

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061232.D
 Acq On : 1 May 2020 15:54
 Operator : JC/MD
 Sample : L2468-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805

Quant Time: May 04 00:54:53 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	107080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	187589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	180761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80190	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	83997	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
35) Dibromofluoromethane	7.55	113	55814	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	10.06	98	234170	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.38	95	87533	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	

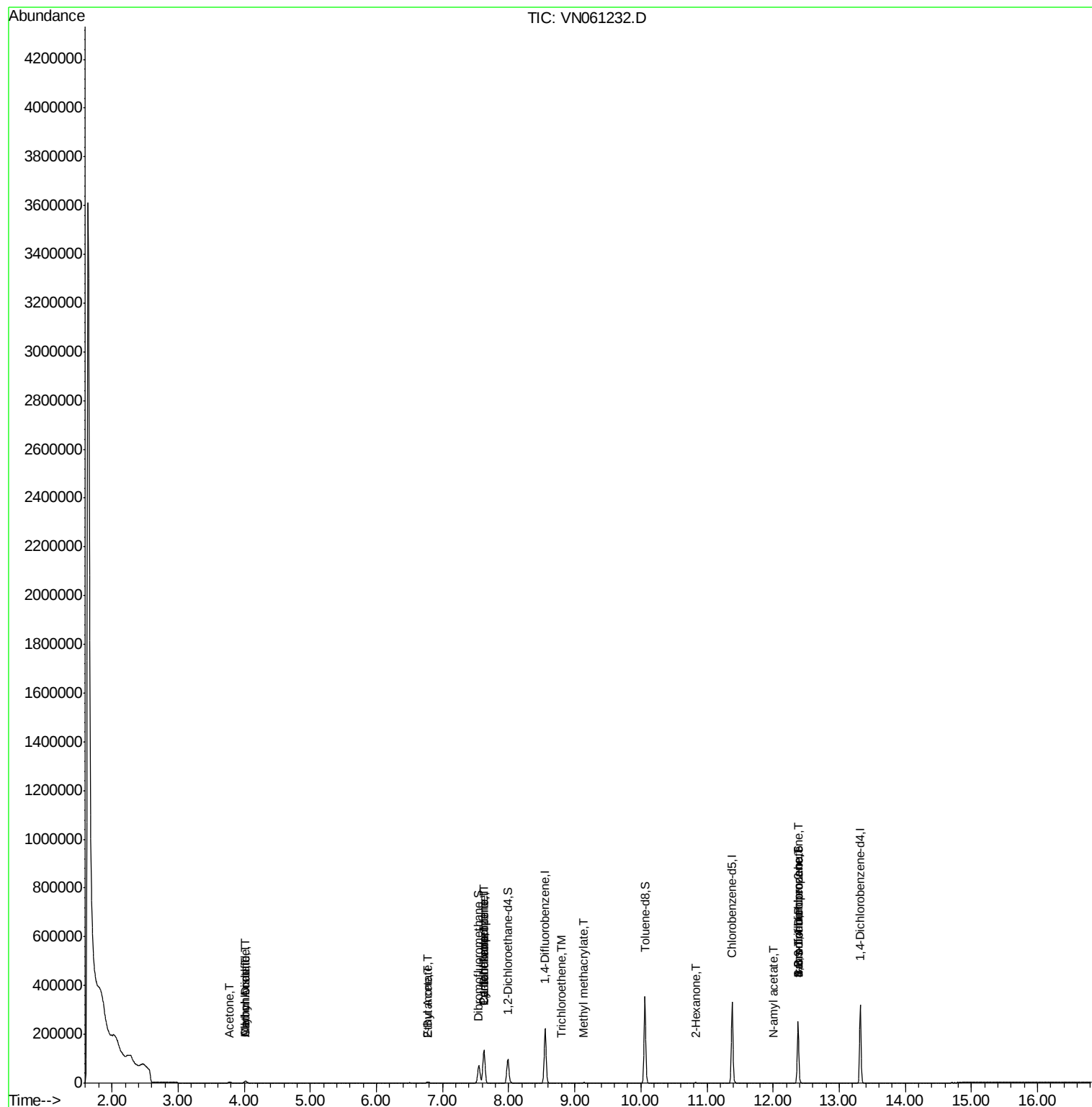
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.02	41	1135	0.542	ug/l #	43
16) Acetone	3.78	43	7278	5.708	ug/l	94
17) Carbon Disulfide	4.01	76	1022	0.327	ug/l #	75
18) Methyl Acetate	4.02	43	3283	2.193	ug/l #	55
25) 2-Butanone	6.78	43	1071	1.068	ug/l #	85
31) Cyclohexane	7.62	56	2591	1.051	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	9406	5.009	ug/l #	49
37) Ethyl Acetate	6.78	43	1071	0.486	ug/l #	71
38) Carbon Tetrachloride	7.63	117	10563	8.170	ug/l #	16
44) Trichloroethene	8.80	130	304	0.201	ug/l	99
48) Methyl methacrylate	9.14	41	657	0.398	ug/l #	42
59) 2-Hexanone	10.82	43	525	0.336	ug/l #	27
71) Bromoform	12.38	173	351	0.372	ug/l #	1
74) N-amyl acetate	12.00	43	725	0.243	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	46536	27.526	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	46536	69.902	ug/l #	8

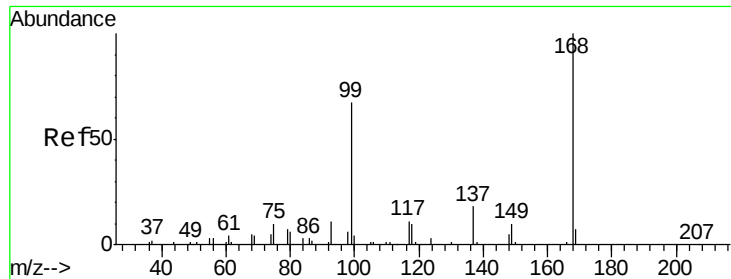
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061232.D

Acq: 1 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

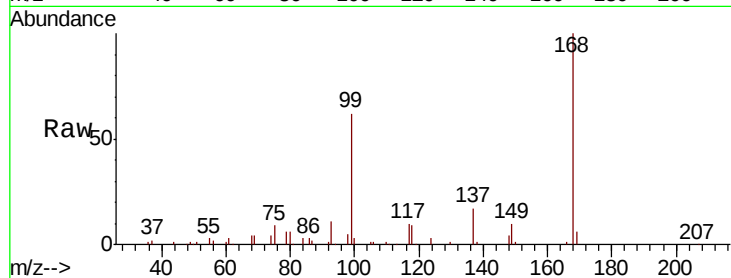
BP-VPB180-GW-803-805

Tot Ion:168 Resp: 107080

Ion Ratio Lower Upper

168 100

99 61.9 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

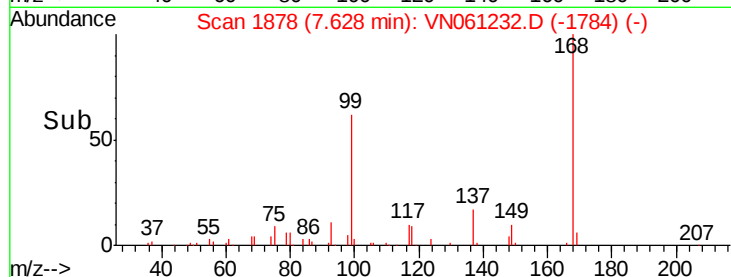
30000

20000

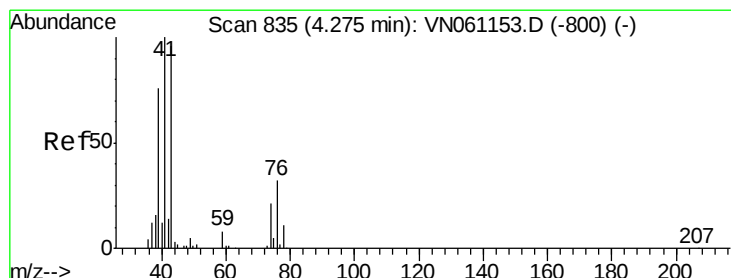
10000

0

Time--> 7.50 7.60 7.70



Scan 1878 (7.628 min): VN061232.D (-1784) (-)



Scan 835 (4.275 min): VN061153.D (-800) (-)

#14

Allyl chloride

Concen: 0.542 ug/l

RT: 4.02 min Scan# 757

Delta R.T. -0.25 min

Lab File: VN061232.D

Acq: 1 May 2020 15:54

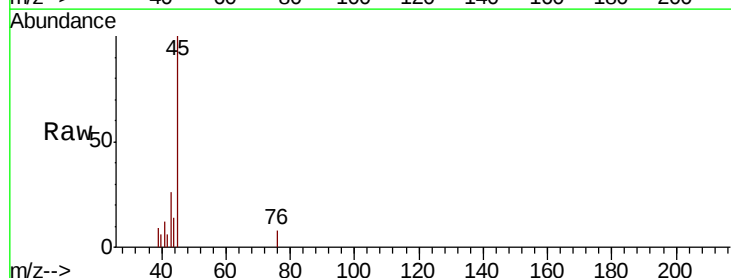
Tgt Ion: 41 Resp: 1135

Ion Ratio Lower Upper

41 100

39 42.9 57.1 85.7#

76 90.0 24.3 36.5#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.02

600

500

400

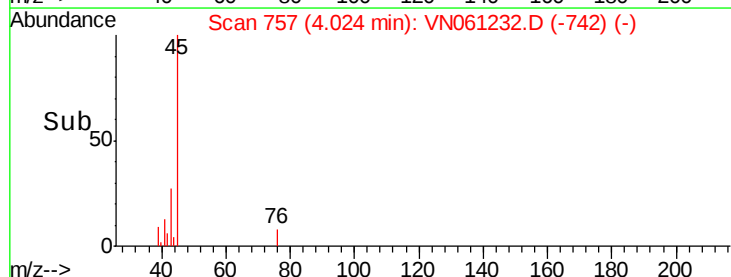
300

200

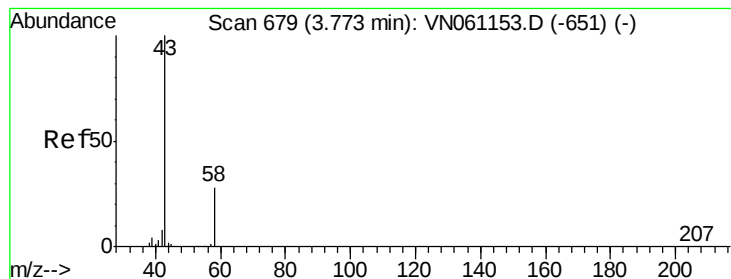
100

0

Time--> 4.00 4.05



Scan 757 (4.024 min): VN061232.D (-742) (-)



#16

Acetone

Concen: 5.708 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061232.D

Acq: 1 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

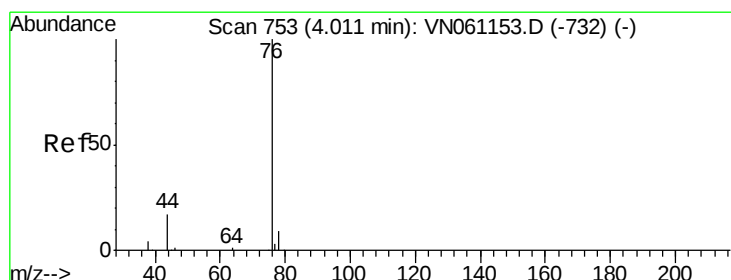
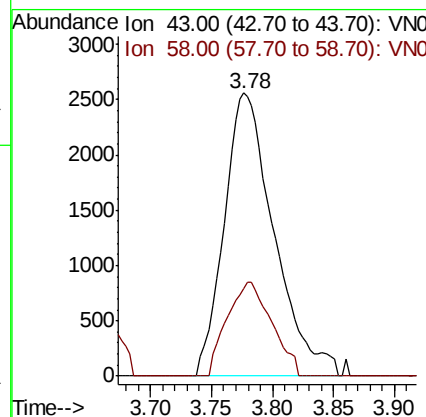
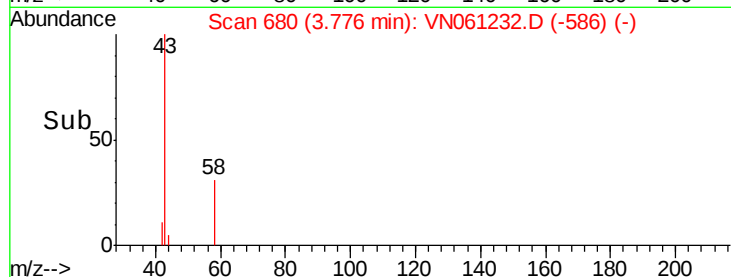
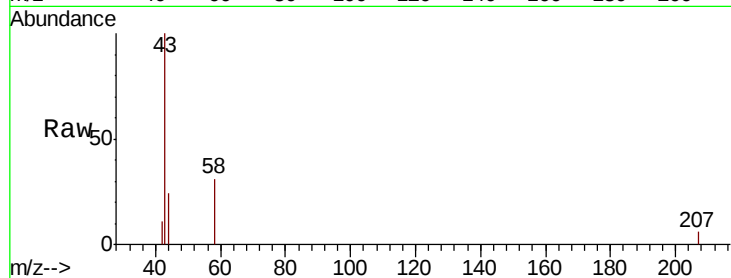
BP-VPB180-GW-803-805

Tot Ion: 43 Resp: 7278

Ion Ratio Lower Upper

43 100

58 30.8 22.2 33.2



#17

Carbon Disulfide

Concen: 0.327 ug/l

RT: 4.01 min Scan# 754

Delta R.T. 0.00 min

Lab File: VN061232.D

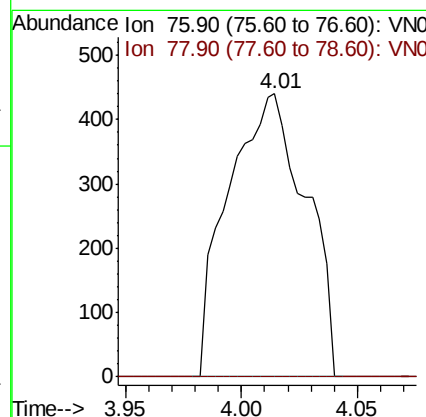
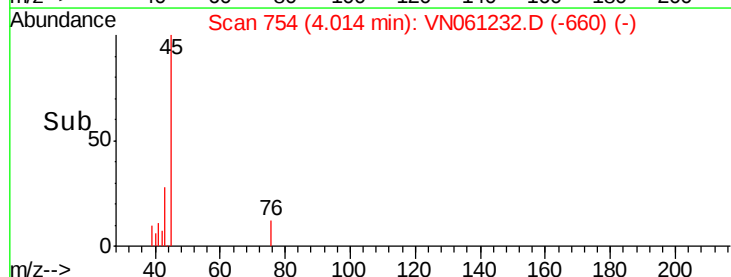
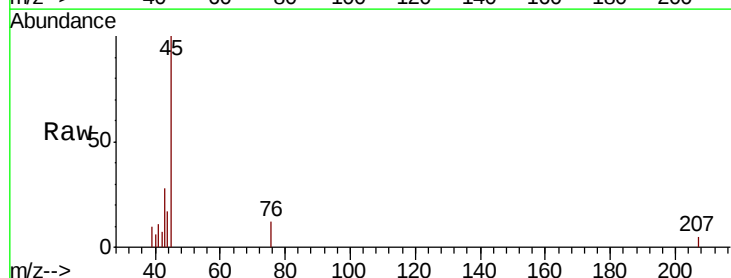
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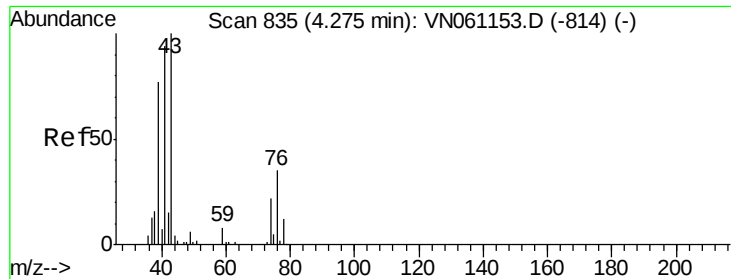
Tgt Ion: 76 Resp: 1022

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

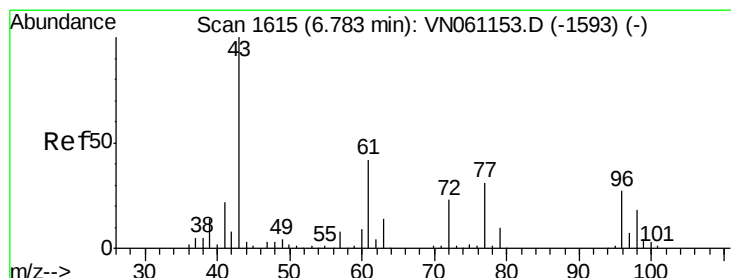
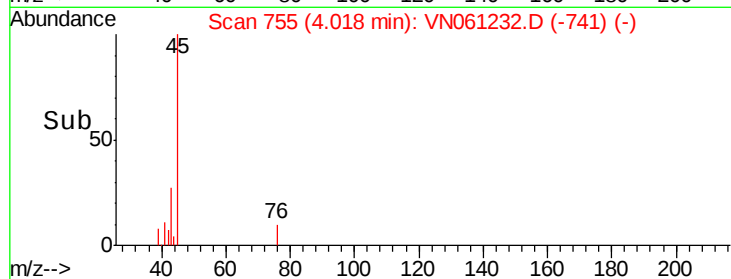
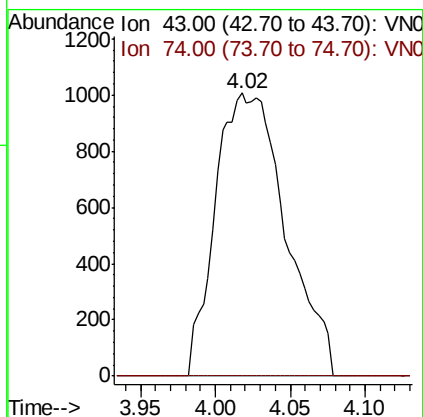
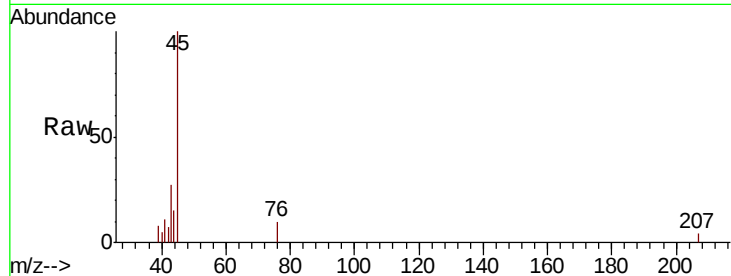




#18
Methyl Acetate
Concen: 2.193 ug/l
RT: 4.02 min Scan# 755
Delta R.T. -0.26 min
Lab File: VN061232.D
Acq: 1 May 2020 15:54

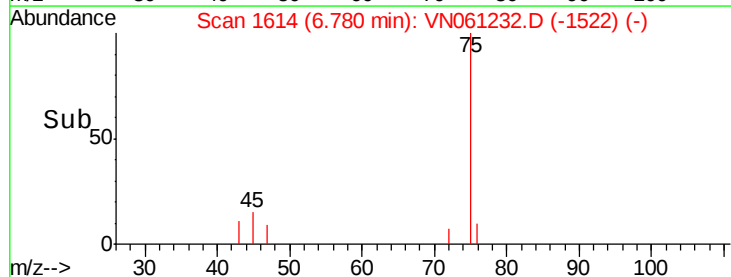
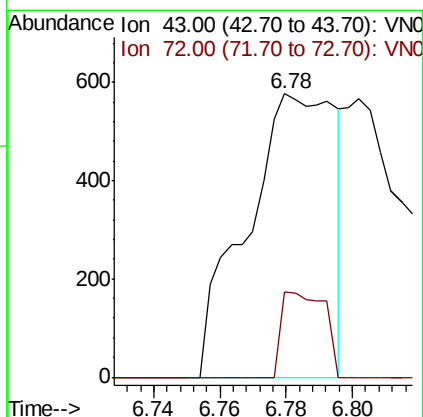
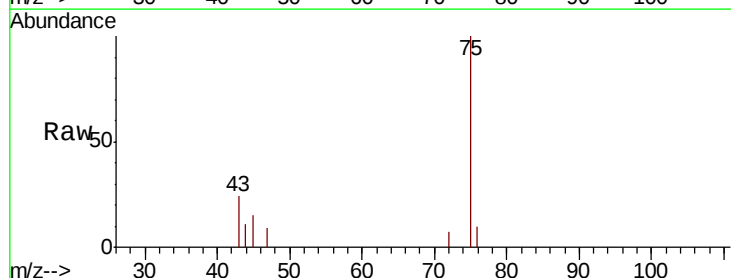
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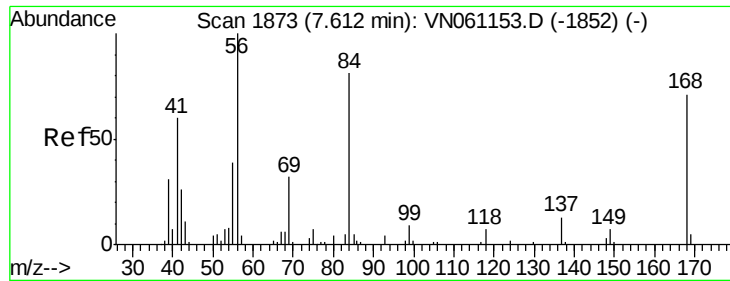
Tot Ion: 43 Resp: 3283
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#25
2-Butanone
Concen: 1.068 ug/l
RT: 6.78 min Scan# 1614
Delta R.T. -0.00 min
Lab File: VN061232.D
Acq: 1 May 2020 15:54

Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
72 30.0 18.2 27.4#

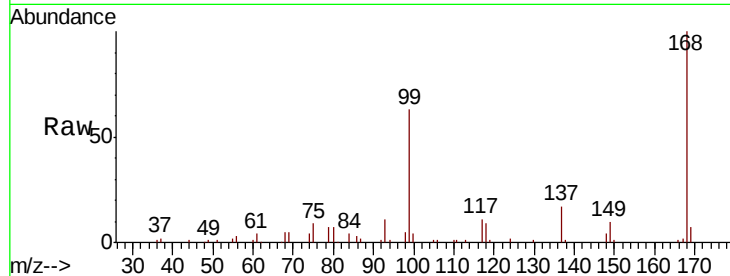




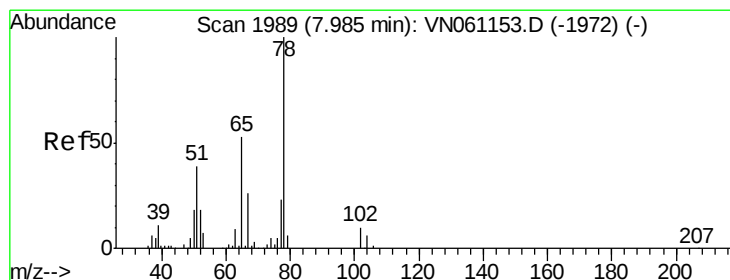
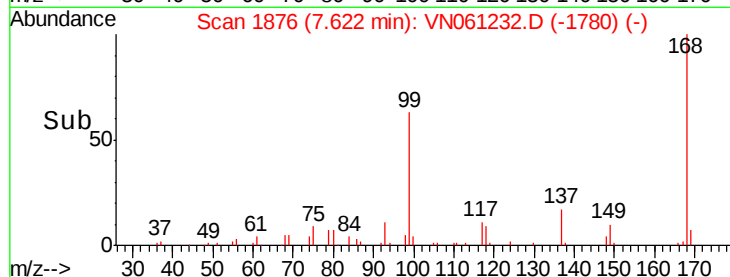
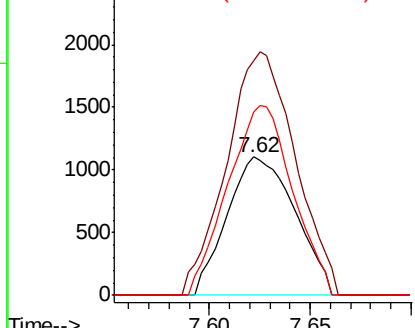
#31
Cyclohexane
Concen: 1.051 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061232.D
Acq: 1 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805

Tot Ion: 56 Resp: 2591
Ion Ratio Lower Upper
56 100
69 170.2 25.7 38.5#
84 132.4 64.6 97.0#

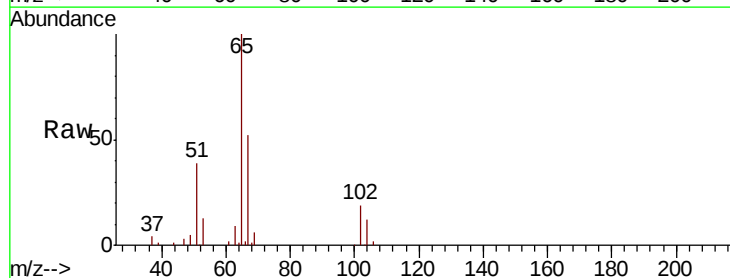


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

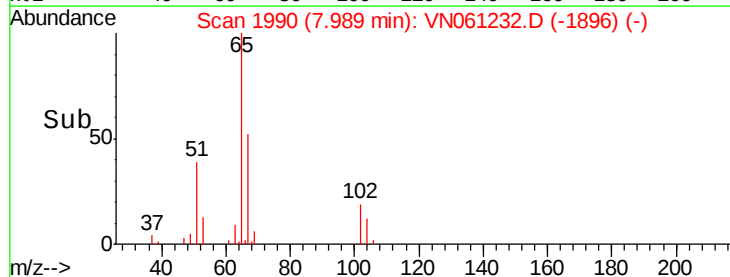
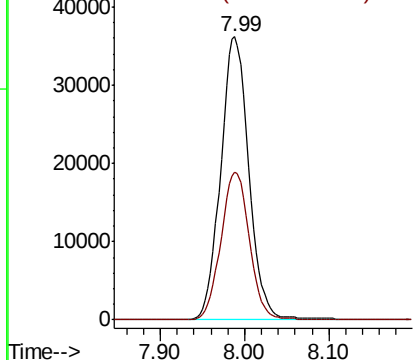


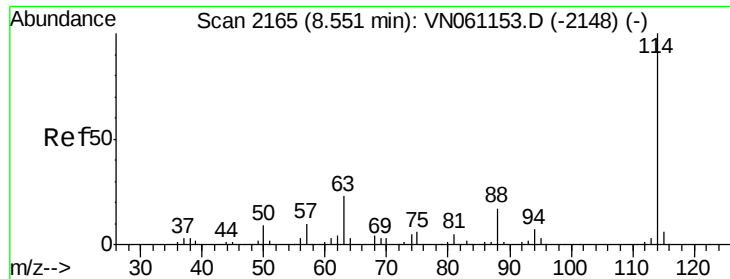
#33
1,2-Dichloroethane-d4
Concen: 49.575 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061232.D
Acq: 1 May 2020 15:54

Tgt Ion: 65 Resp: 83997
Ion Ratio Lower Upper
65 100
67 52.7 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

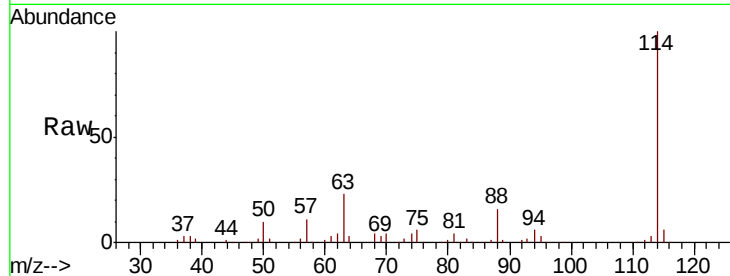




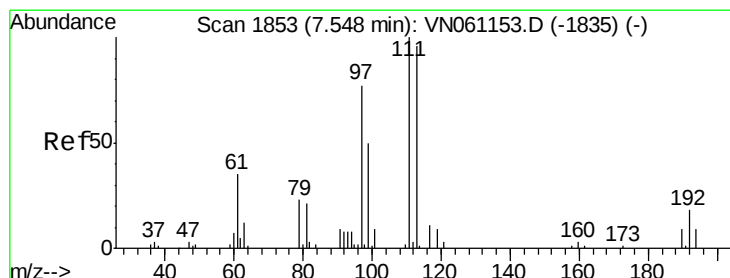
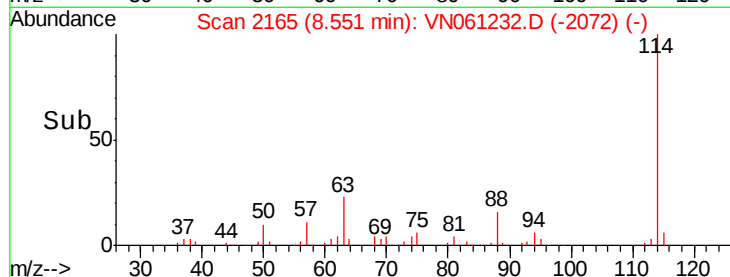
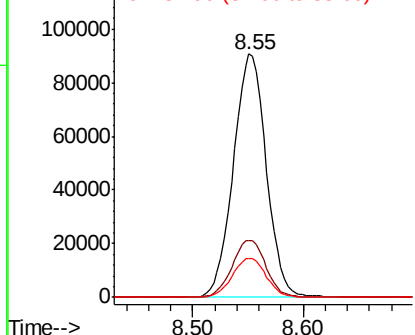
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061232.D
 Acq: 1 May 2020 15:54

Instrument :
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 BP-VPB180-GW-803-805

Tot Ion:114 Resp: 187589
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.6
 88 16.2 0.0 33.4

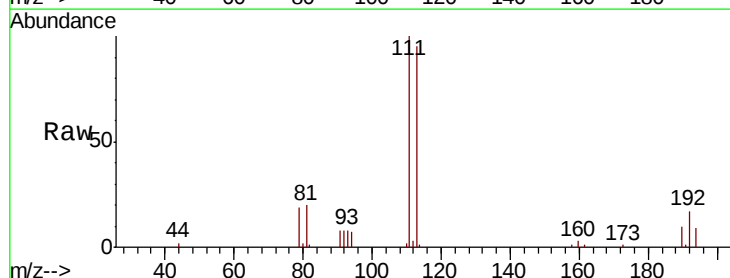


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

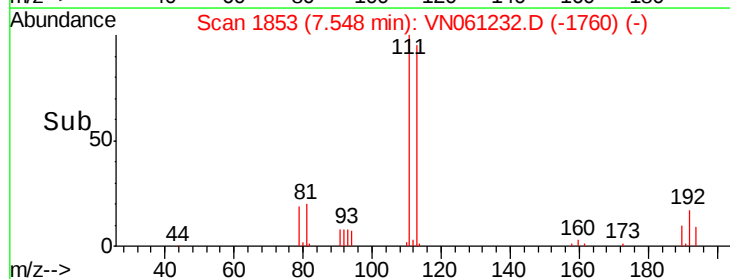
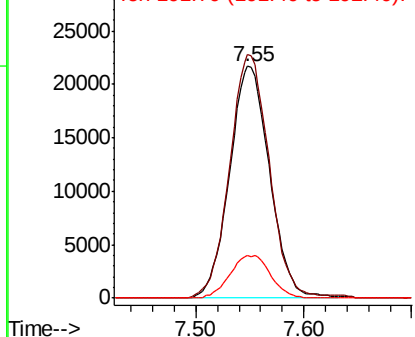


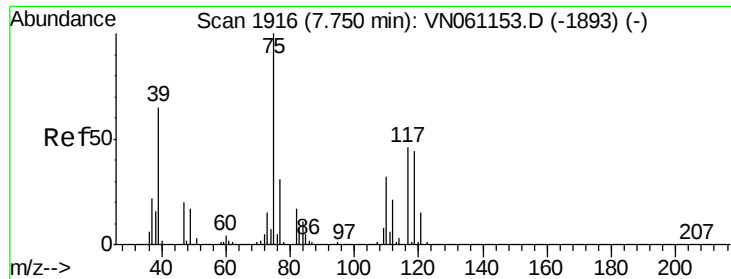
#35
 Dibromofluoromethane
 Concen: 50.317 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061232.D
 Acq: 1 May 2020 15:54

Tgt Ion:113 Resp: 55814
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.9 124.3
 192 18.6 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

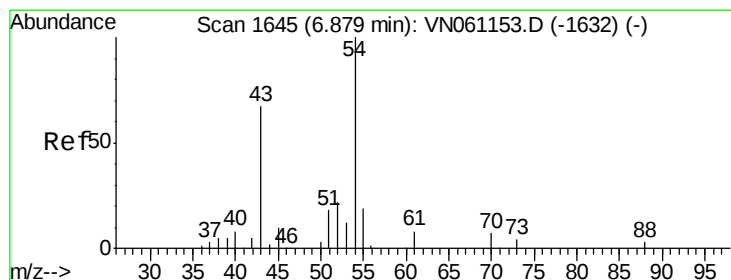
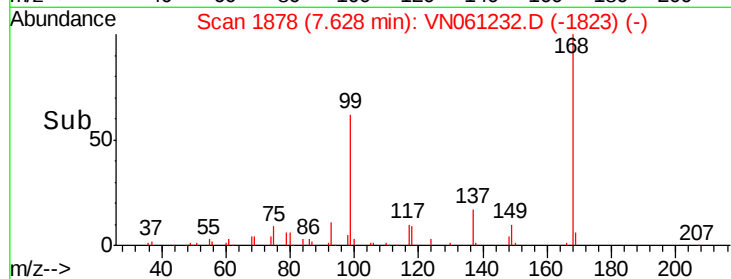
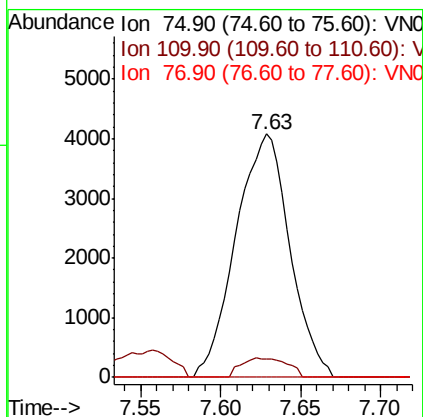
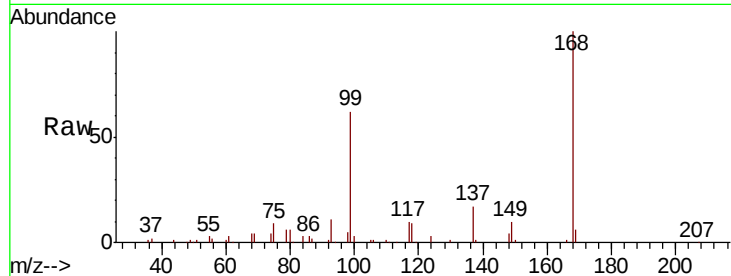




#36
 1,1-Dichloropropene
 Concen: 5.009 ug/l
 RT: 7.63 min Scan# 1878
 Delta R.T. -0.12 min
 Lab File: VN061232.D
 Acq: 1 May 2020 15:54

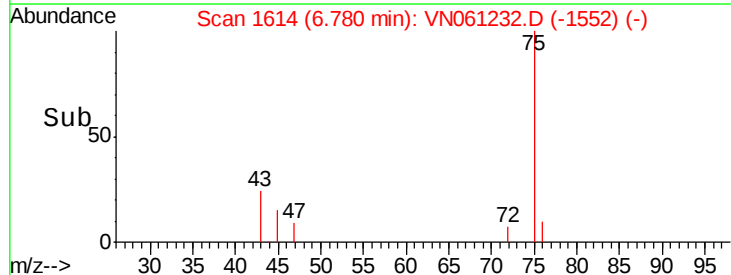
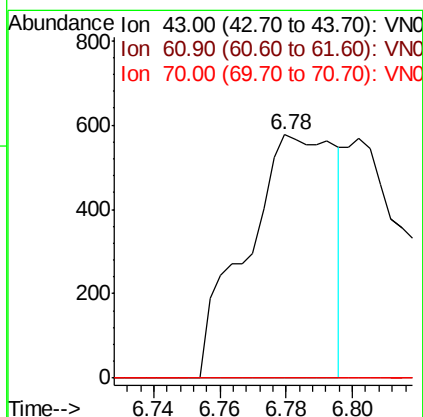
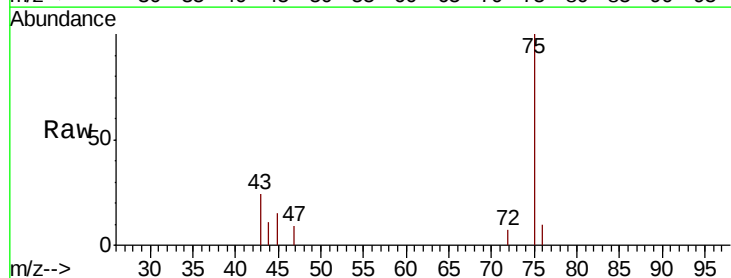
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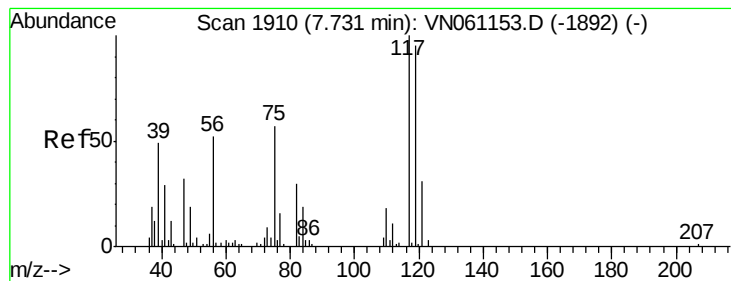
Tot Ion: 75 Resp: 9406
 Ion Ratio Lower Upper
 75 100
 110 6.7 16.0 48.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 0.486 ug/l
 RT: 6.78 min Scan# 1614
 Delta R.T. -0.10 min
 Lab File: VN061232.D
 Acq: 1 May 2020 15:54

Tgt Ion: 43 Resp: 1071
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.2#
 70 0.0 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 8.170 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061232.D

Acq: 1 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805

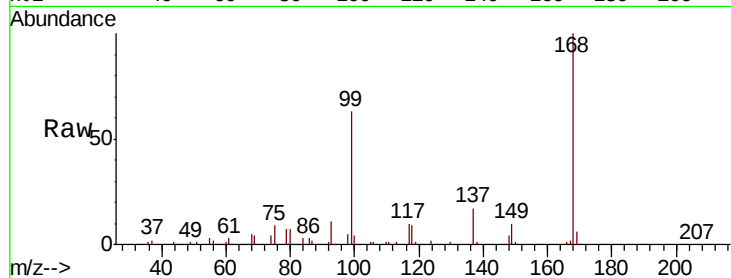
Tot Ion:117 Resp: 10563

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

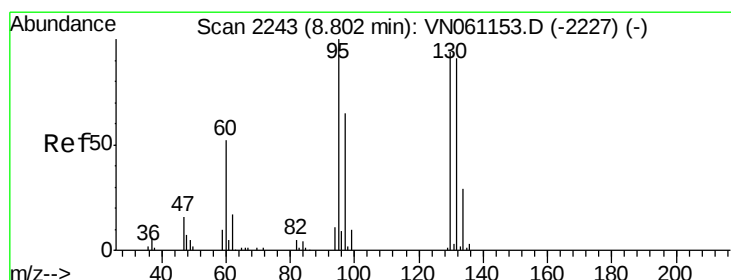
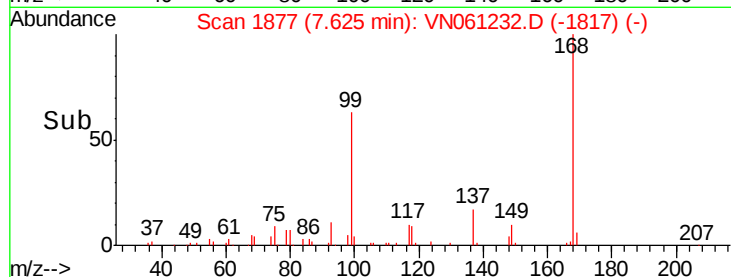
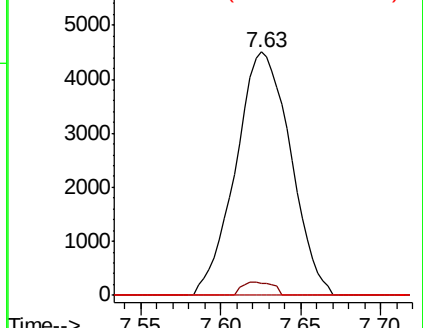
121 0.0 24.7 37.1#



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: 0.201 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061232.D

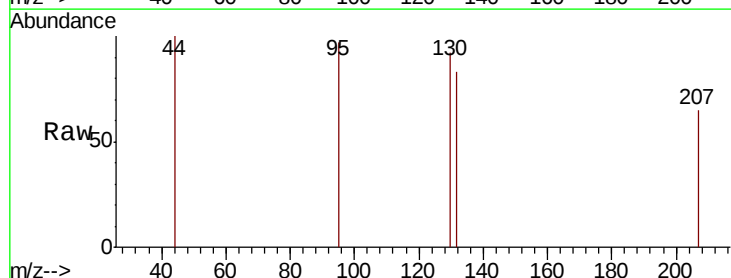
Acq: 1 May 2020 15:54

Tgt Ion:130 Resp: 304

Ion Ratio Lower Upper

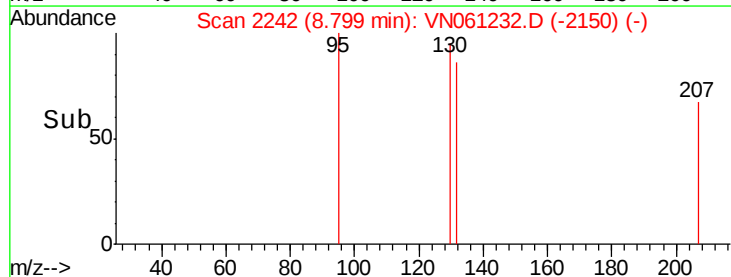
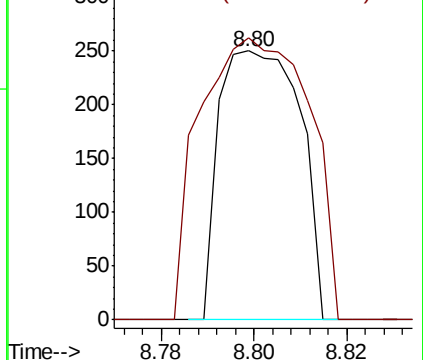
130 100

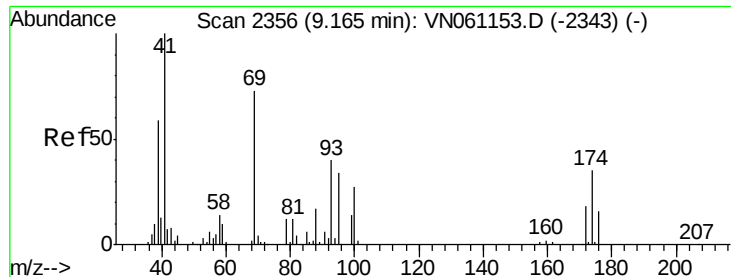
95 105.2 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

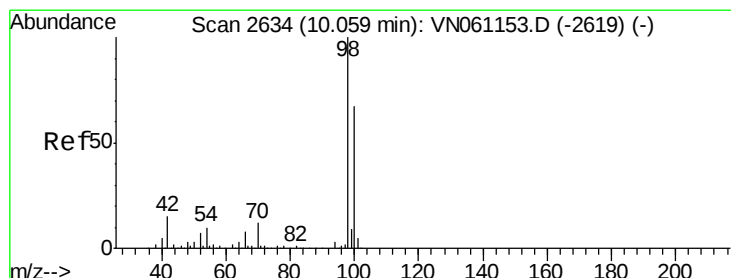
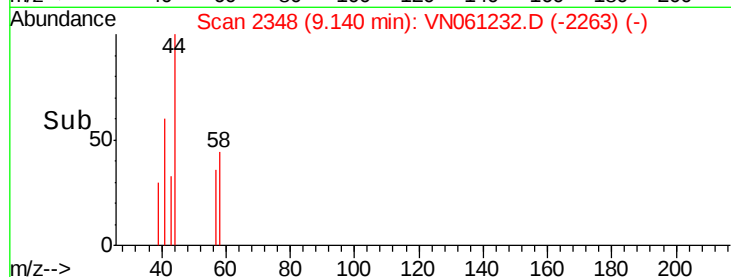
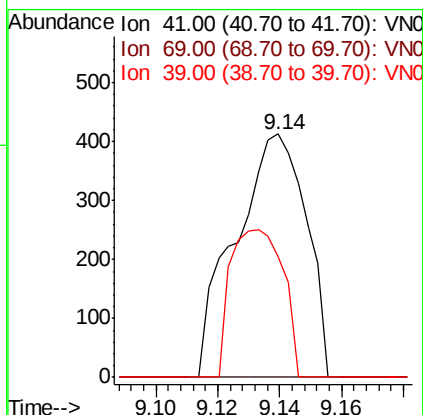
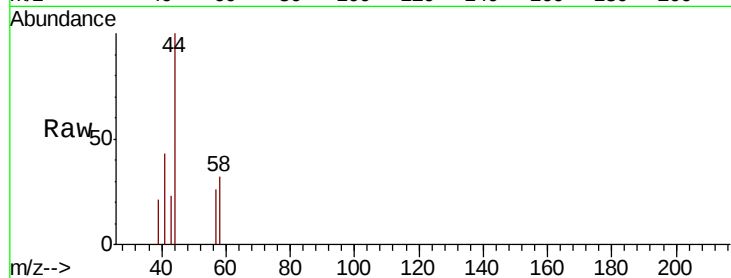




#48
Methyl methacrylate
Concen: 0.398 ug/l
RT: 9.14 min Scan# 2348
Delta R.T. -0.03 min
Lab File: VN061232.D
Acq: 1 May 2020 15:54

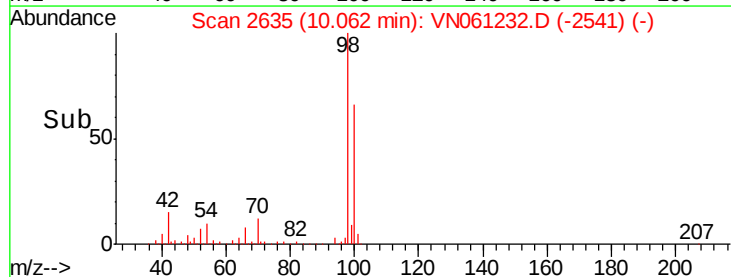
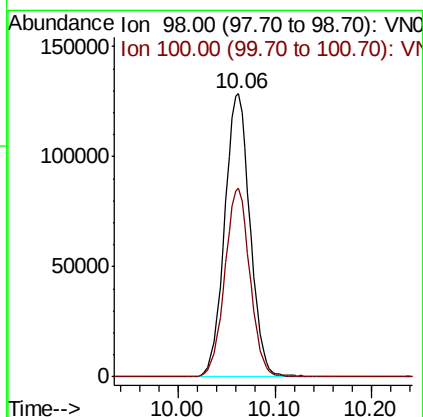
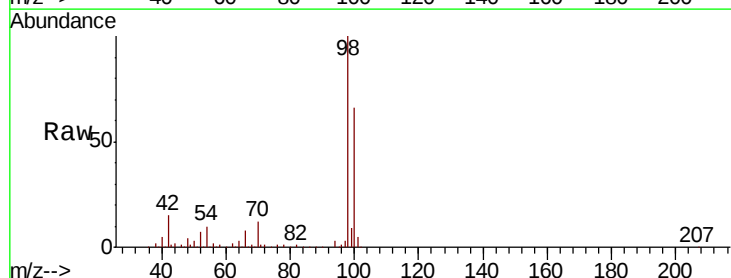
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805

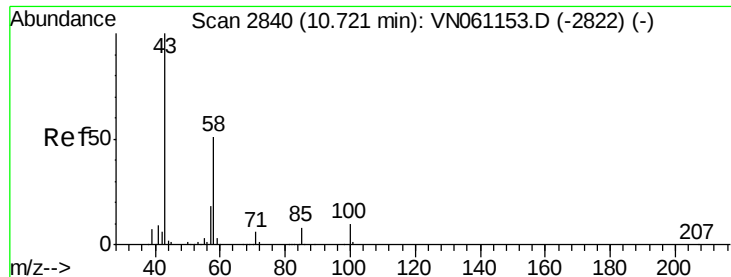
Tot Ion: 41 Resp: 657
Ion Ratio Lower Upper
41 100
69 0.0 60.3 90.5#
39 44.9 47.4 71.0#



#50
Toluene-d8
Concen: 51.786 ug/l
RT: 10.06 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VN061232.D
Acq: 1 May 2020 15:54

Tgt Ion: 98 Resp: 234170
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0





#59

2-Hexanone

Concen: 0.336 ug/l

RT: 10.82 min Scan# 2872

Delta R.T. 0.10 min

Lab File: VN061232.D

Acq: 1 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

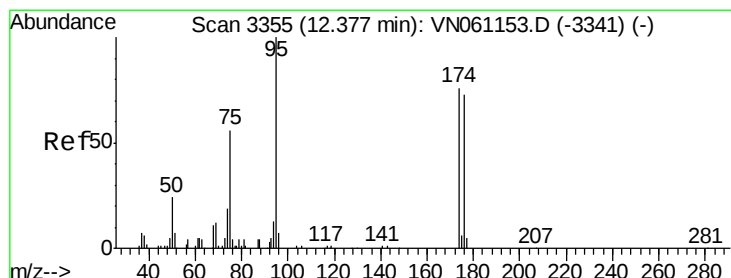
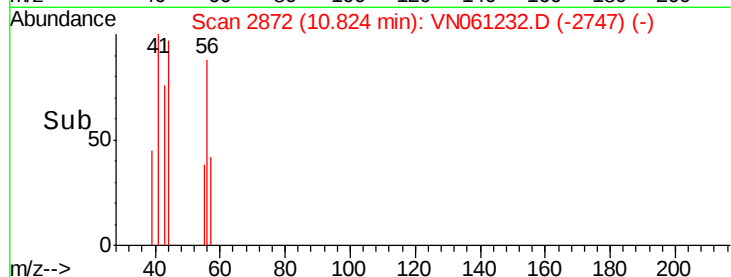
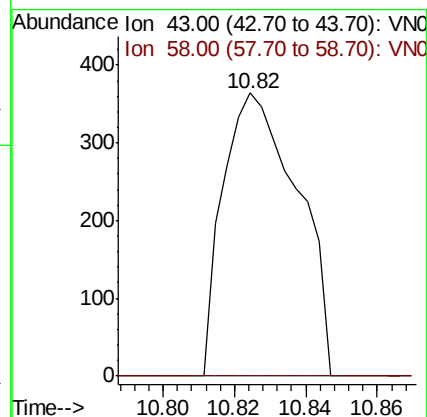
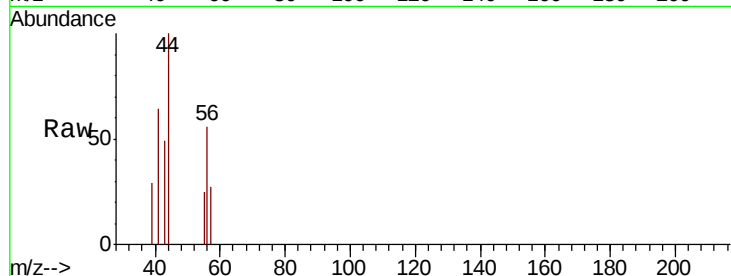
BP-VPB180-GW-803-805

Tot Ion: 43 Resp: 525

Ion Ratio Lower Upper

43 100

58 0.0 25.4 76.4#



#62

4-Bromofluorobenzene

Concen: 51.439 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061232.D

Acq: 1 May 2020 15:54

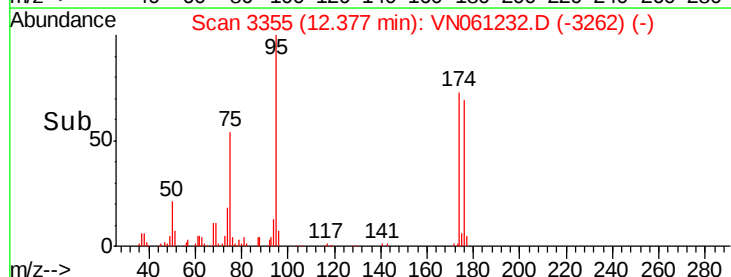
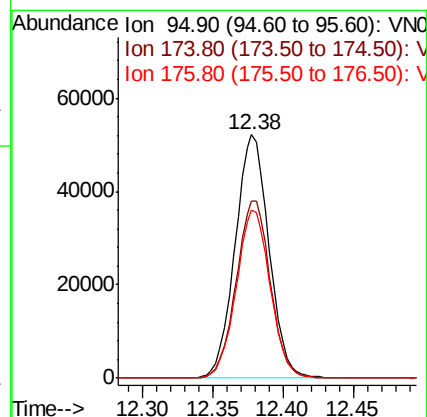
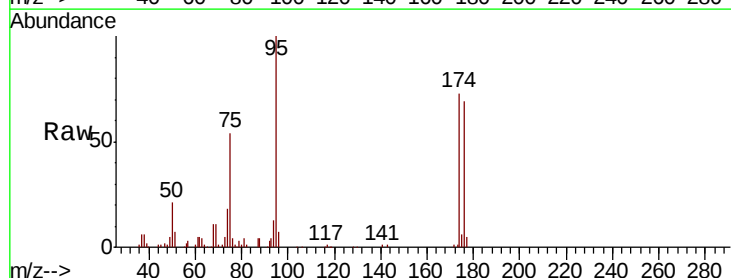
Tgt Ion: 95 Resp: 87533

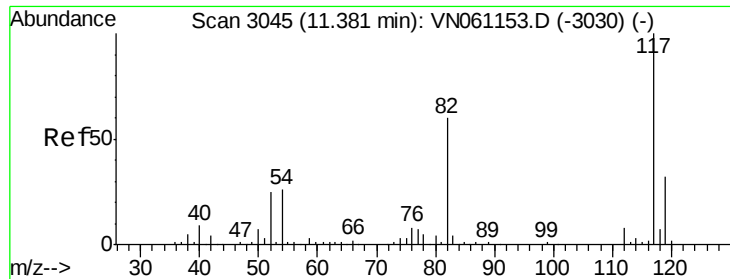
Ion Ratio Lower Upper

95 100

174 73.2 0.0 149.4

176 69.4 0.0 144.8

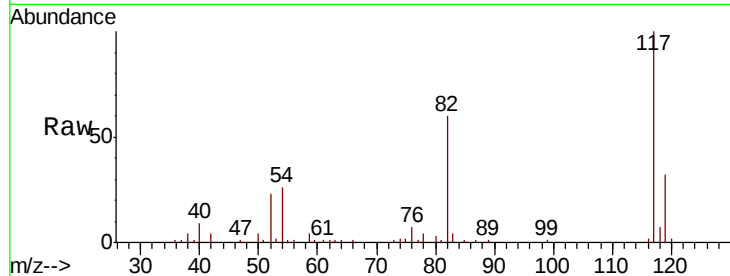




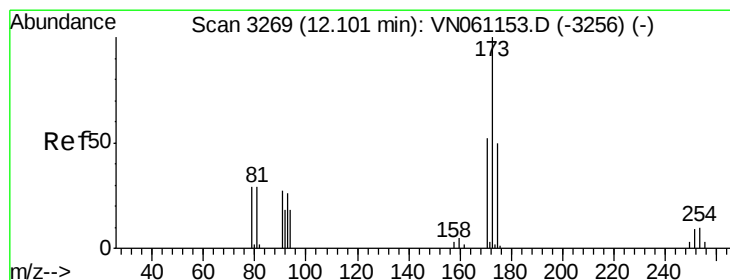
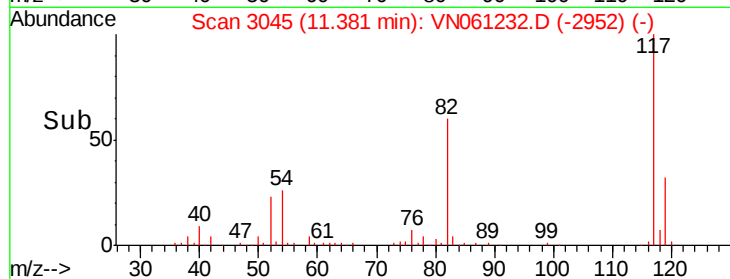
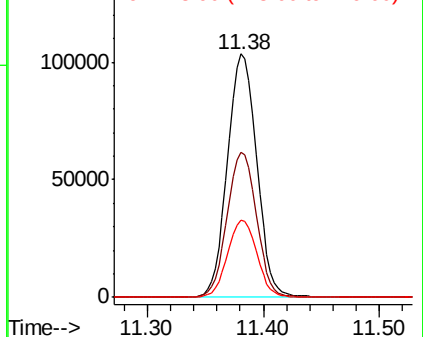
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061232.D
Acq: 1 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805

Tot Ion:117 Resp: 180761
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.8
119 31.7 25.8 38.6

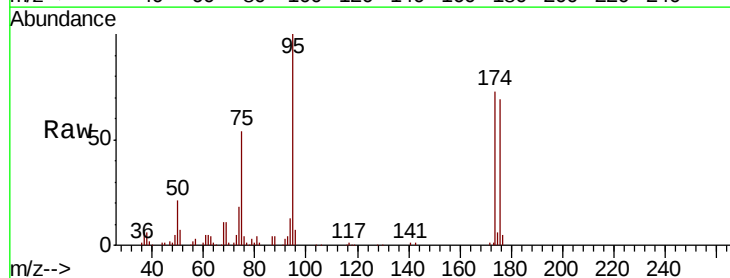


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

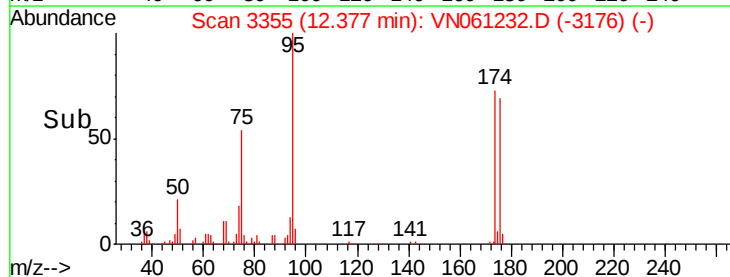
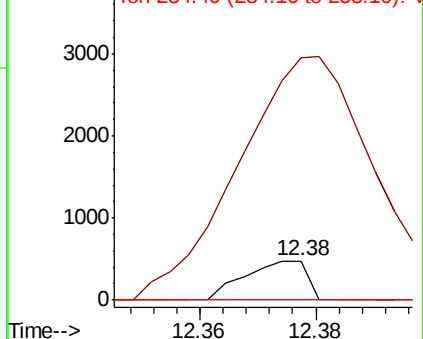


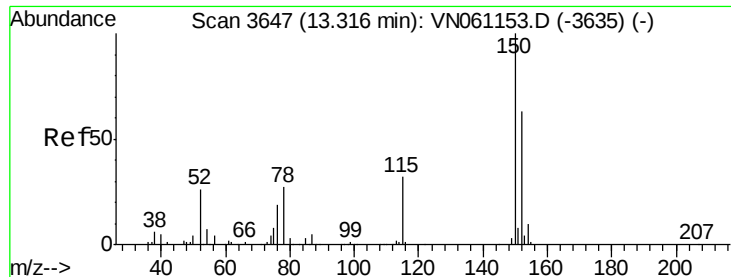
#71
Bromoform
Concen: 0.372 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.28 min
Lab File: VN061232.D
Acq: 1 May 2020 15:54

Tgt Ion:173 Resp: 351
Ion Ratio Lower Upper
173 100
175 1142.7 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: VN061232.D

Acq: 1 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805

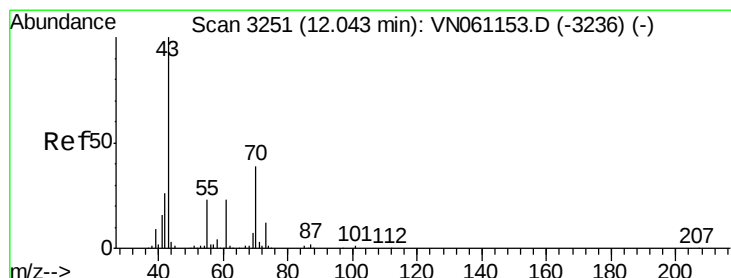
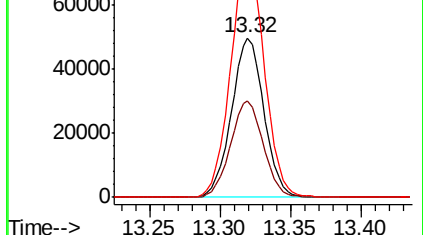
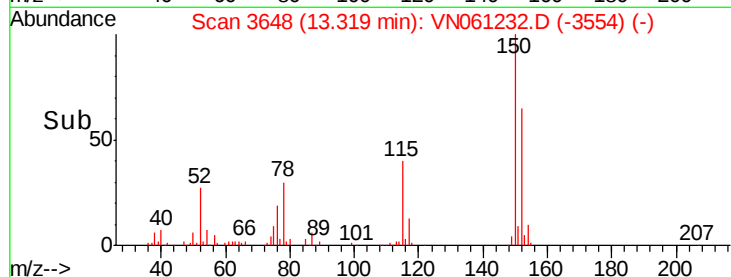
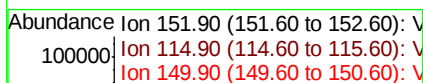
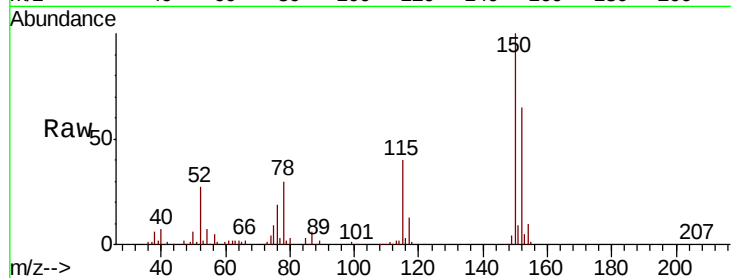
Tot Ion:152 Resp: 80190

Ion Ratio Lower Upper

152 100

115 60.9 31.0 93.0

150 156.2 0.0 351.8



#74

N-ethyl acetate

Concen: 0.243 ug/l

RT: 12.00 min Scan# 3238

Delta R.T. -0.04 min

Lab File: VN061232.D

Acq: 1 May 2020 15:54

Tgt Ion: 43 Resp: 725

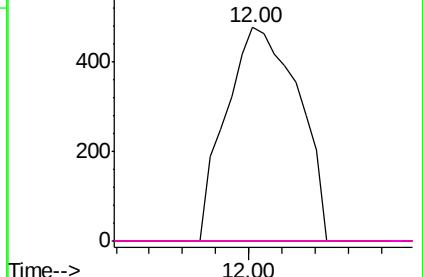
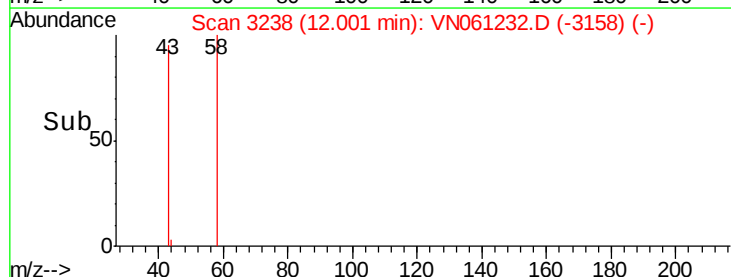
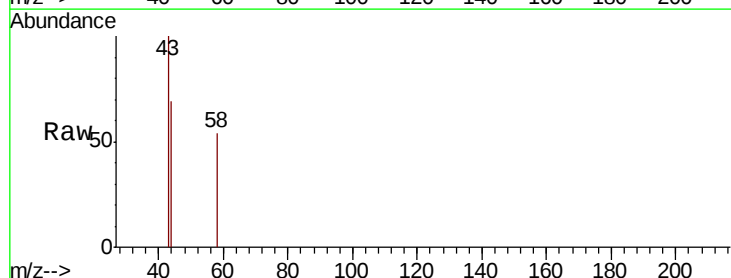
Ion Ratio Lower Upper

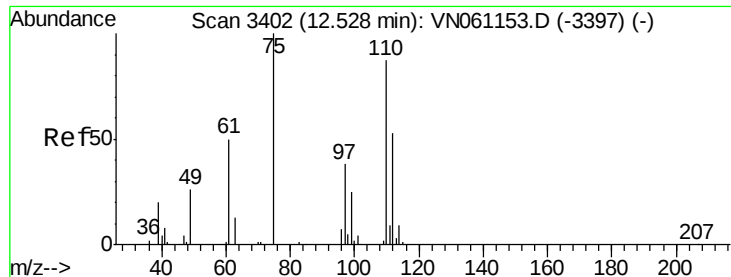
43 100

70 0.0 30.6 46.0#

55 0.0 18.5 27.7#

61 0.0 17.9 26.9#





#76

1,2,3-Trichloropropane

Concen: 27.526 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061232.D

Acq: 1 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

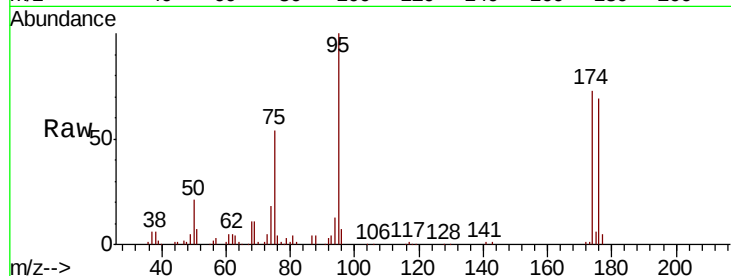
BP-VPB180-GW-803-805

Tot Ion: 75 Resp: 46536

Ion Ratio Lower Upper

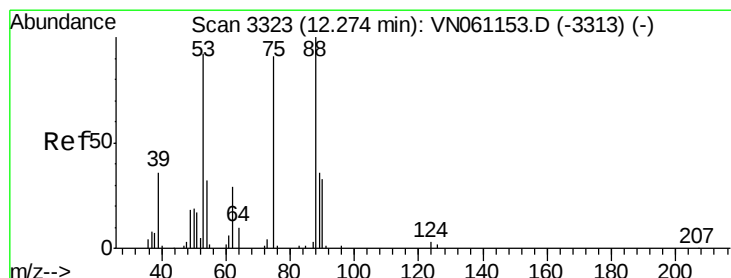
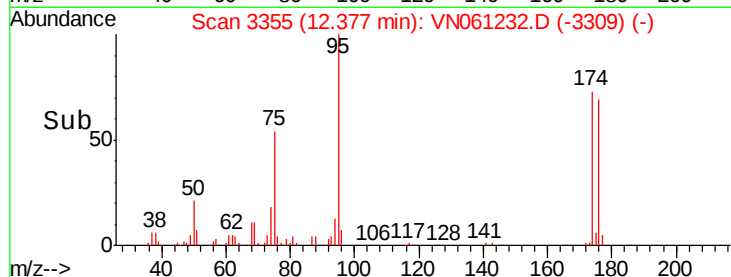
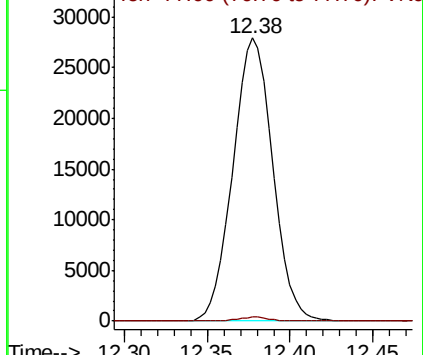
75 100

77 1.0 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: 69.902 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061232.D

Acq: 1 May 2020 15:54

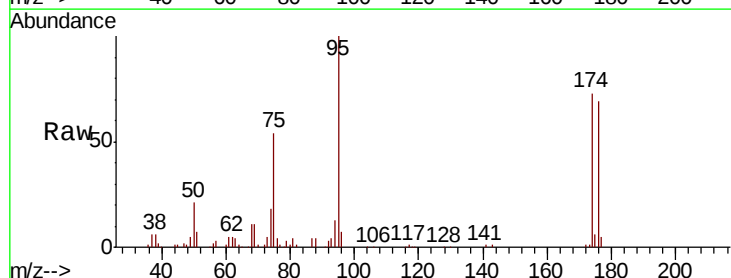
Tgt Ion: 75 Resp: 46536

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

