

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080320\
 Data File : VX017745.D
 Acq On : 03 Aug 2020 15:00
 Operator : JC/SP
 Sample : L3526-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-GW-58-60

Quant Time: Aug 12 14:45:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	611755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	929787	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	794864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	398242	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	396571	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
35) Dibromofluoromethane	5.46	113	297571	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	8.70	98	1041361	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
62) 4-Bromofluorobenzene	11.12	95	410572	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	

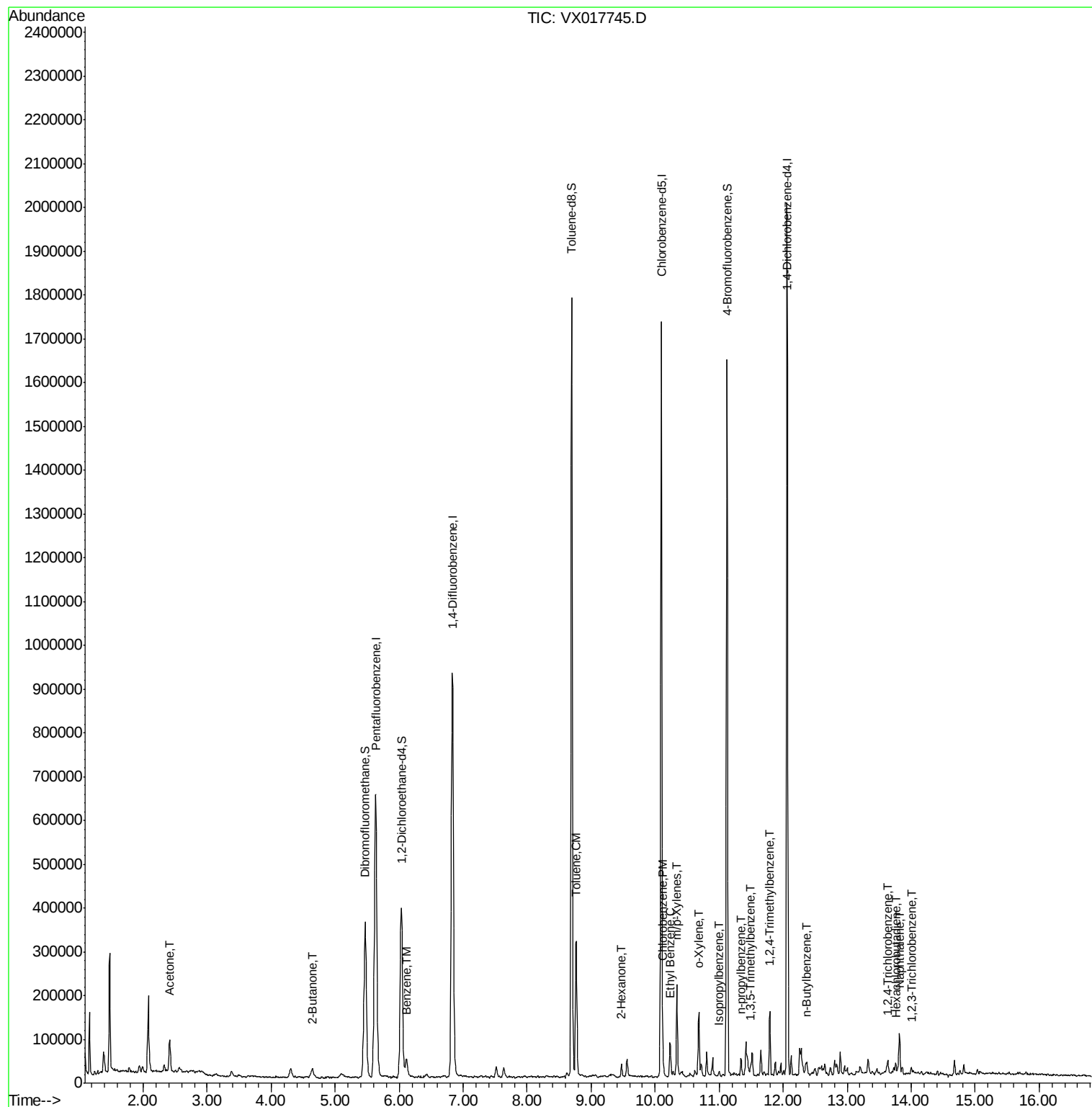
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.42	43	77061	22.280	ug/l	95
25) 2-Butanone	4.65	43	32630	6.641	ug/l #	90
40) Benzene	6.11	78	47989	1.877	ug/l	97
52) Toluene	8.77	92	117541	7.169	ug/l	99
59) 2-Hexanone	9.47	43	16119	2.229	ug/l	100
65) Chlorobenzene	10.12	112	13133	0.763	ug/l #	74
67) Ethyl Benzene	10.23	91	44594	1.553	ug/l	98
68) m/p-Xylenes	10.34	106	44640	4.012	ug/l	95
69) o-Xylene	10.68	106	31103	2.907	ug/l	99
73) Isopropylbenzene	11.00	105	5619	0.206	ug/l	88
78) n-propylbenzene	11.35	91	17431	0.566	ug/l	95
80) 1,3,5-Trimethylbenzene	11.49	105	8265	0.354	ug/l	85
84) 1,2,4-Trimethylbenzene	11.79	105	59015	2.544	ug/l	98
89) n-Butylbenzene	12.37	91	9331	0.423	ug/l #	76
93) 1,2,4-Trichlorobenzene	13.63	180	3281	0.372	ug/l #	90
94) Hexachlorobutadiene	13.77	225	2316	0.571	ug/l	92
95) Naphthalene	13.82	128	55684	2.117	ug/l	95
96) 1,2,3-Trichlorobenzene	14.01	180	2697	0.310	ug/l	83

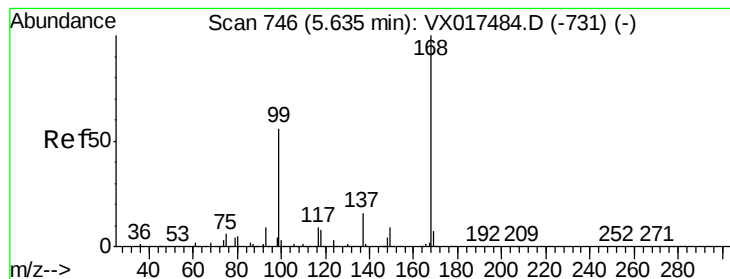
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

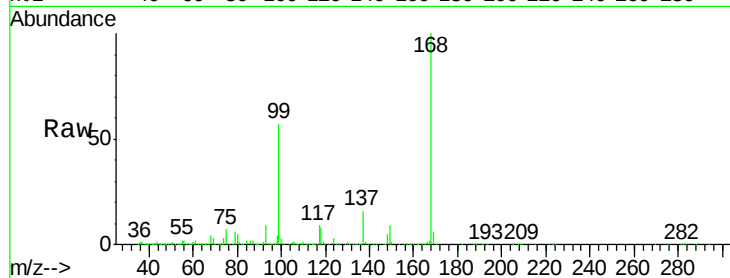
BP-VPB179-GW-58-60

Tot Ion:168 Resp: 611755

Ion Ratio Lower Upper

168 100

99 56.8 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

250000

200000

150000

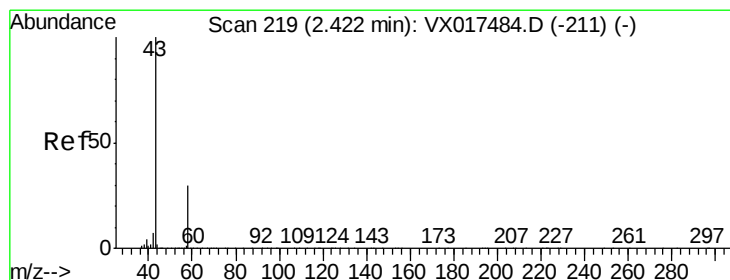
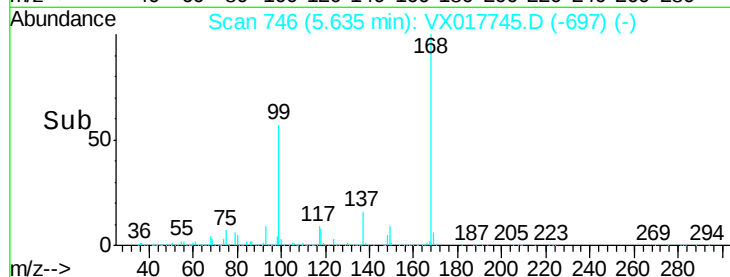
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 22.280 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017745.D

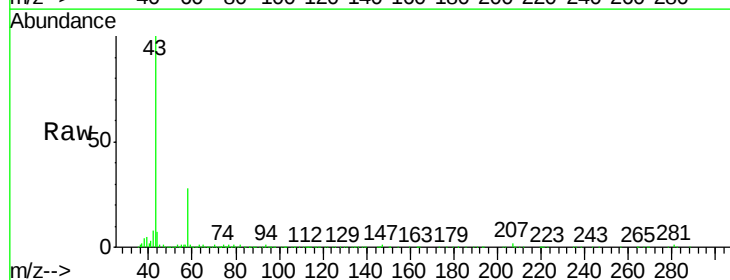
Acq: 03 Aug 2020 15:00

Tgt Ion: 43 Resp: 77061

Ion Ratio Lower Upper

43 100

58 27.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

50000

40000

30000

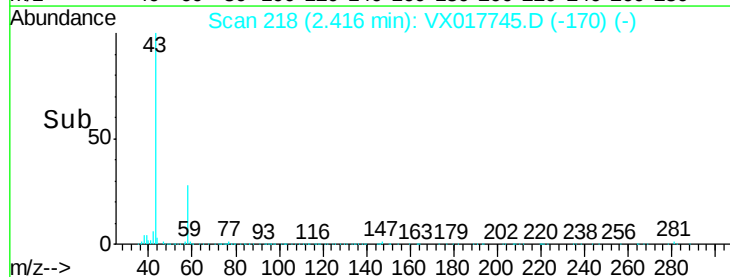
20000

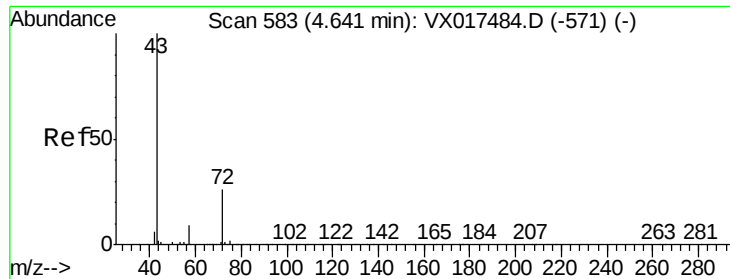
10000

0

Time-->

2.35 2.40 2.45 2.50





#25

2-Butanone

Concen: 6.641 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

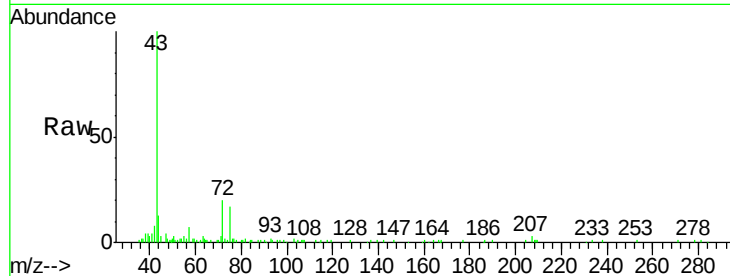
BP-VPB179-GW-58-60

Tot Ion: 43 Resp: 32630

Ion Ratio Lower Upper

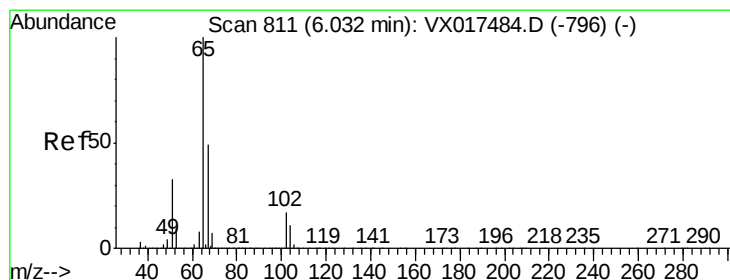
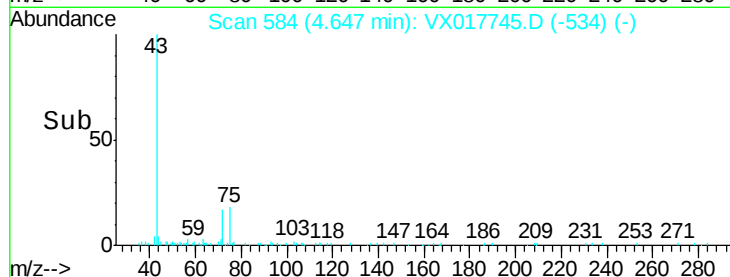
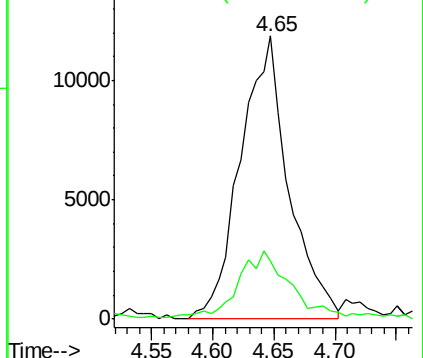
43 100

72 18.9 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.465 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017745.D

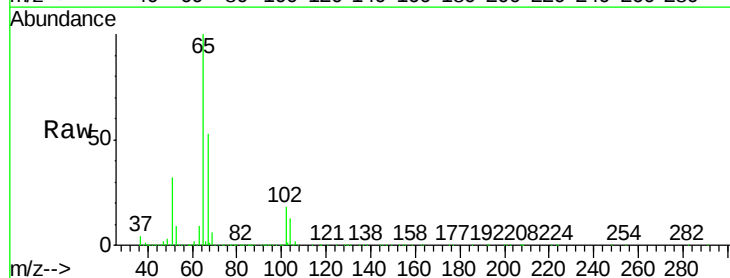
Acq: 03 Aug 2020 15:00

Tgt Ion: 65 Resp: 396571

Ion Ratio Lower Upper

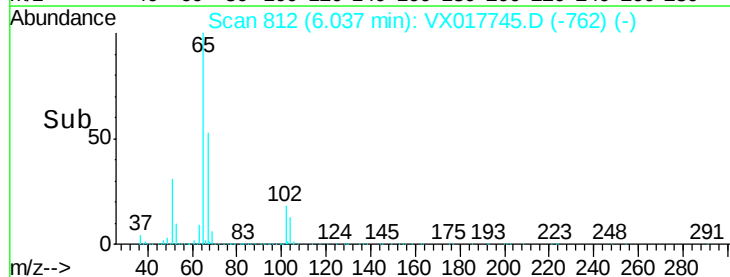
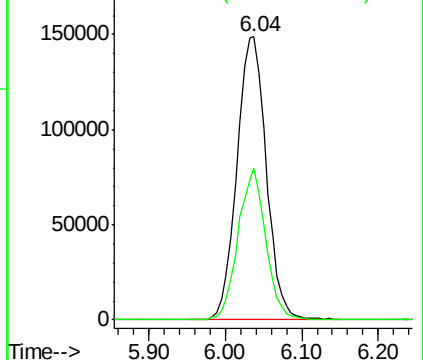
65 100

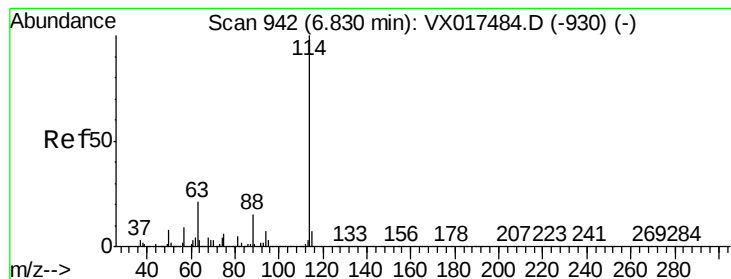
67 50.3 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-58-60

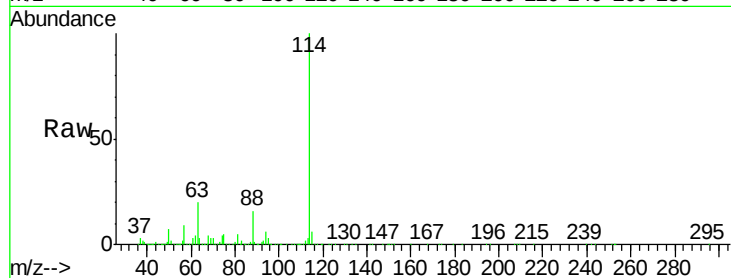
Tot Ion:114 Resp: 929787

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

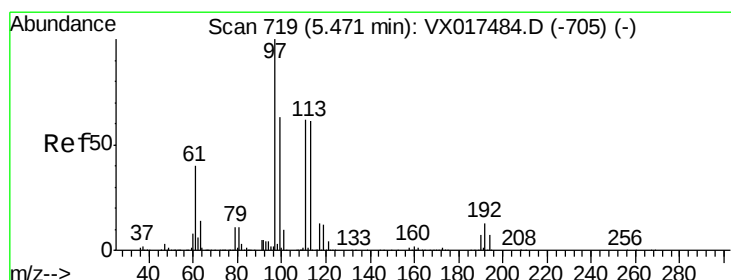
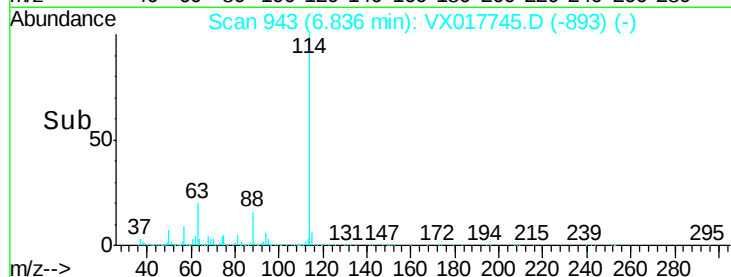
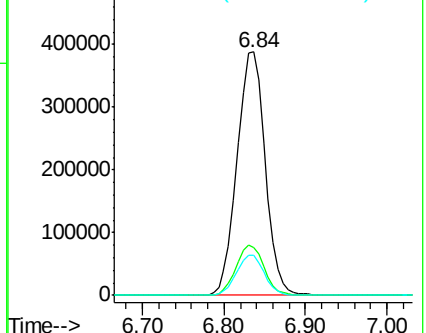
88 16.2 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.853 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

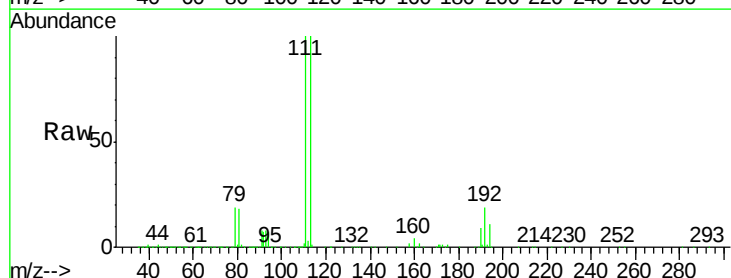
Tgt Ion:113 Resp: 297571

Ion Ratio Lower Upper

113 100

111 102.5 80.7 121.1

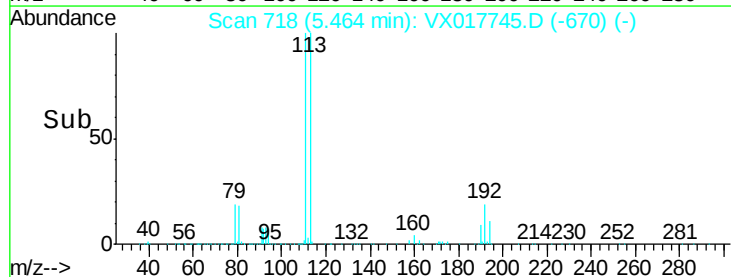
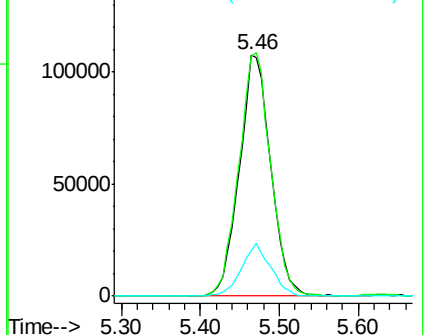
192 20.5 16.9 25.3

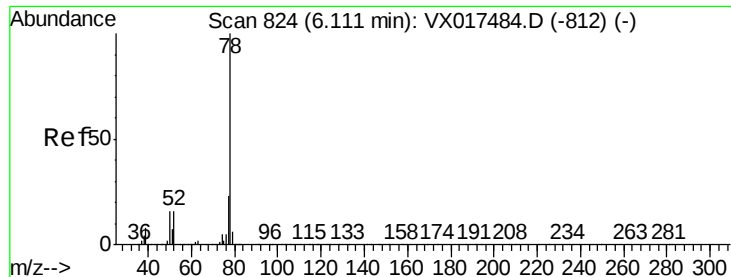


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.877 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

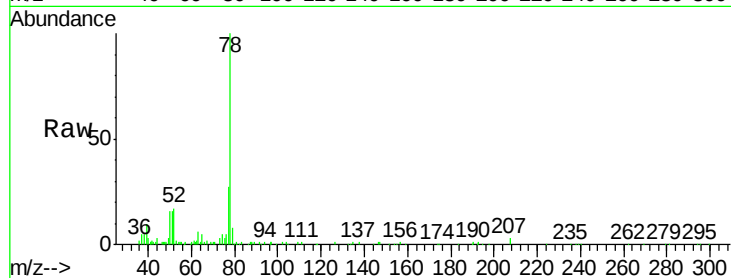
BP-VPB179-GW-58-60

Tot Ion: 78 Resp: 47989

Ion Ratio Lower Upper

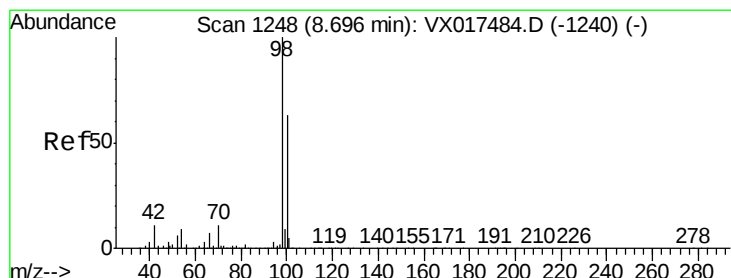
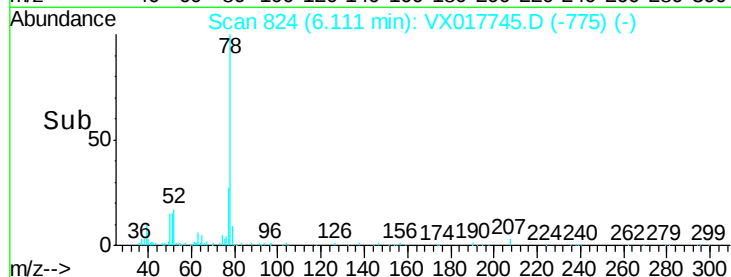
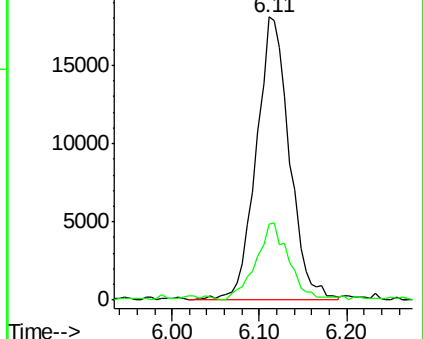
78 100

77 26.0 19.4 29.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 46.421 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017745.D

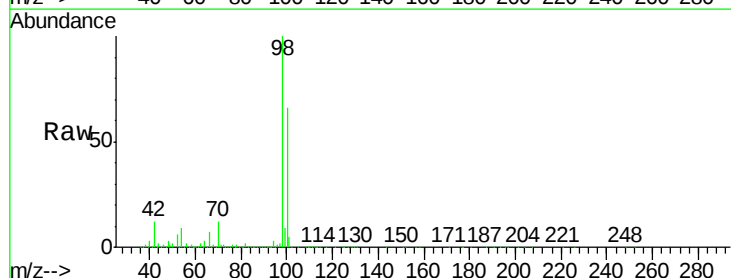
Acq: 03 Aug 2020 15:00

Tgt Ion: 98 Resp: 1041361

Ion Ratio Lower Upper

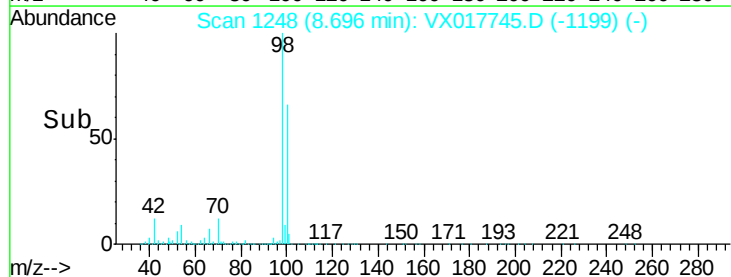
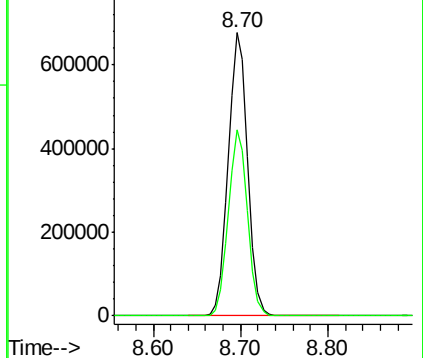
98 100

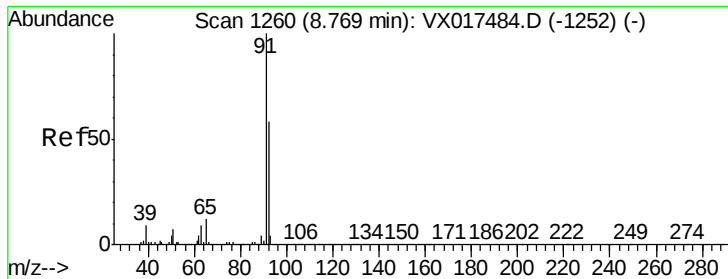
100 65.2 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 7.169 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

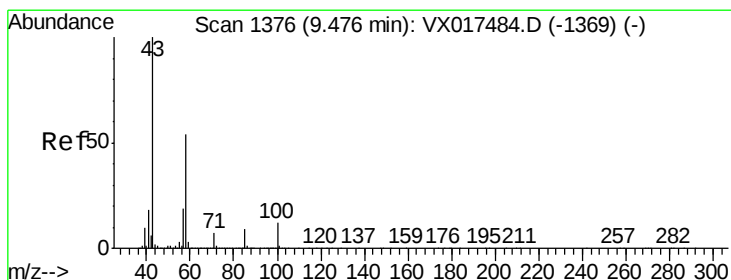
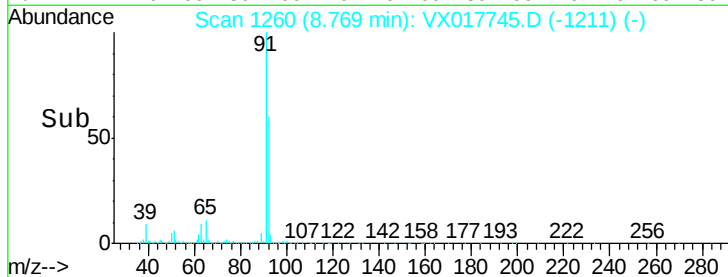
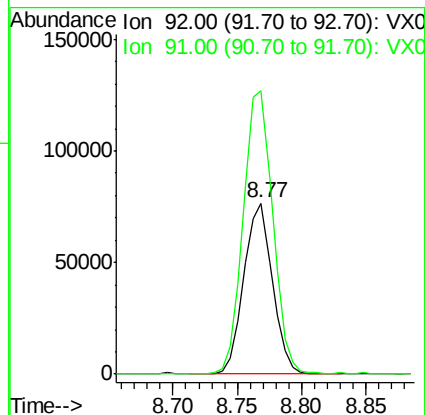
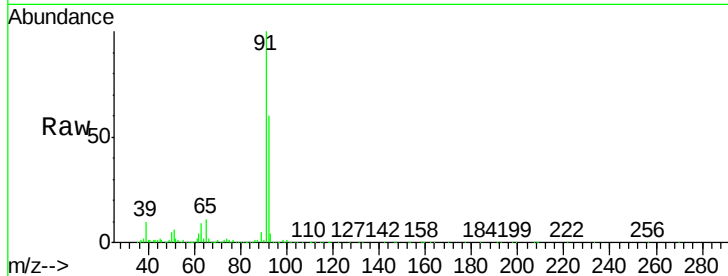
BP-VPB179-GW-58-60

Tot Ion: 92 Resp: 117541

Ion Ratio Lower Upper

92 100

91 171.1 137.6 206.4



#59

2-Hexanone

Concen: 2.229 ug/l

RT: 9.47 min Scan# 1375

Delta R.T. -0.01 min

Lab File: VX017745.D

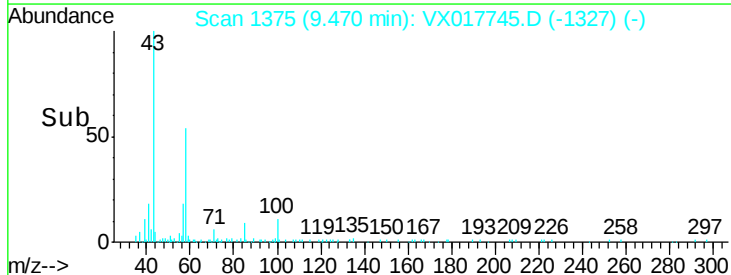
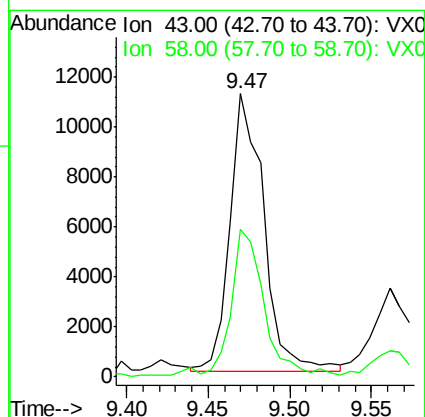
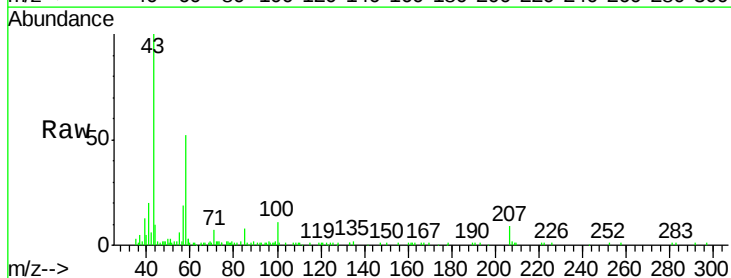
Acq: 03 Aug 2020 15:00

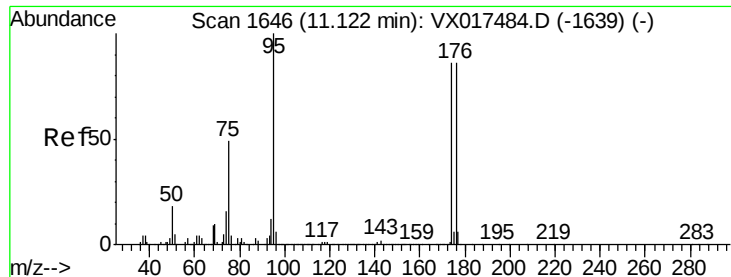
Tgt Ion: 43 Resp: 16119

Ion Ratio Lower Upper

43 100

58 53.2 26.6 79.8





#62

4-Bromofluorobenzene

Concen: 45.732 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

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ClientSampleId :

BP-VPB179-GW-58-60

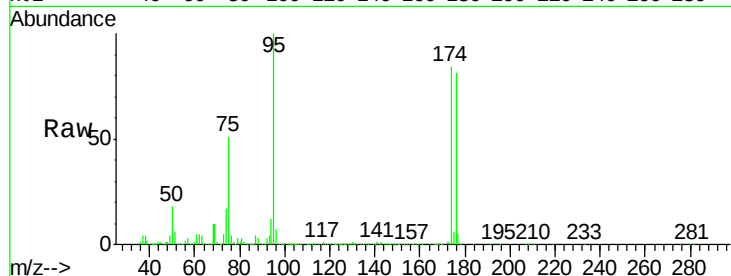
Tot Ion: 95 Resp: 410572

Ion Ratio Lower Upper

95 100

174 81.8 0.0 169.0

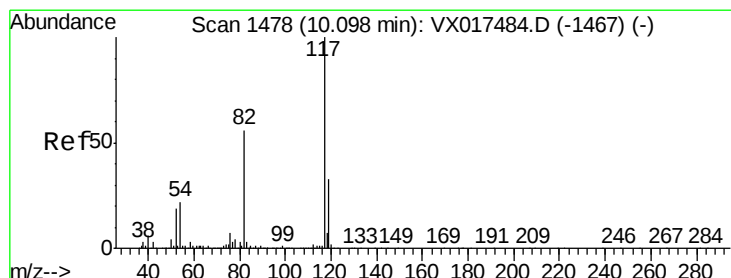
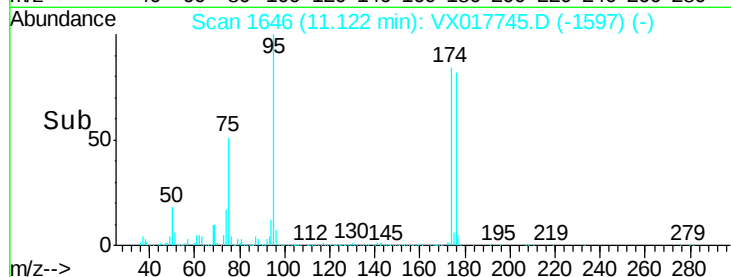
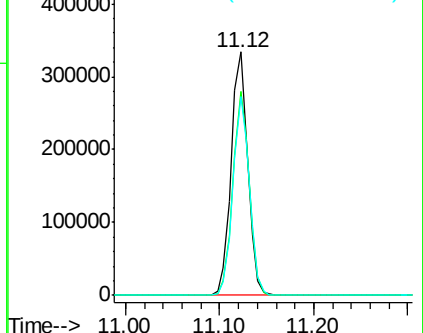
176 80.3 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX

Ion 173.80 (173.50 to 174.50): VX

Ion 175.80 (175.50 to 176.50): VX



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

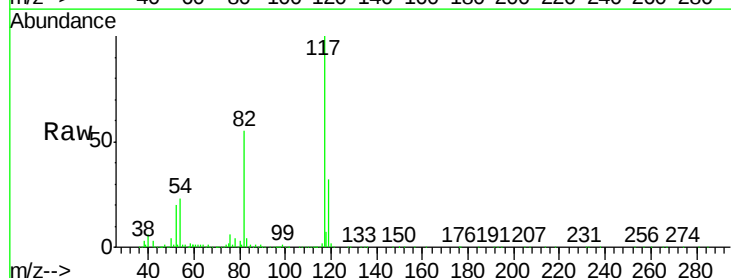
Tgt Ion: 117 Resp: 794864

Ion Ratio Lower Upper

117 100

82 54.6 44.0 66.0

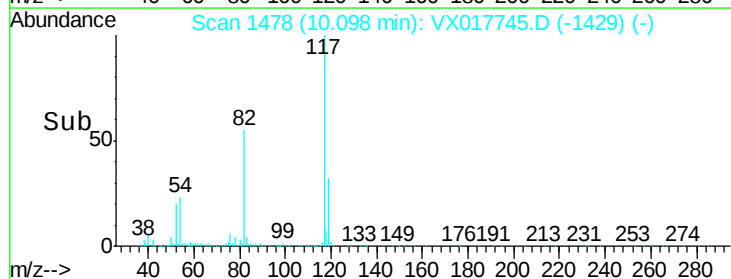
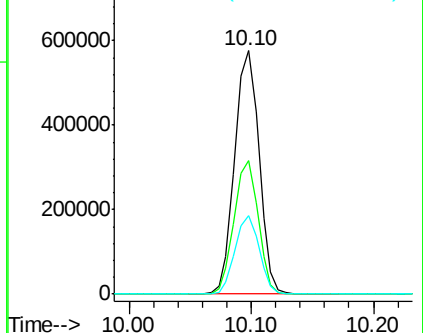
119 32.4 25.4 38.0

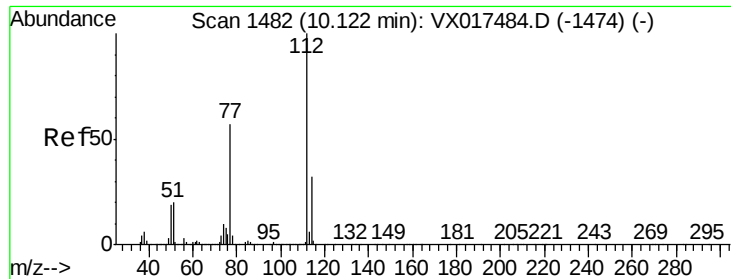


Abundance Ion 116.90 (116.60 to 117.60): VX

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): VX





#65

Chlorobenzene

Concen: 0.763 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

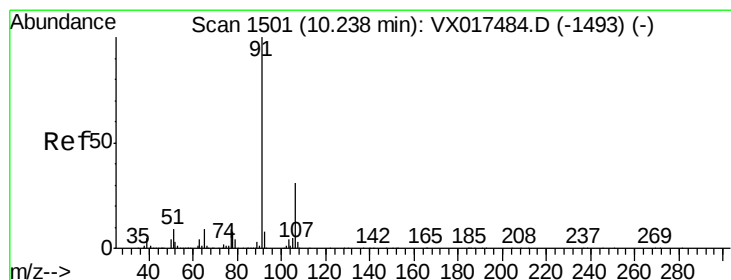
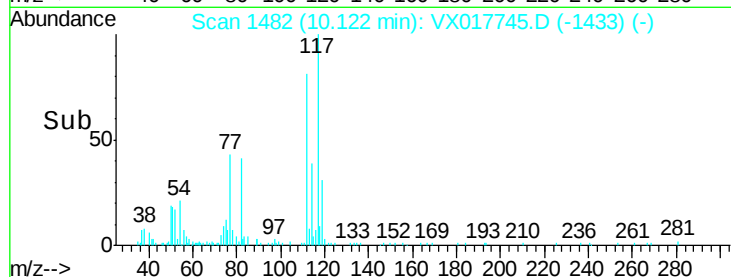
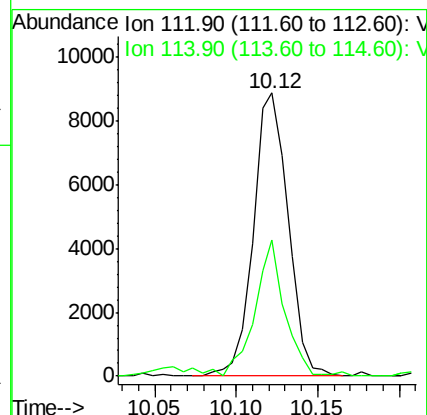
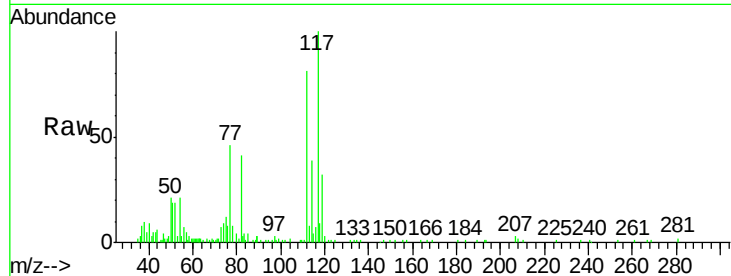
BP-VPB179-GW-58-60

Tot Ion:112 Resp: 13133

Ion Ratio Lower Upper

112 100

114 46.7 25.7 38.5#



#67

Ethyl Benzene

Concen: 1.553 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX017745.D

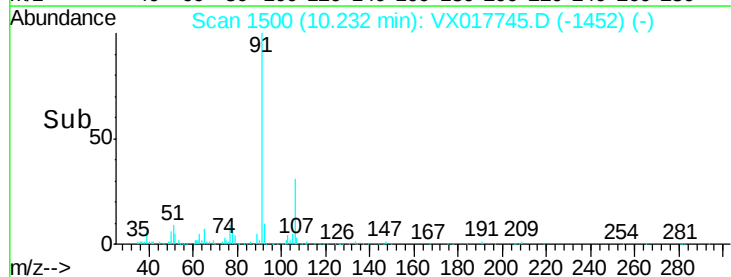
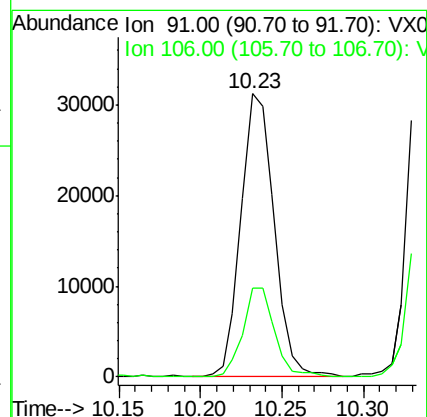
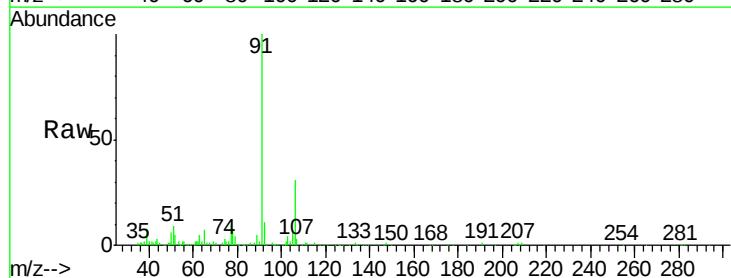
Acq: 03 Aug 2020 15:00

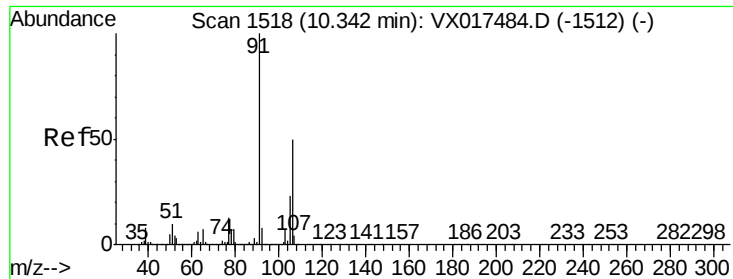
Tgt Ion: 91 Resp: 44594

Ion Ratio Lower Upper

91 100

106 31.3 25.8 38.6





#68

m/p-Xylenes

Concen: 4.012 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

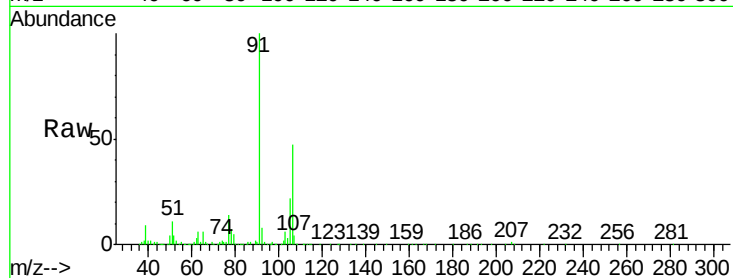
BP-VPB179-GW-58-60

Tot Ion:106 Resp: 44640

Ion Ratio Lower Upper

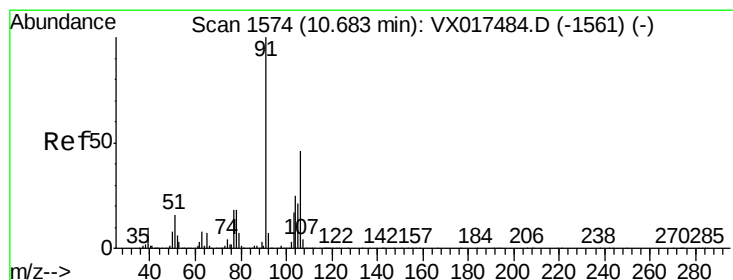
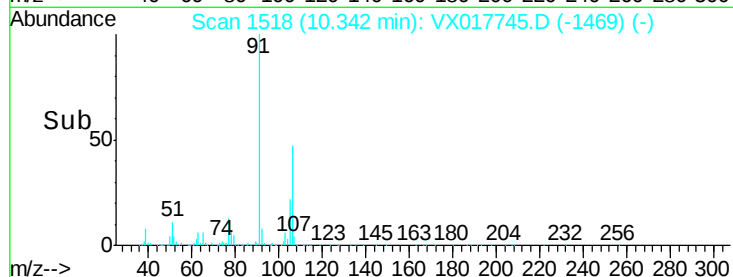
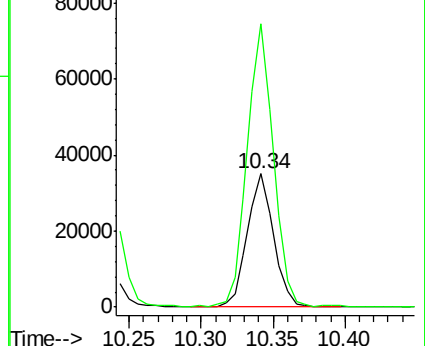
106 100

91 208.9 160.9 241.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 2.907 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017745.D

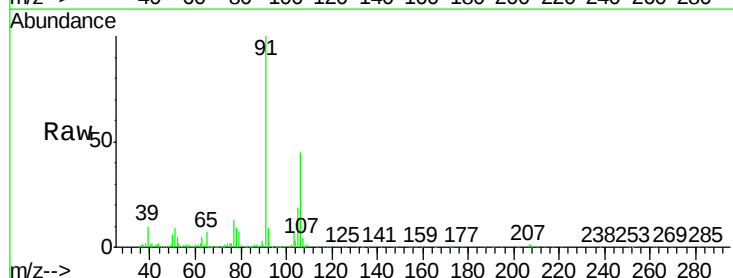
Acq: 03 Aug 2020 15:00

Tgt Ion:106 Resp: 31103

Ion Ratio Lower Upper

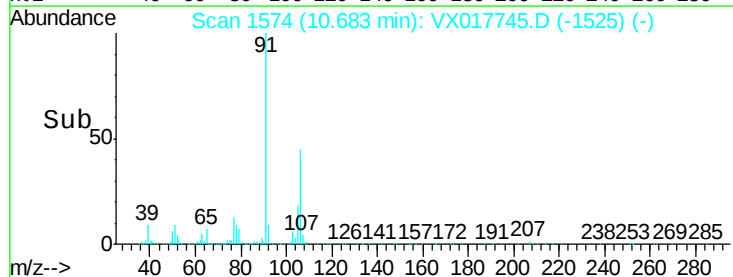
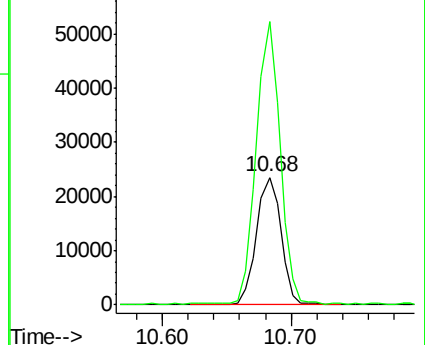
106 100

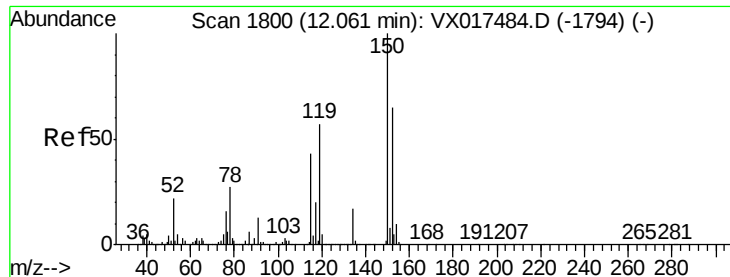
91 214.5 108.2 324.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-58-60

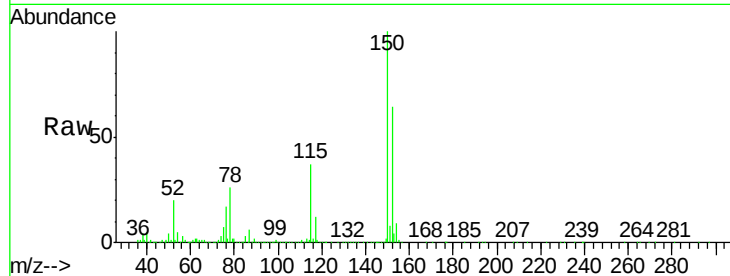
Tot Ion:152 Resp: 398242

Ion Ratio Lower Upper

152 100

115 59.0 65.5 196.6#

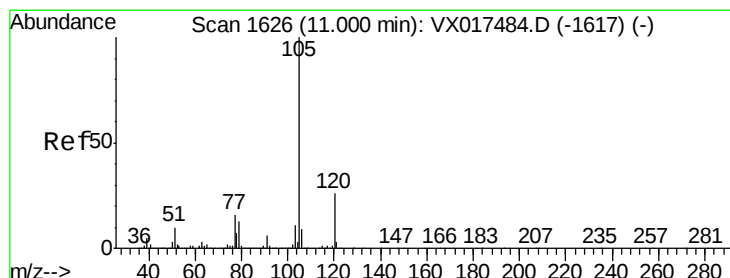
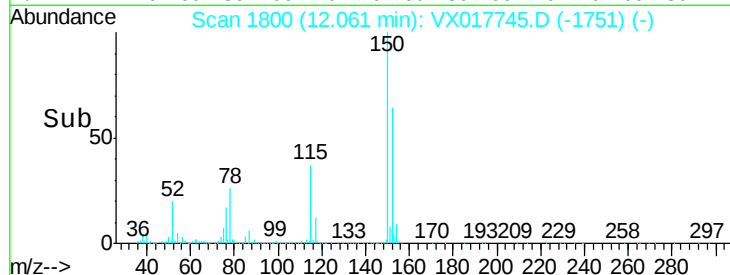
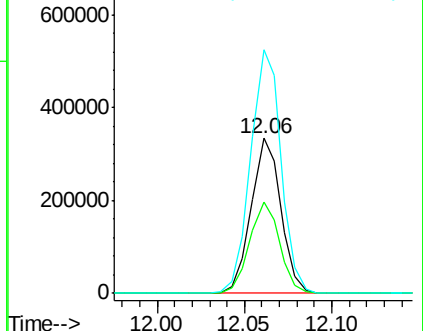
150 160.9 0.0 412.6



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



#73

Isopropylbenzene

Concen: 0.206 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017745.D

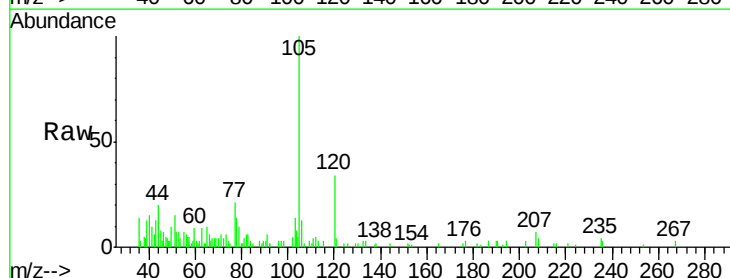
Acq: 03 Aug 2020 15:00

Tgt Ion:105 Resp: 5619

Ion Ratio Lower Upper

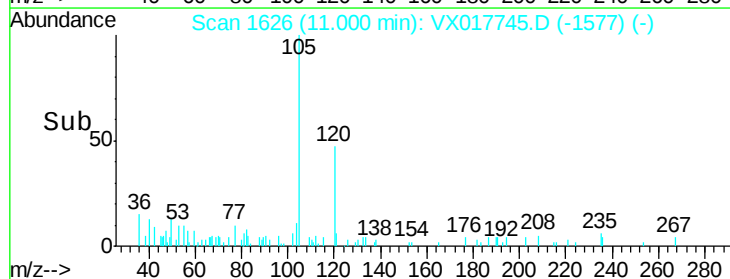
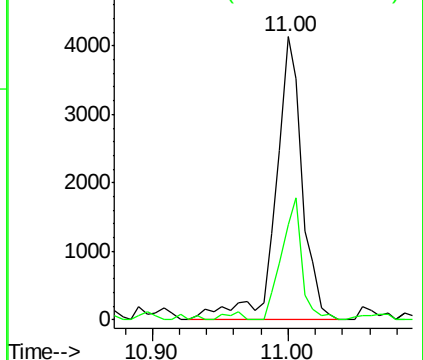
105 100

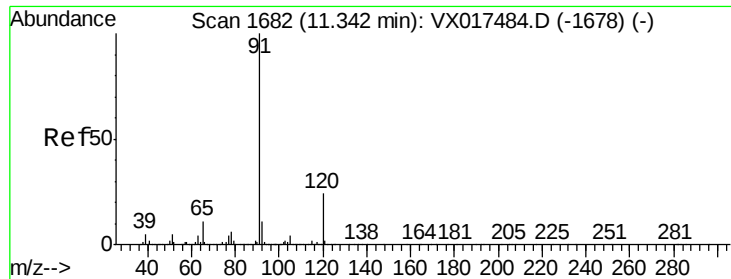
120 32.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.566 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

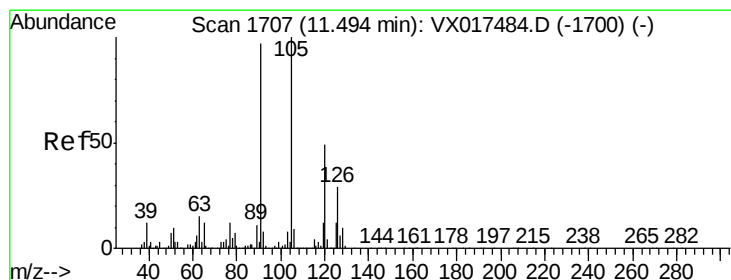
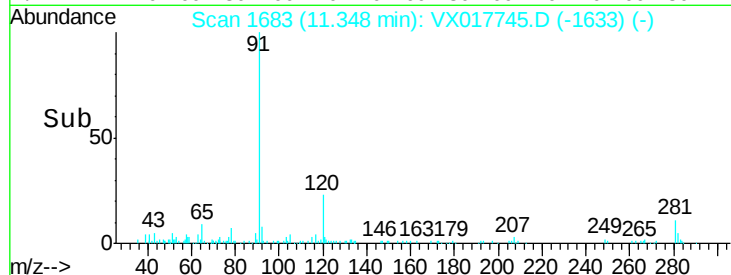
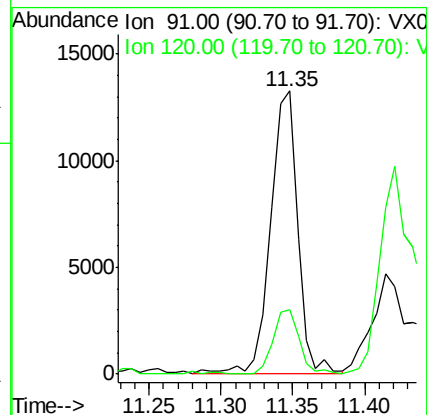
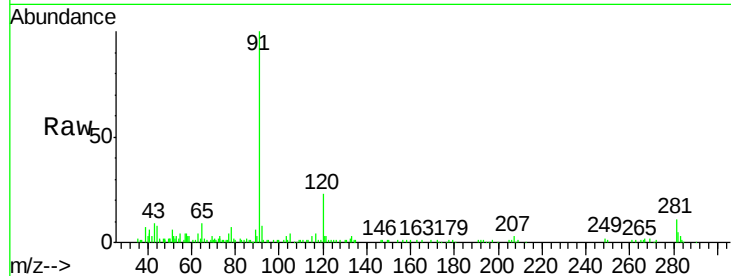
BP-VPB179-GW-58-60

Tot Ion: 91 Resp: 17431

Ion Ratio Lower Upper

91 100

120 21.9 12.2 36.4



#80

1,3,5-Trimethylbenzene

Concen: 0.354 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017745.D

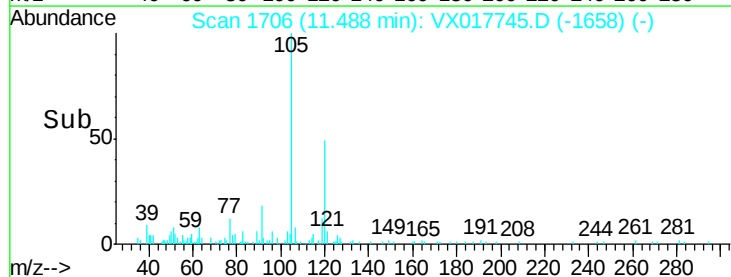
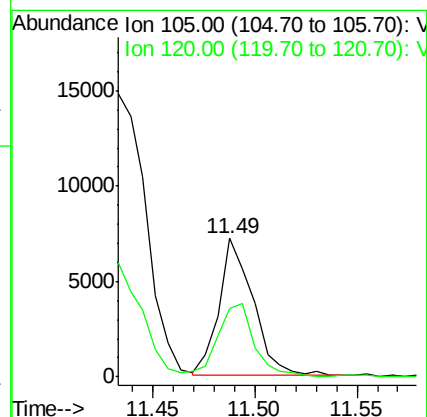
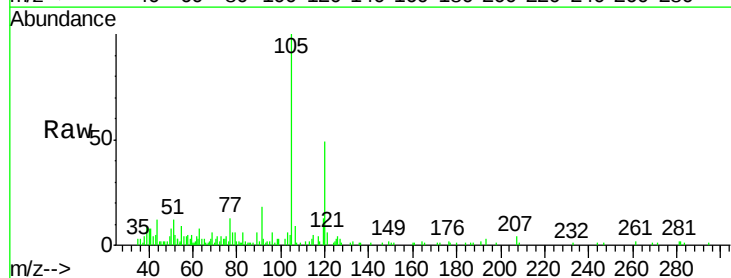
Acq: 03 Aug 2020 15:00

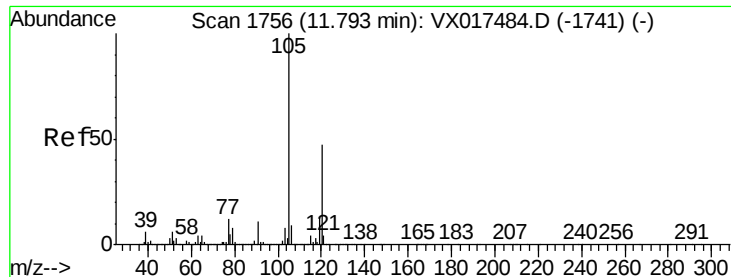
Tgt Ion: 105 Resp: 8265

Ion Ratio Lower Upper

105 100

120 58.2 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 2.544 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

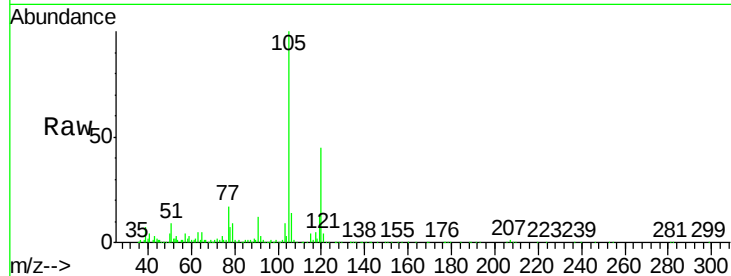
BP-VPB179-GW-58-60

Tot Ion:105 Resp: 59015

Ion Ratio Lower Upper

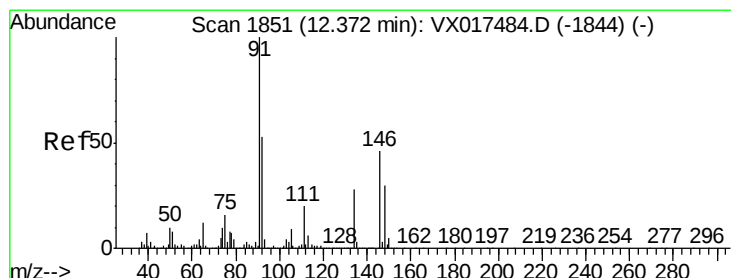
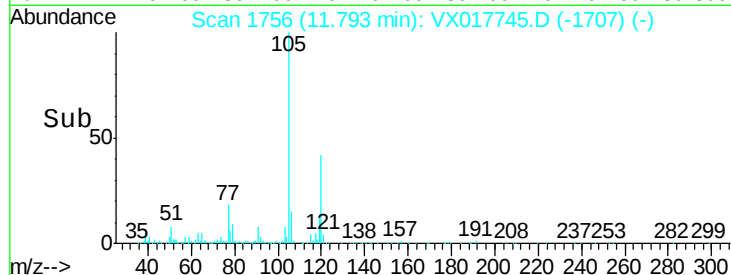
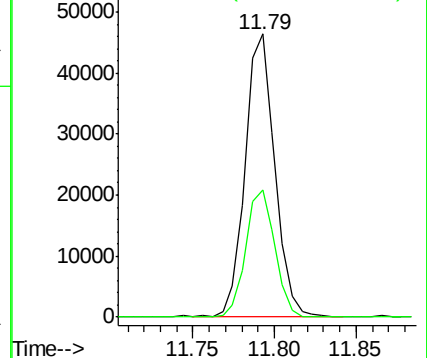
105 100

120 43.8 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#89

n-Butylbenzene

Concen: 0.423 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

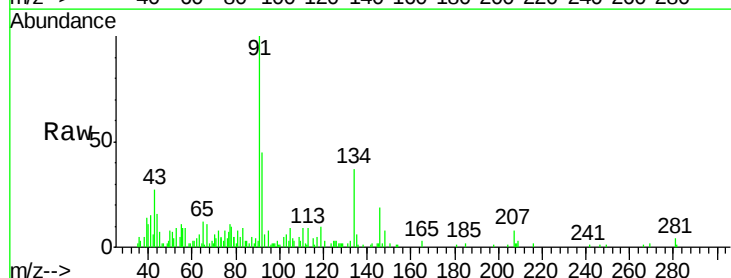
Tgt Ion: 91 Resp: 9331

Ion Ratio Lower Upper

91 100

92 41.2 26.7 80.1

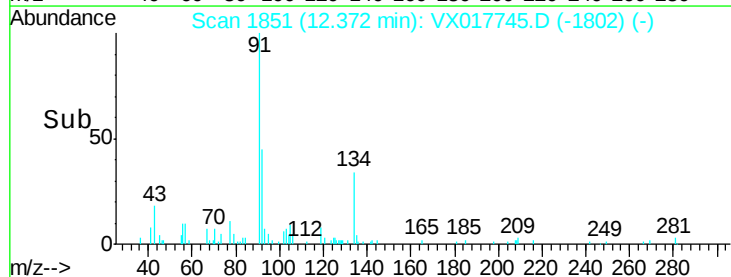
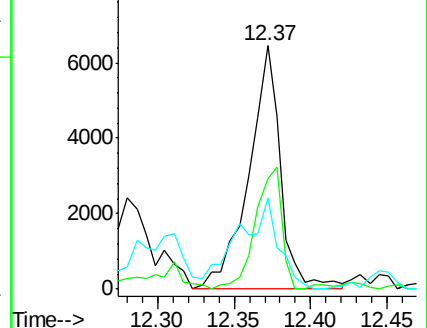
134 46.9 13.6 40.7#

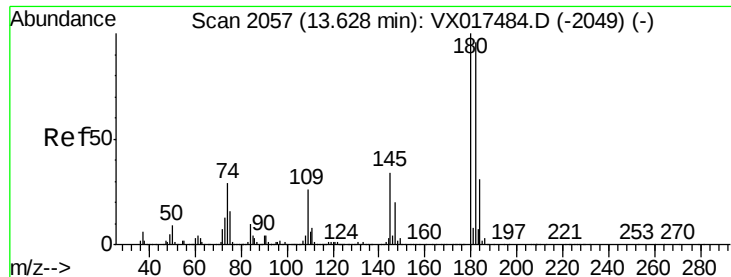


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

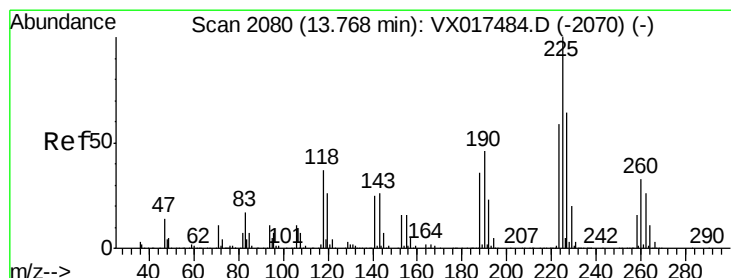
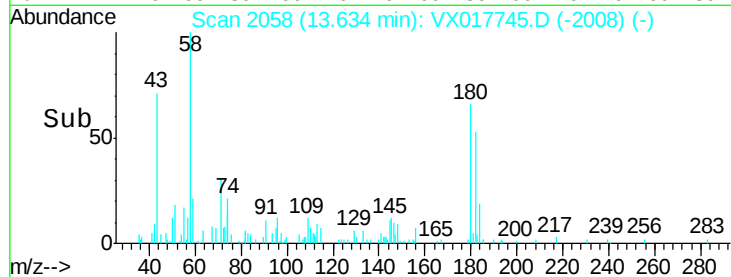
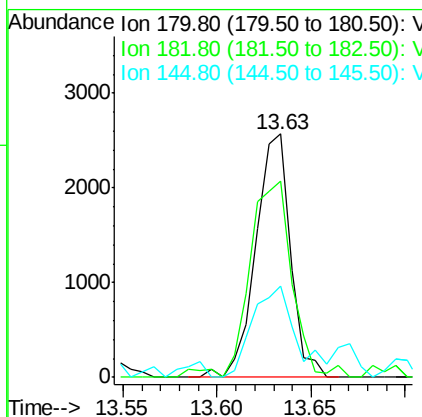
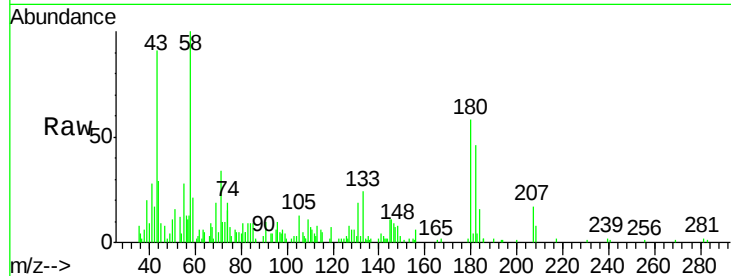




#93
 1,2,4-Trichlorobenzene
 Concen: 0.372 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX017745.D
 Acq: 03 Aug 2020 15:00

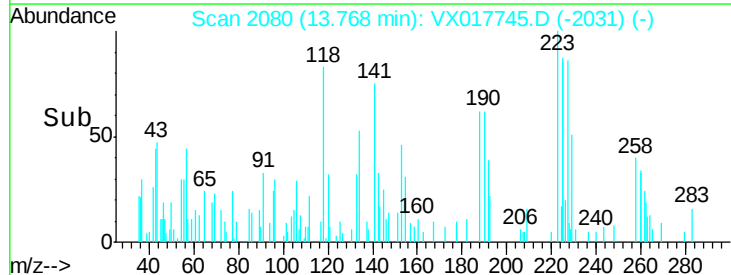
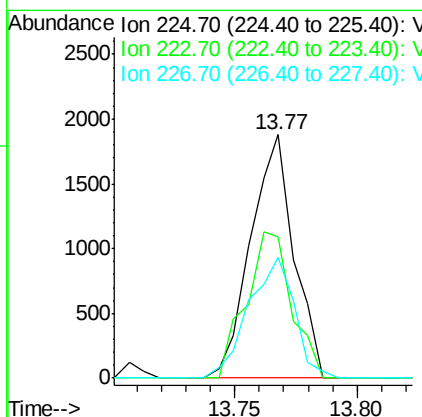
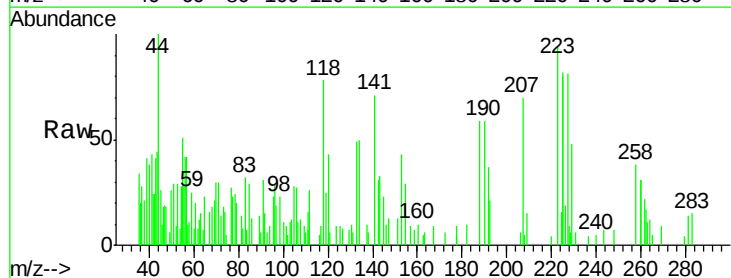
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-GW-58-60

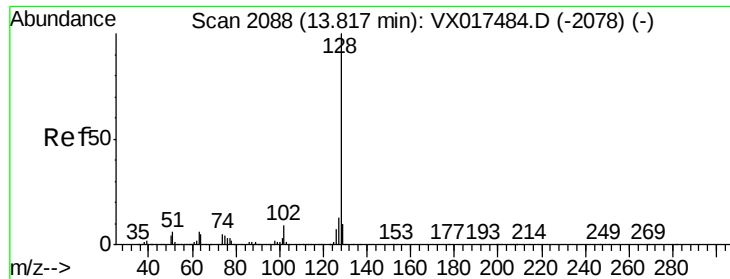
Tot Ion:180 Resp: 3281
 Ion Ratio Lower Upper
 180 100
 182 98.9 47.5 142.6
 145 46.8 15.4 46.4#



#94
 Hexachlorobutadiene
 Concen: 0.571 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX017745.D
 Acq: 03 Aug 2020 15:00

Tgt Ion:225 Resp: 2316
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.3 90.9
 227 52.5 31.1 93.2

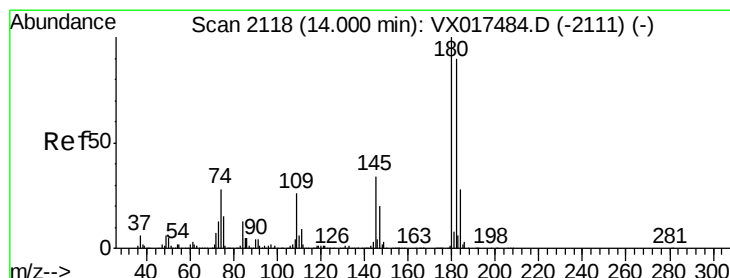
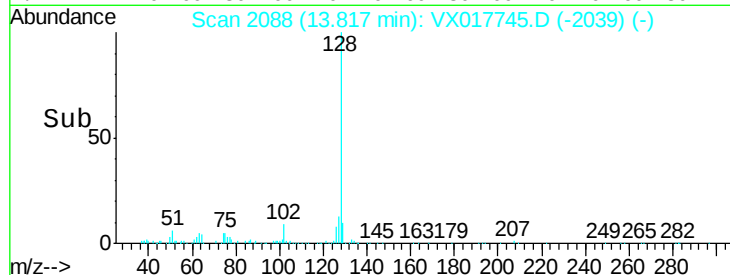
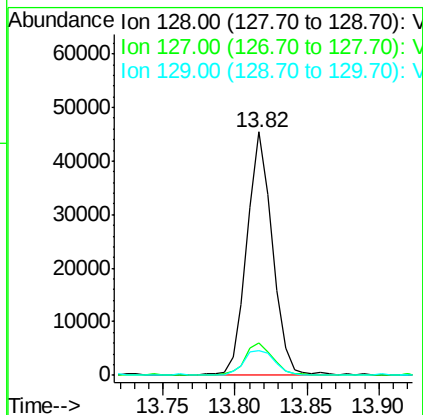
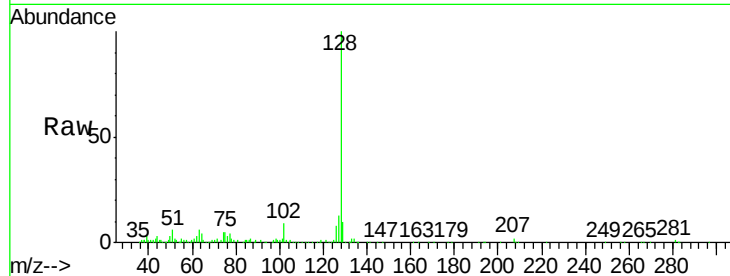




#95
Naphthalene
Concen: 2.117 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-58-60

Tot Ion:128 Resp: 55684
Ion Ratio Lower Upper
128 100
127 15.0 10.4 15.6
129 12.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 0.310 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

Tgt Ion:180 Resp: 2697
Ion Ratio Lower Upper
180 100
182 110.5 47.4 142.3
145 43.6 16.3 48.9

