

Data File : VN061193.D
Acq On : 29 Apr 2020 15:24
Operator : JC/MD
Sample : L2443-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-738-740

Quant Time: Apr 30 03:05:03 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	87069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	156113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	151771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	66806	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	72266	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
35) Dibromofluoromethane	7.55	113	48871	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
50) Toluene-d8	10.06	98	197086	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.38	95	72746	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

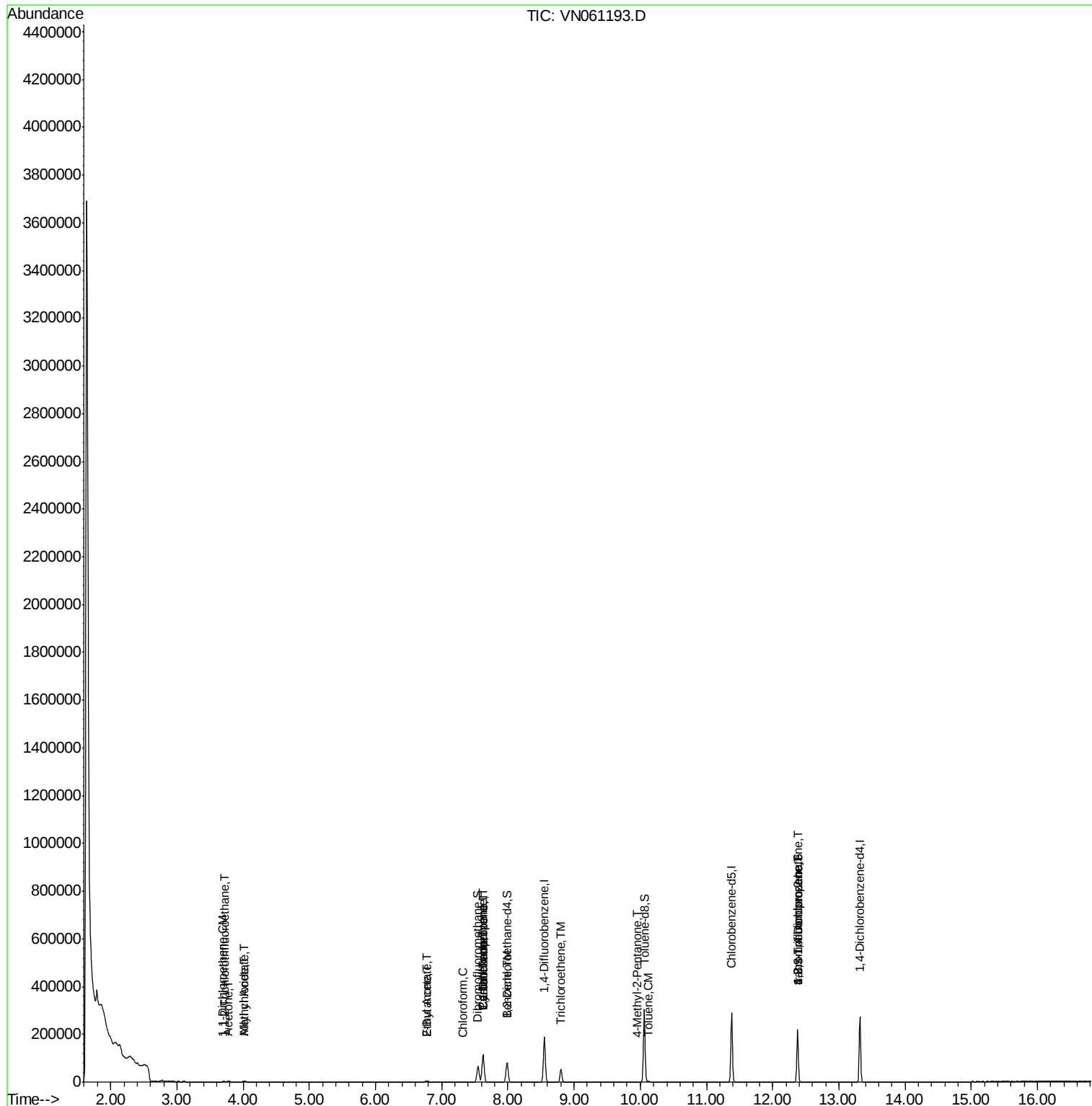
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1055	1.143	ug/l #	88
12) 1,1-Dichloroethene	3.70	96	1036	1.128	ug/l	90
14) Allyl chloride	4.02	41	1038	0.609	ug/l #	68
16) Acetone	3.77	43	8881	11.395	ug/l	99
18) Methyl Acetate	4.02	43	1084	1.294	ug/l #	55
25) 2-Butanone	6.77	43	480	0.589	ug/l #	53
30) Chloroform	7.33	83	446	0.213	ug/l	98
31) Cyclohexane	7.63	56	2528	1.261	ug/l #	18
36) 1,1-Dichloropropene	7.63	75	8012	5.127	ug/l #	48
37) Ethyl Acetate	6.77	43	480	0.262	ug/l #	1
38) Carbon Tetrachloride	7.63	117	9408	8.583	ug/l #	16
40) Benzene	8.00	78	1173	0.252	ug/l	93
44) Trichloroethene	8.80	130	18626	14.799	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	426	0.238	ug/l #	38
52) Toluene	10.12	92	1139	0.406	ug/l	81
76) 1,2,3-Trichloropropane	12.37	75	40936	29.065	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	40936	73.809	ug/l #	8

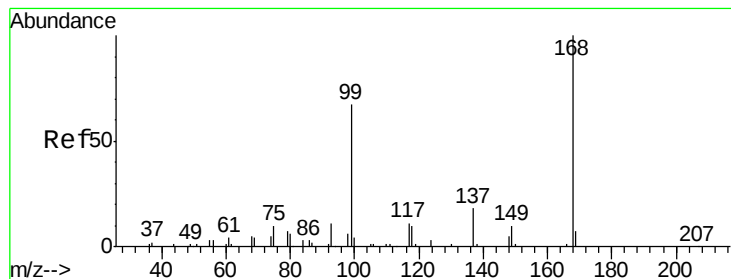
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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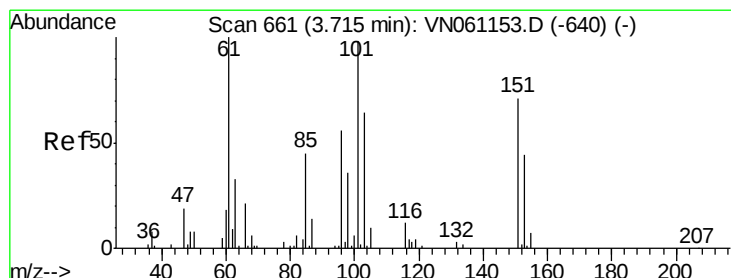
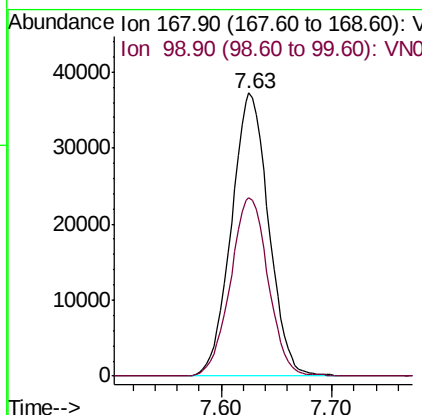
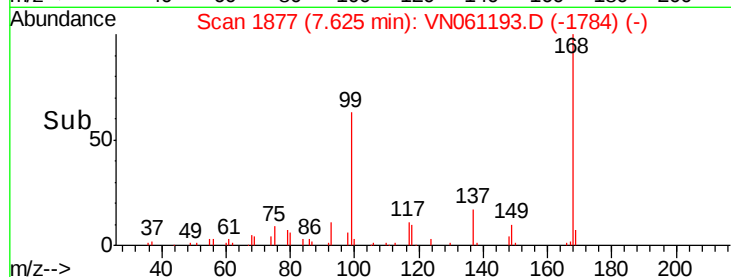
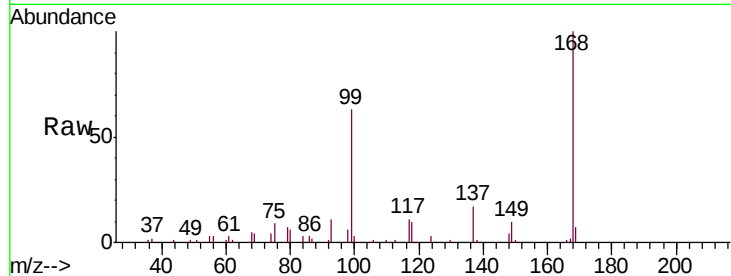




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VN061193.D
Acq: 29 Apr 2020 15:24

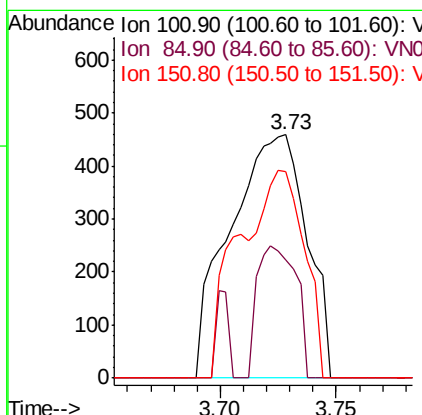
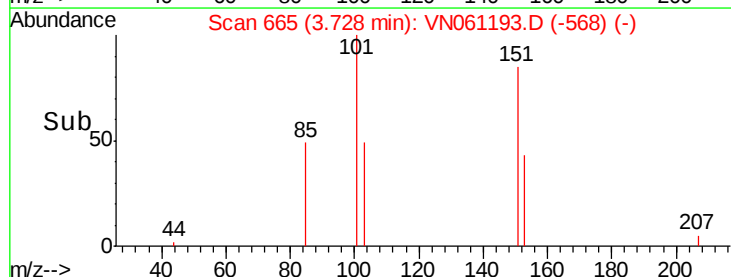
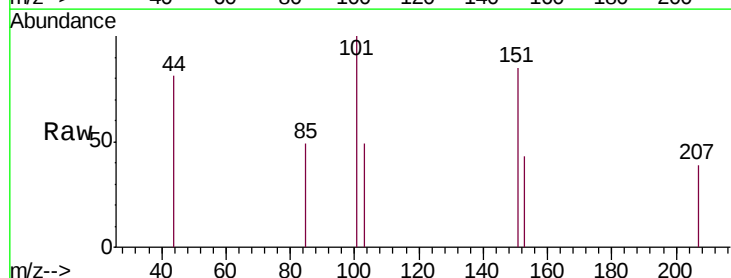
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-738-740

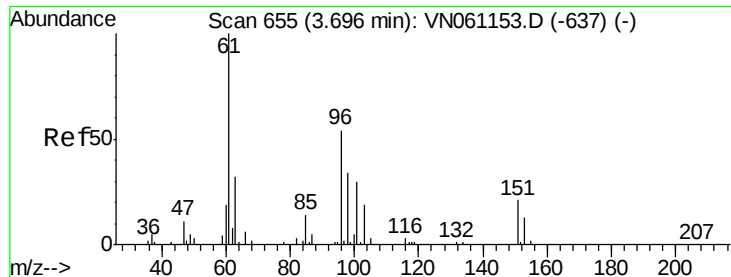
Tgt Ion:168 Resp: 87069
Ion Ratio Lower Upper
168 100
99 63.2 51.2 76.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.143 ug/l
RT: 3.73 min Scan# 665
Delta R.T. 0.01 min
Lab File: VN061193.D
Acq: 29 Apr 2020 15:24

Tgt Ion:101 Resp: 1055
Ion Ratio Lower Upper
101 100
85 27.8 37.2 55.8#
151 72.8 57.7 86.5





#12

1,1-Dichloroethene

Concen: 1.128 ug/l

RT: 3.70 min Scan# 655

Delta R.T. 0.00 min

Lab File: VN061193.D

Acq: 29 Apr 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-738-740

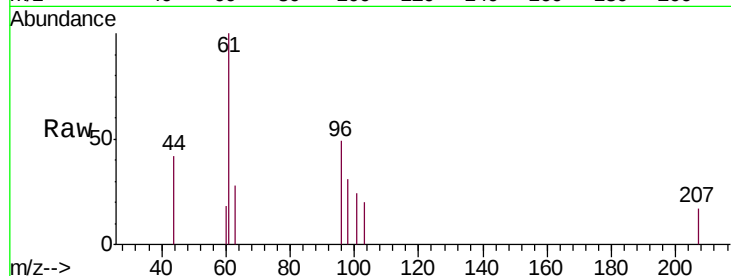
Tgt Ion: 96 Resp: 1036

Ion Ratio Lower Upper

96 100

61 202.9 147.0 220.6

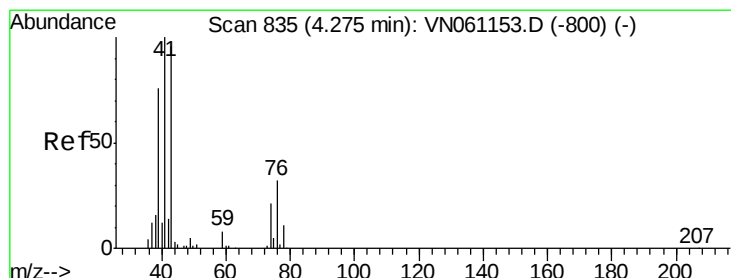
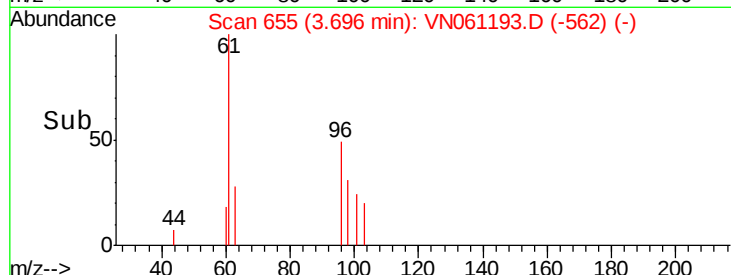
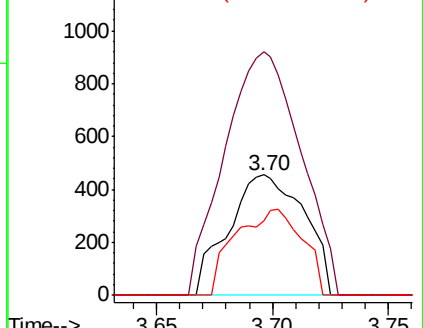
98 62.3 49.8 74.6



Abundance Ion 95.90 (95.60 to 96.60): VN061193.D (-562) (-)

Ion 60.90 (60.60 to 61.60): VN061193.D (-562) (-)

Ion 97.90 (97.60 to 98.60): VN061193.D (-562) (-)



#14

Allyl chloride

Concen: 0.609 ug/l

RT: 4.02 min Scan# 755

Delta R.T. -0.26 min

Lab File: VN061193.D

Acq: 29 Apr 2020 15:24

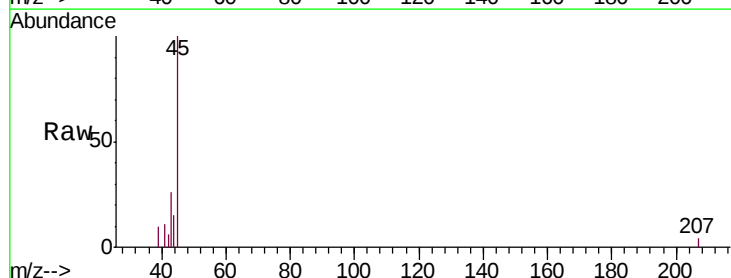
Tgt Ion: 41 Resp: 1038

Ion Ratio Lower Upper

41 100

39 89.3 57.1 85.7#

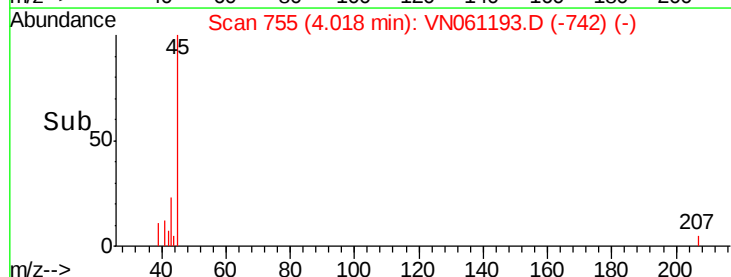
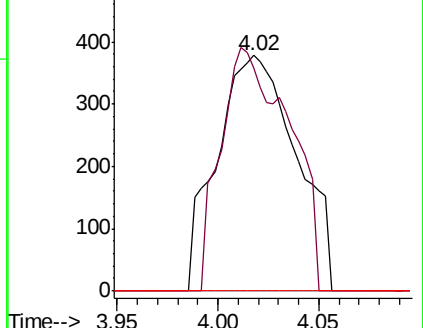
76 0.0 24.3 36.5#

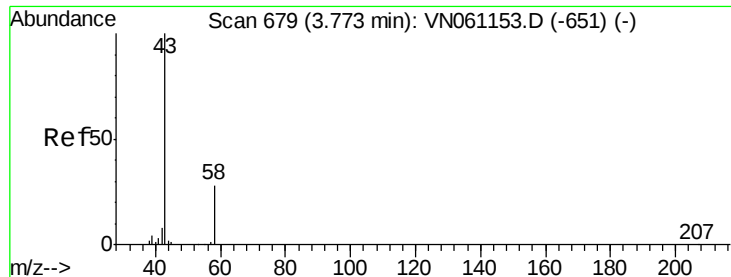


Abundance Ion 41.00 (40.70 to 41.70): VN061193.D (-742) (-)

Ion 39.00 (38.70 to 39.70): VN061193.D (-742) (-)

Ion 75.90 (75.60 to 76.60): VN061193.D (-742) (-)





#16

Acetone

Concen: 11.395 ug/l

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061193.D

Acq: 29 Apr 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

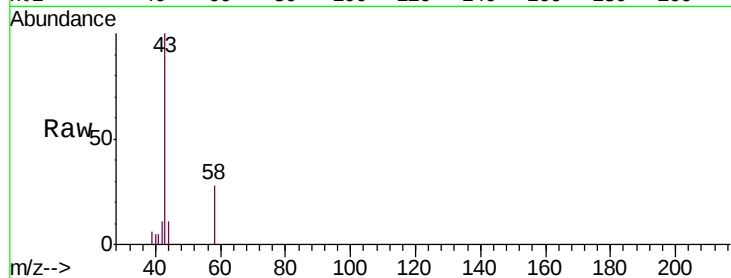
BP-VPB180-GW-738-740

Tgt Ion: 43 Resp: 8881

Ion Ratio Lower Upper

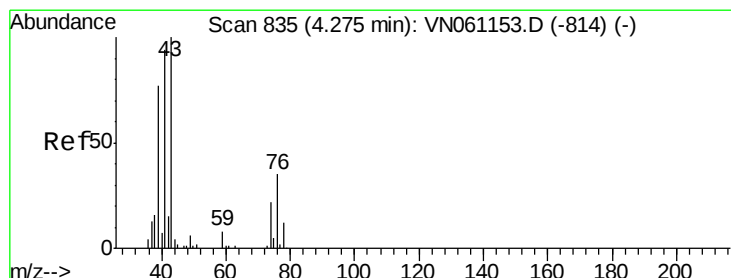
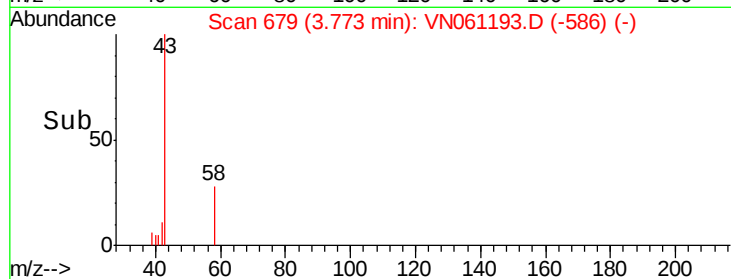
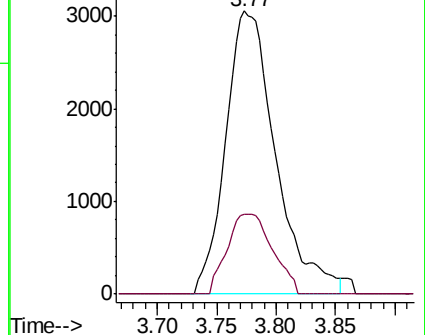
43 100

58 28.2 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN061193.D (-651) (-)

Ion 58.00 (57.70 to 58.70): VN061193.D (-651) (-)



#18

Methyl Acetate

Concen: 1.294 ug/l

RT: 4.02 min Scan# 755

Delta R.T. -0.26 min

Lab File: VN061193.D

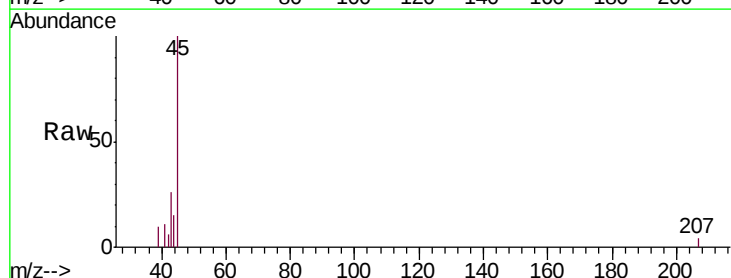
Acq: 29 Apr 2020 15:24

Tgt Ion: 43 Resp: 1084

Ion Ratio Lower Upper

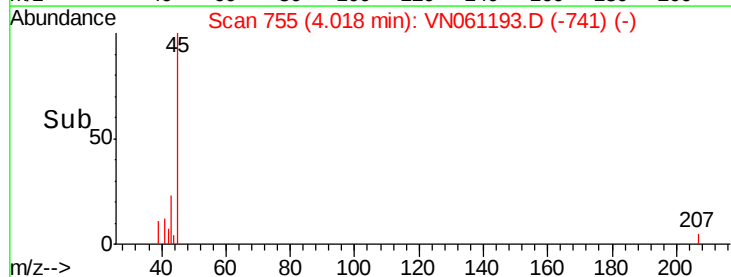
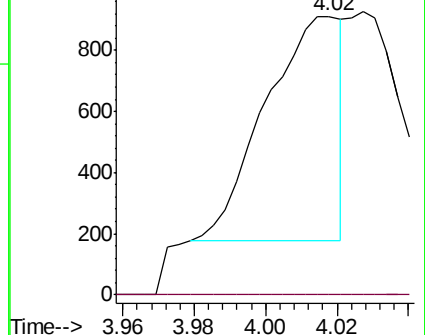
43 100

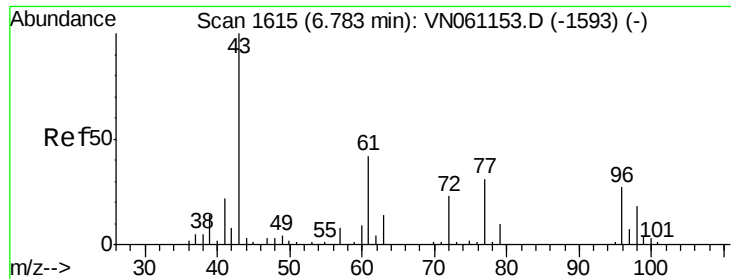
74 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061193.D (-741) (-)

Ion 74.00 (73.70 to 74.70): VN061193.D (-741) (-)

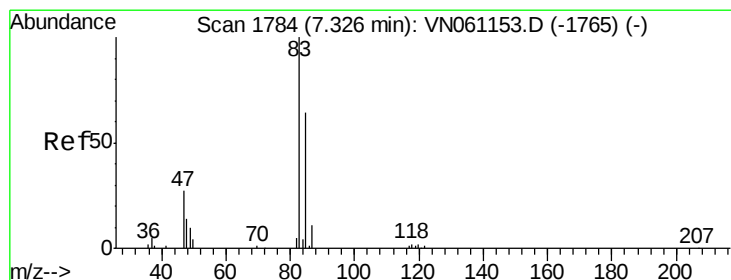
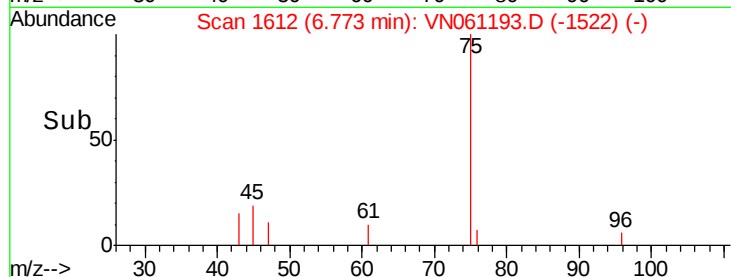
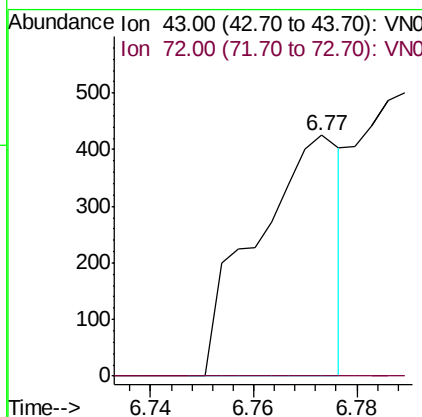
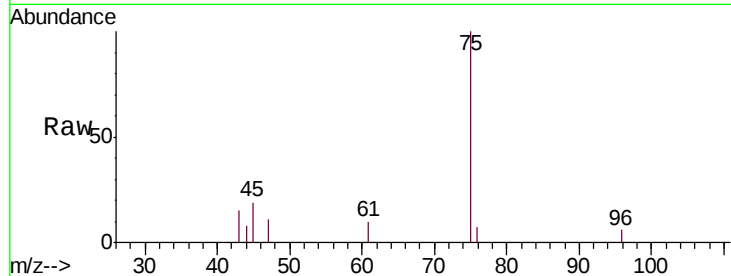




#25
2-Butanone
Concen: 0.589 ug/l
RT: 6.77 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VN061193.D
Acq: 29 Apr 2020 15:24

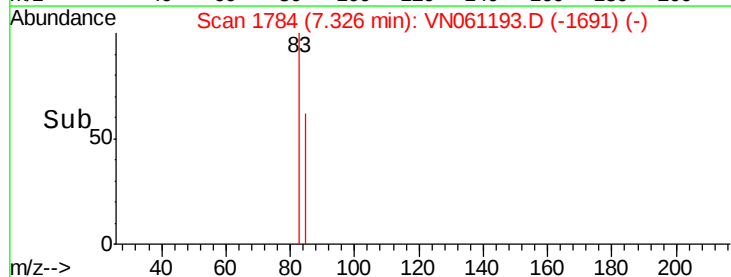
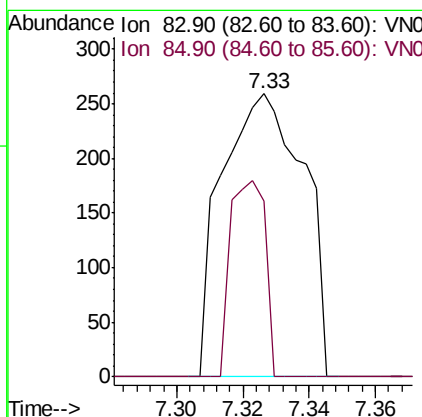
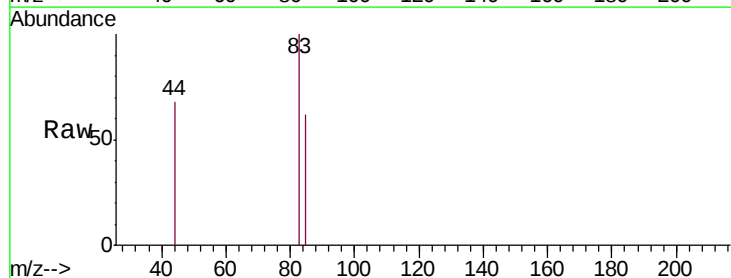
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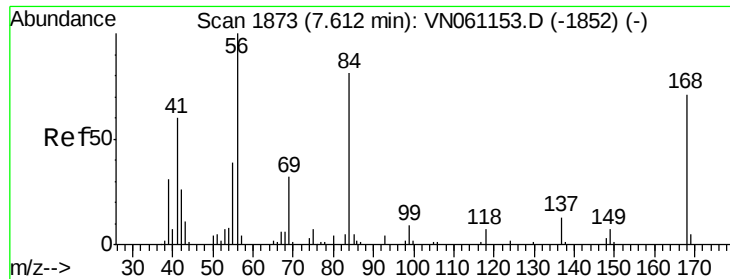
Tgt Ion: 43 Resp: 480
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#



#30
Chloroform
Concen: 0.213 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061193.D
Acq: 29 Apr 2020 15:24

Tgt Ion: 83 Resp: 446
Ion Ratio Lower Upper
83 100
85 62.2 51.1 76.7

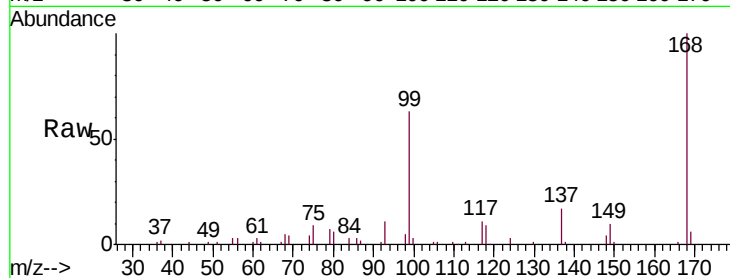




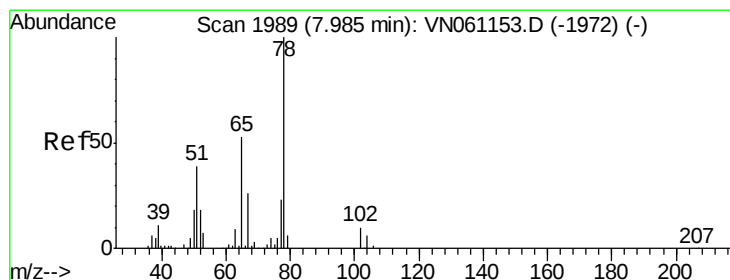
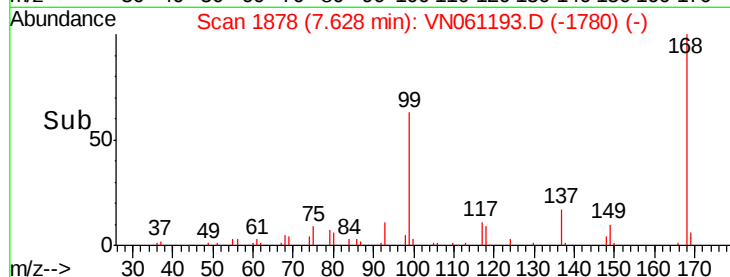
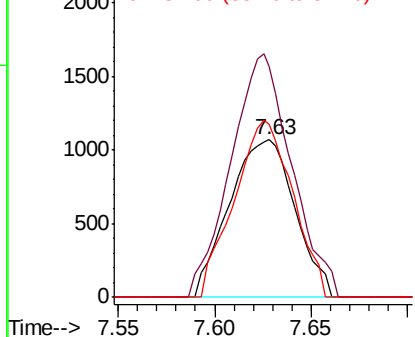
#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.63 min Scan# 1878
Delta R.T. 0.02 min
Lab File: VN061193.D
Acq: 29 Apr 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-738-740

Tgt Ion: 56 Resp: 2528
Ion Ratio Lower Upper
56 100
69 146.5 25.7 38.5#
84 110.3 64.6 97.0#

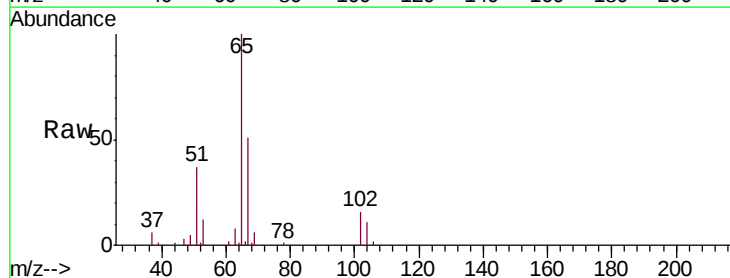


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

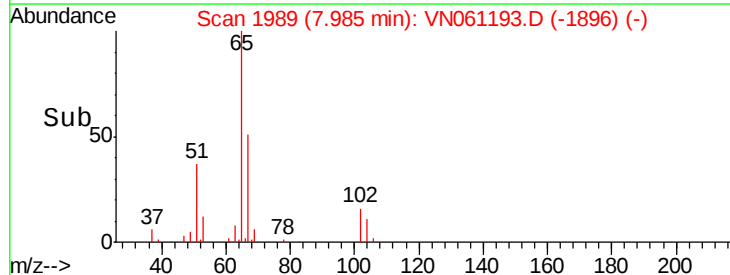
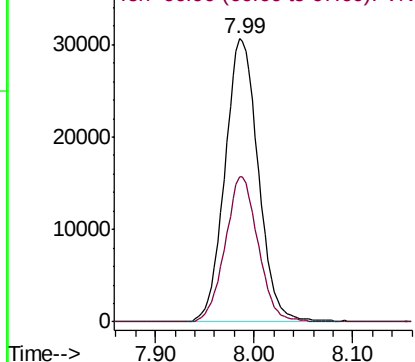


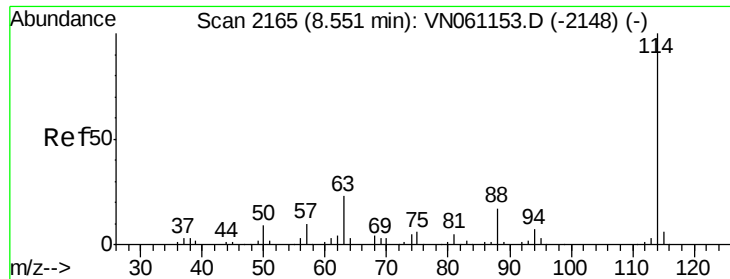
#33
1,2-Dichloroethane-d4
Concen: 52.454 ug/l
RT: 7.99 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN061193.D
Acq: 29 Apr 2020 15:24

Tgt Ion: 65 Resp: 72266
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.6



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

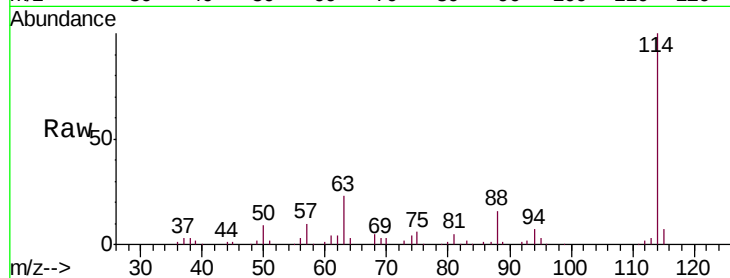




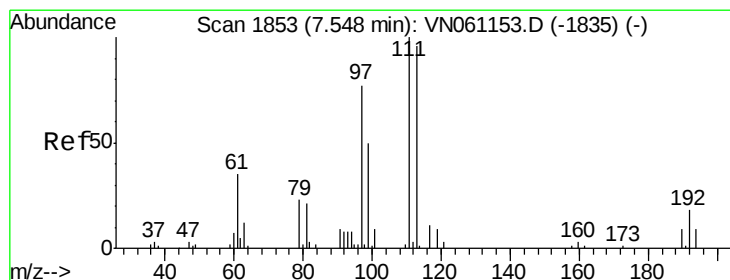
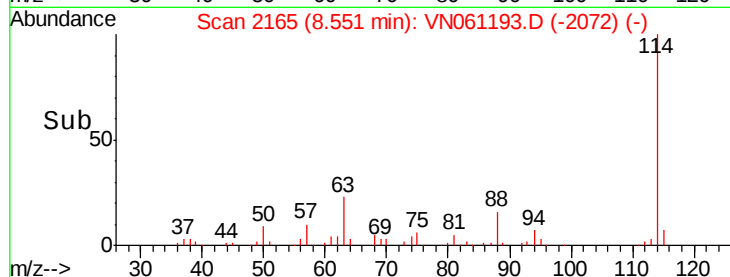
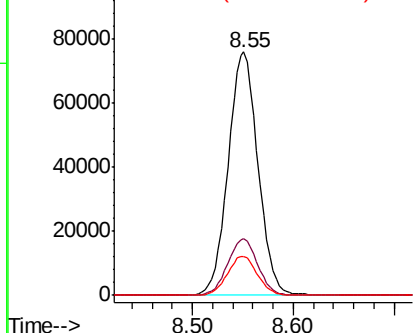
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061193.D
 Acq: 29 Apr 2020 15:24

Instrument :
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 ClientSampleId :
 BP-VPB180-GW-738-740

Tgt Ion:114 Resp: 156113
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.6
 88 16.0 0.0 33.4

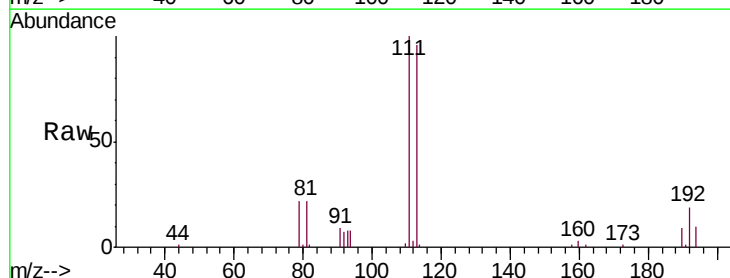


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

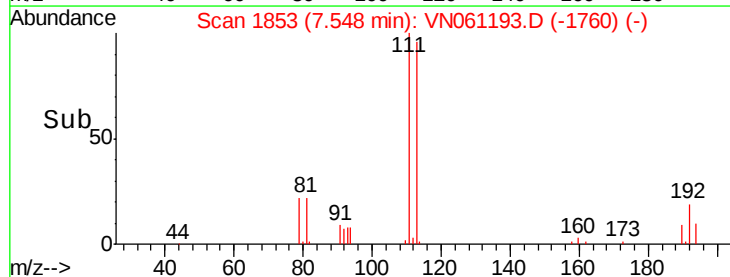
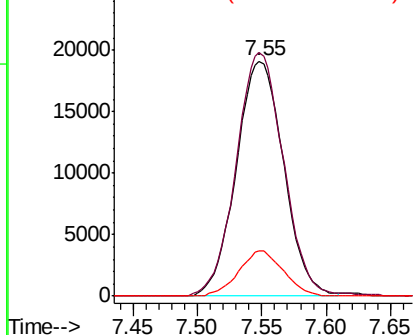


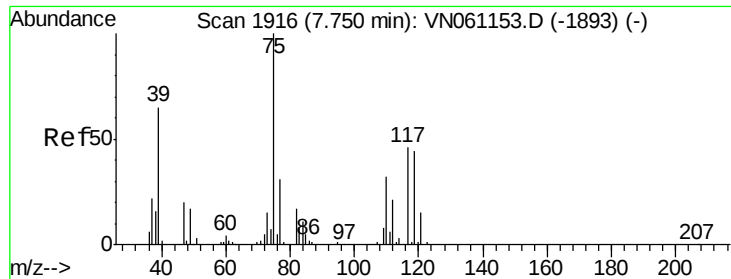
#35
 Dibromofluoromethane
 Concen: 52.940 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061193.D
 Acq: 29 Apr 2020 15:24

Tgt Ion:113 Resp: 48871
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.9 124.3
 192 18.0 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

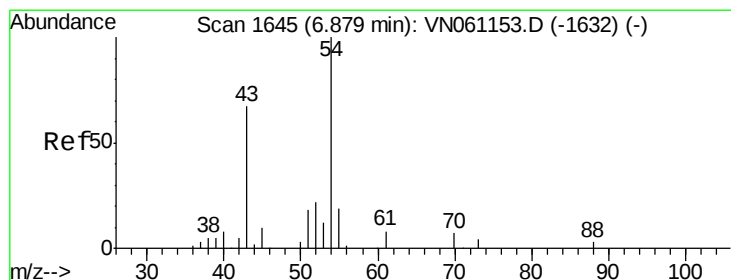
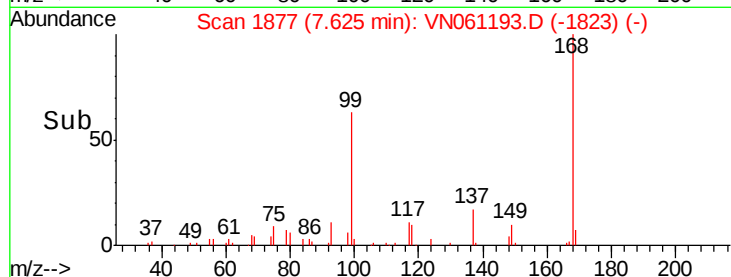
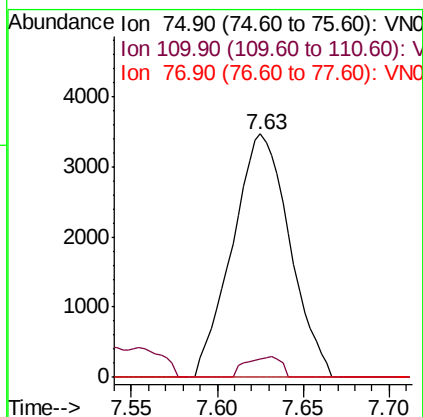
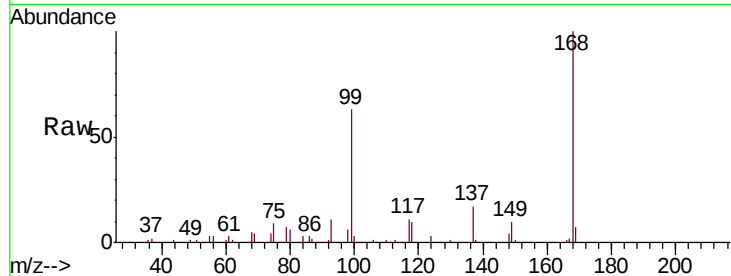




#36
 1,1-Dichloropropene
 Concen: 5.127 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061193.D
 Acq: 29 Apr 2020 15:24

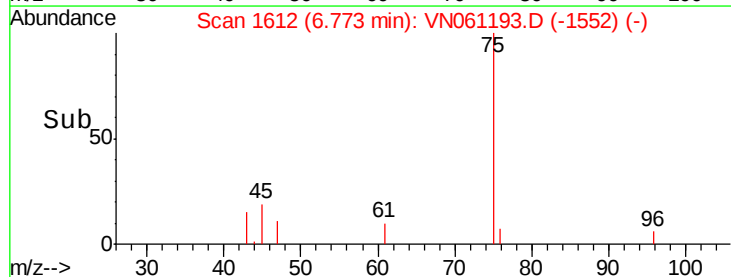
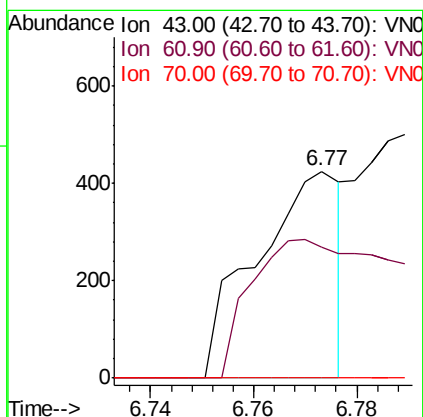
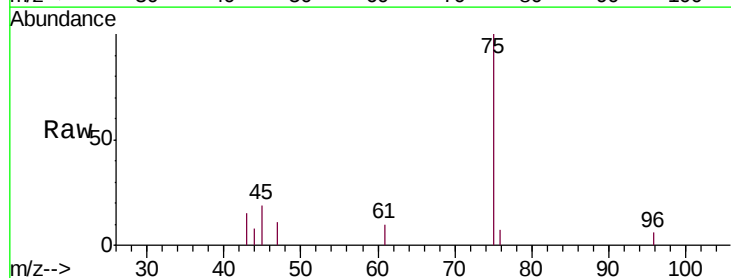
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-738-740

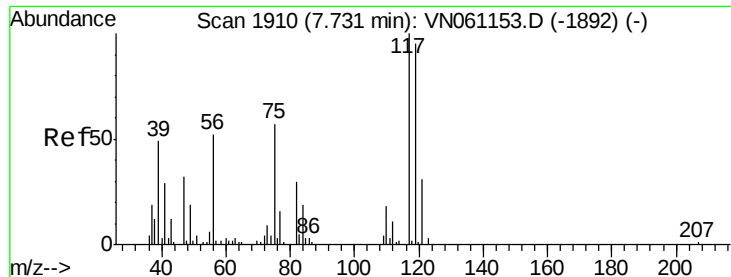
Tgt Ion: 75 Resp: 8012
 Ion Ratio Lower Upper
 75 100
 110 5.1 16.0 48.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 0.262 ug/l
 RT: 6.77 min Scan# 1612
 Delta R.T. -0.11 min
 Lab File: VN061193.D
 Acq: 29 Apr 2020 15:24

Tgt Ion: 43 Resp: 480
 Ion Ratio Lower Upper
 43 100
 61 147.9 10.2 15.2#
 70 0.0 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 8.583 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061193.D

Acq: 29 Apr 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-738-740

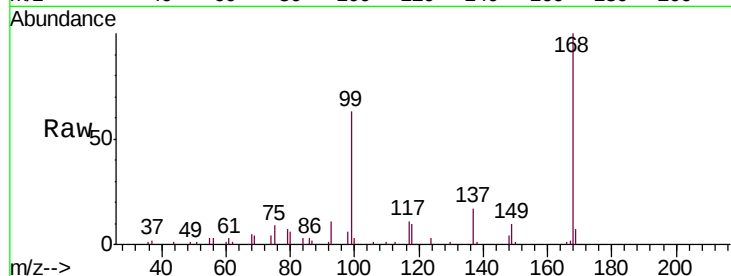
Tgt Ion:117 Resp: 9408

Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.6#

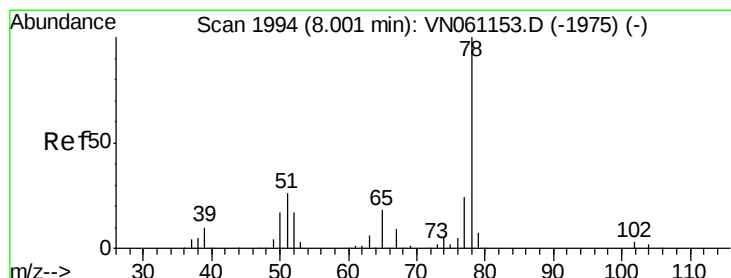
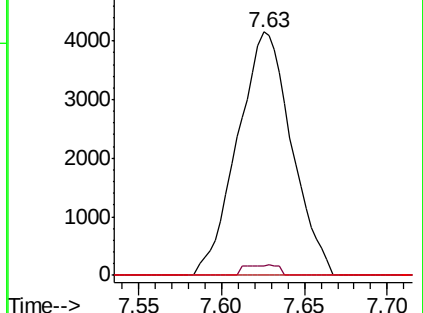
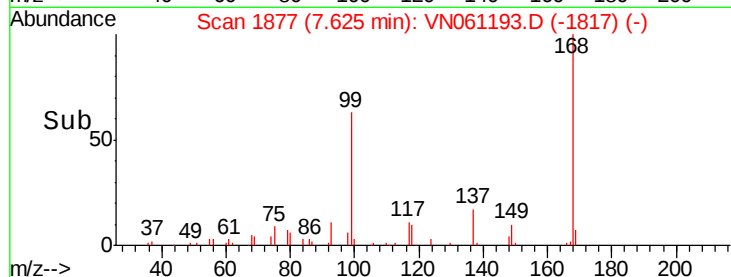
121 0.0 24.7 37.1#



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



#40

Benzene

Concen: 0.252 ug/l

RT: 8.00 min Scan# 1993

Delta R.T. -0.00 min

Lab File: VN061193.D

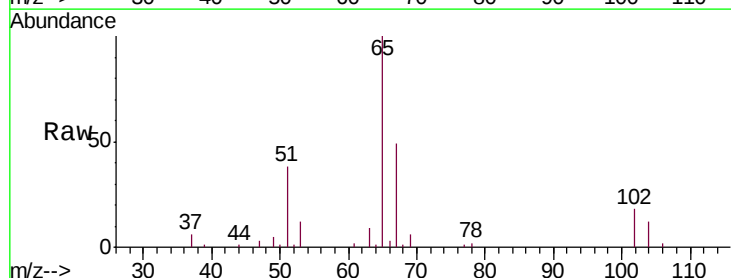
Acq: 29 Apr 2020 15:24

Tgt Ion: 78 Resp: 1173

Ion Ratio Lower Upper

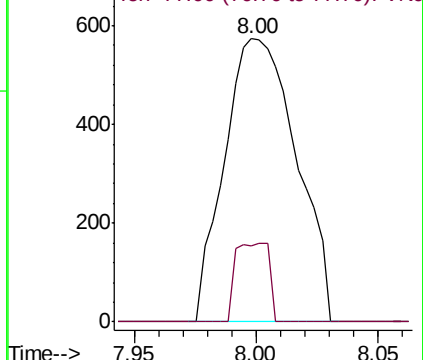
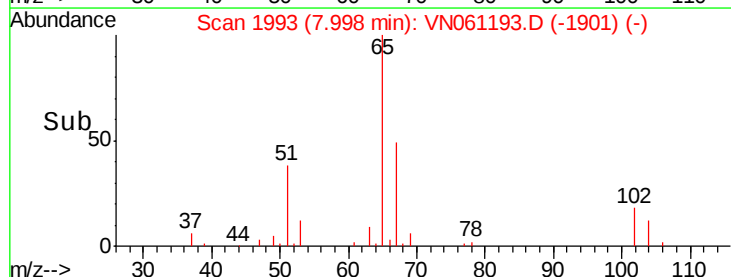
78 100

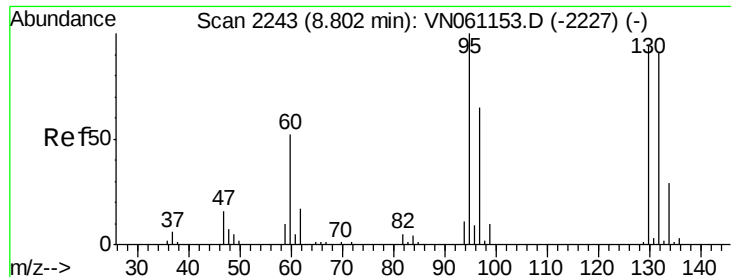
77 27.1 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#44

Trichloroethene

Concen: 14.799 ug/l

RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061193.D

Acq: 29 Apr 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

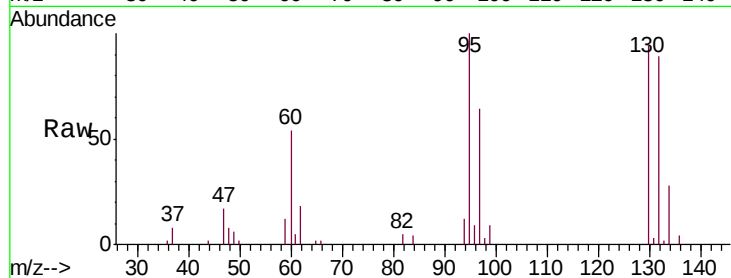
BP-VPB180-GW-738-740

Tgt Ion:130 Resp: 18626

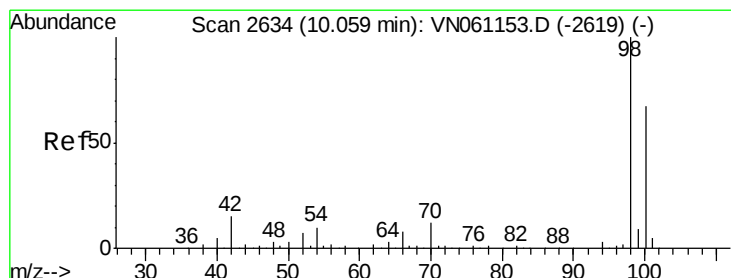
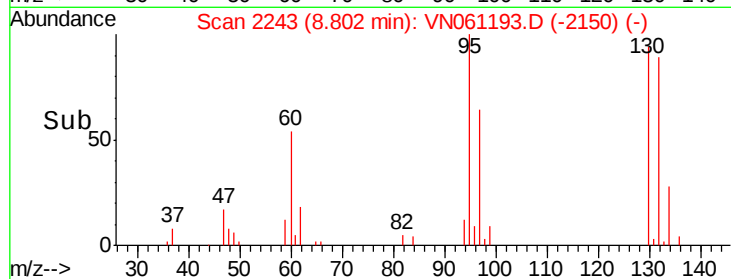
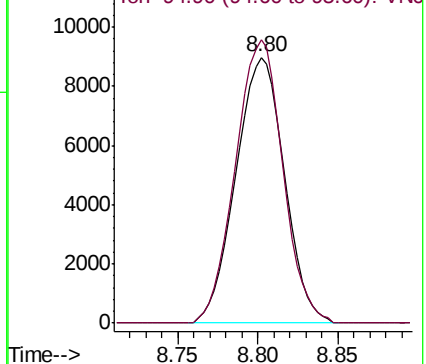
Ion Ratio Lower Upper

130 100

95 106.6 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061193.D (-2150) (-)



#50

Toluene-d8

Concen: 52.372 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061193.D

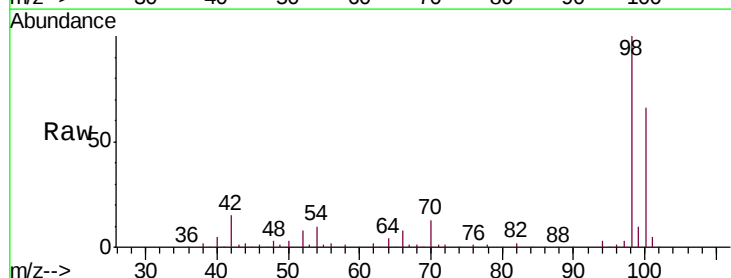
Acq: 29 Apr 2020 15:24

Tgt Ion: 98 Resp: 197086

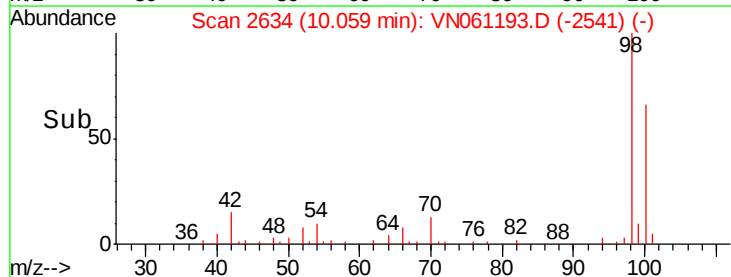
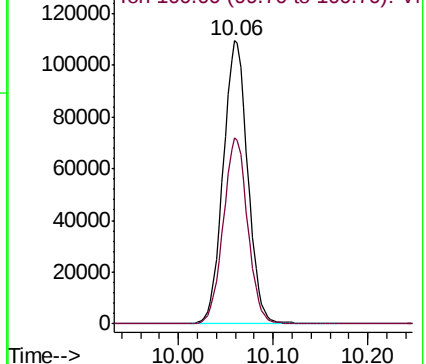
Ion Ratio Lower Upper

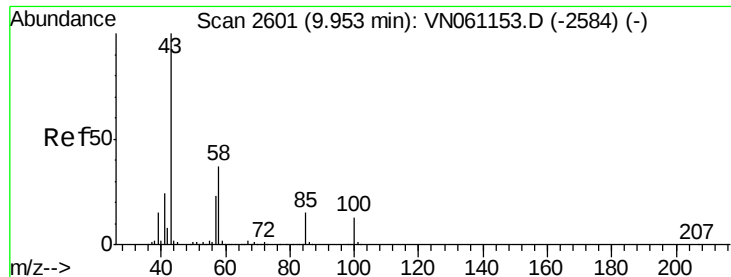
98 100

100 65.4 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN061193.D (-2541) (-)

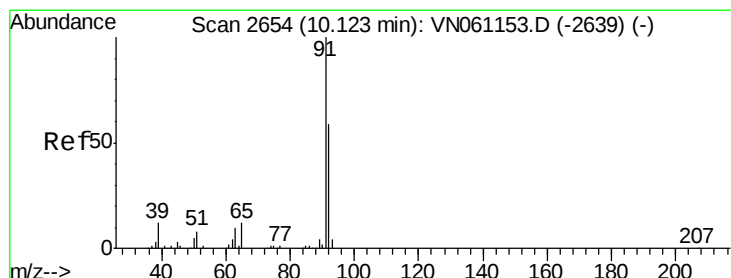
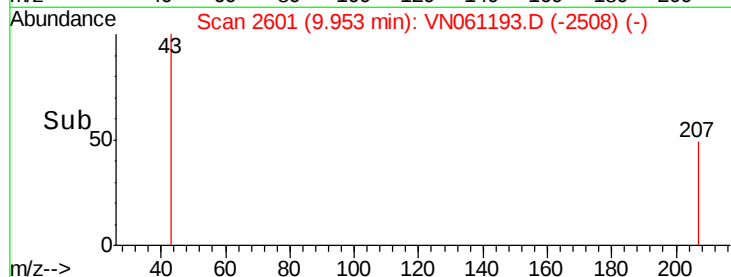
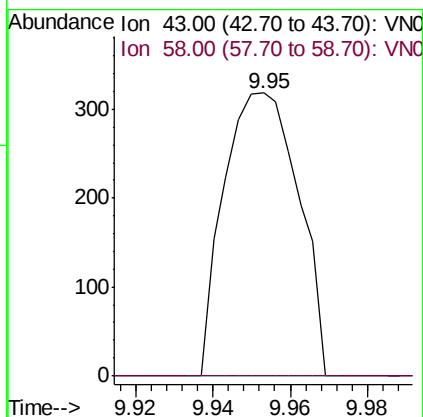
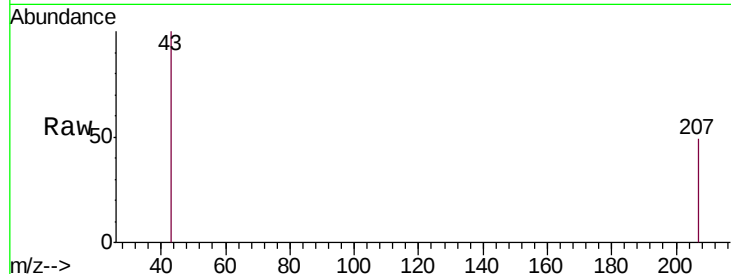




#51
 4-Methyl-2-Pentanone
 Concen: 0.238 ug/l
 RT: 9.95 min Scan# 2601
 Delta R.T. 0.00 min
 Lab File: VN061193.D
 Acq: 29 Apr 2020 15:24

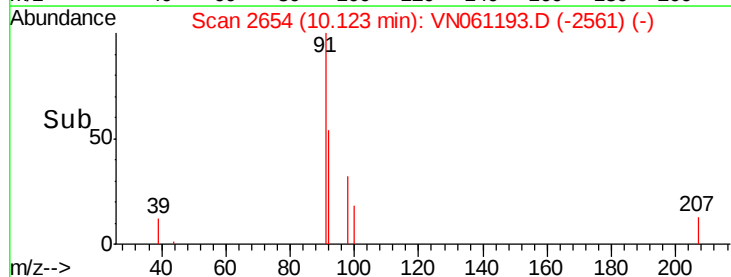
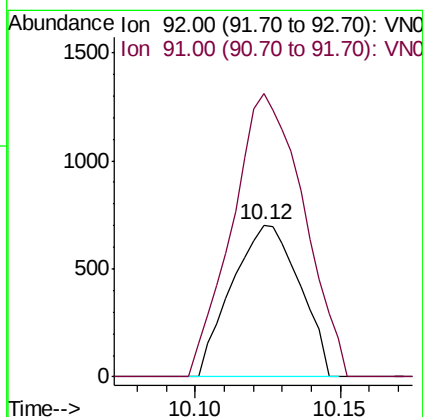
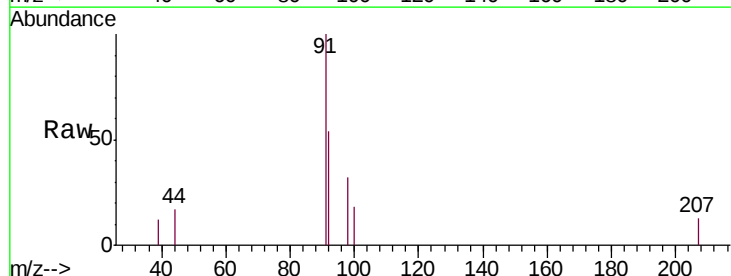
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-738-740

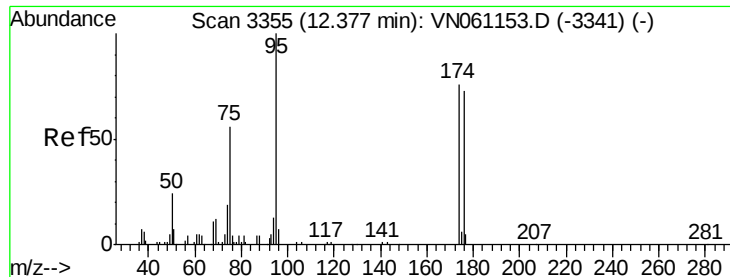
Tgt Ion: 43 Resp: 426
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.1 43.7#



#52
 Toluene
 Concen: 0.406 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061193.D
 Acq: 29 Apr 2020 15:24

Tgt Ion: 92 Resp: 1139
 Ion Ratio Lower Upper
 92 100
 91 196.8 136.2 204.2





#62

4-Bromofluorobenzene

Concen: 51.369 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061193.D

Acq: 29 Apr 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-738-740

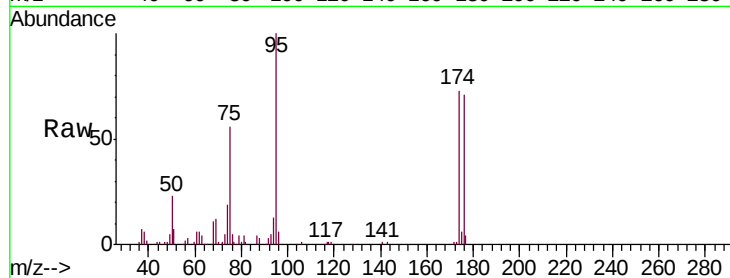
Tgt Ion: 95 Resp: 72746

Ion Ratio Lower Upper

95 100

174 72.8 0.0 149.4

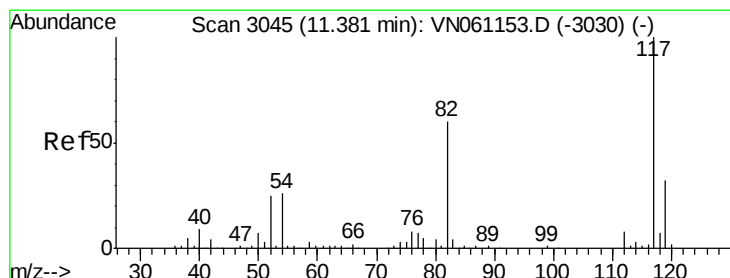
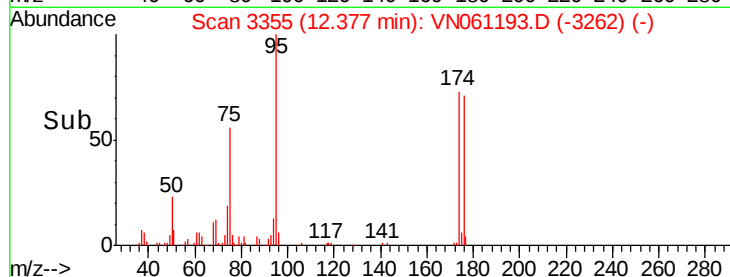
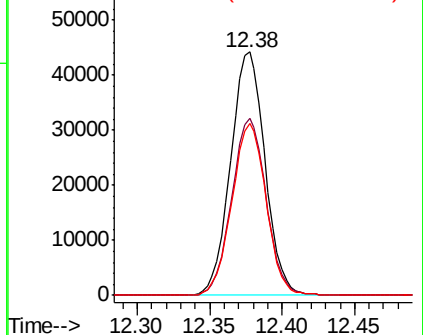
176 70.2 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061193.D (-2952) (-)

Ion 173.80 (173.50 to 174.50): VN061193.D (-2952) (-)

Ion 175.80 (175.50 to 176.50): VN061193.D (-2952) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061193.D

Acq: 29 Apr 2020 15:24

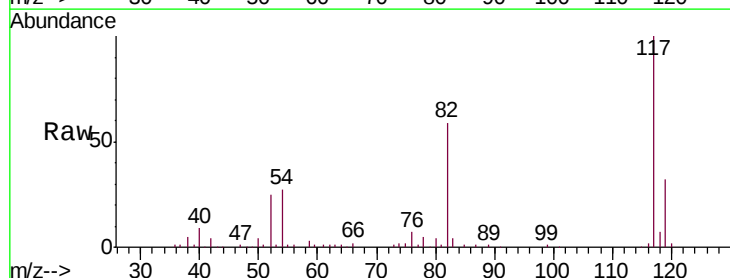
Tgt Ion: 117 Resp: 151771

Ion Ratio Lower Upper

117 100

82 58.8 47.8 71.8

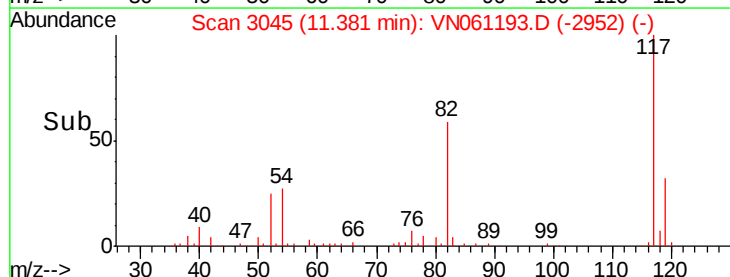
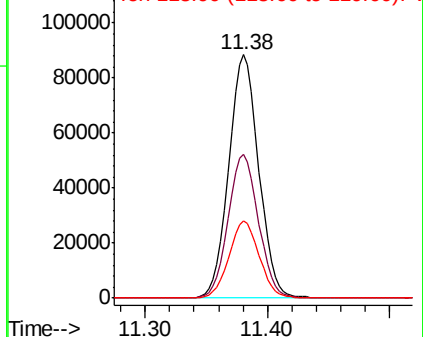
119 31.8 25.8 38.6

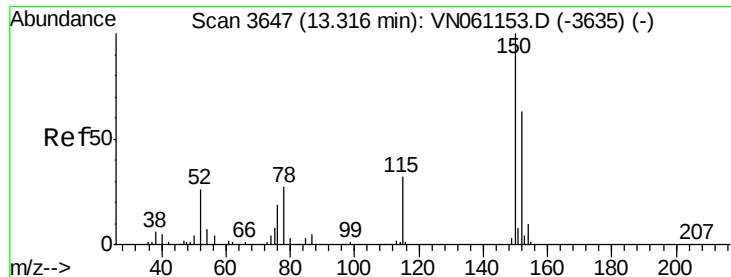


Abundance Ion 116.90 (116.60 to 117.60): VN061193.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061193.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061193.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: VN061193.D

Acq: 29 Apr 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-738-740

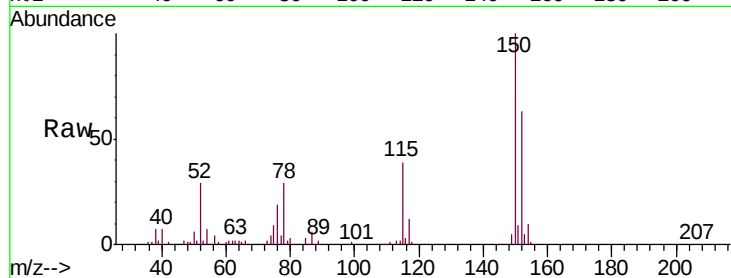
Tgt Ion:152 Resp: 66806

Ion Ratio Lower Upper

152 100

115 62.2 31.0 93.0

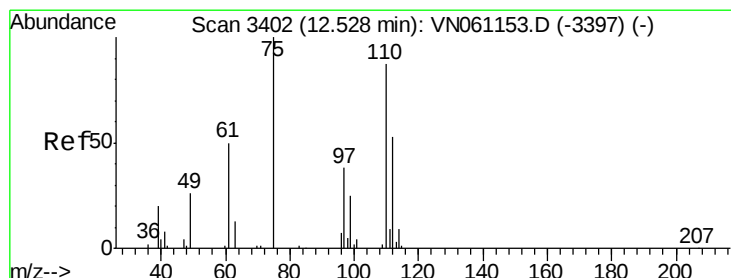
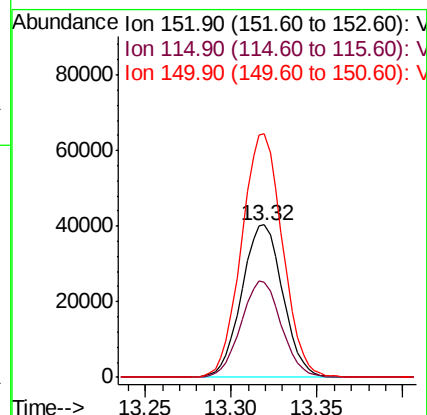
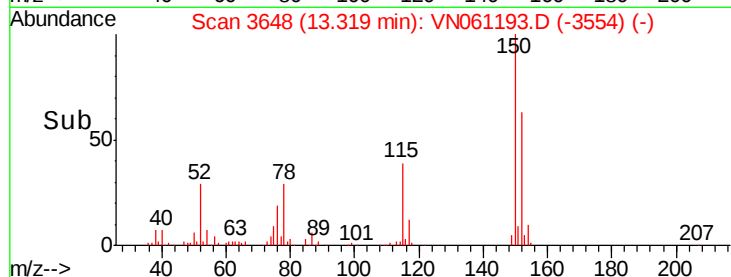
150 159.1 0.0 351.8



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: 29.065 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.15 min

Lab File: VN061193.D

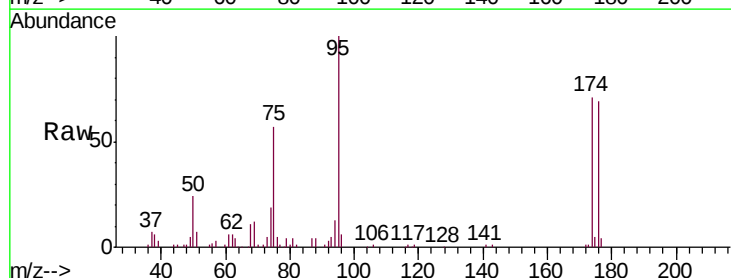
Acq: 29 Apr 2020 15:24

Tgt Ion: 75 Resp: 40936

Ion Ratio Lower Upper

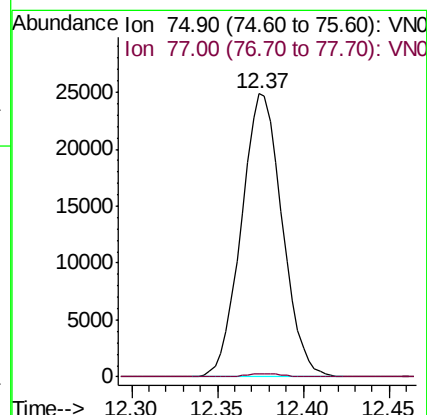
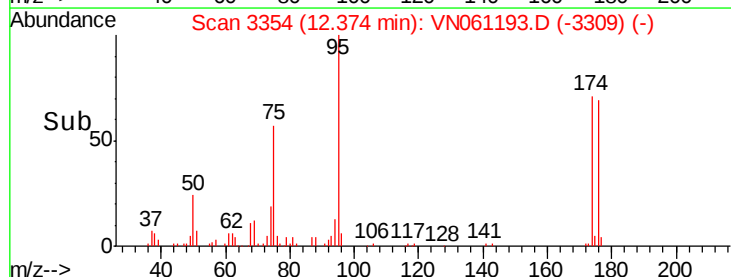
75 100

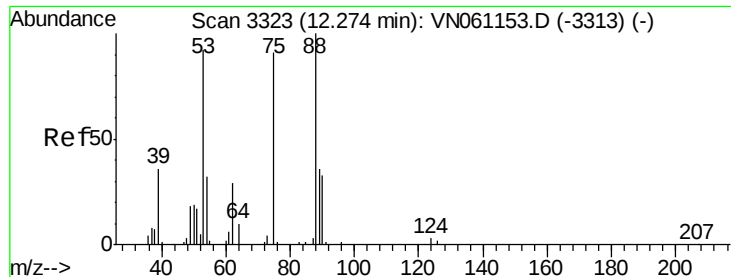
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 73.809 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. 0.10 min

Lab File: VN061193.D

Acq: 29 Apr 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-738-740

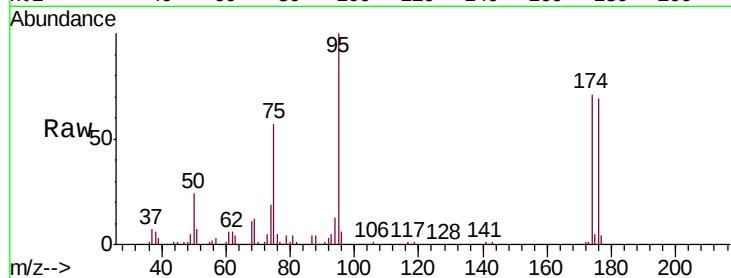
Tgt Ion: 75 Resp: 40936

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

