

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
 Data File : VN061163.D
 Acq On : 28 Apr 2020 14:54
 Operator : JC/MD
 Sample : L2386-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-558-560

Quant Time: Apr 28 20:04:41 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

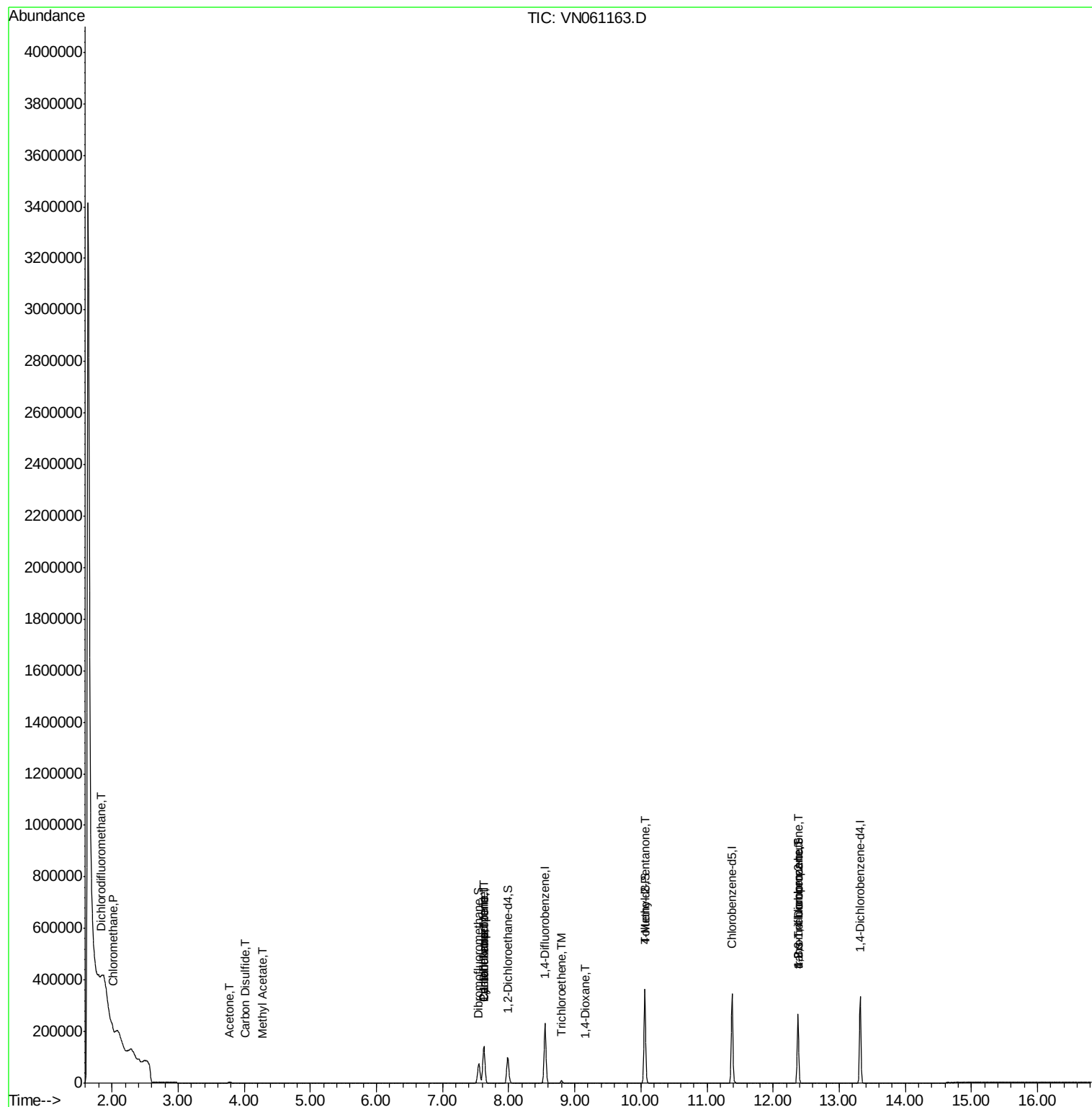
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	106459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	190547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	183588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82249	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	85518	50.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.54%	
35) Dibromofluoromethane	7.55	113	57492	51.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.04%	
50) Toluene-d8	10.06	98	235501	51.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.38	95	89674	51.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	882	0.781	ug/l	100
3) Chloromethane	2.03	50	479	0.350	ug/l #	78
16) Acetone	3.78	43	6464	4.497	ug/l	93
17) Carbon Disulfide	4.01	76	1066	0.344	ug/l #	75
18) Methyl Acetate	4.28	43	244	0.792	ug/l #	55
31) Cyclohexane	7.62	56	2915	1.190	ug/l #	18
36) 1,1-Dichloropropene	7.63	75	9690	5.080	ug/l #	50
38) Carbon Tetrachloride	7.63	117	11437	7.498	ug/l #	16
44) Trichloroethene	8.80	130	3304	2.151	ug/l	90
49) 1,4-Dioxane	9.17	88	29	1.526	ug/l #	19
51) 4-Methyl-2-Pentanone	10.06	43	1331	0.609	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	50009	28.840	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50009	73.238	ug/l #	8

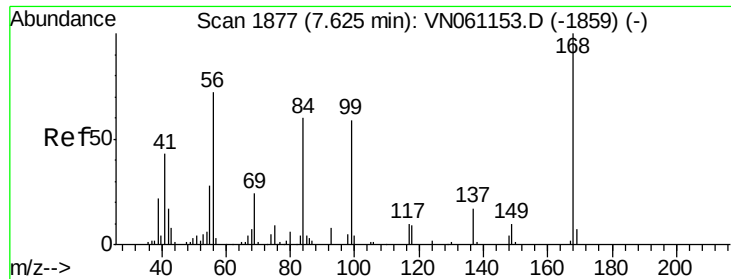
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061163.D

Acq: 28 Apr 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

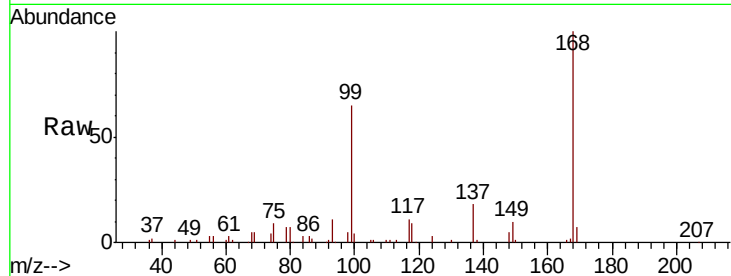
BP-VPB180-GW-558-560

Tot Ion:168 Resp: 106459

Ion Ratio Lower Upper

168 100

99 64.9 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

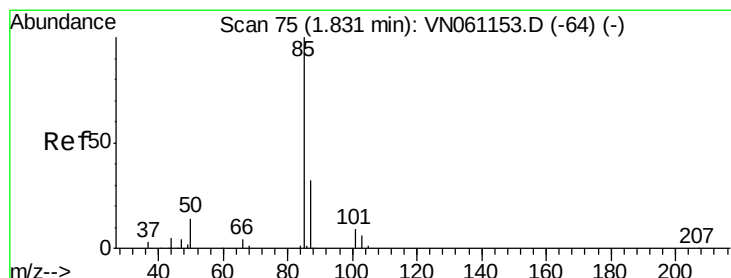
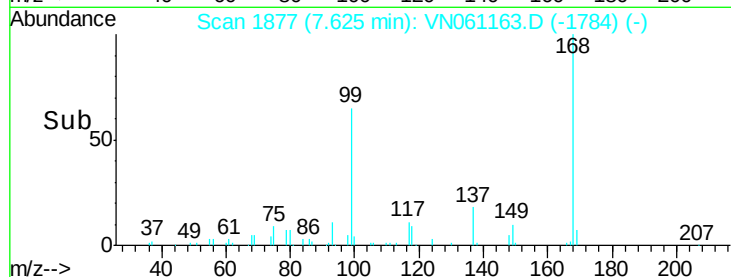
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.781 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061163.D

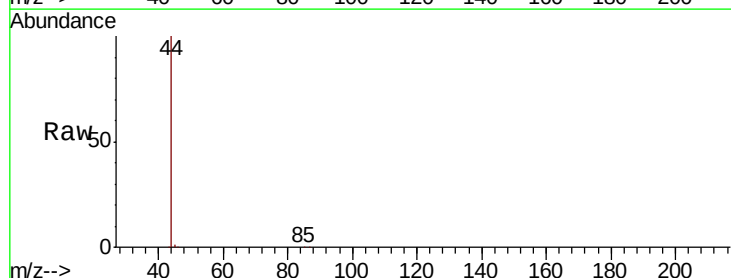
Acq: 28 Apr 2020 14:54

Tgt Ion: 85 Resp: 882

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

800

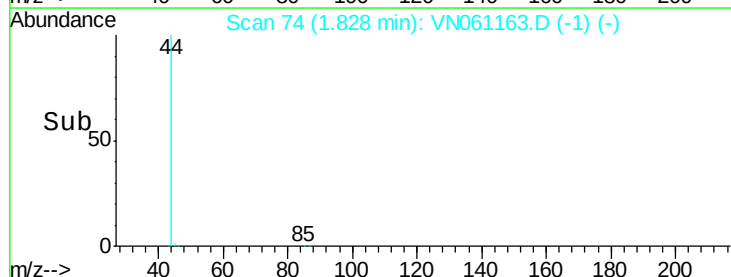
600

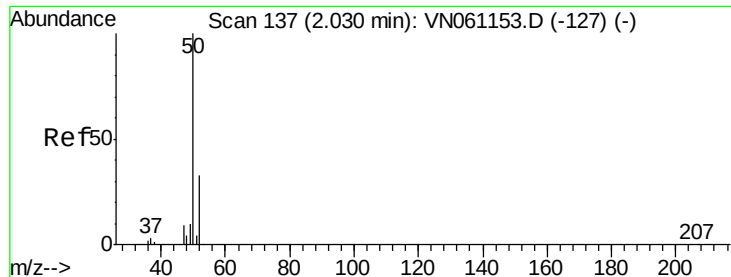
400

200

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 0.350 ug/l

RT: 2.03 min Scan# 138

Delta R.T. 0.00 min

Lab File: VN061163.D

Acq: 28 Apr 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

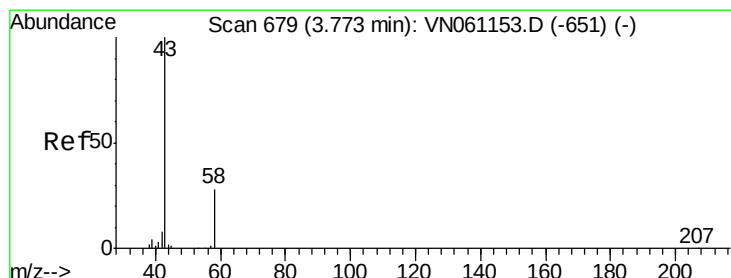
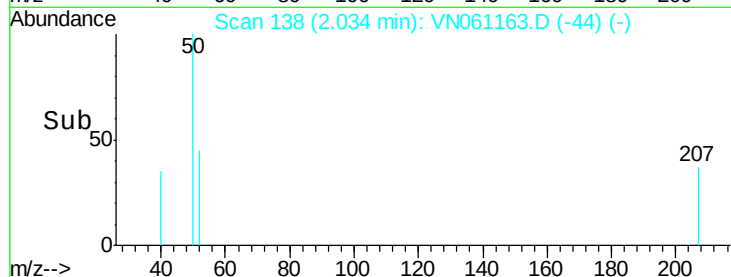
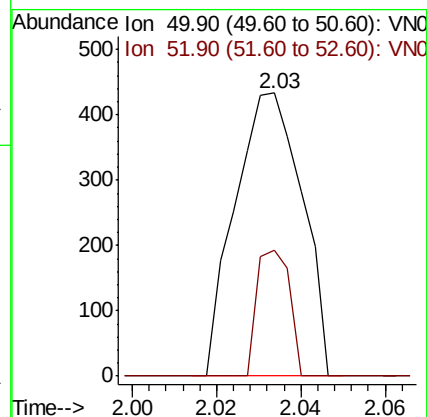
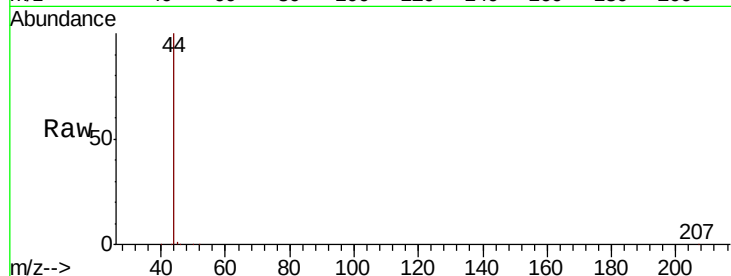
BP-VPB180-GW-558-560

Tot Ion: 50 Resp: 479

Ion Ratio Lower Upper

50 100

52 44.6 26.0 39.0#



#16

Acetone

Concen: 4.497 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061163.D

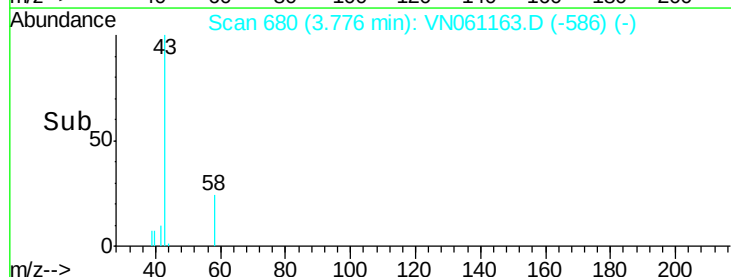
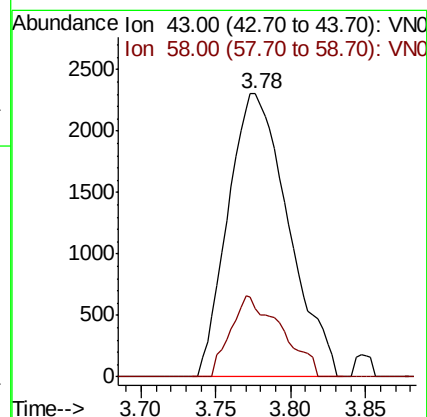
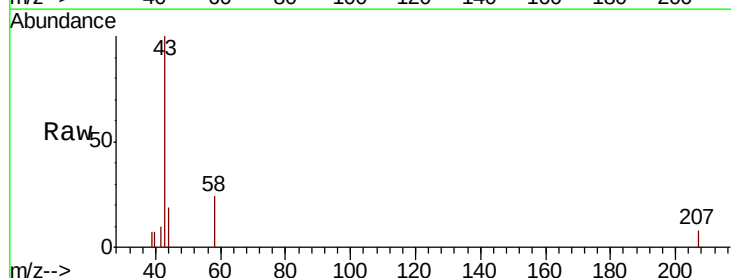
Acq: 28 Apr 2020 14:54

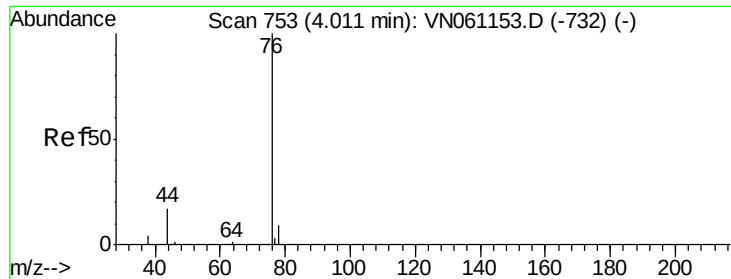
Tgt Ion: 43 Resp: 6464

Ion Ratio Lower Upper

43 100

58 24.2 22.2 33.2





#17

Carbon Disulfide

Concen: 0.344 ug/l

RT: 4.01 min Scan# 754

Delta R.T. 0.00 min

Lab File: VN061163.D

Acq: 28 Apr 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

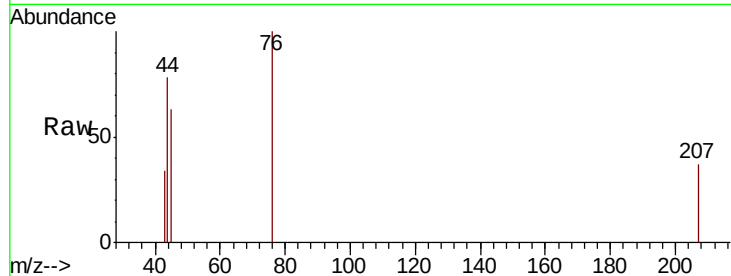
BP-VPB180-GW-558-560

Tot Ion: 76 Resp: 1066

Ion Ratio Lower Upper

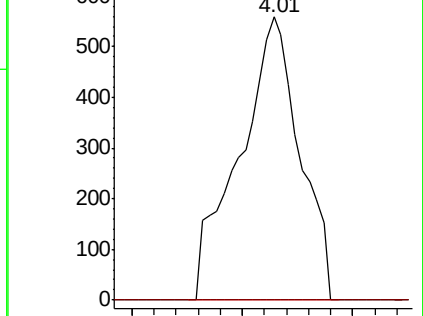
76 100

78 0.0 7.2 10.8#

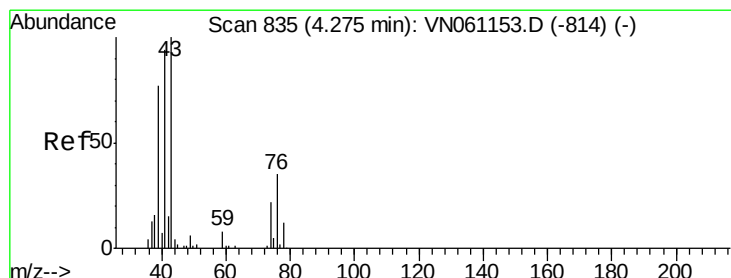
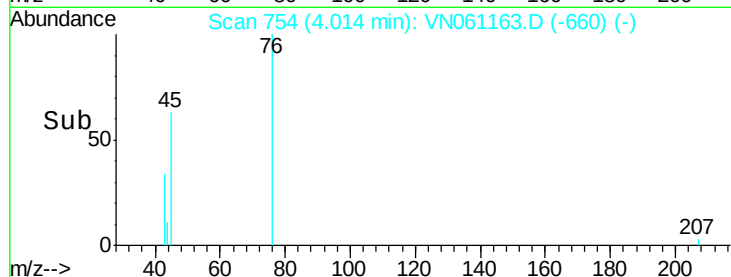


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#18

Methyl Acetate

Concen: 0.792 ug/l

RT: 4.28 min Scan# 837

Delta R.T. 0.01 min

Lab File: VN061163.D

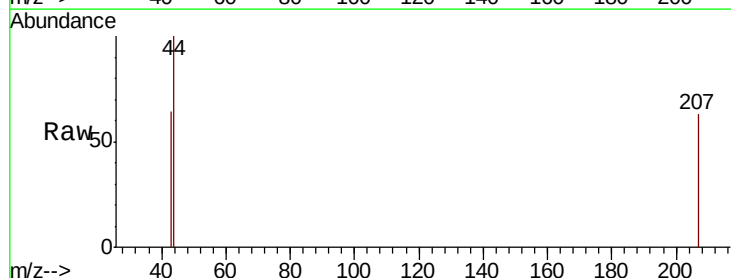
Acq: 28 Apr 2020 14:54

Tgt Ion: 43 Resp: 244

Ion Ratio Lower Upper

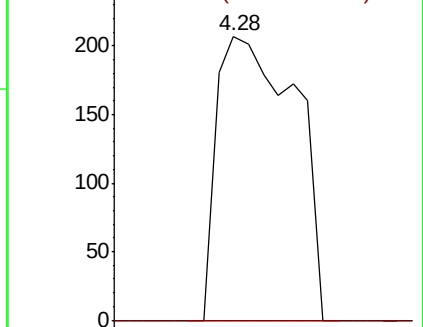
43 100

74 0.0 17.0 25.4#

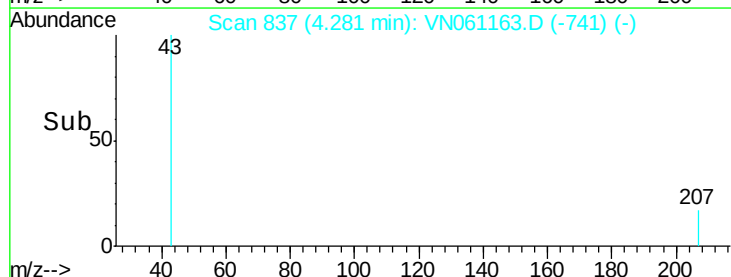


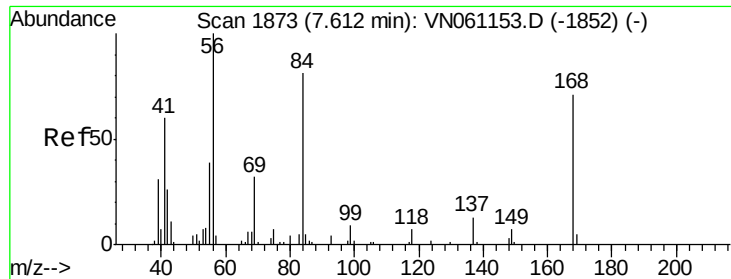
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



Time-->

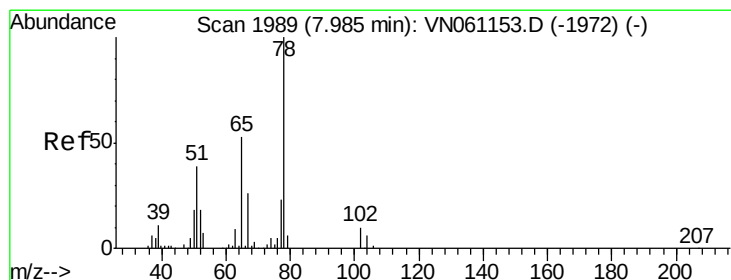
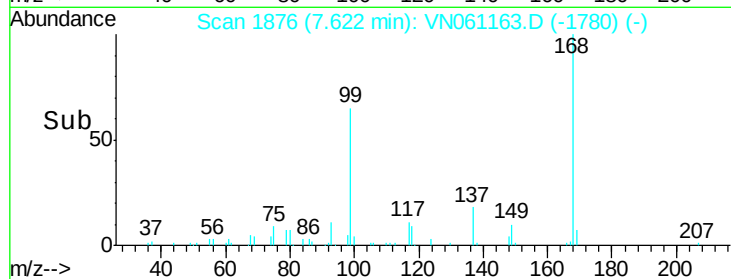
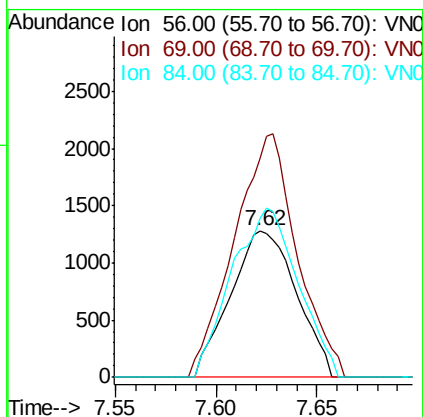
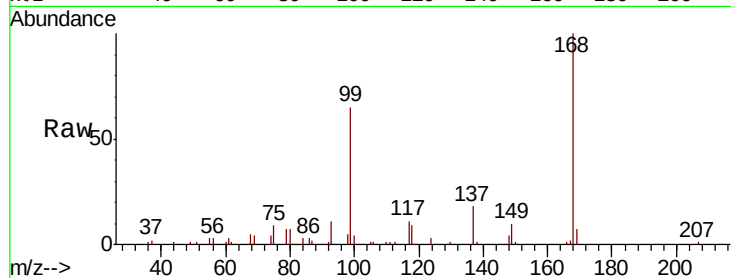




#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061163.D
Acq: 28 Apr 2020 14:54

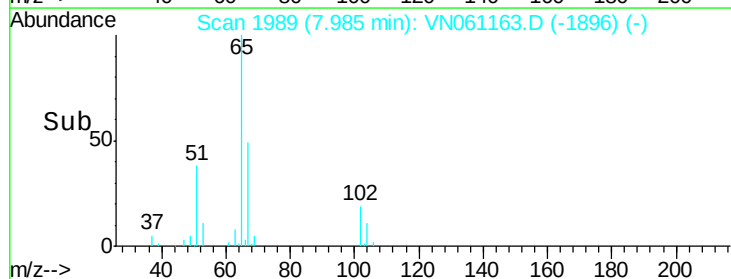
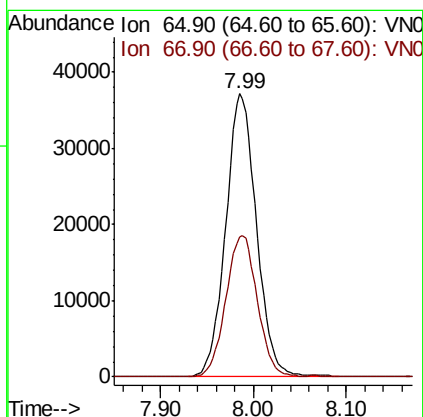
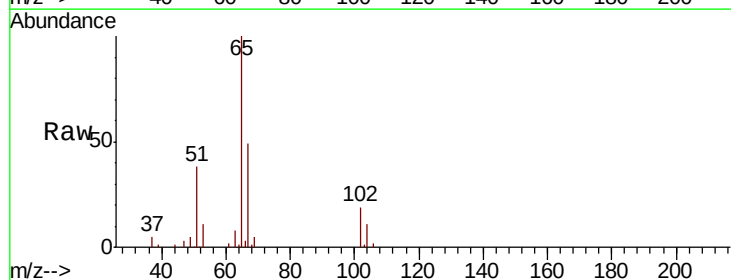
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-558-560

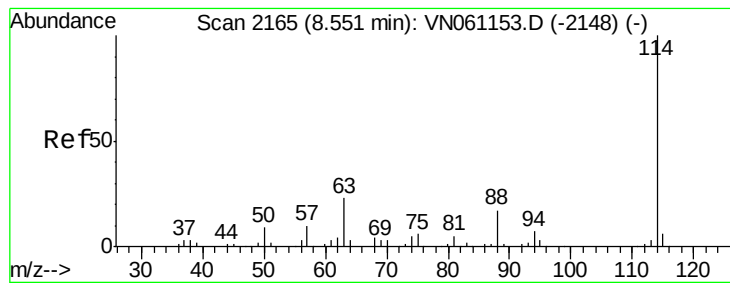
Tot Ion: 56 Resp: 2915
Ion Ratio Lower Upper
56 100
69 149.7 25.7 38.5#
84 108.8 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 50.767 ug/l
RT: 7.99 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN061163.D
Acq: 28 Apr 2020 14:54

Tgt Ion: 65 Resp: 85518
Ion Ratio Lower Upper
65 100
67 51.0 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: VN061163.D

Acq: 28 Apr 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-558-560

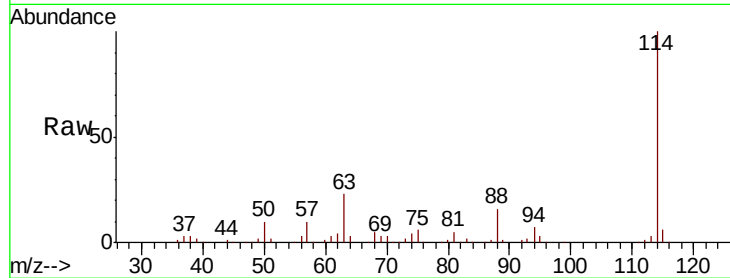
Tot Ion:114 Resp: 190547

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.6

88 16.2 0.0 33.4



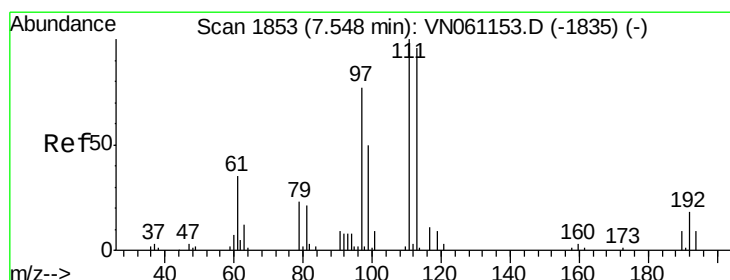
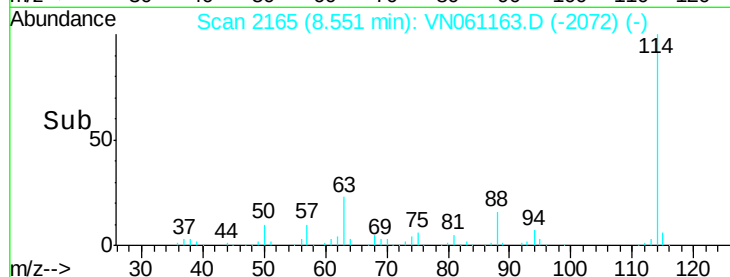
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN

8.55

Time-->



#35

Dibromofluoromethane

Concen: 51.025 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061163.D

Acq: 28 Apr 2020 14:54

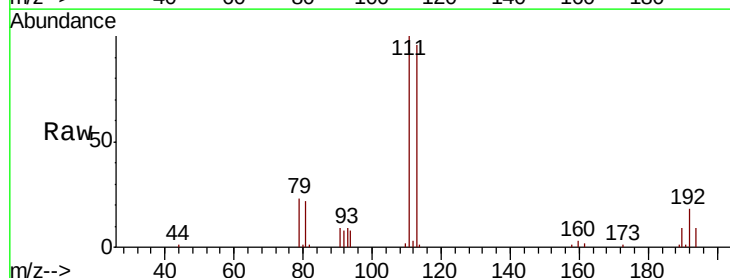
Tgt Ion:113 Resp: 57492

Ion Ratio Lower Upper

113 100

111 104.1 82.9 124.3

192 18.6 14.7 22.1



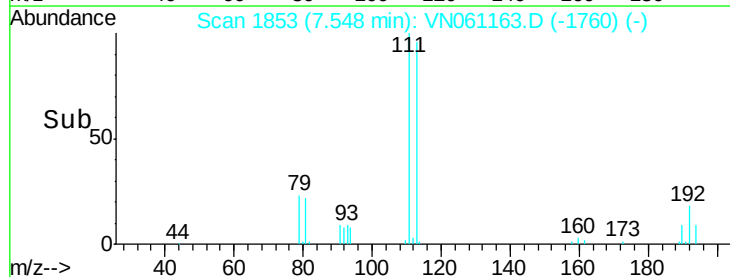
Abundance Ion 112.80 (112.50 to 113.50): V

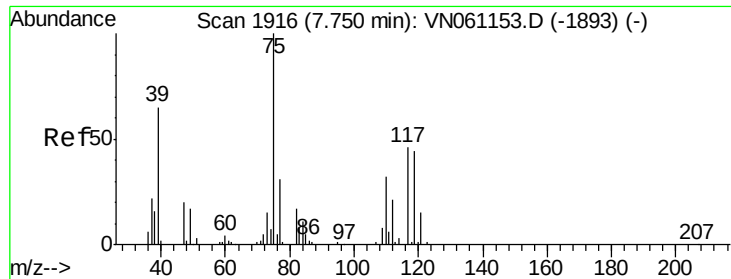
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.55

Time-->

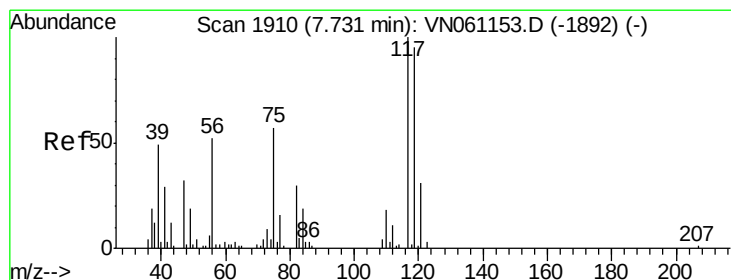
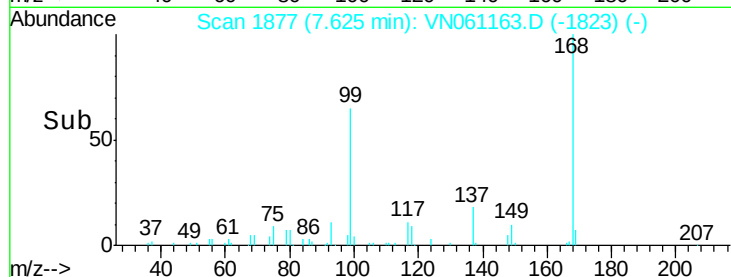
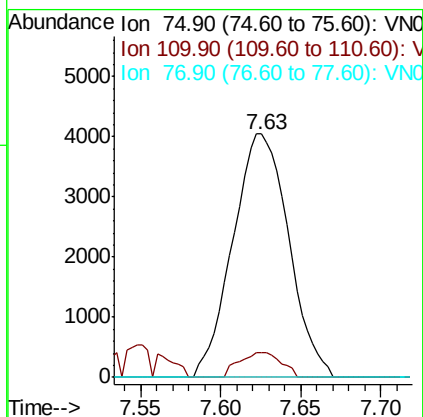
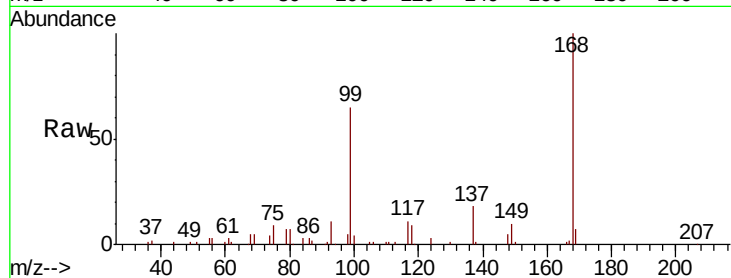




#36
 1,1-Dichloropropene
 Concen: 5.080 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061163.D
 Acq: 28 Apr 2020 14:54

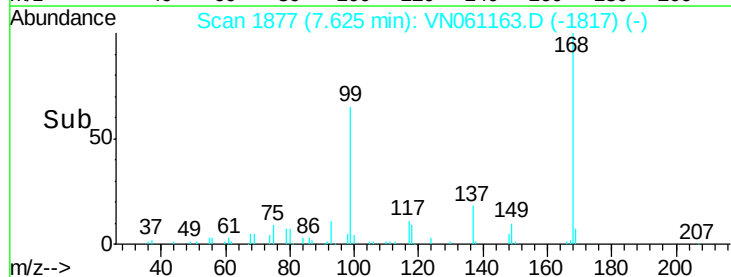
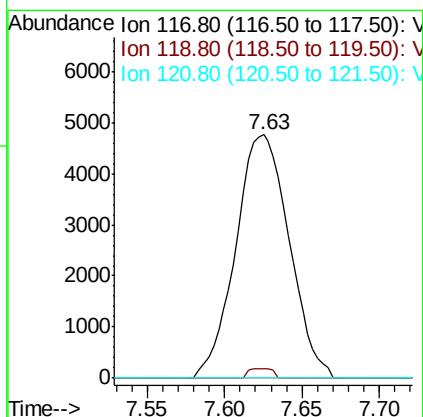
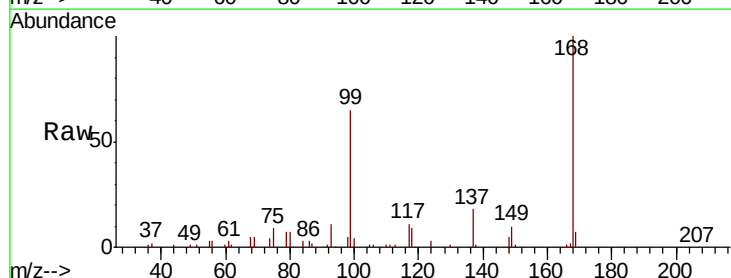
Instrument :
 MSVOA_N
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 BP-VPB180-GW-558-560

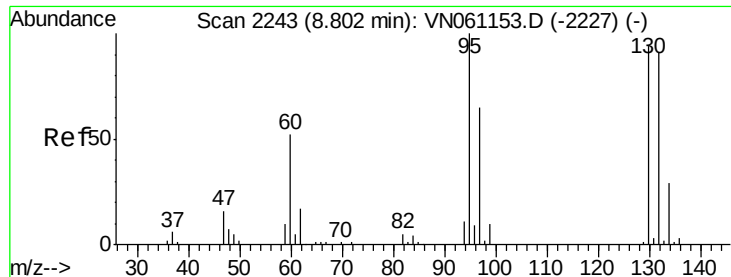
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.0	48.0#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 7.498 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.11 min
 Lab File: VN061163.D
 Acq: 28 Apr 2020 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.8	113.6#
121	0.0	24.7	37.1#





#44

Trichloroethene

Concen: 2.151 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061163.D

Acq: 28 Apr 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

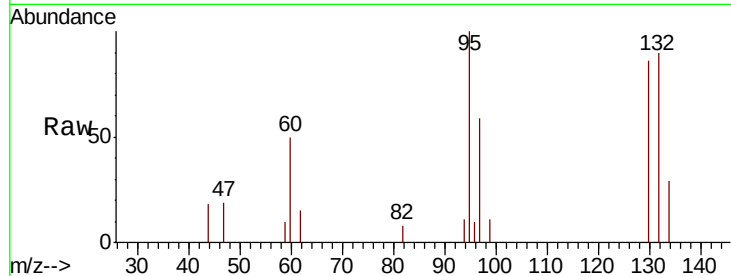
BP-VPB180-GW-558-560

Tot Ion:130 Resp: 3304

Ion Ratio Lower Upper

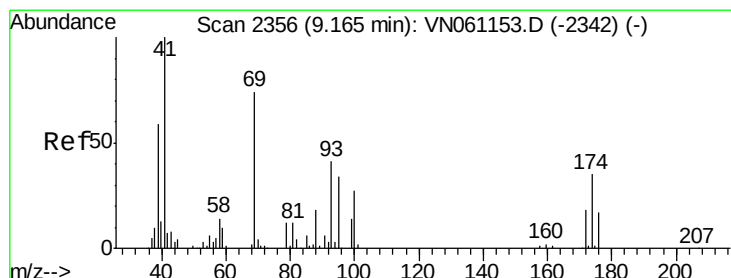
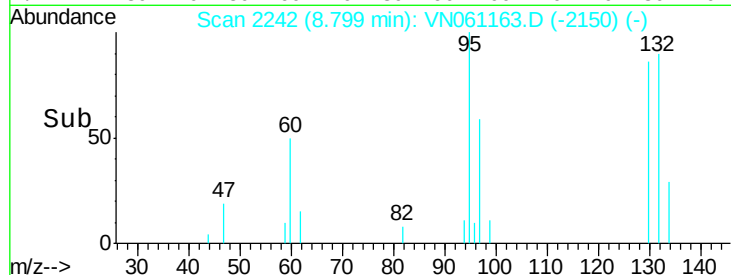
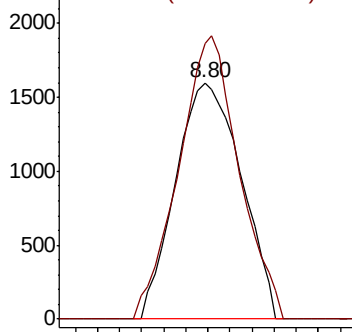
130 100

95 116.5 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#49

1,4-Dioxane

Concen: 1.526 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061163.D

Acq: 28 Apr 2020 14:54

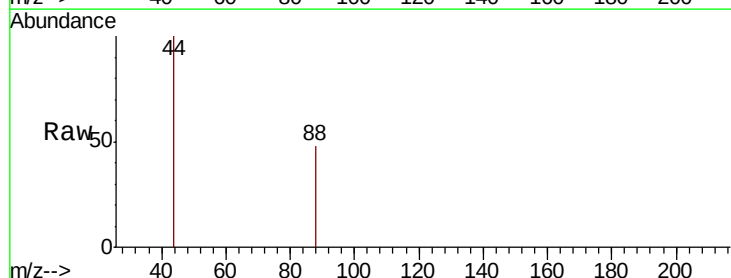
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 0.0 35.3 52.9#

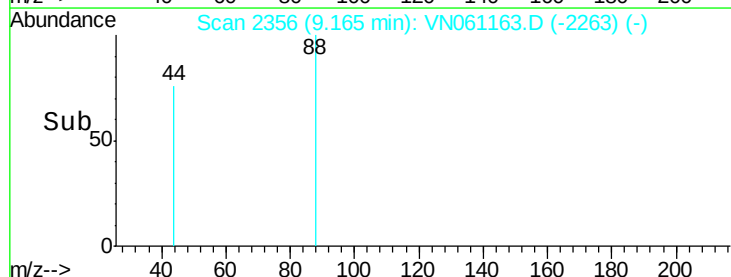
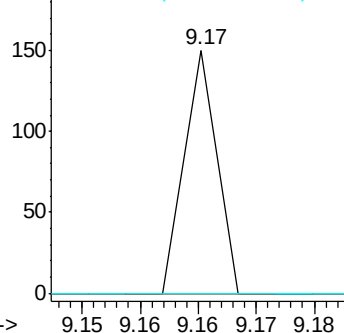
58 0.0 61.5 92.3#

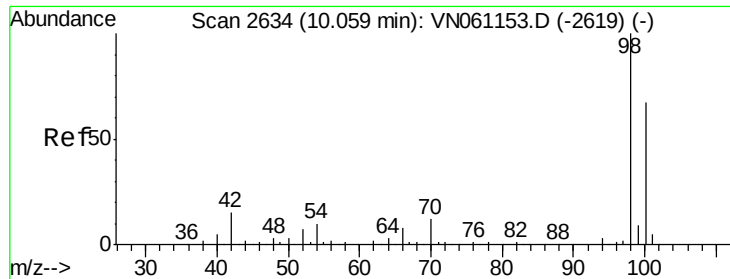


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 51.271 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061163.D

Acq: 28 Apr 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

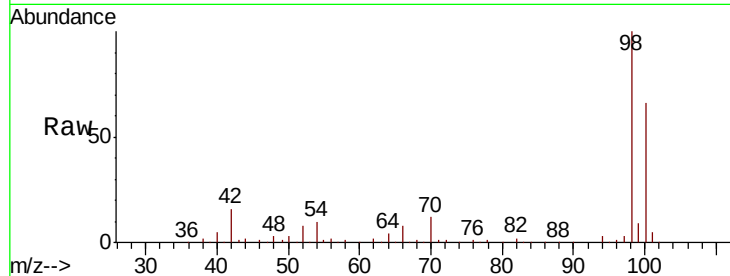
BP-VPB180-GW-558-560

Tot Ion: 98 Resp: 235501

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

150000

100000

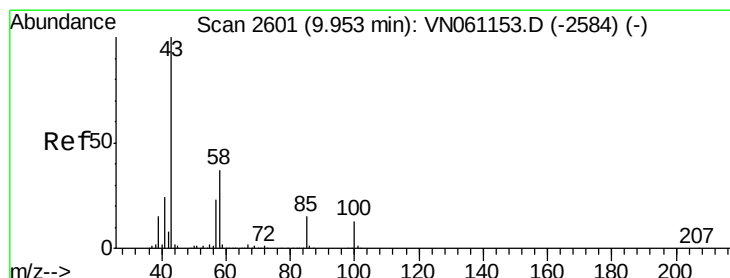
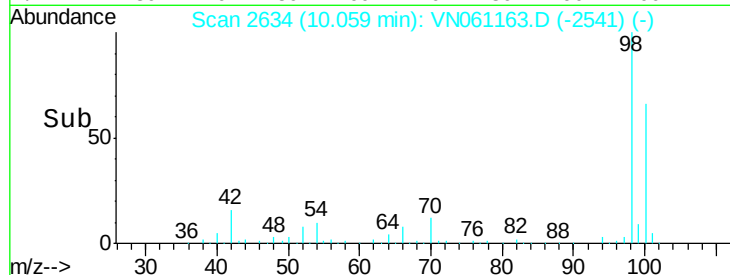
50000

0

10.06

10.10

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.609 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.11 min

Lab File: VN061163.D

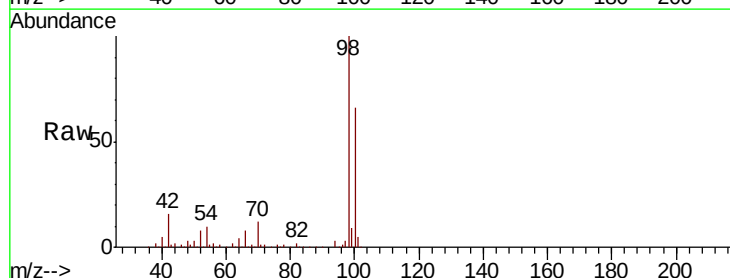
Acq: 28 Apr 2020 14:54

Tgt Ion: 43 Resp: 1331

Ion Ratio Lower Upper

43 100

58 164.5 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1000

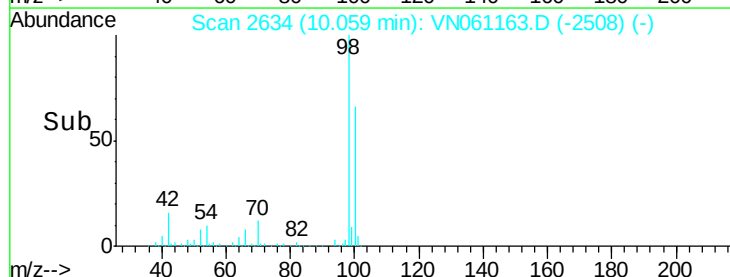
500

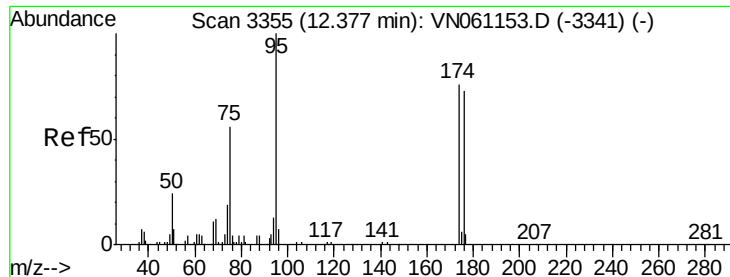
0

10.06

10.10

Time-->





#62

4-Bromofluorobenzene

Concen: 51.880 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061163.D

Acq: 28 Apr 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-558-560

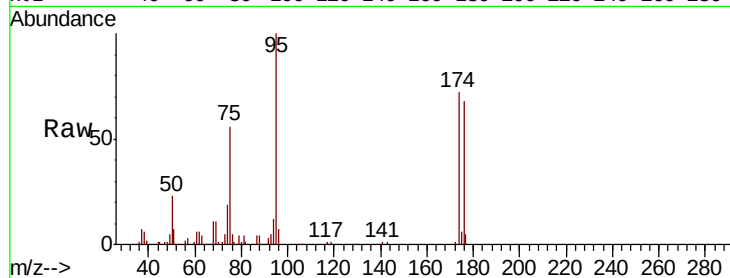
Tot Ion: 95 Resp: 89674

Ion Ratio Lower Upper

95 100

174 72.7 0.0 149.4

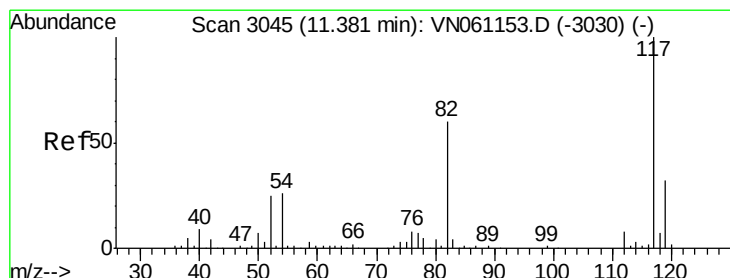
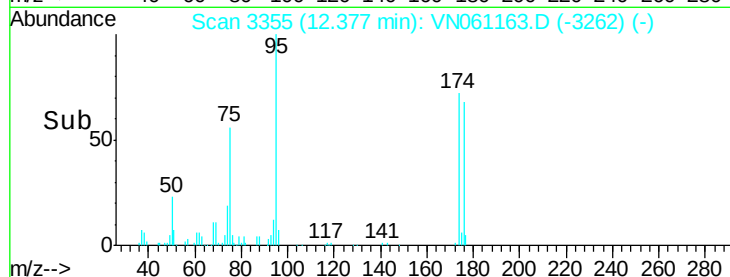
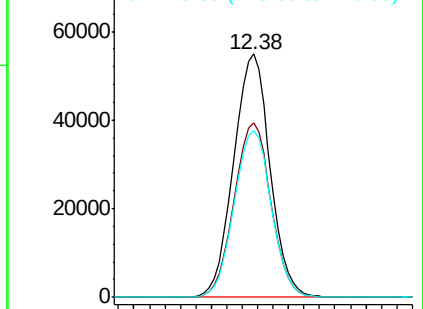
176 70.1 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061163.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061163.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061163.D (-3262) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061163.D

Acq: 28 Apr 2020 14:54

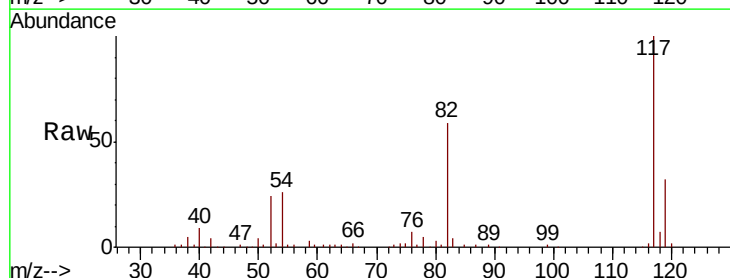
Tgt Ion: 117 Resp: 183588

Ion Ratio Lower Upper

117 100

82 58.7 47.8 71.8

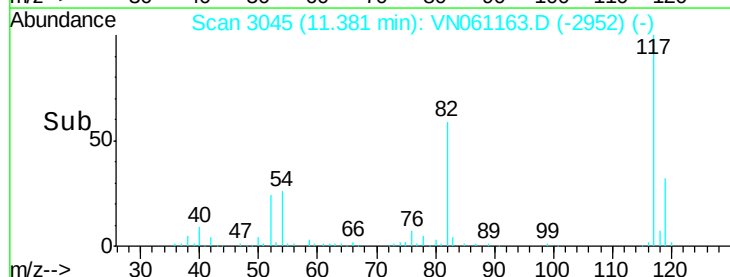
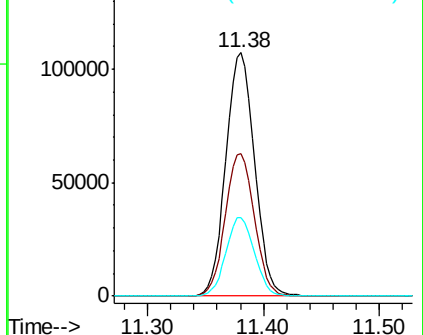
119 32.4 25.8 38.6

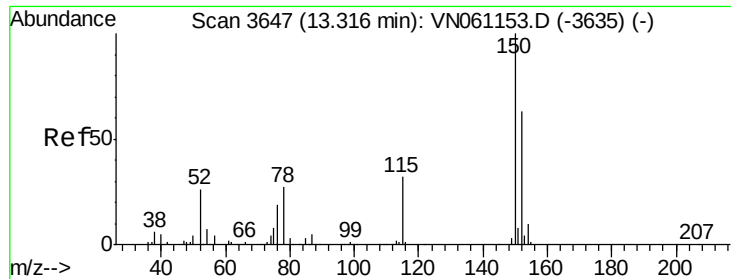


Abundance Ion 116.90 (116.60 to 117.60): VN061163.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061163.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061163.D (-2952) (-)

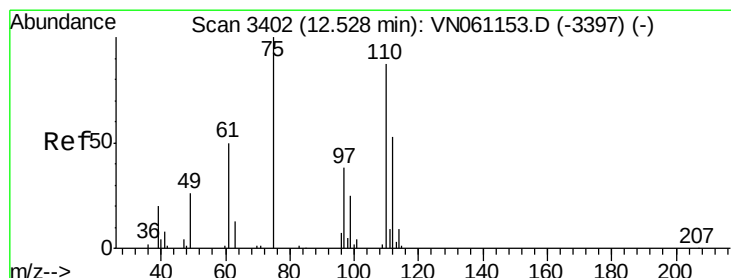
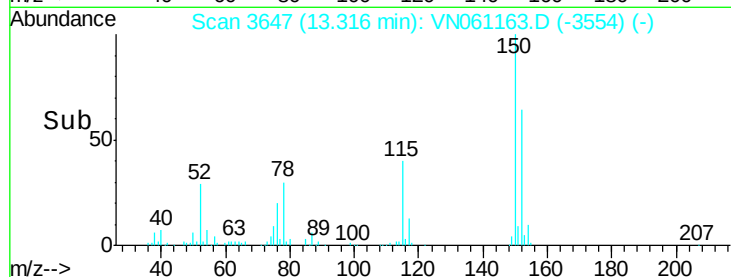
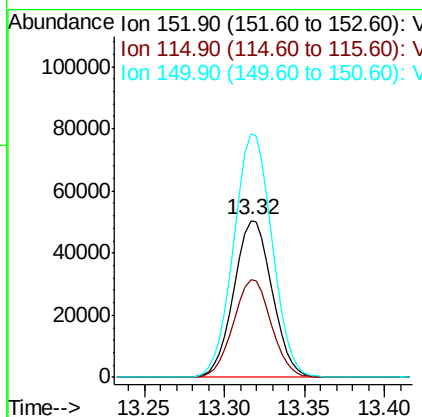
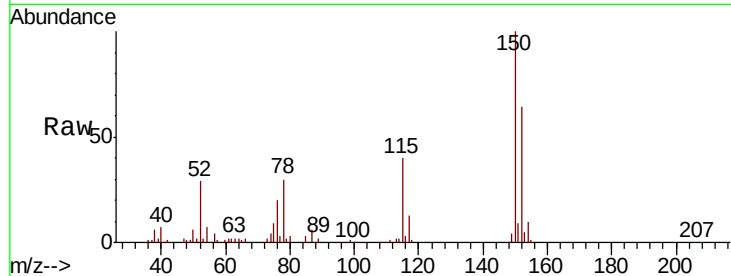




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3647
 Delta R.T. 0.00 min
 Lab File: VN061163.D
 Acq: 28 Apr 2020 14:54

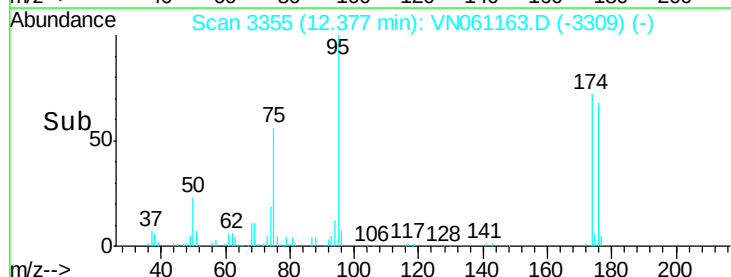
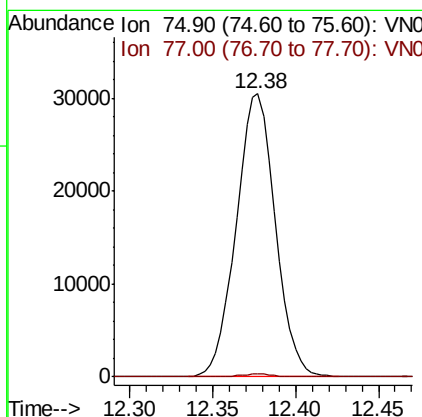
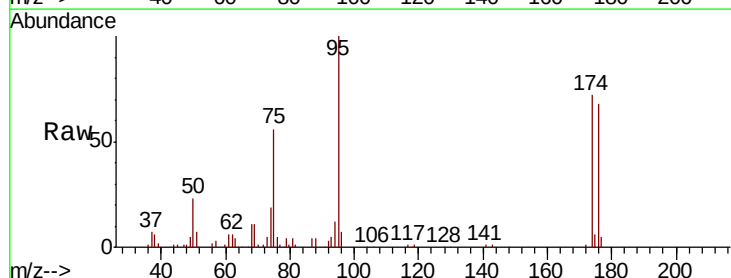
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-558-560

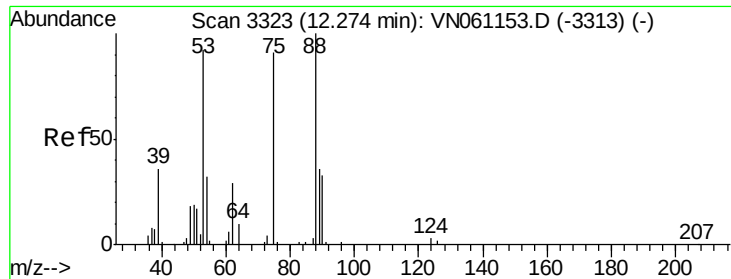
Tot Ion:152 Resp: 82249
 Ion Ratio Lower Upper
 152 100
 115 61.7 31.0 93.0
 150 156.2 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 28.840 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. -0.15 min
 Lab File: VN061163.D
 Acq: 28 Apr 2020 14:54

Tgt Ion: 75 Resp: 50009
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 73.238 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061163.D

Acq: 28 Apr 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-558-560

Tot Ion: 75 Resp: 50009

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#

