: 10.06 min Scan# 2633

Delta R.T. 0.10 min

Lab File: VN061167.D

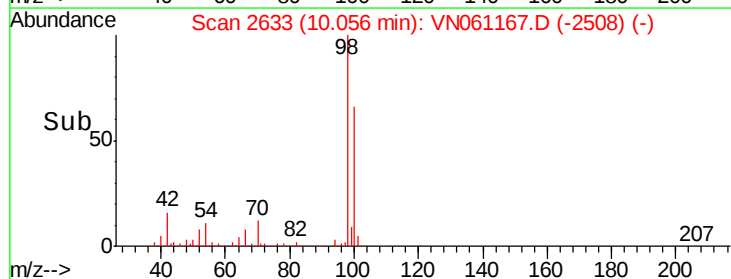
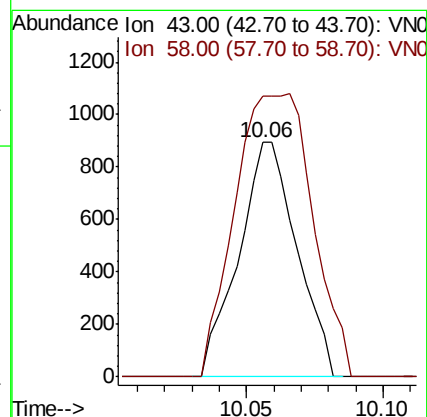
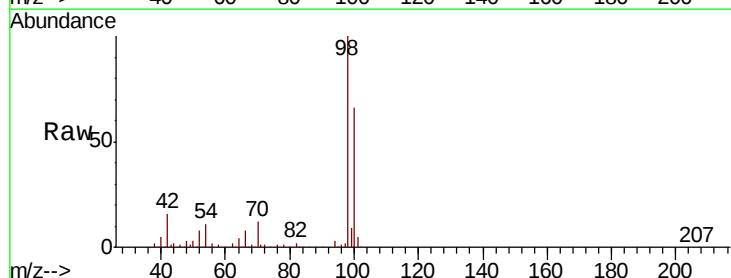
Acq: 28 Apr 2020 16:27

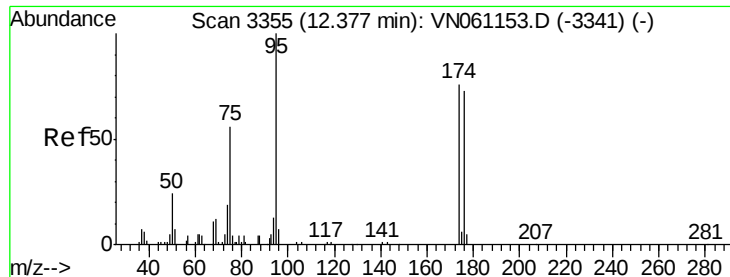
Tgt Ion: 43 Resp: 1321

Ion Ratio Lower Upper

43 100

58 161.8 29.1 43.7#





#62

4-Bromofluorobenzene

Concen: 51.628 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061167.D

Acq: 28 Apr 2020 16:27

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-618-620

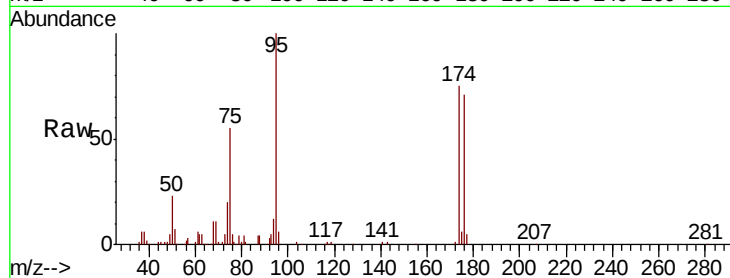
Tot Ion: 95 Resp: 85587

Ion Ratio Lower Upper

95 100

174 74.6 0.0 149.4

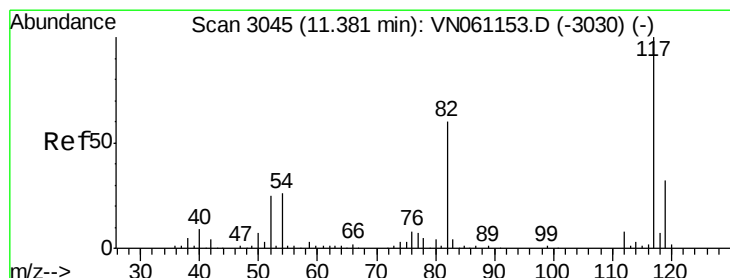
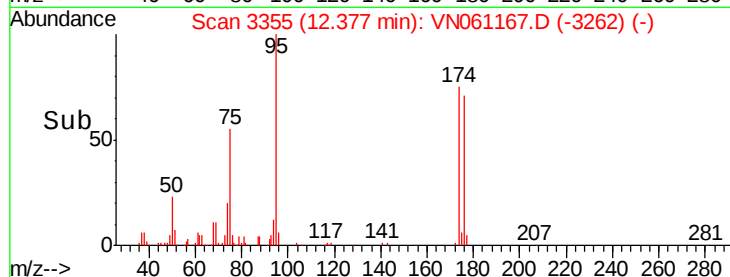
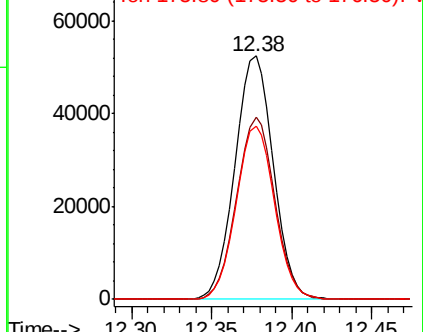
176 71.3 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061167.D (-2952) (-)

Ion 173.80 (173.50 to 174.50): VN061167.D (-2952) (-)

Ion 175.80 (175.50 to 176.50): VN061167.D (-2952) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061167.D

Acq: 28 Apr 2020 16:27

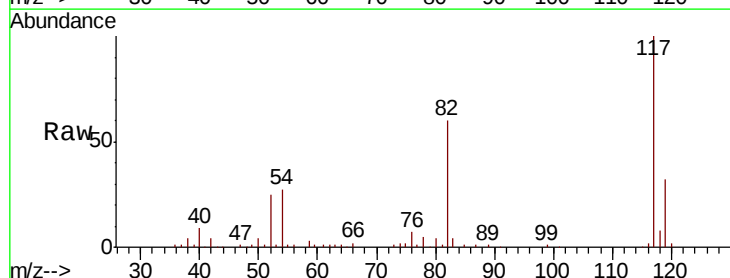
Tgt Ion: 117 Resp: 176007

Ion Ratio Lower Upper

117 100

82 59.8 47.8 71.8

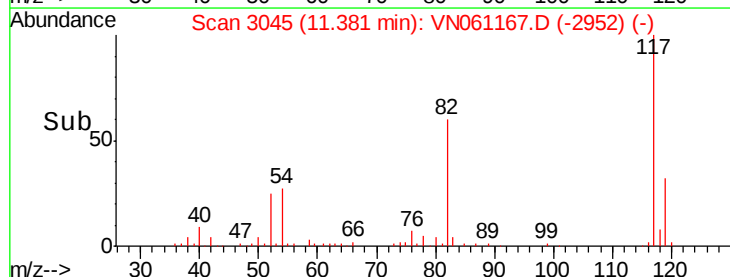
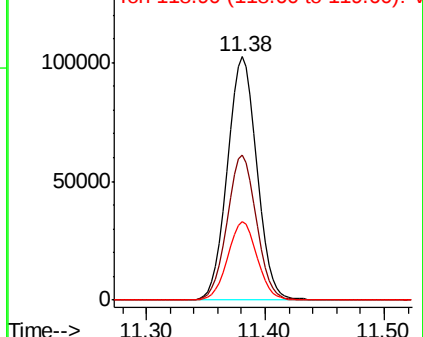
119 32.0 25.8 38.6

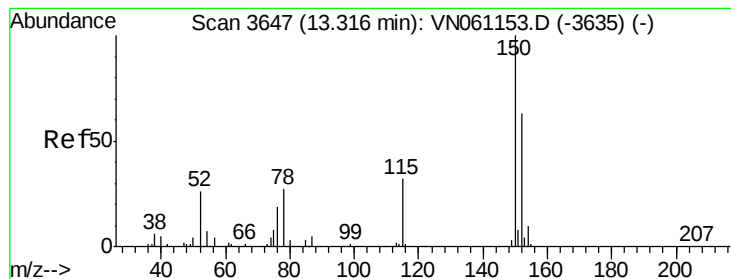


Abundance Ion 116.90 (116.60 to 117.60): VN061167.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061167.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061167.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: VN061167.D

Acq: 28 Apr 2020 16:27

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-618-620

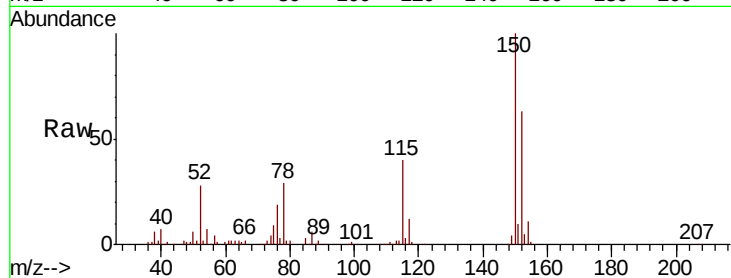
Tot Ion:152 Resp: 80089

Ion Ratio Lower Upper

152 100

115 62.2 31.0 93.0

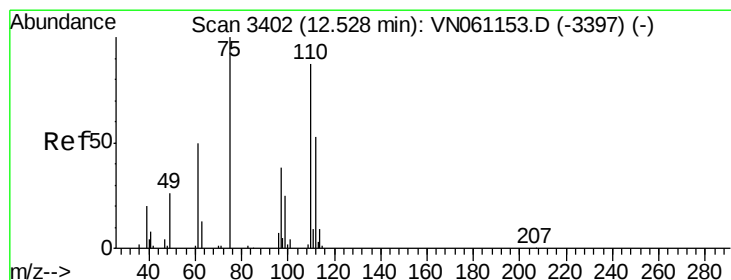
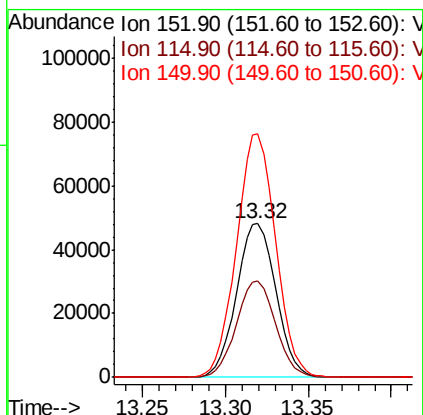
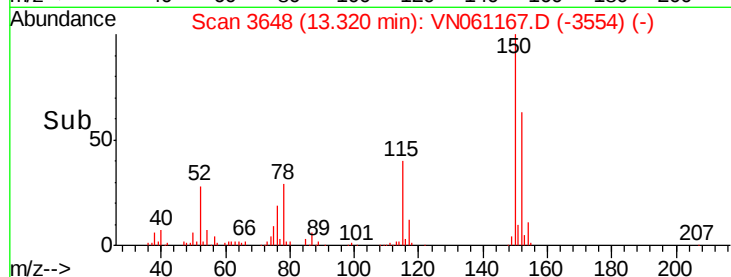
150 156.6 0.0 351.8



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: 28.278 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061167.D

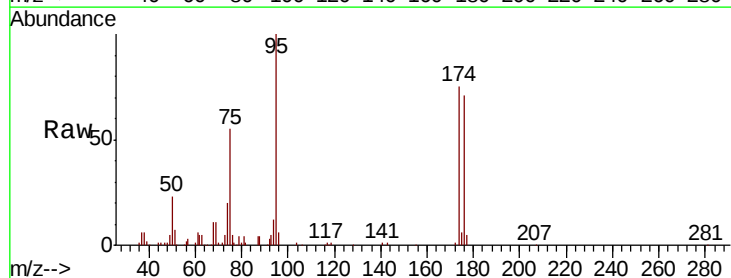
Acq: 28 Apr 2020 16:27

Tgt Ion: 75 Resp: 47747

Ion Ratio Lower Upper

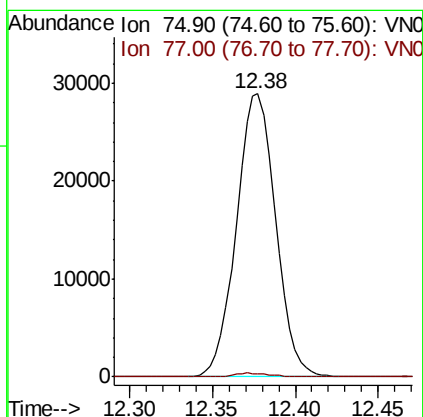
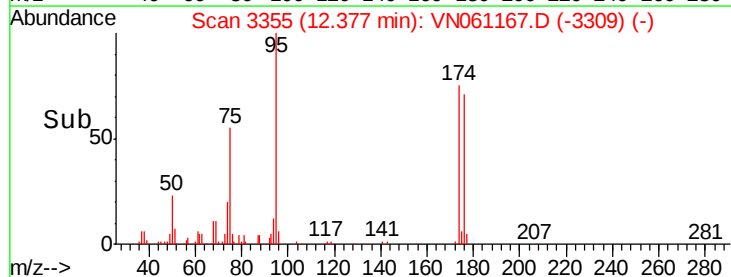
75 100

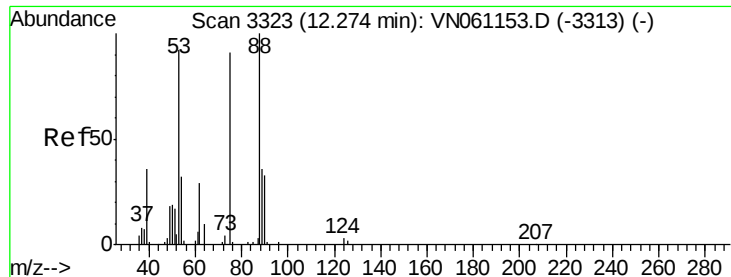
77 1.1 0.0 0.0#



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: 71.811 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061167.D

Acq: 28 Apr 2020 16:27

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-618-620

Tot Ion: 75 Resp: 47747

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#

