

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
 Data File : VN061161.D
 Acq On : 28 Apr 2020 14:08
 Operator : JC/MD
 Sample : L2386-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-TB-20200417

Quant Time: Apr 28 14:56:00 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	108600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	192904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	183628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80006	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	85356	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	7.55	113	58982	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
50) Toluene-d8	10.06	98	237414	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.37	95	90883	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	

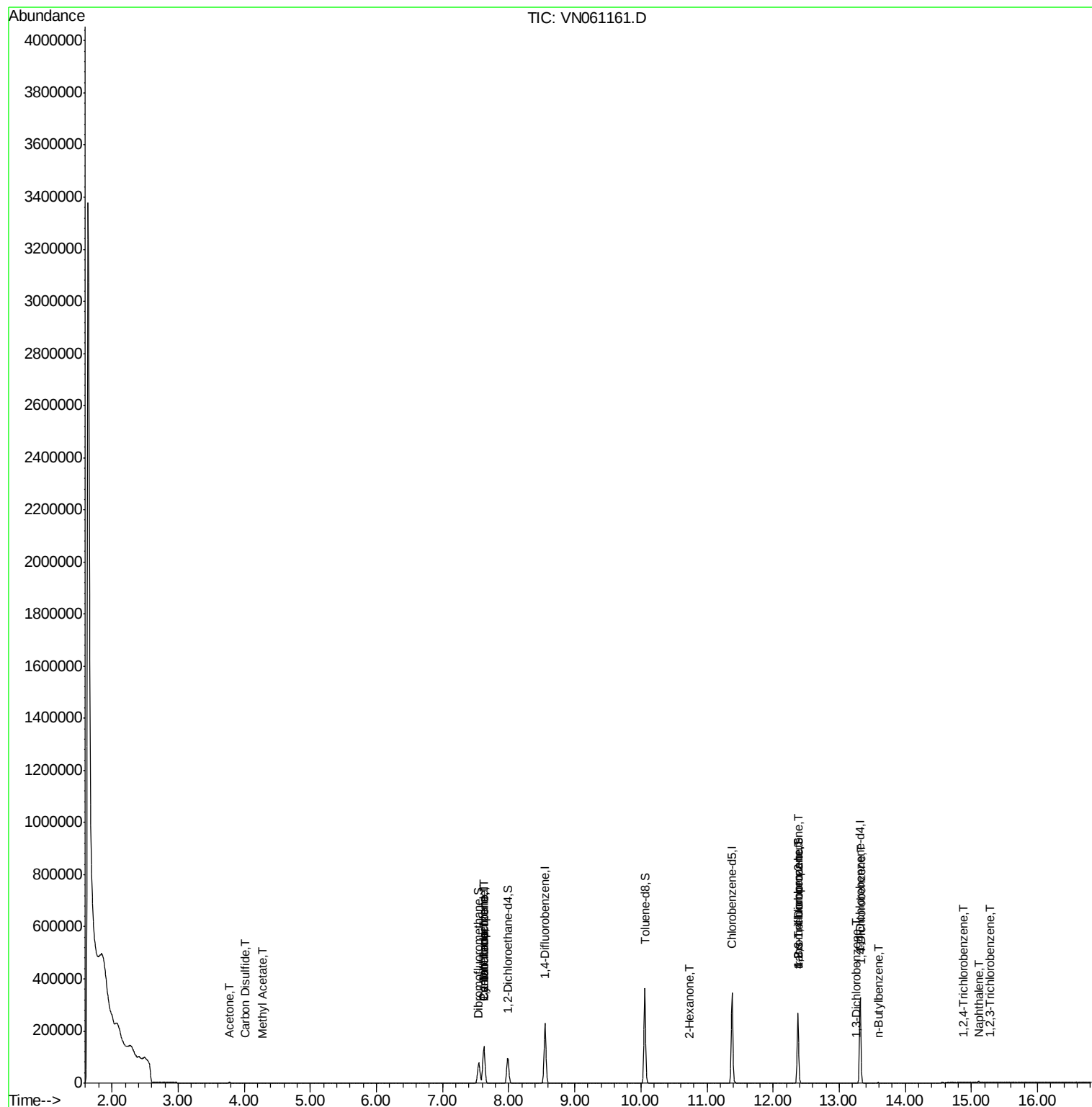
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	4571	1.384	ug/l	98
17) Carbon Disulfide	4.01	76	755	0.239	ug/l #	75
18) Methyl Acetate	4.28	43	89	0.720	ug/l #	55
31) Cyclohexane	7.63	56	2902	1.161	ug/l #	3
36) 1,1-Dichloropropene	7.63	75	9874	5.113	ug/l #	50
38) Carbon Tetrachloride	7.63	117	11829	7.660	ug/l #	16
59) 2-Hexanone	10.73	43	520	0.323	ug/l #	35
76) 1,2,3-Trichloropropane	12.37	75	50074	29.687	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	50074	75.389	ug/l #	8
87) 1,3-Dichlorobenzene	13.26	146	506	0.202	ug/l #	74
88) 1,4-Dichlorobenzene	13.33	146	691	0.271	ug/l #	71
89) n-Butylbenzene	13.59	91	1084	0.235	ug/l #	78
93) 1,2,4-Trichlorobenzene	14.89	180	799	0.547	ug/l	86
95) Naphthalene	15.11	128	2830	0.595	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.28	180	855	0.593	ug/l #	88

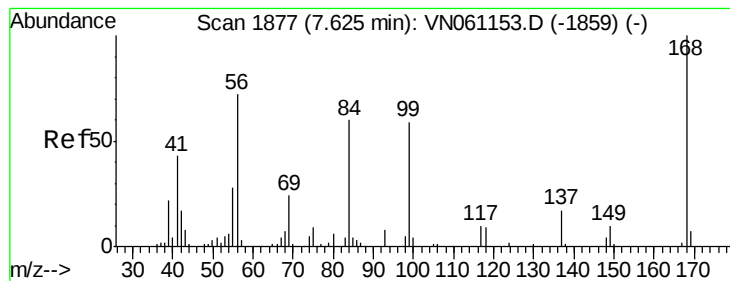
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061161.D

Acq: 28 Apr 2020 14:08

Instrument :

MSVOA_N

ClientSampleId :

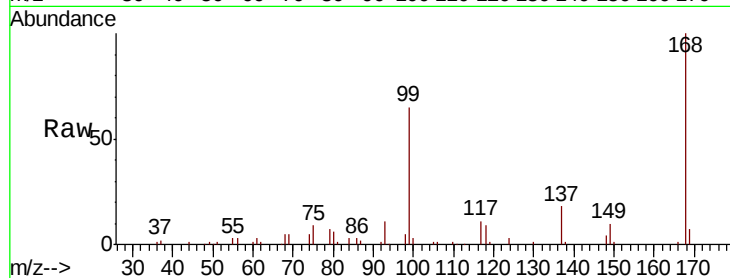
BP-VPB180-TB-20200417

Tot Ion:168 Resp: 108600

Ion Ratio Lower Upper

168 100

99 64.8 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

50000

40000

30000

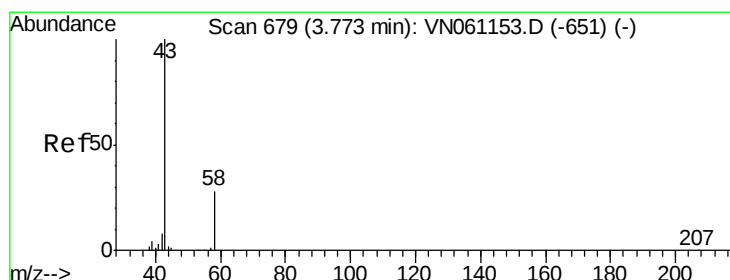
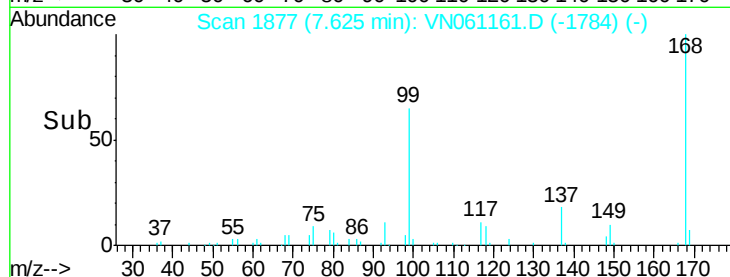
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 1.384 ug/l

RT: 3.78 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN061161.D

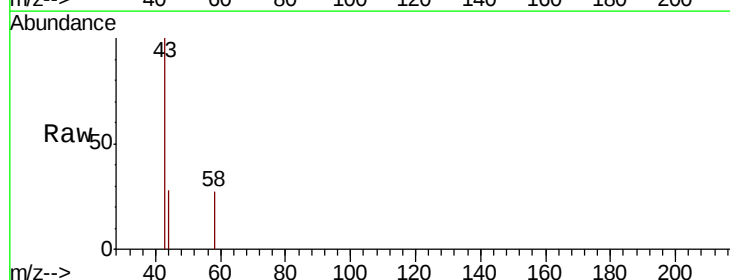
Acq: 28 Apr 2020 14:08

Tgt Ion: 43 Resp: 4571

Ion Ratio Lower Upper

43 100

58 26.8 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

1500

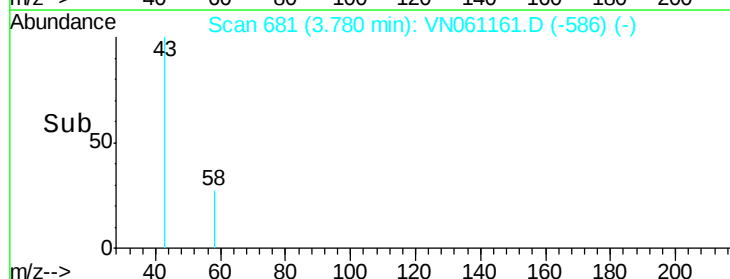
1000

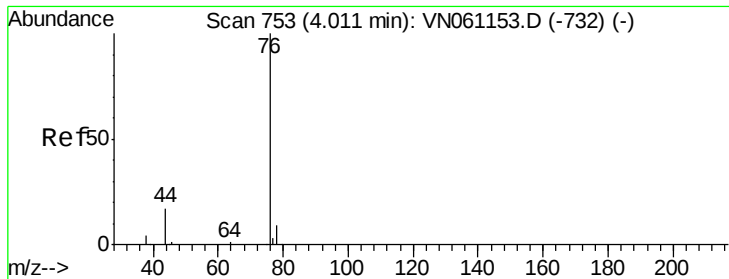
500

0

3.70 3.75 3.80 3.85

Time-->





#17

Carbon Disulfide

Concen: 0.239 ug/l

RT: 4.01 min Scan# 754

Delta R.T. 0.00 min

Lab File: VN061161.D

Acq: 28 Apr 2020 14:08

Instrument :

MSVOA_N

ClientSampleId :

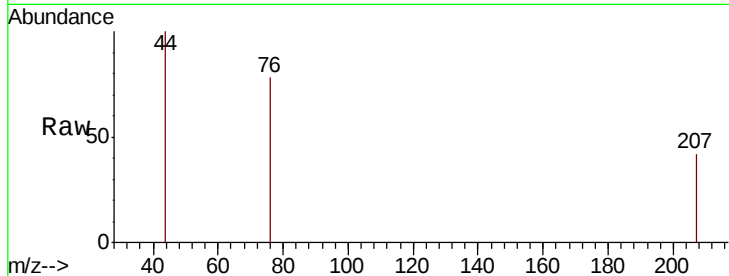
BP-VPB180-TB-20200417

Tot Ion: 76 Resp: 755

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

4.01

300

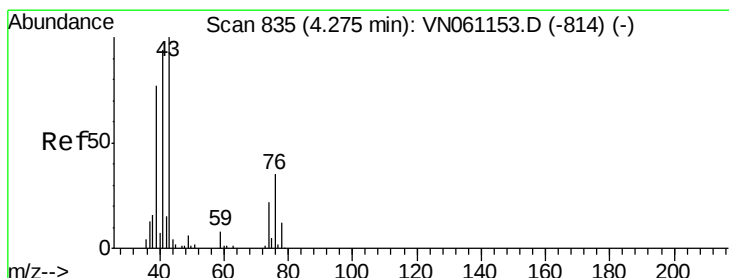
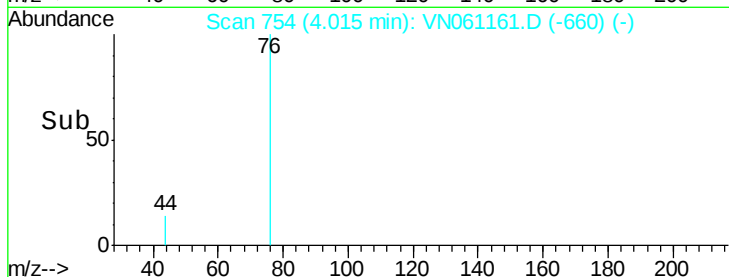
200

100

0

4.00 4.05

Time-->



#18

Methyl Acetate

Concen: 0.720 ug/l

RT: 4.28 min Scan# 836

Delta R.T. 0.00 min

Lab File: VN061161.D

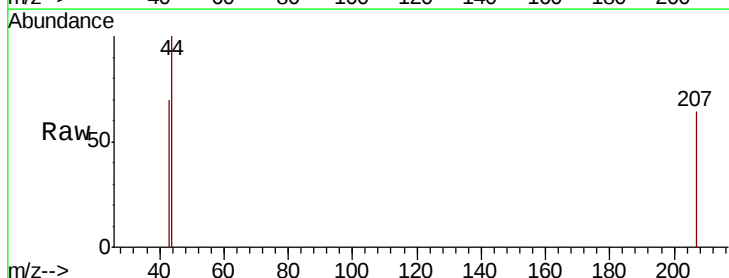
Acq: 28 Apr 2020 14:08

Tgt Ion: 43 Resp: 89

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

4.28

300

250

200

150

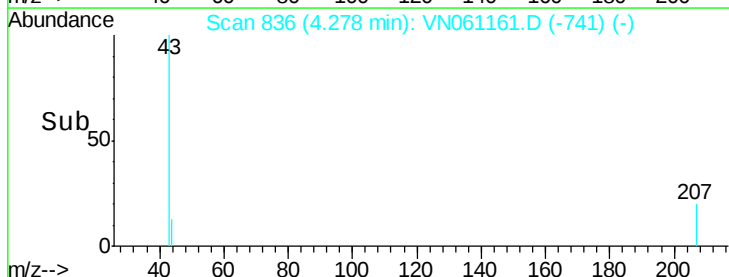
100

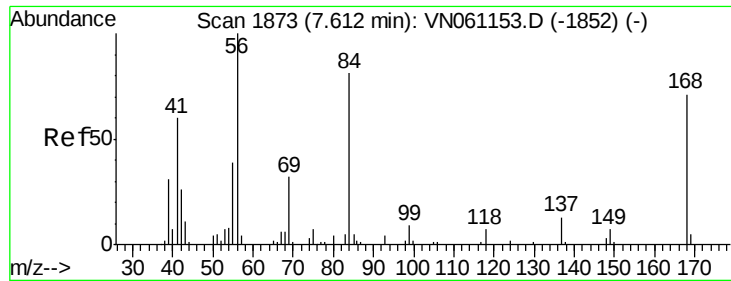
50

0

4.26 4.27 4.28 4.29

Time-->

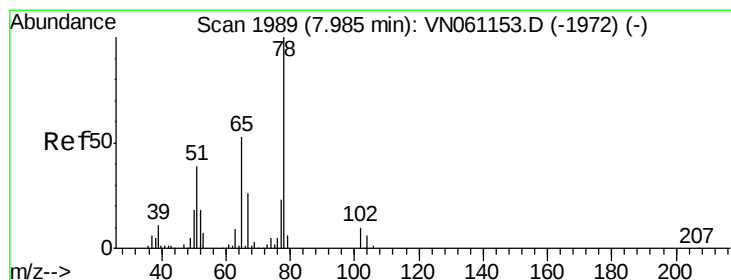
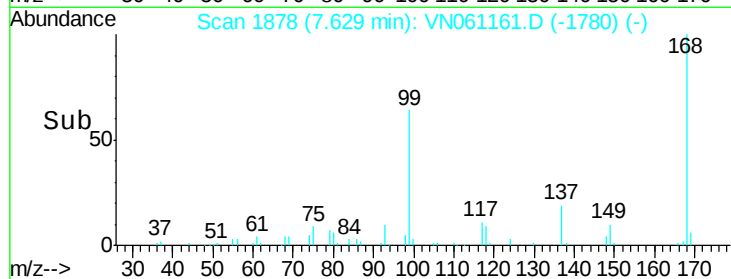
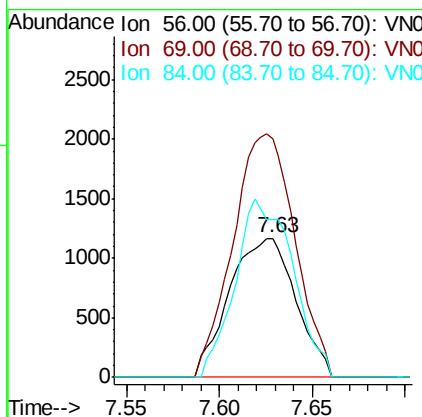
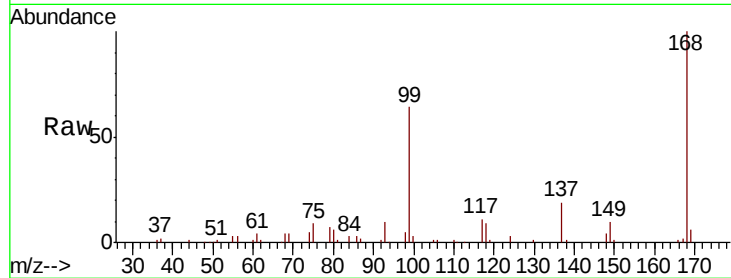




#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.63 min Scan# 1878
Delta R.T. 0.02 min
Lab File: VN061161.D
Acq: 28 Apr 2020 14:08

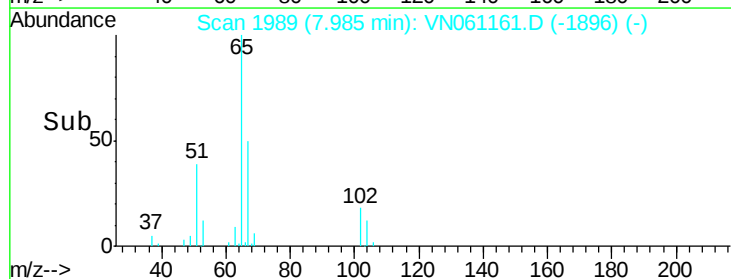
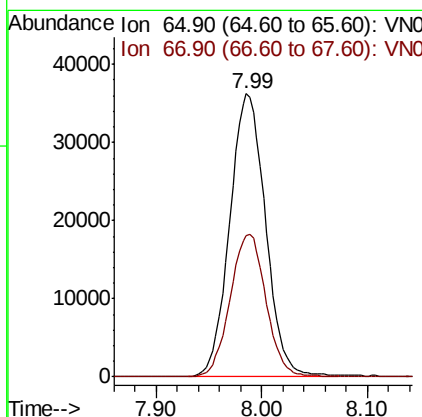
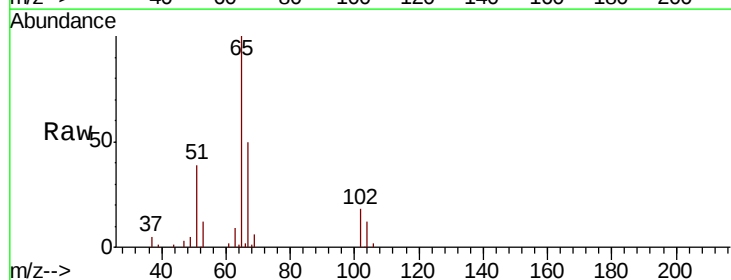
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-TB-20200417

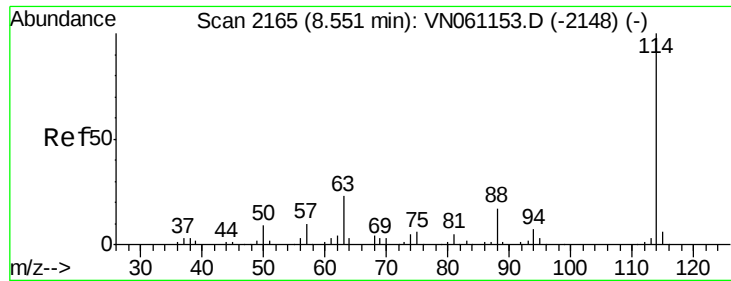
Tot Ion: 56 Resp: 2902
Ion Ratio Lower Upper
56 100
69 171.8 25.7 38.5#
84 113.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 49.672 ug/l
RT: 7.99 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN061161.D
Acq: 28 Apr 2020 14:08

Tgt Ion: 65 Resp: 85356
Ion Ratio Lower Upper
65 100
67 50.3 0.0 101.6

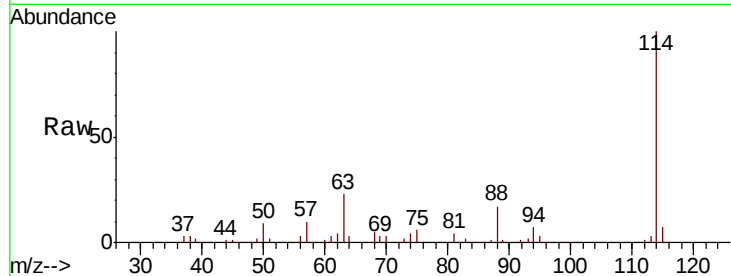




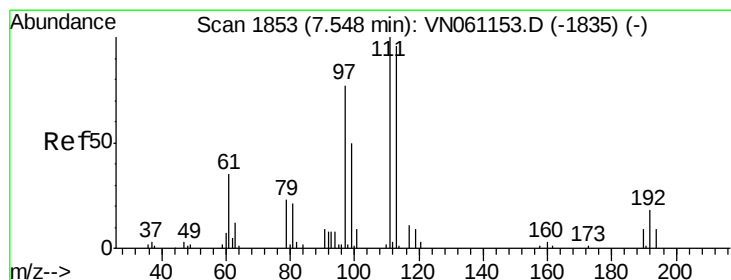
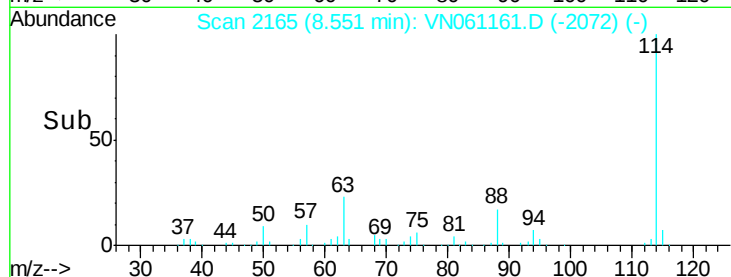
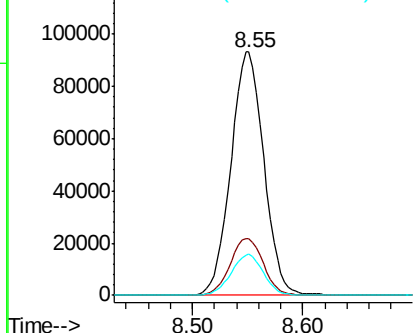
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061161.D
 Acq: 28 Apr 2020 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-TB-20200417

Tot Ion:114 Resp: 192904
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.6
 88 16.8 0.0 33.4

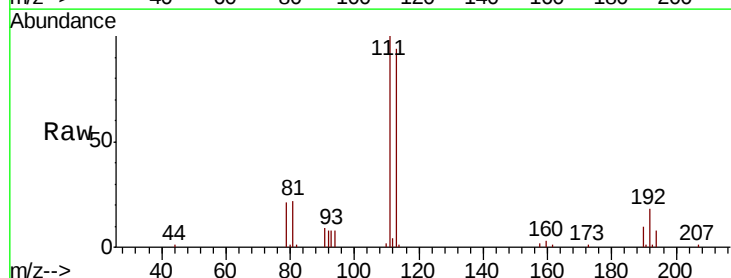


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

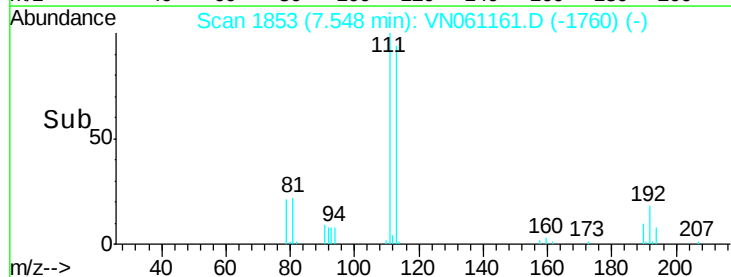
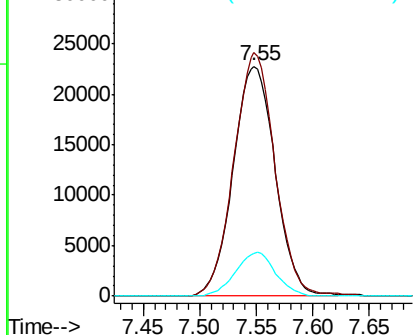


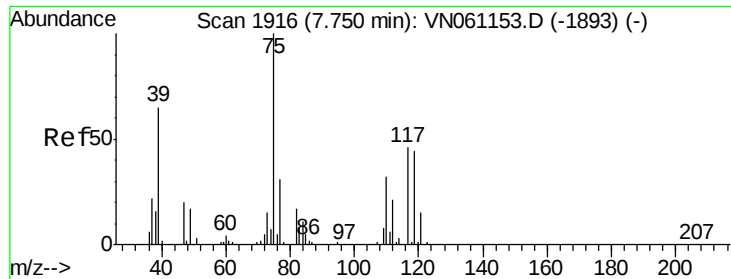
#35
 Dibromofluoromethane
 Concen: 51.707 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061161.D
 Acq: 28 Apr 2020 14:08

Tgt Ion:113 Resp: 58982
 Ion Ratio Lower Upper
 113 100
 111 102.6 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

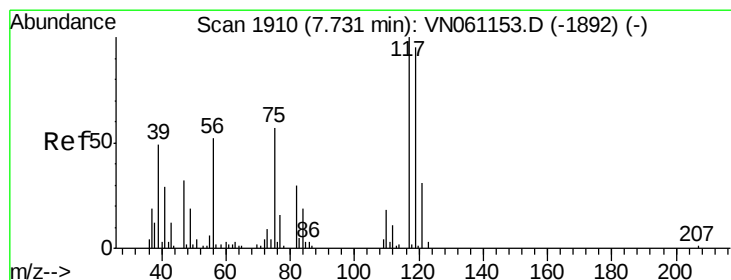
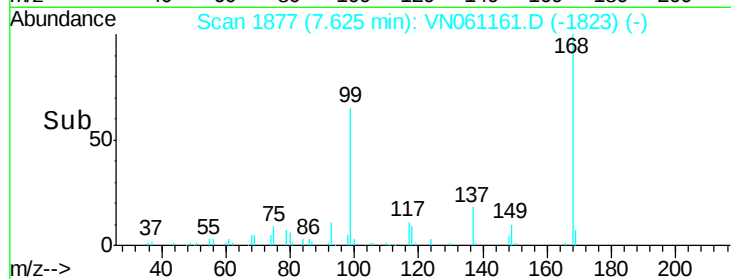
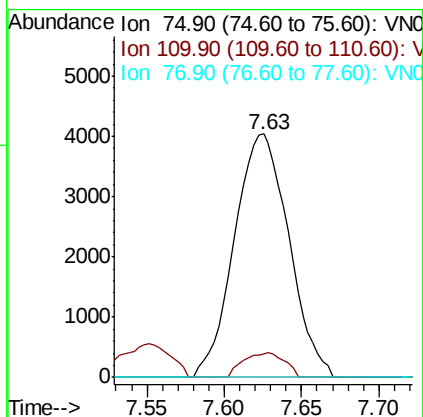
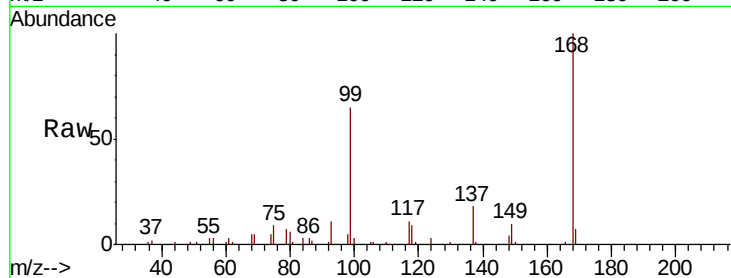




#36
 1,1-Dichloropropene
 Concen: 5.113 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061161.D
 Acq: 28 Apr 2020 14:08

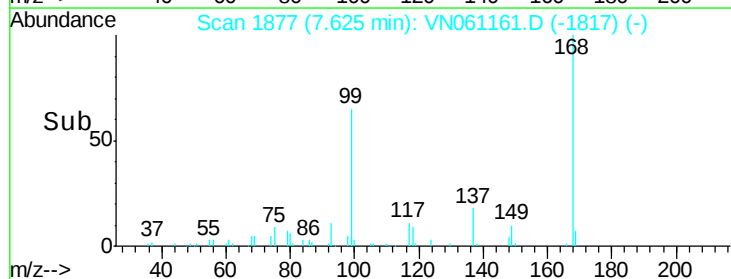
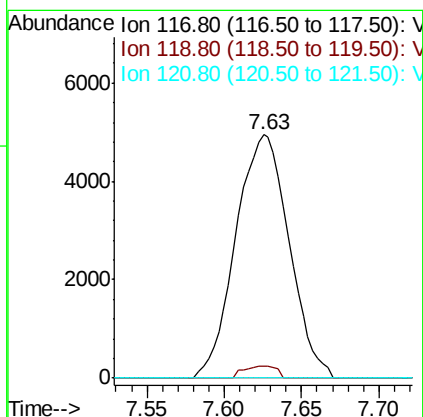
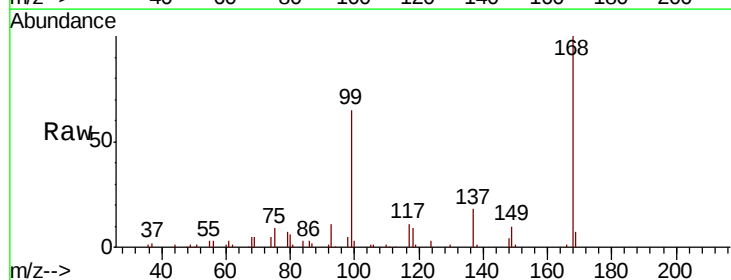
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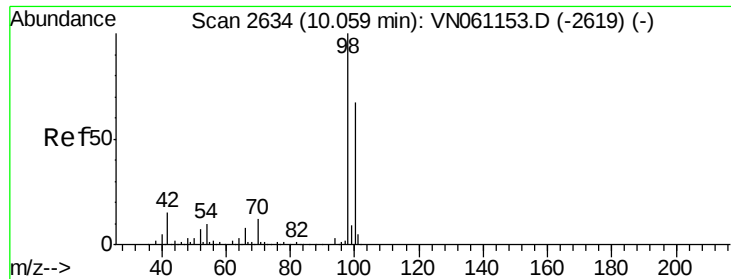
Tot Ion	75	Resp	9874
Ion Ratio	Lower	Upper	
75	100		
110	7.6	16.0	48.0#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 7.660 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.11 min
 Lab File: VN061161.D
 Acq: 28 Apr 2020 14:08

Tgt Ion	117	Resp	11829
Ion Ratio	Lower	Upper	
117	100		
119	4.9	75.8	113.6#
121	0.0	24.7	37.1#

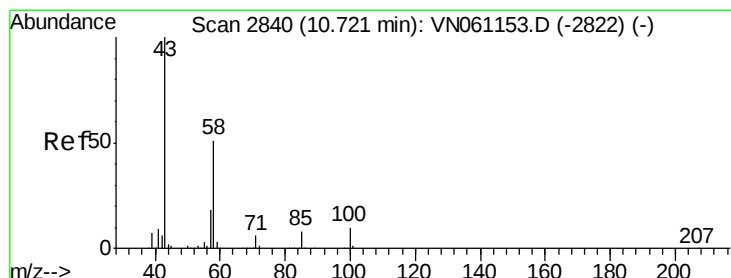
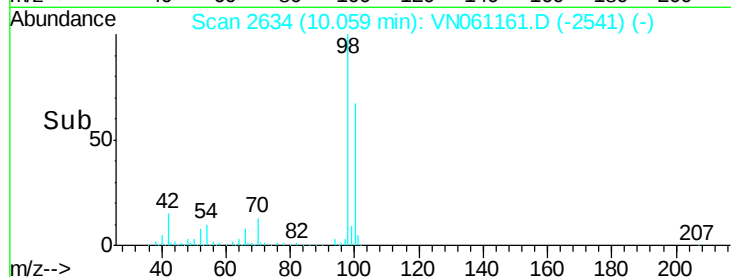
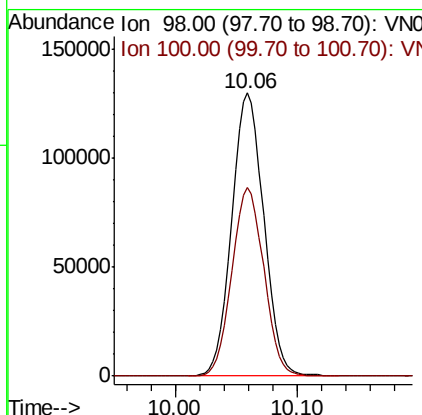
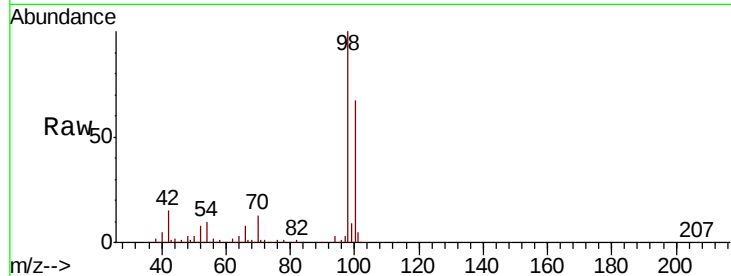




#50
Toluene-d8
Concen: 51.056 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061161.D
Acq: 28 Apr 2020 14:08

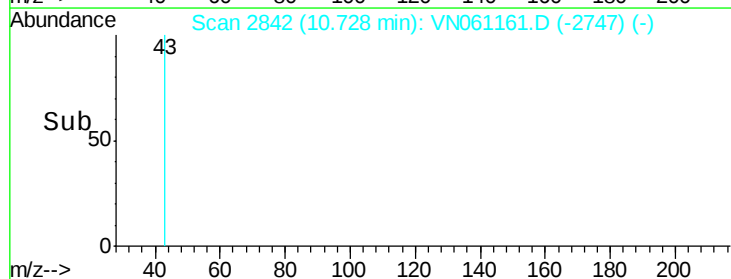
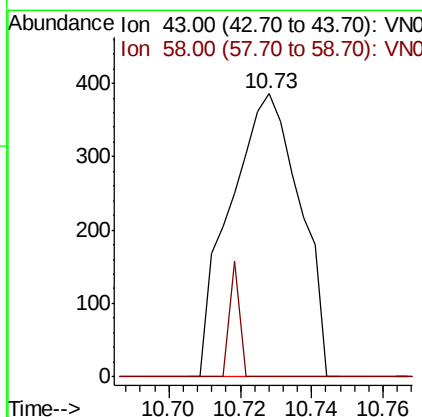
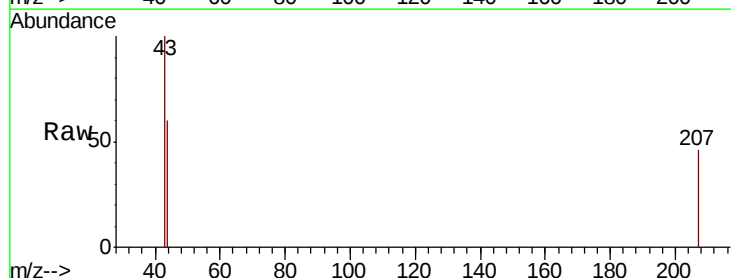
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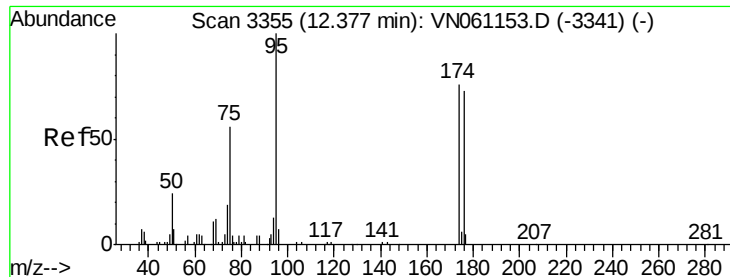
Tot Ion: 98 Resp: 237414
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



#59
2-Hexanone
Concen: 0.323 ug/l
RT: 10.73 min Scan# 2842
Delta R.T. 0.01 min
Lab File: VN061161.D
Acq: 28 Apr 2020 14:08

Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
58 5.8 25.4 76.4#





#62

4-Bromofluorobenzene

Concen: 51.937 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN061161.D

Acq: 28 Apr 2020 14:08

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-TB-20200417

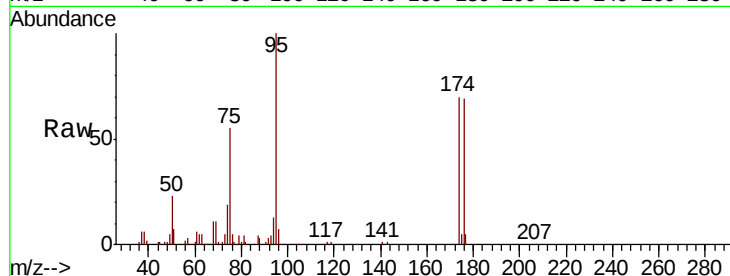
Tot Ion: 95 Resp: 90883

Ion Ratio Lower Upper

95 100

174 70.9 0.0 149.4

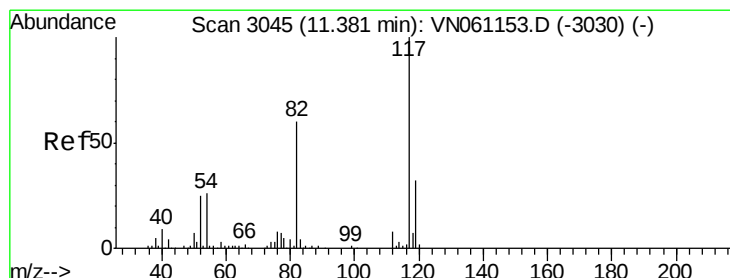
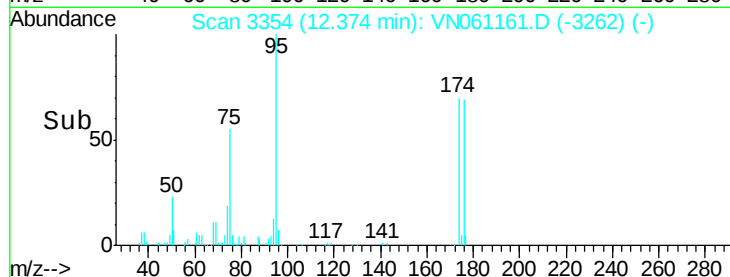
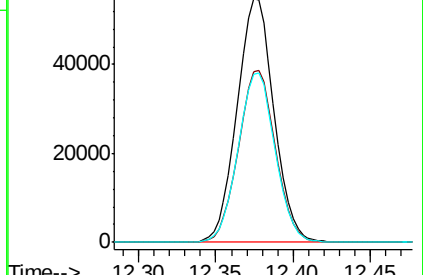
176 69.9 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061153.D (-3341) (-)

Ion 173.80 (173.50 to 174.50): VN061153.D (-3341) (-)

Ion 175.80 (175.50 to 176.50): VN061153.D (-3341) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061161.D

Acq: 28 Apr 2020 14:08

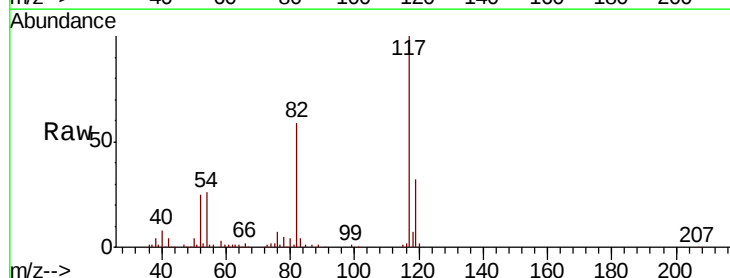
Tgt Ion: 117 Resp: 183628

Ion Ratio Lower Upper

117 100

82 59.3 47.8 71.8

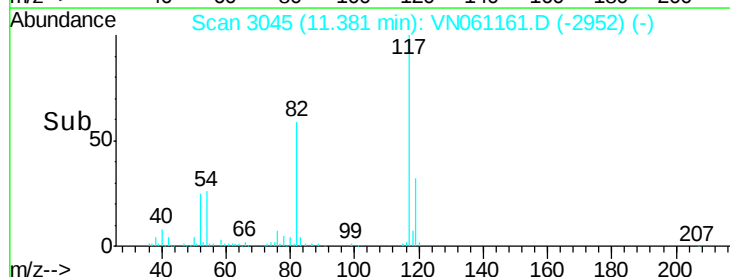
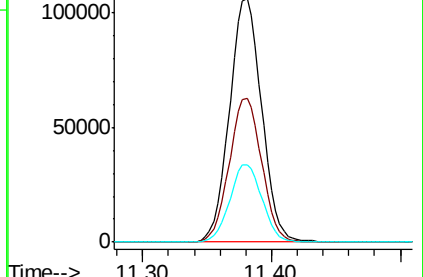
119 31.8 25.8 38.6

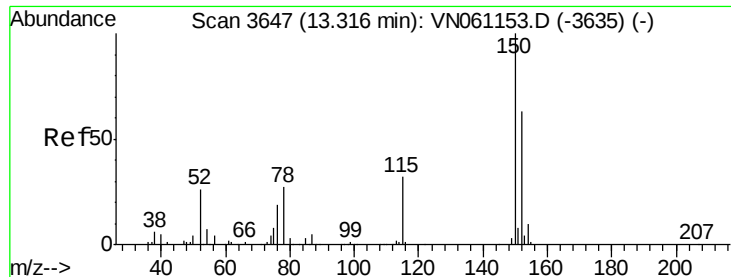


Abundance Ion 116.90 (116.60 to 117.60): VN061153.D (-3030) (-)

Ion 82.00 (81.70 to 82.70): VN061153.D (-3030) (-)

Ion 118.90 (118.60 to 119.60): VN061153.D (-3030) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061161.D

Acq: 28 Apr 2020 14:08

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-TB-20200417

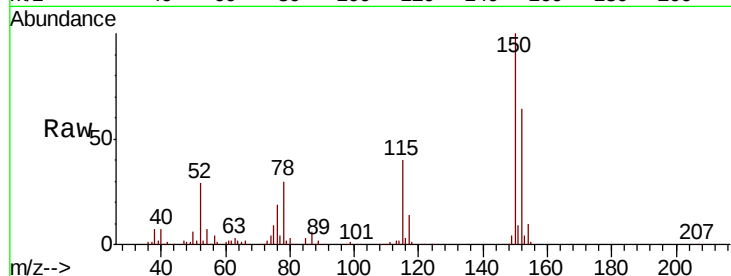
Tot Ion:152 Resp: 80006

Ion Ratio Lower Upper

152 100

115 62.5 31.0 93.0

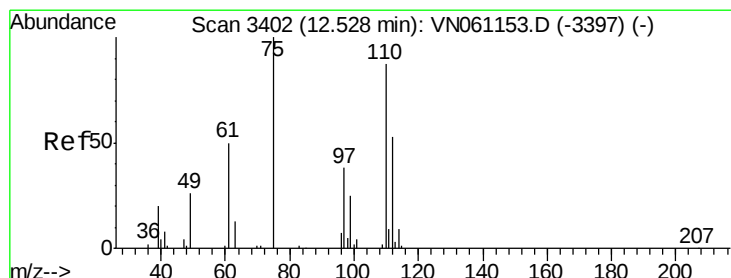
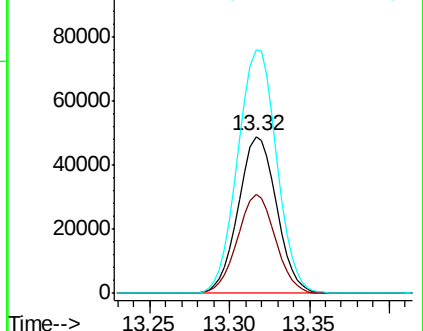
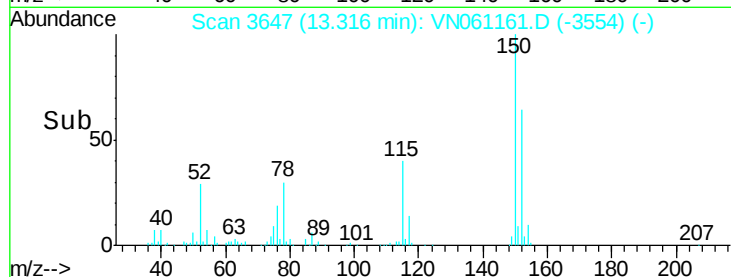
150 158.2 0.0 351.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 29.687 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.15 min

Lab File: VN061161.D

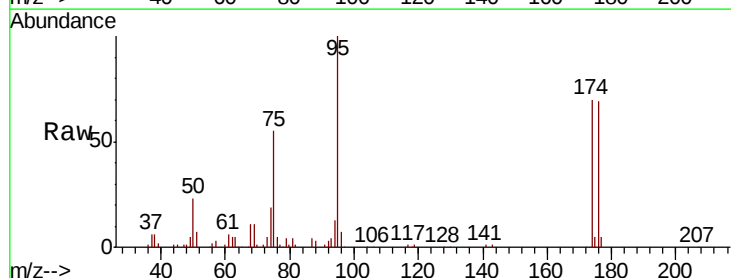
Acq: 28 Apr 2020 14:08

Tgt Ion: 75 Resp: 50074

Ion Ratio Lower Upper

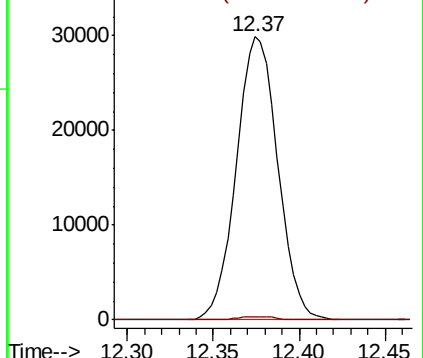
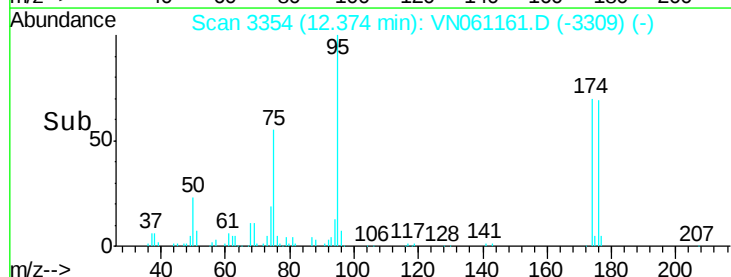
75 100

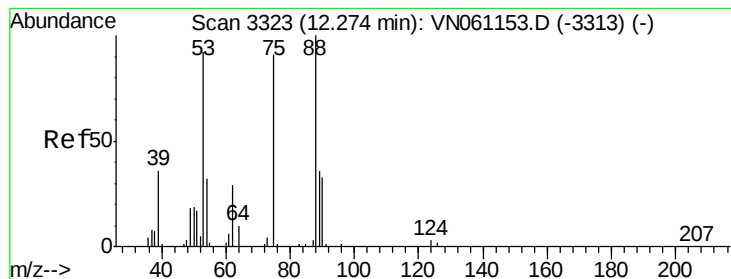
77 0.9 0.0 0.0#



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: 75.389 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. 0.10 min

Lab File: VN061161.D

Acq: 28 Apr 2020 14:08

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-TB-20200417

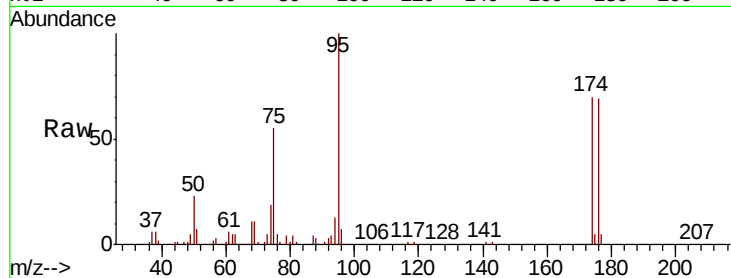
Tot Ion: 75 Resp: 50074

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

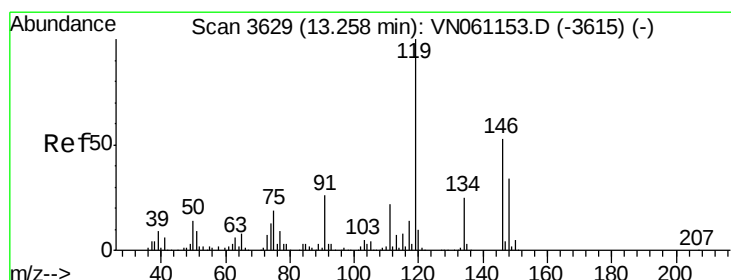
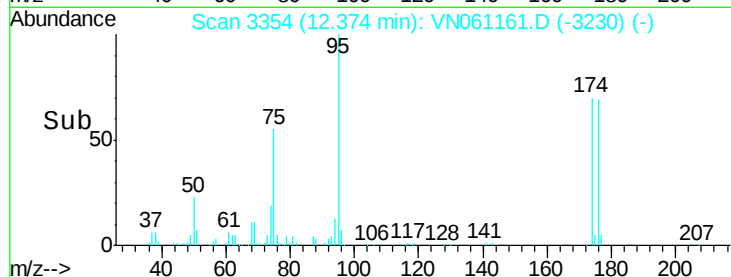
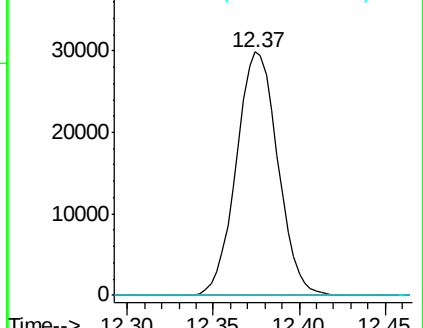
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN061161.D (-3230) (-)

Ion 53.00 (52.70 to 53.70): VN061161.D (-3230) (-)

Ion 88.90 (88.60 to 89.60): VN061161.D (-3230) (-)



#87

1,3-Dichlorobenzene

Concen: 0.202 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061161.D

Acq: 28 Apr 2020 14:08

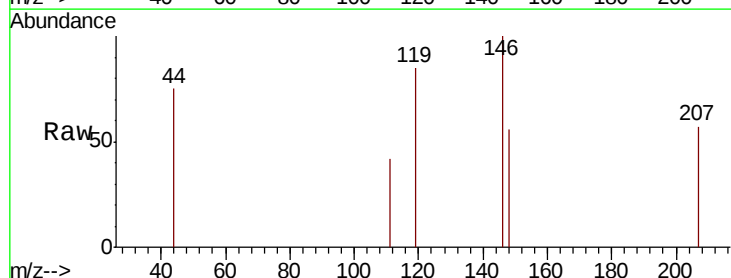
Tgt Ion: 146 Resp: 506

Ion Ratio Lower Upper

146 100

111 12.6 20.7 62.1#

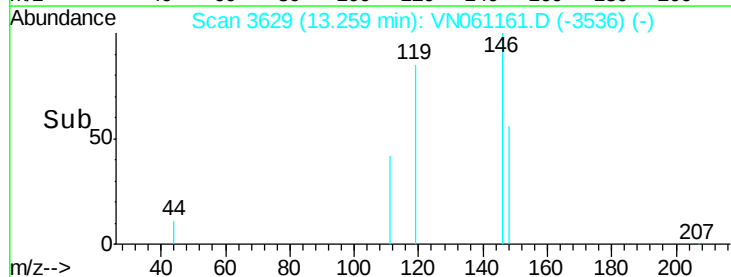
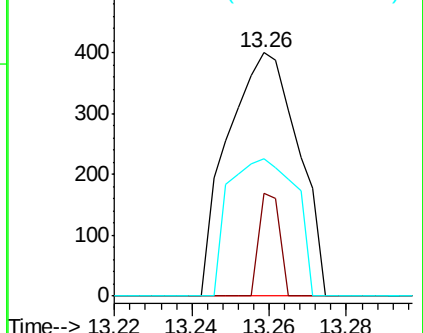
148 53.6 31.8 95.3

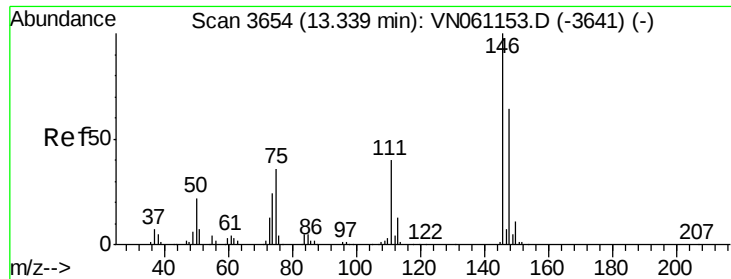


Abundance Ion 145.90 (145.60 to 146.60): VN061161.D (-3536) (-)

Ion 110.90 (110.60 to 111.60): VN061161.D (-3536) (-)

Ion 147.90 (147.60 to 148.60): VN061161.D (-3536) (-)





#88

1,4-Dichlorobenzene

Concen: 0.271 ug/l

RT: 13.33 min Scan# 3652

Delta R.T. -0.01 min

Lab File: VN061161.D

Acq: 28 Apr 2020 14:08

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-TB-20200417

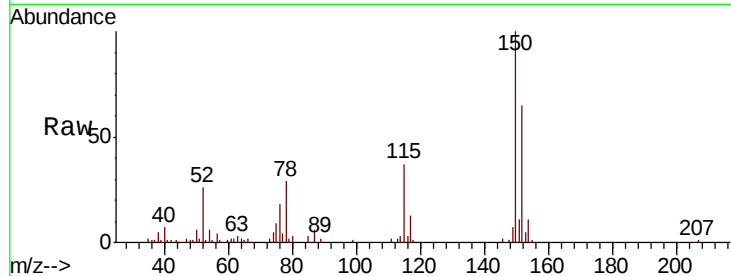
Tot Ion:146 Resp: 691

Ion Ratio Lower Upper

146 100

111 0.0 20.4 61.3#

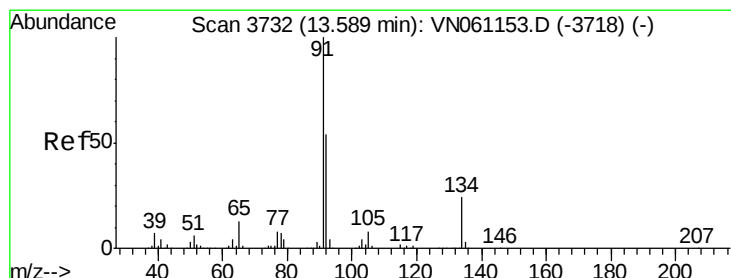
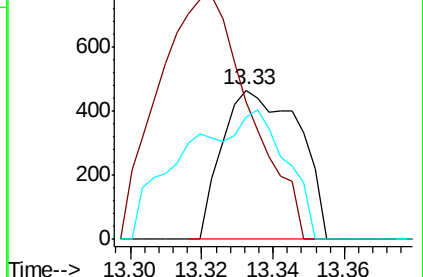
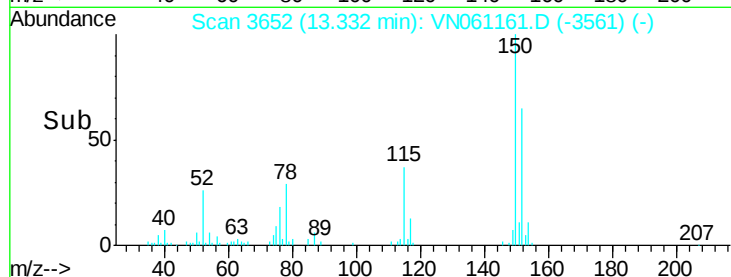
148 59.2 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.235 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. 0.00 min

Lab File: VN061161.D

Acq: 28 Apr 2020 14:08

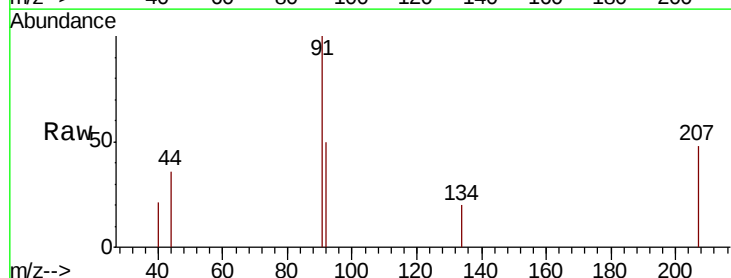
Tgt Ion: 91 Resp: 1084

Ion Ratio Lower Upper

91 100

92 40.9 26.8 80.3

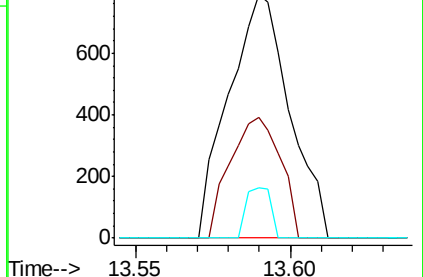
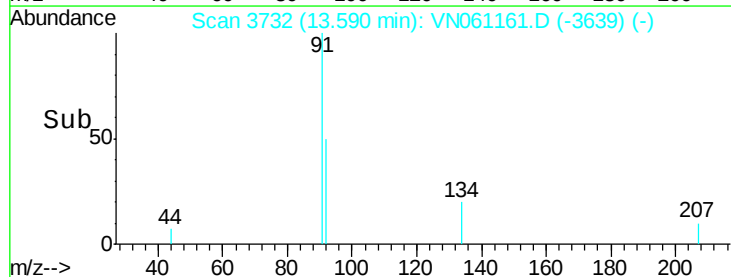
134 8.4 11.9 35.5#

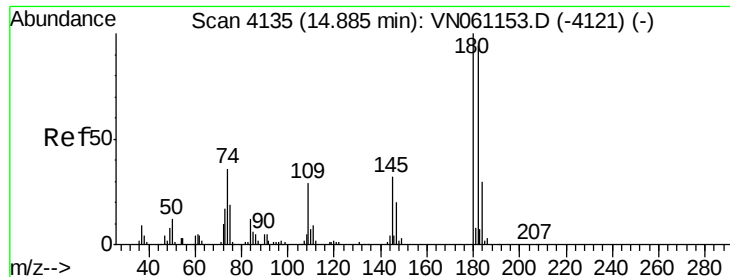


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

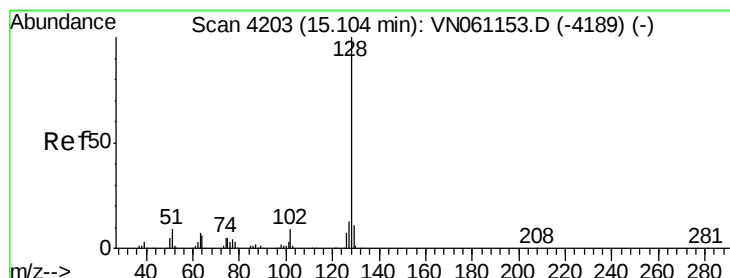
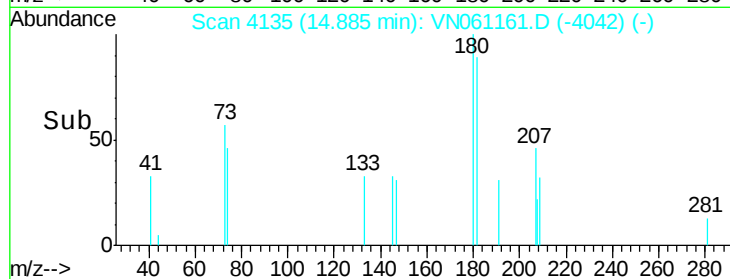
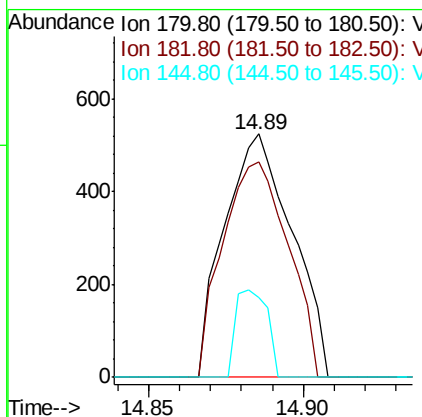
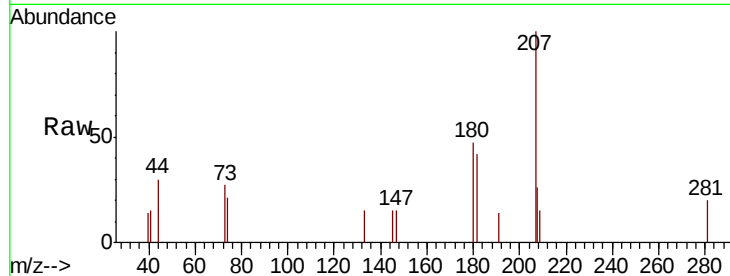




#93
 1,2,4-Trichlorobenzene
 Concen: 0.547 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061161.D
 Acq: 28 Apr 2020 14:08

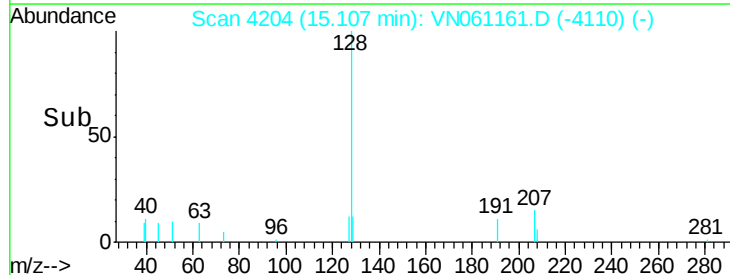
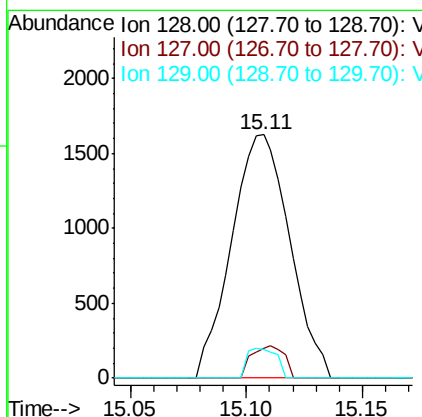
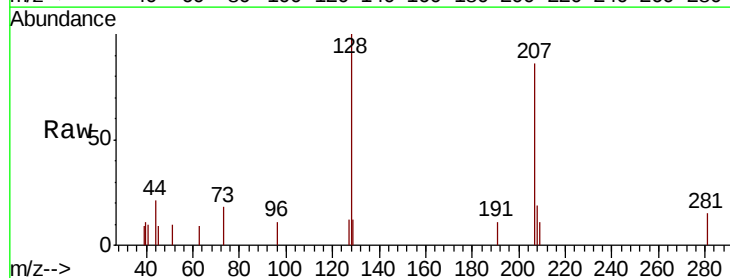
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-TB-20200417

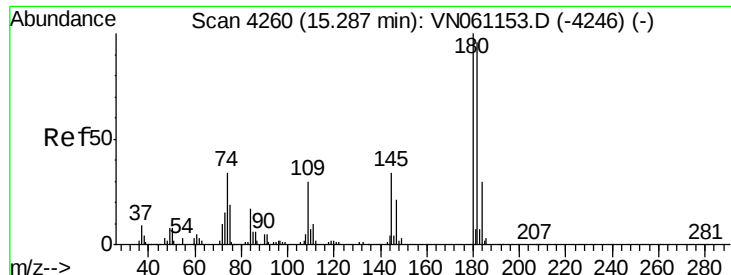
Tot Ion:180 Resp: 799
 Ion Ratio Lower Upper
 180 100
 182 85.6 47.3 141.9
 145 16.6 16.0 47.9



#95
 Naphthalene
 Concen: 0.595 ug/l
 RT: 15.11 min Scan# 4204
 Delta R.T. 0.00 min
 Lab File: VN061161.D
 Acq: 28 Apr 2020 14:08

Tgt Ion:128 Resp: 2830
 Ion Ratio Lower Upper
 128 100
 127 7.4 10.4 15.6#
 129 6.1 8.7 13.1#

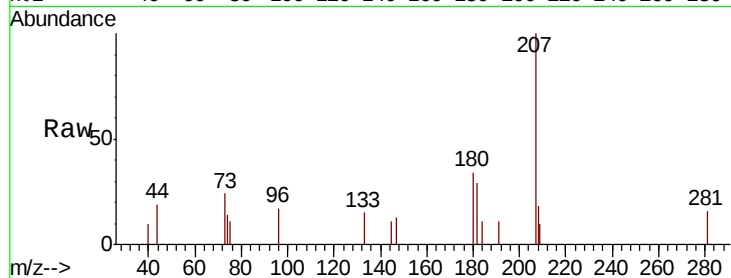




#96
 1,2,3-Trichlorobenzene
 Concen: 0.593 ug/l
 RT: 15.28 min Scan# 4259
 Delta R.T. -0.00 min
 Lab File: VN061161.D
 Acq: 28 Apr 2020 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-TB-20200417

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.5	47.5	142.5
145	16.4	16.9	50.7#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

