

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080320\
 Data File : VX017746.D
 Acq On : 03 Aug 2020 15:23
 Operator : JC/SP
 Sample : L3526-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-GW-153-155

Quant Time: Aug 04 11:51:00 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	5.63	168	622693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	929222	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	832748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	404945	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	396342	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
35) Dibromofluoromethane	5.46	113	315837	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	8.70	98	1099361	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.12	95	410542	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	

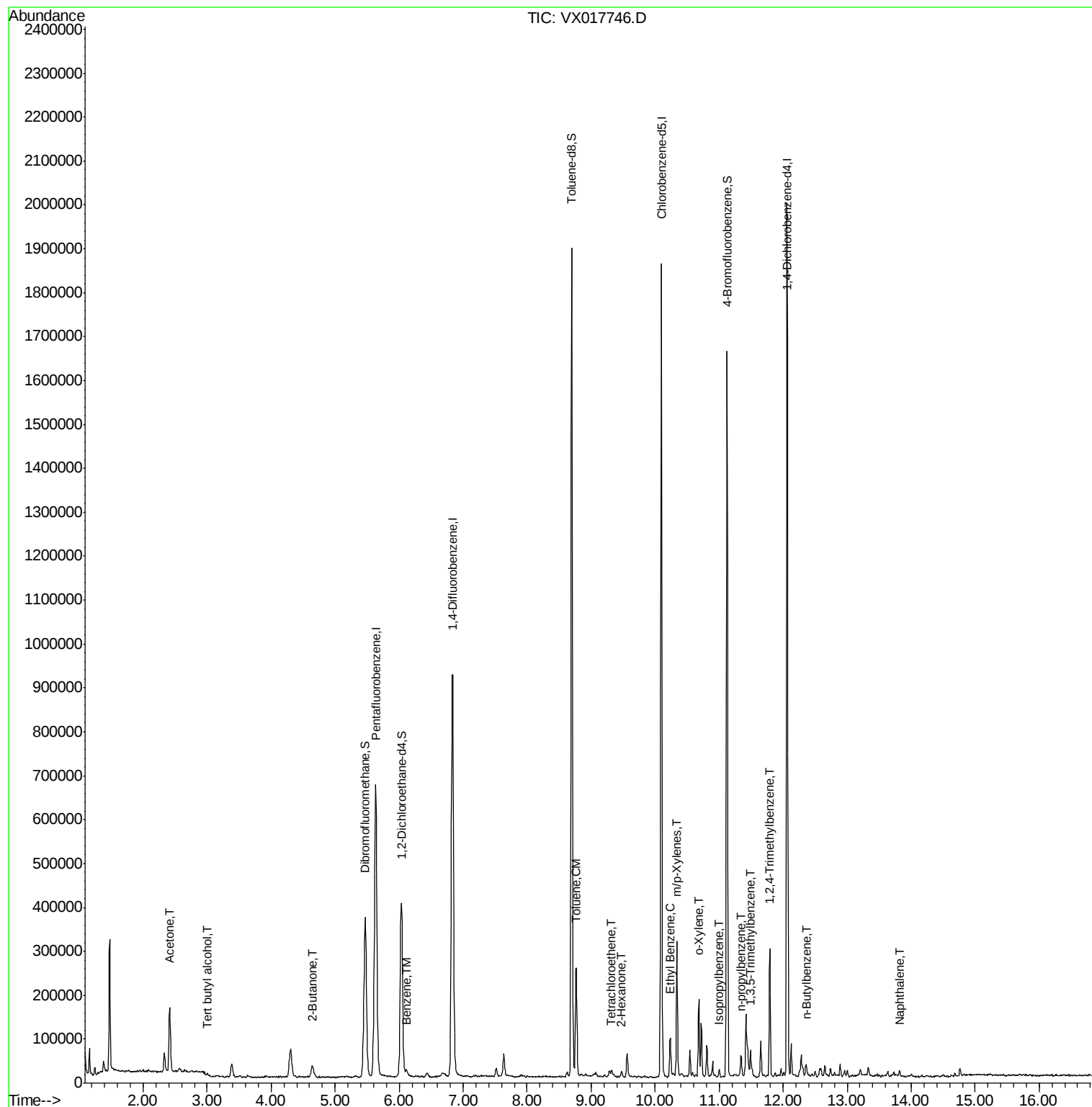
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	4701	2.789	ug/l #	87
16) Acetone	2.42	43	159078	45.186	ug/l	95
25) 2-Butanone	4.64	43	49009	9.799	ug/l	95
40) Benzene	6.11	78	17457	0.683	ug/l #	78
52) Toluene	8.77	92	93789	5.724	ug/l	99
59) 2-Hexanone	9.47	43	7811	1.081	ug/l	96
64) Tetrachloroethene	9.32	164	2335	0.312	ug/l #	80
67) Ethyl Benzene	10.24	91	50420	1.676	ug/l	99
68) m/p-Xylenes	10.34	106	68142	5.846	ug/l	94
69) o-Xylene	10.68	106	35448	3.162	ug/l	96
73) Isopropylbenzene	11.00	105	7460	0.269	ug/l	89
78) n-propylbenzene	11.34	91	22533	0.719	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	25356	1.069	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	120813	5.121	ug/l	98
89) n-Butylbenzene	12.37	91	5987	0.267	ug/l #	62
95) Naphthalene	13.82	128	6997	0.262	ug/l #	85

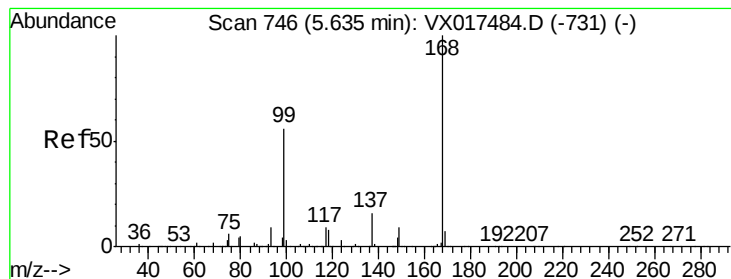
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017746.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

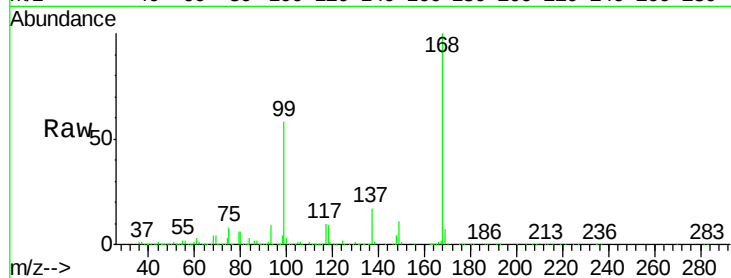
BP-VPB179-GW-153-155

Tot Ion:168 Resp: 622693

Ion Ratio Lower Upper

168 100

99 57.9 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

250000

200000

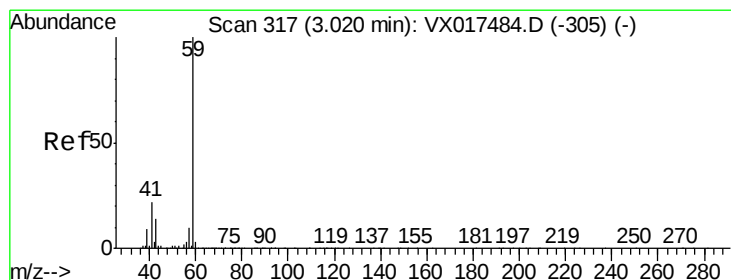
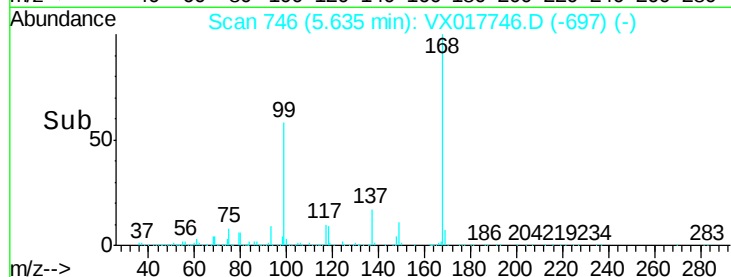
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.789 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017746.D

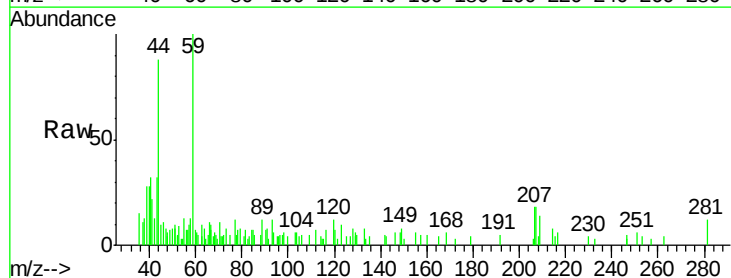
Acq: 03 Aug 2020 15:23

Tgt Ion: 59 Resp: 4701

Ion Ratio Lower Upper

59 100

57 5.9 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

2000

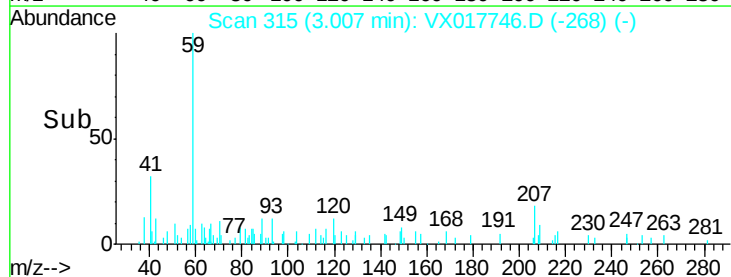
1500

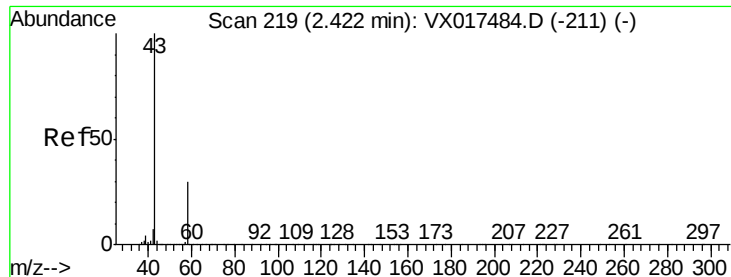
1000

500

0

Time-->

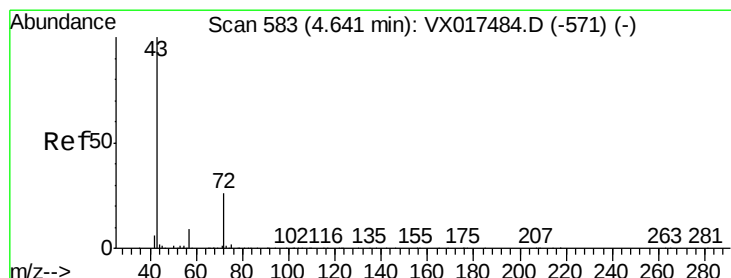
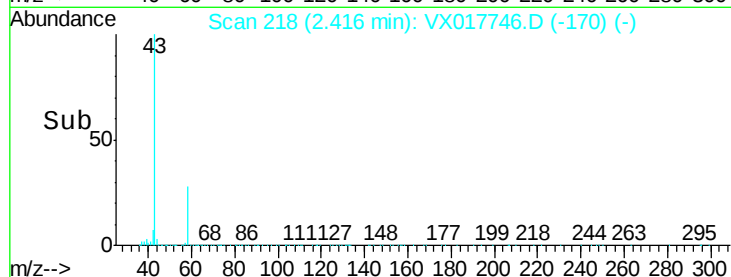
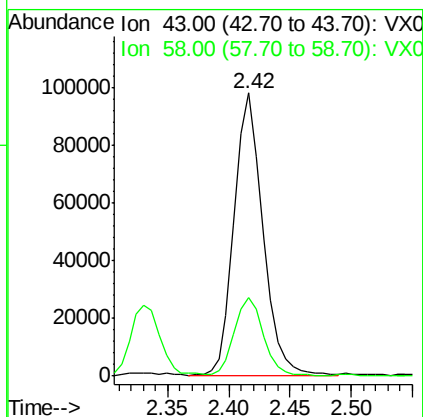
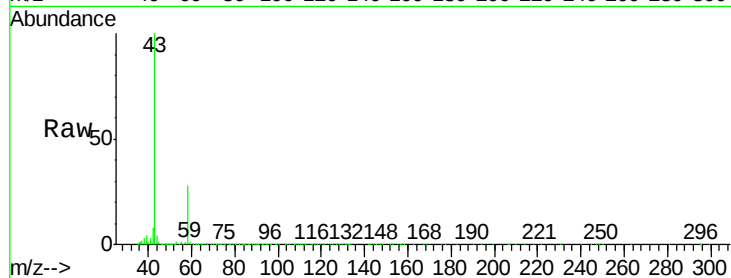




#16
Acetone
Concen: 45.186 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017746.D
Acq: 03 Aug 2020 15:23

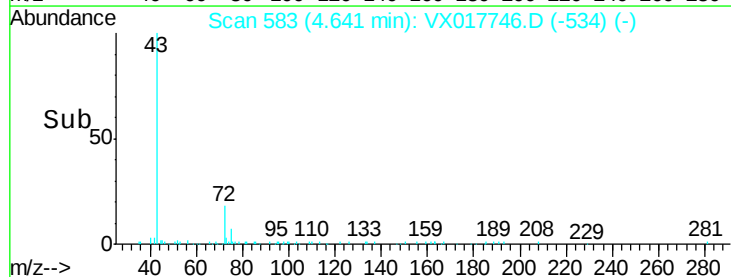
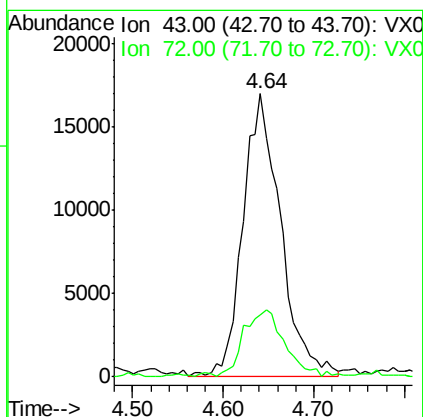
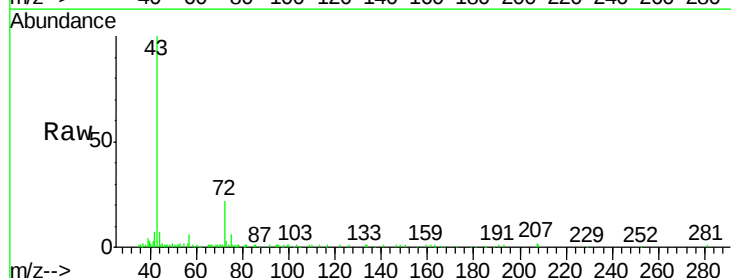
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-153-155

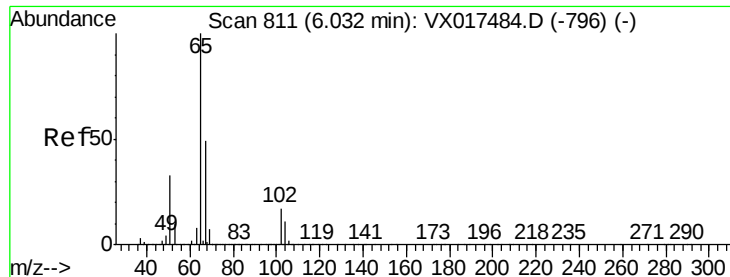
Tot Ion: 43 Resp: 159078
Ion Ratio Lower Upper
43 100
58 27.5 24.2 36.4



#25
2-Butanone
Concen: 9.799 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX017746.D
Acq: 03 Aug 2020 15:23

Tgt Ion: 43 Resp: 49009
Ion Ratio Lower Upper
43 100
72 21.2 19.0 28.4





#33

1,2-Dichloroethane-d4

Concen: 49.550 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017746.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

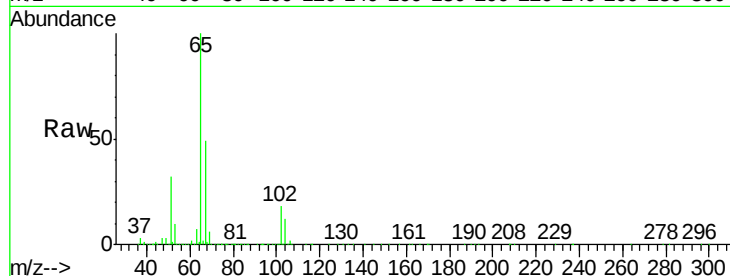
BP-VPB179-GW-153-155

Tot Ion: 65 Resp: 396342

Ion Ratio Lower Upper

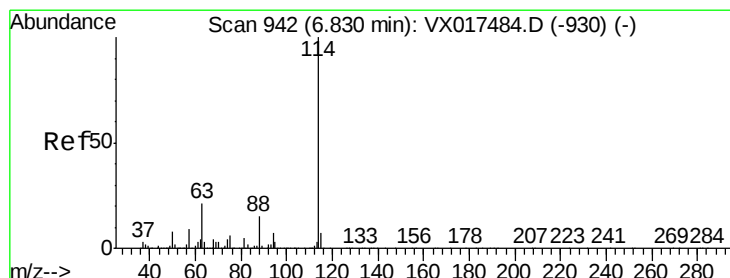
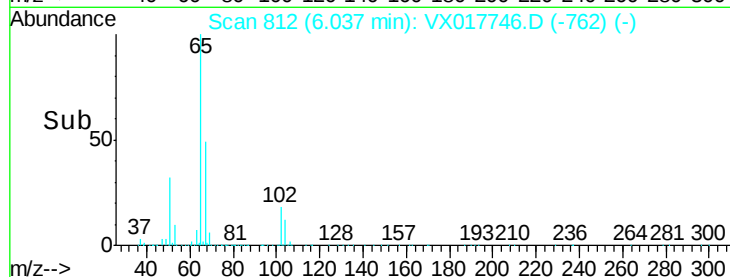
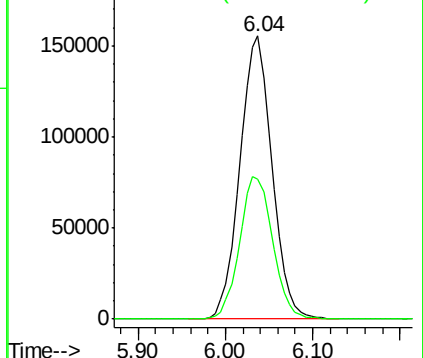
65 100

67 51.9 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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017746.D

Acq: 03 Aug 2020 15:23

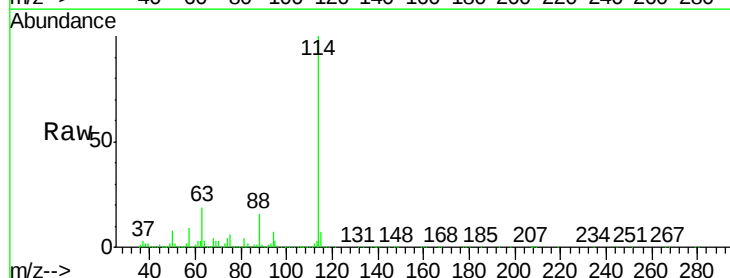
Tgt Ion: 114 Resp: 929222

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.6

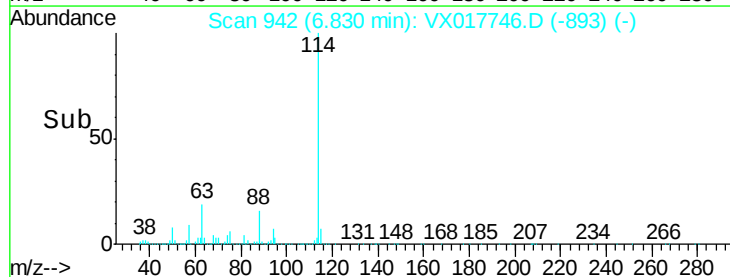
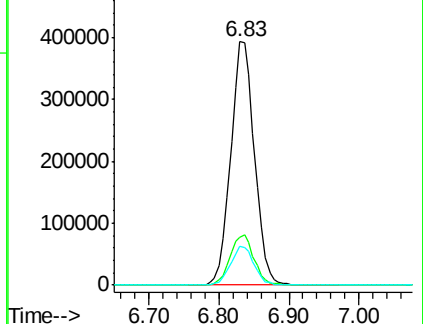
88 15.9 0.0 33.4

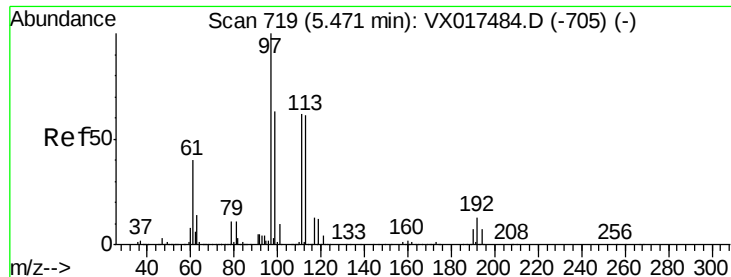


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.821 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017746.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-153-155

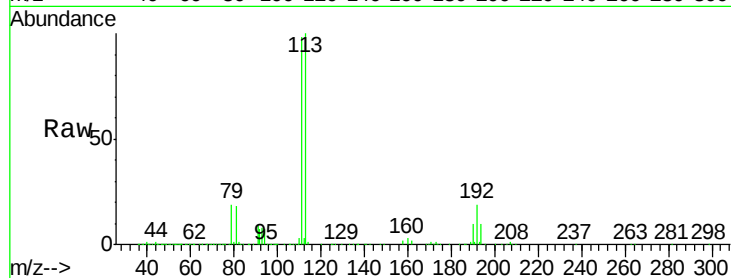
Tot Ion:113 Resp: 315837

Ion Ratio Lower Upper

113 100

111 101.1 80.7 121.1

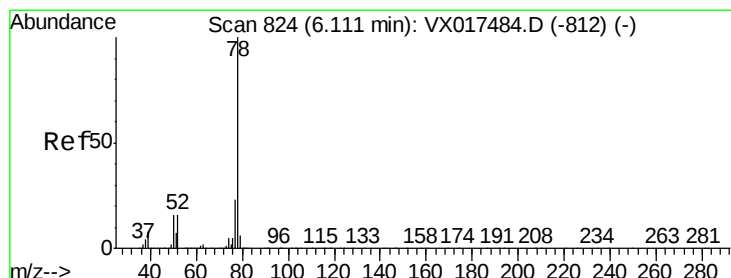
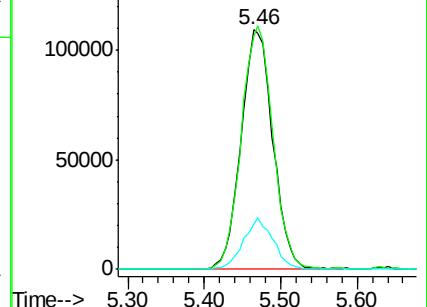
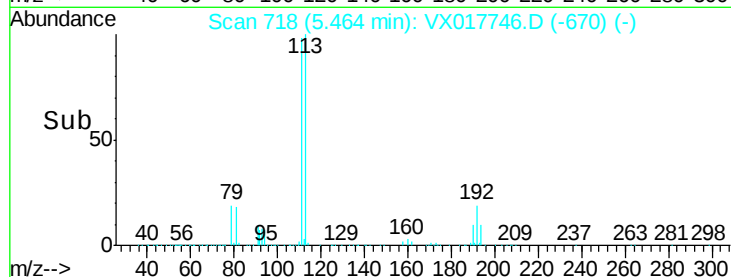
192 20.2 16.9 25.3



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: 0.683 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX017746.D

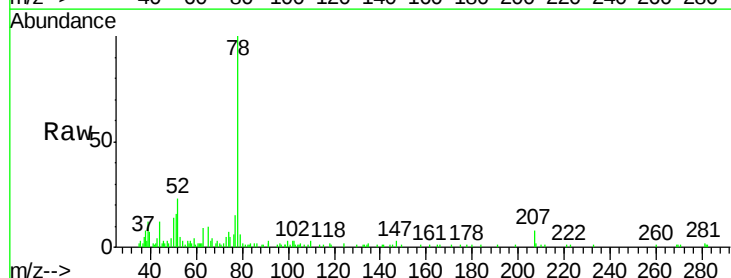
Acq: 03 Aug 2020 15:23

Tgt Ion: 78 Resp: 17457

Ion Ratio Lower Upper

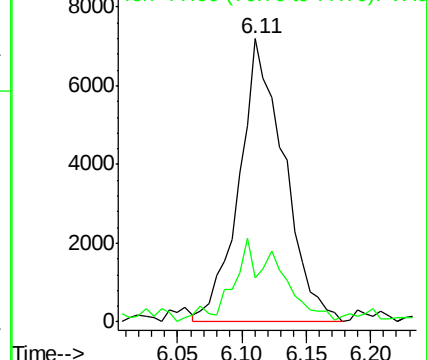
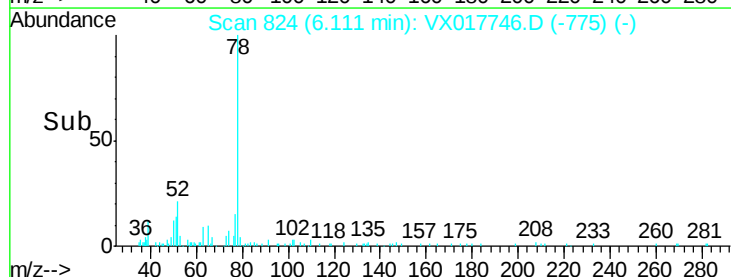
78 100

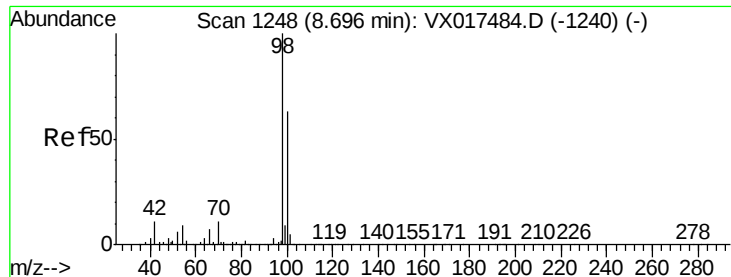
77 13.5 19.4 29.2#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 49.036 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017746.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

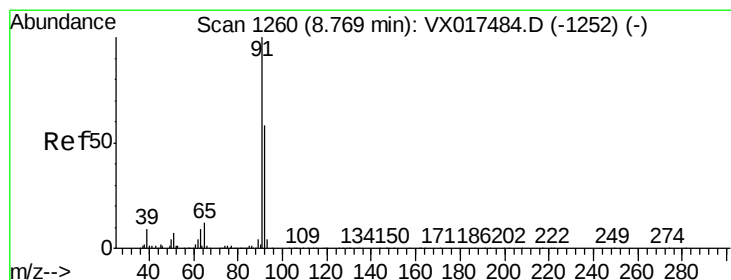
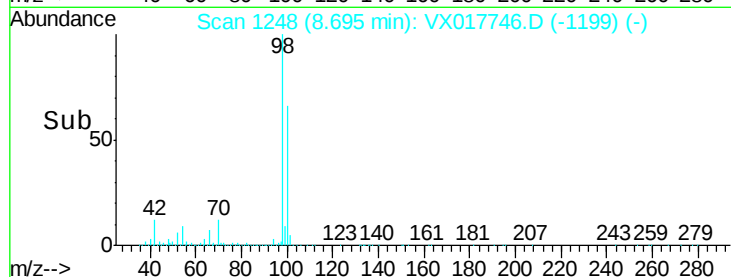
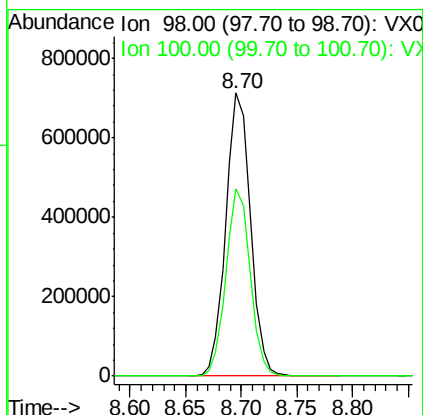
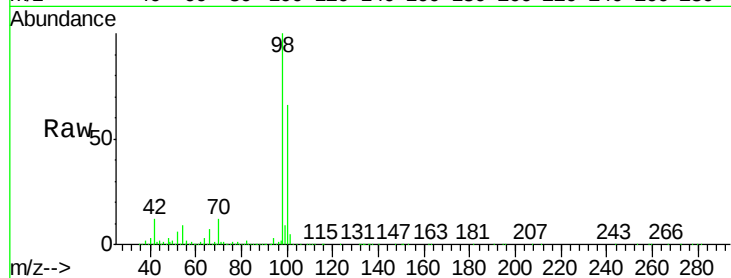
BP-VPB179-GW-153-155

Tot Ion: 98 Resp: 1099361

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5



#52

Toluene

Concen: 5.724 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX017746.D

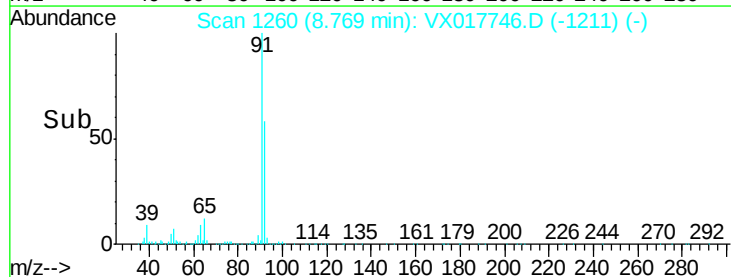
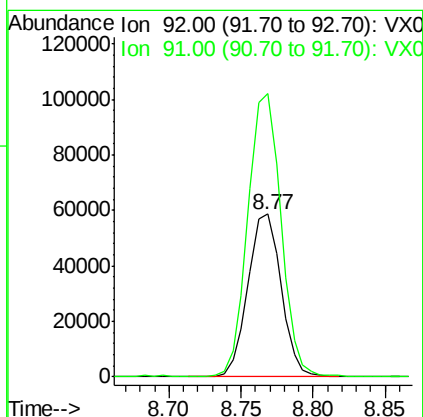
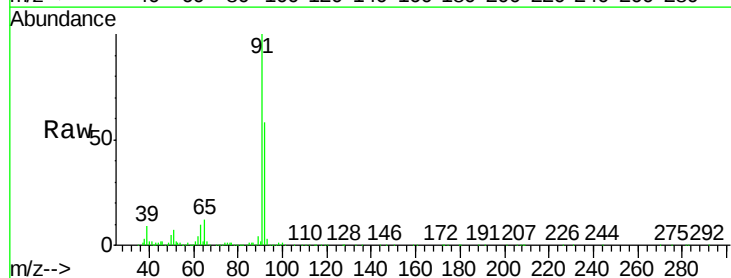
Acq: 03 Aug 2020 15:23

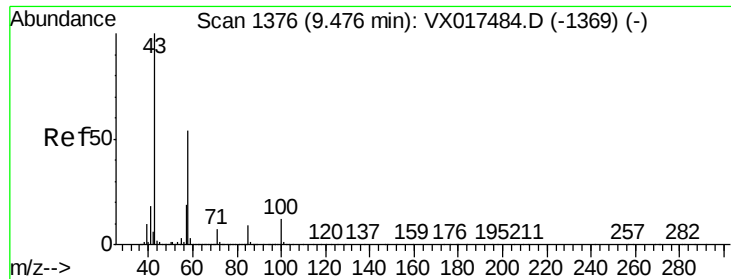
Tgt Ion: 92 Resp: 93789

Ion Ratio Lower Upper

92 100

91 173.4 137.6 206.4

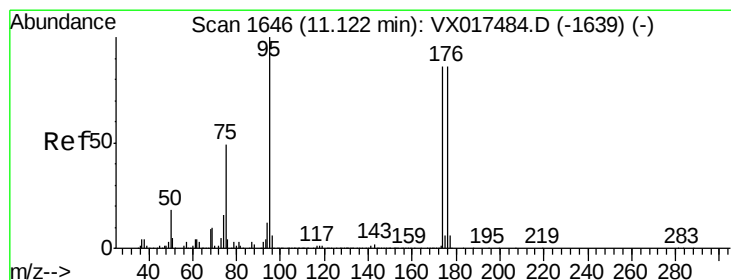
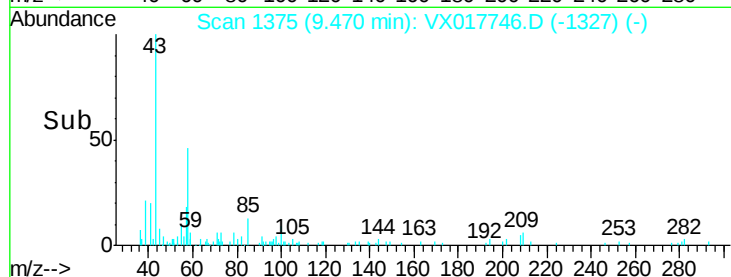
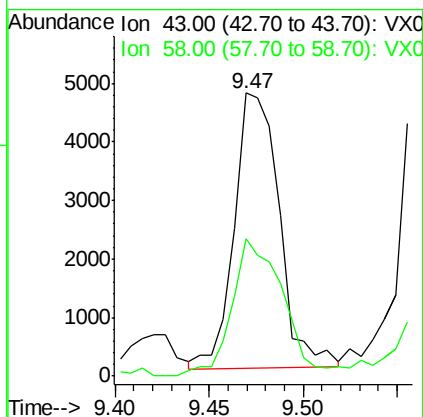
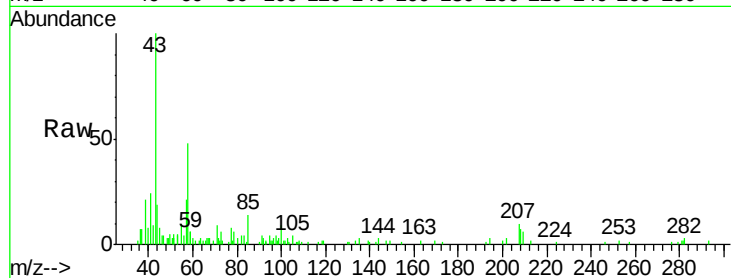




#59
2-Hexanone
Concen: 1.081 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX017746.D
Acq: 03 Aug 2020 15:23

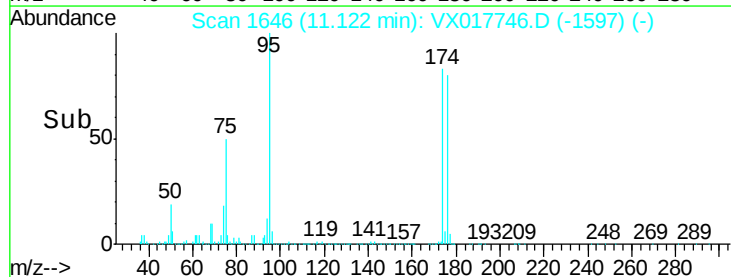
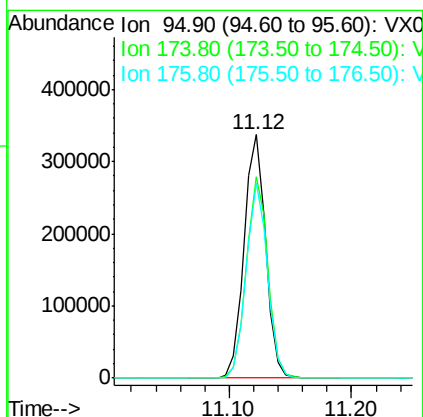
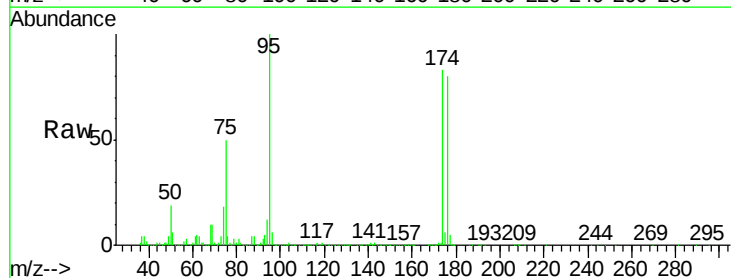
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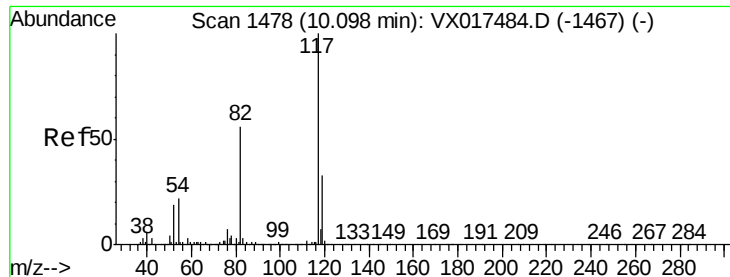
Tot Ion: 43 Resp: 7811
Ion Ratio Lower Upper
43 100
58 55.7 26.6 79.8



#62
4-Bromofluorobenzene
Concen: 45.757 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017746.D
Acq: 03 Aug 2020 15:23

Tgt Ion: 95 Resp: 410542
Ion Ratio Lower Upper
95 100
174 83.1 0.0 169.0
176 79.5 0.0 161.0

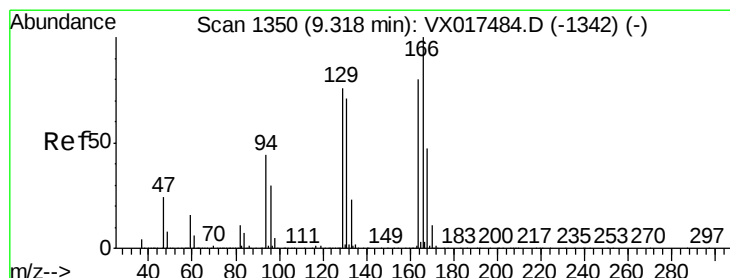
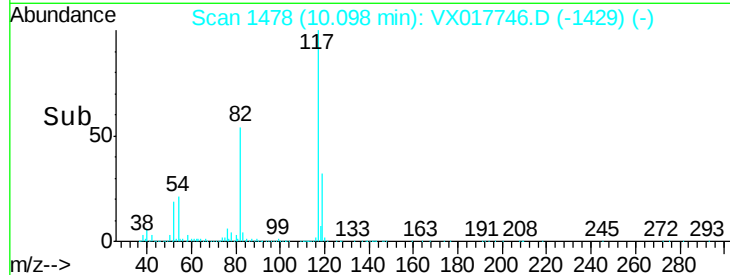
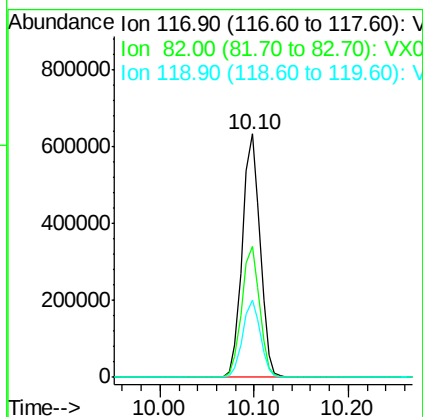
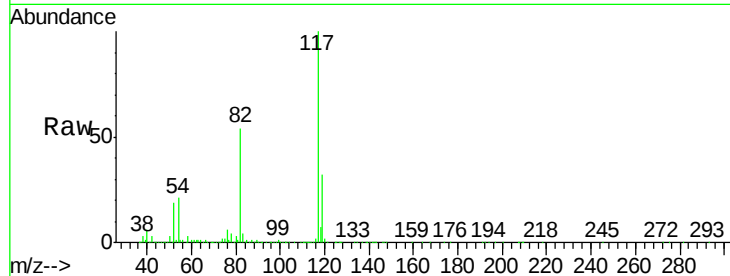




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017746.D
Acq: 03 Aug 2020 15:23

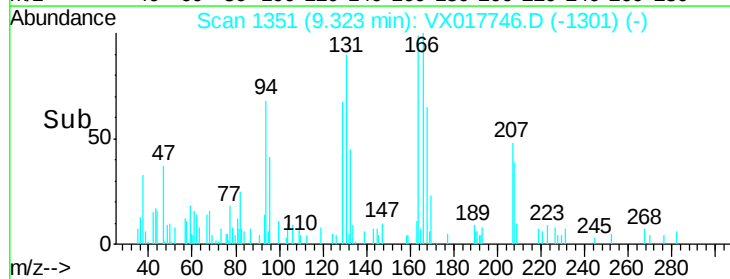
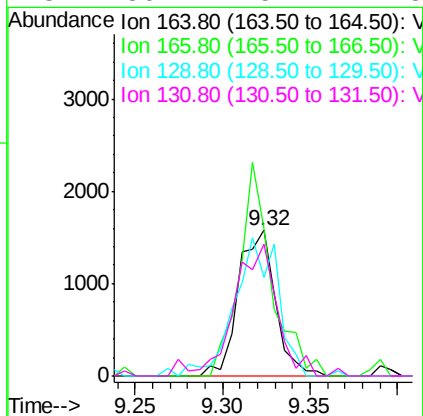
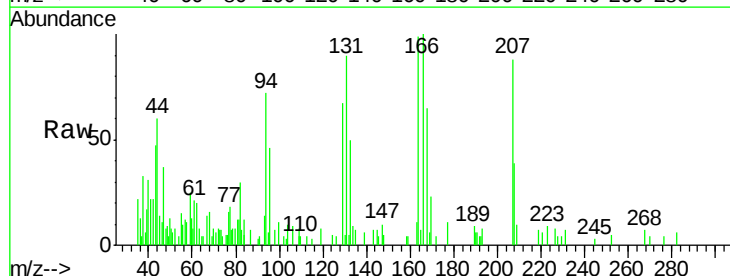
Instrument :
MSVOA_X
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BP-VPB179-GW-153-155

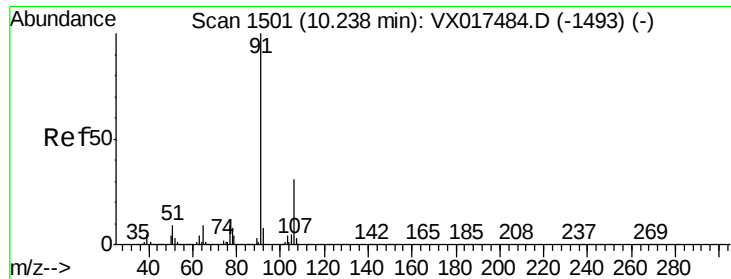
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.0	66.0
119	31.9	25.4	38.0



#64
Tetrachloroethene
Concen: 0.312 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX017746.D
Acq: 03 Aug 2020 15:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	100.8	100.6	150.8
129	63.6	75.0	112.6
131	86.7	75.2	112.8

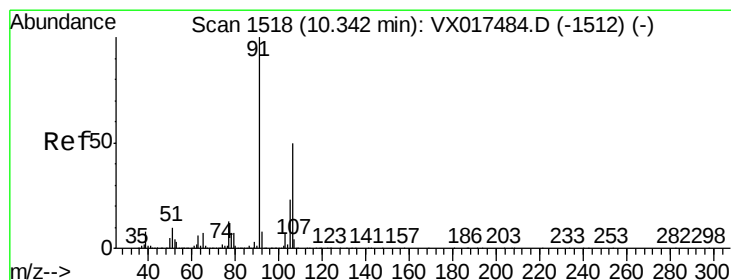
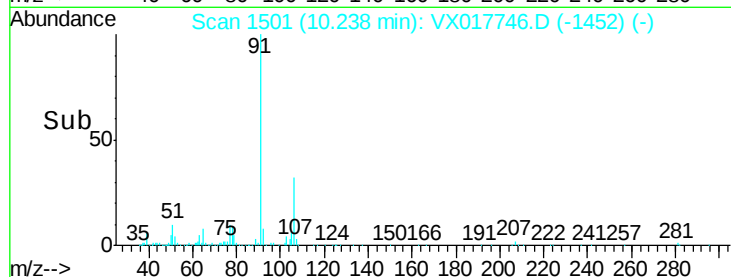
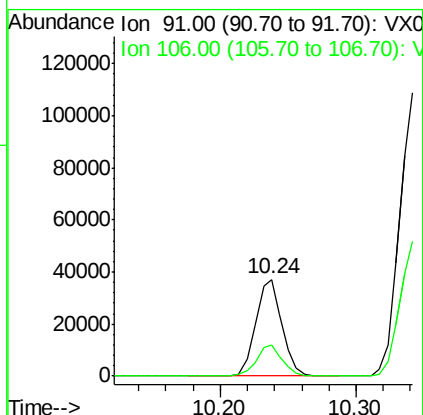
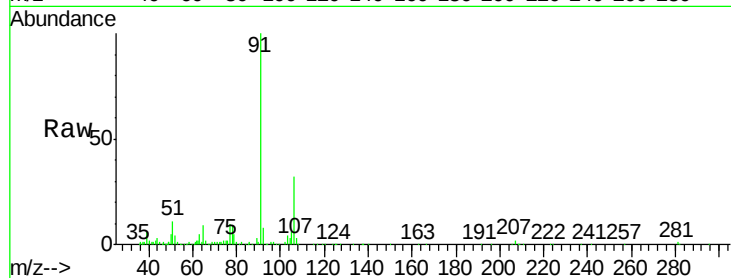




#67
Ethyl Benzene
Concen: 1.676 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX017746.D
Acq: 03 Aug 2020 15:23

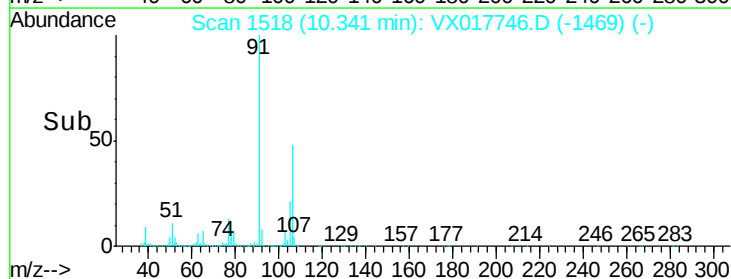
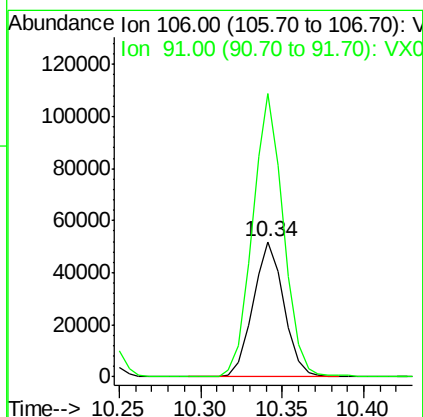
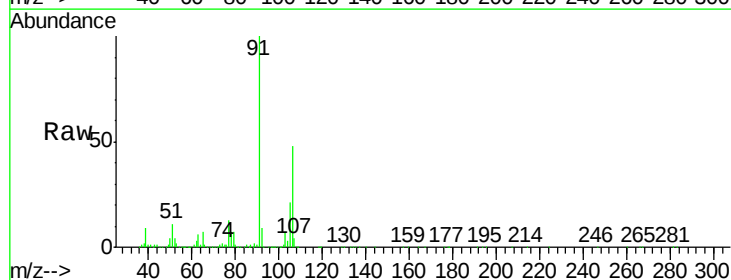
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-153-155

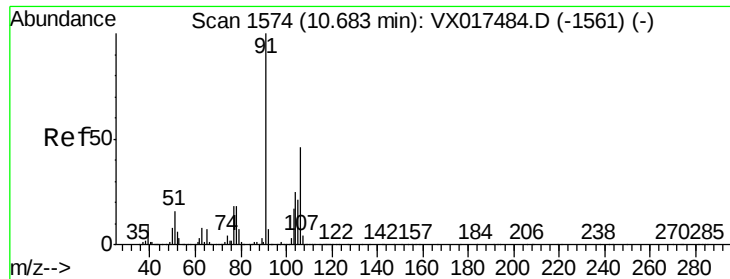
Tot Ion: 91 Resp: 50420
Ion Ratio Lower Upper
91 100
106 31.9 25.8 38.6



#68
m/p-Xylenes
Concen: 5.846 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017746.D
Acq: 03 Aug 2020 15:23

Tgt Ion: 106 Resp: 68142
Ion Ratio Lower Upper
106 100
91 209.9 160.9 241.3

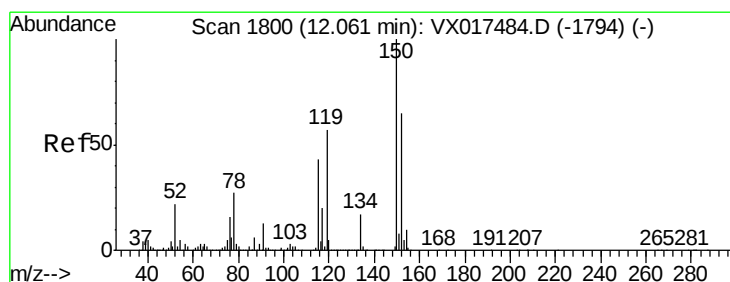
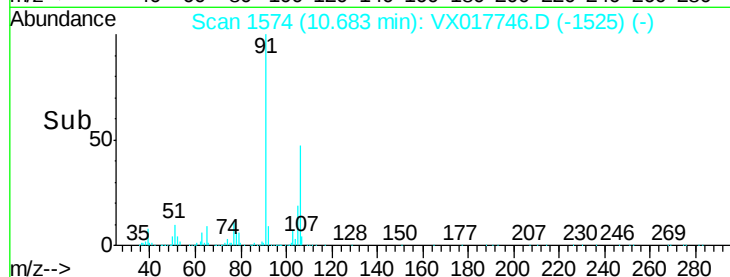
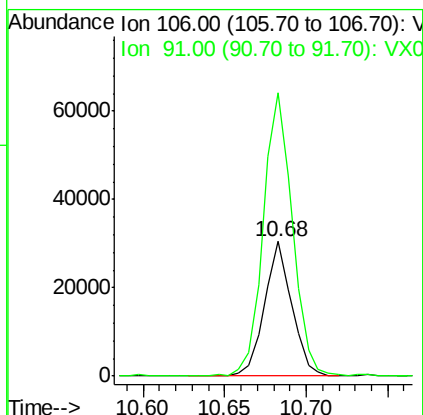
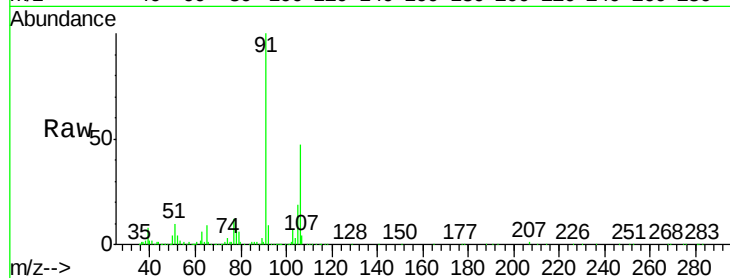




#69
o-Xylene
Concen: 3.162 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017746.D
Acq: 03 Aug 2020 15:23

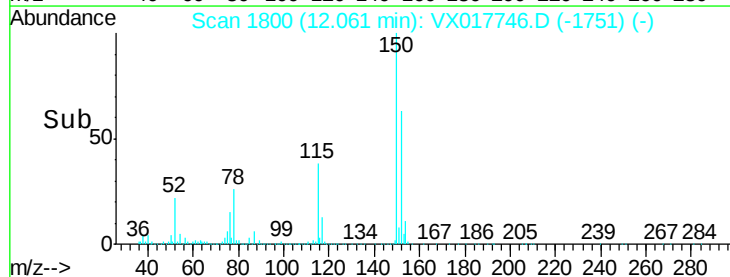
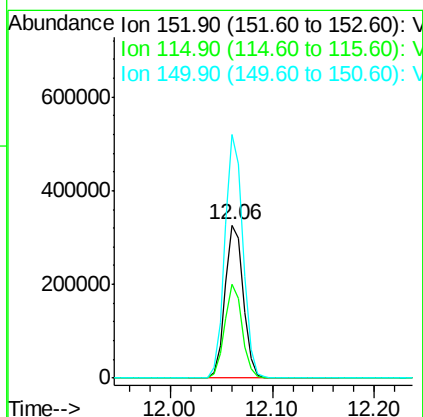
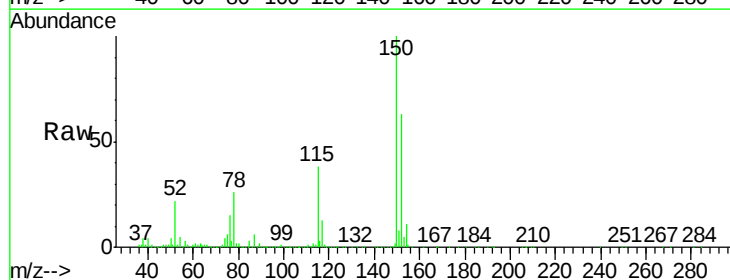
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-153-155

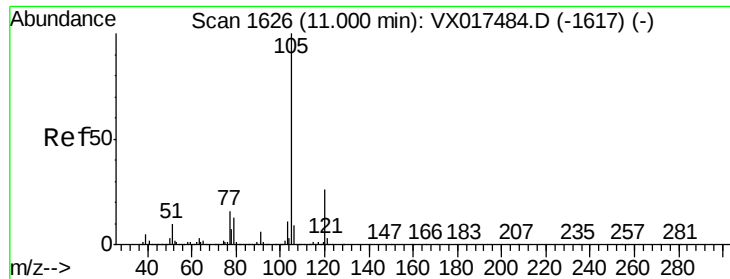
Tot Ion:106 Resp: 35448
Ion Ratio Lower Upper
106 100
91 222.7 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017746.D
Acq: 03 Aug 2020 15:23

Tgt Ion:152 Resp: 404945
Ion Ratio Lower Upper
152 100
115 58.7 65.5 196.6#
150 157.7 0.0 412.6





#73

Isopropylbenzene

Concen: 0.269 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017746.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

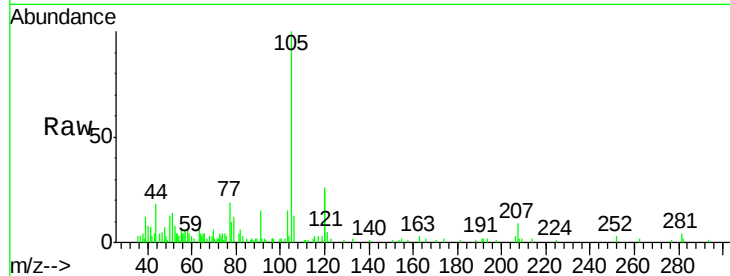
BP-VPB179-GW-153-155

Tot Ion: 105 Resp: 7460

Ion Ratio Lower Upper

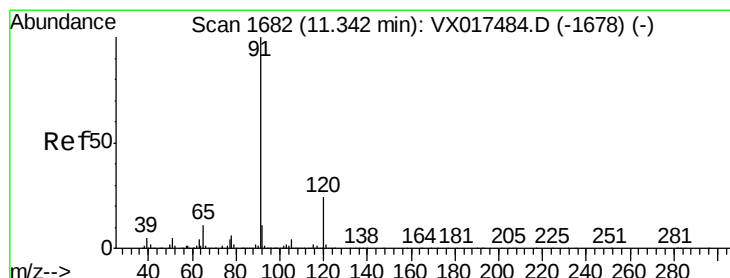
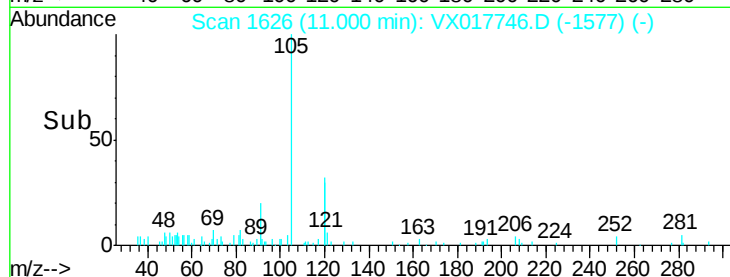
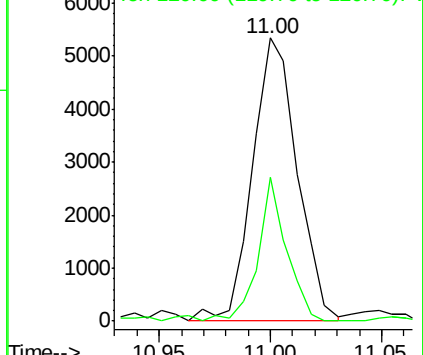
105 100

120 32.3 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: 0.719 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017746.D

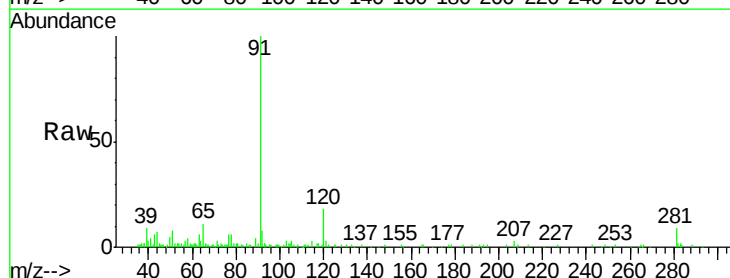
Acq: 03 Aug 2020 15:23

Tgt Ion: 91 Resp: 22533

Ion Ratio Lower Upper

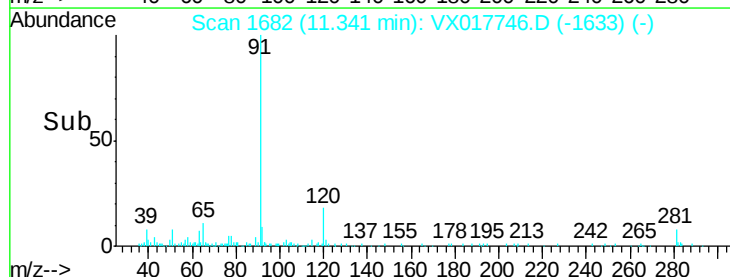
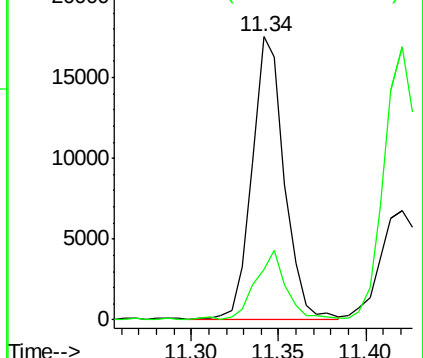
91 100

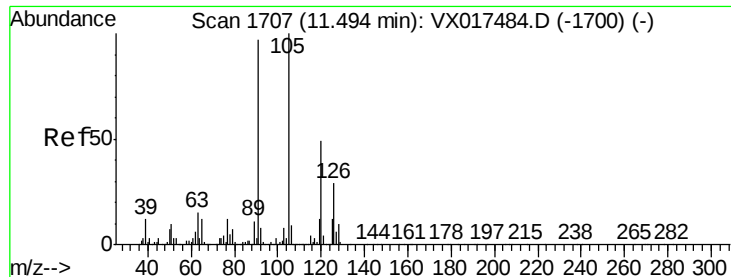
120 23.9 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.069 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017746.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

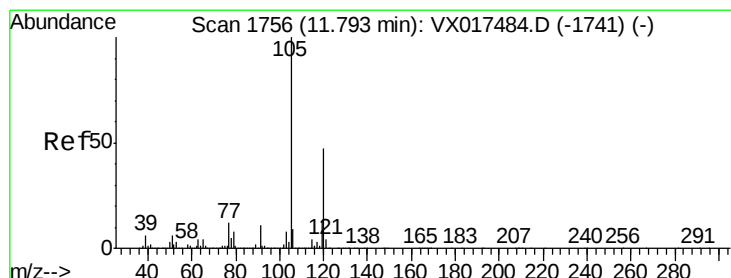
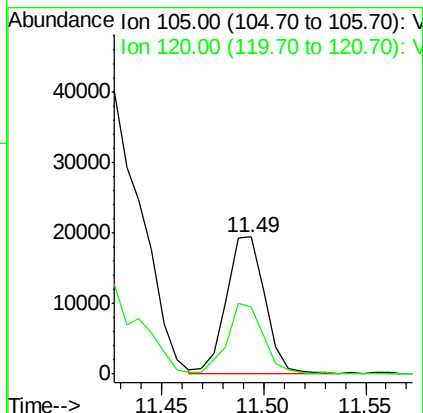
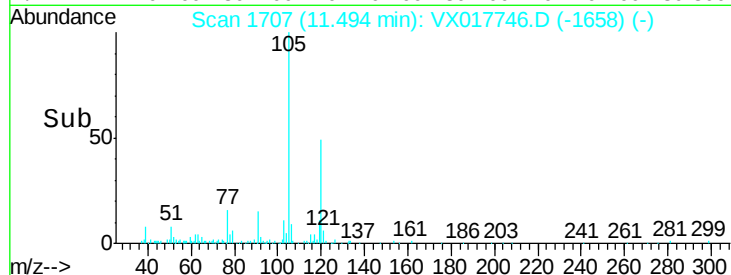
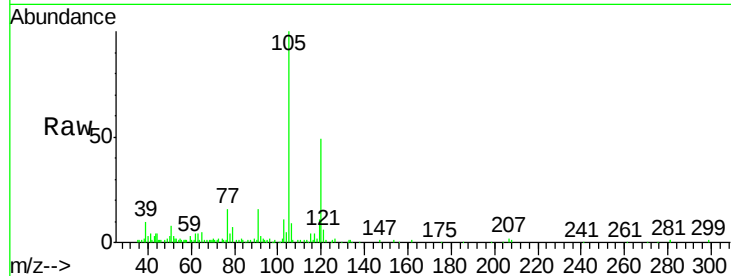
BP-VPB179-GW-153-155

Tot Ion:105 Resp: 25356

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 5.121 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017746.D

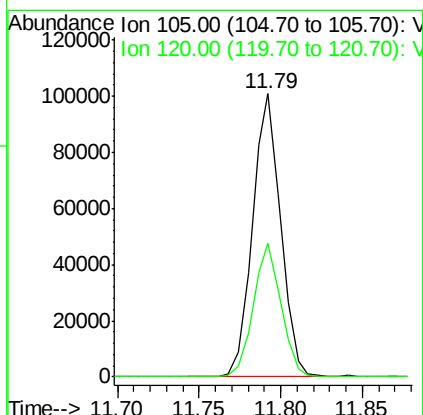
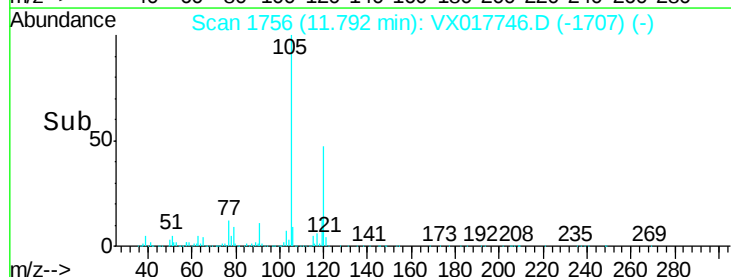
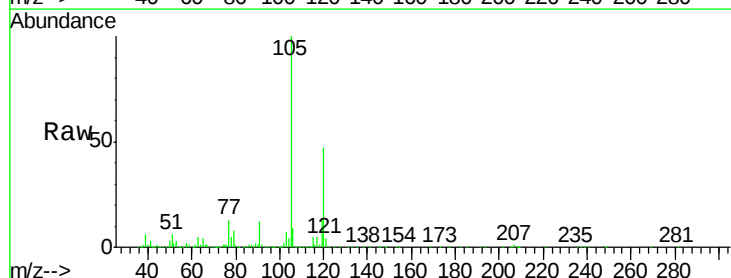
Acq: 03 Aug 2020 15:23

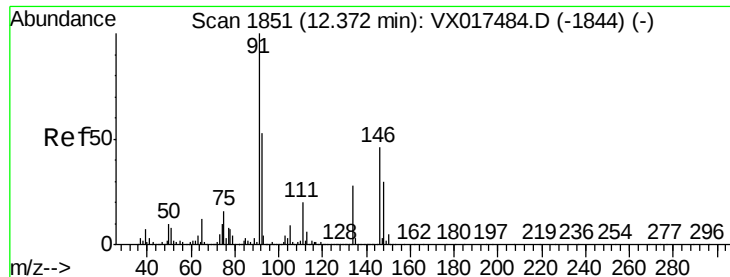
Tgt Ion:105 Resp: 120813

Ion Ratio Lower Upper

105 100

120 46.7 22.7 68.0

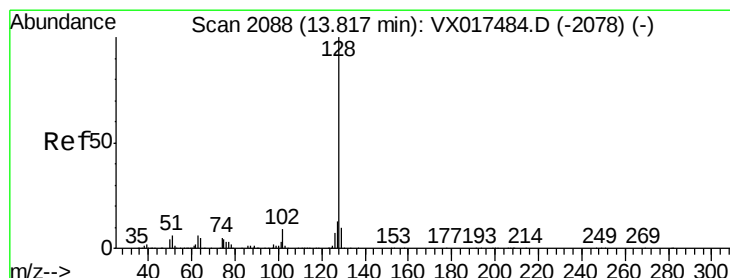
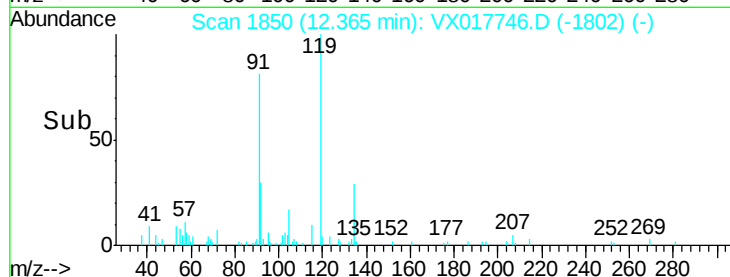
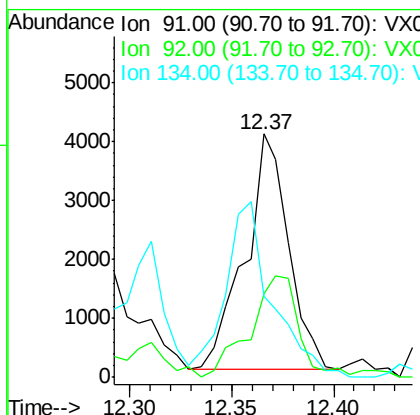
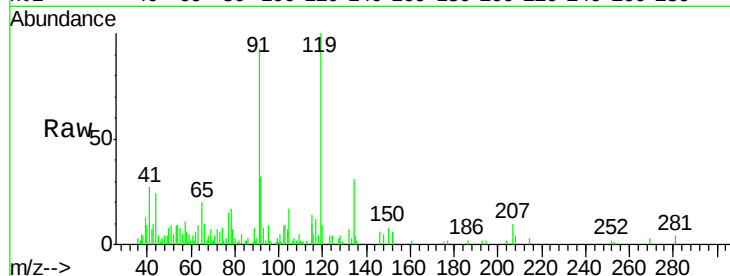




#89
n-Butylbenzene
Concen: 0.267 ug/l
RT: 12.37 min Scan# 1850
Delta R.T. -0.01 min
Lab File: VX017746.D
Acq: 03 Aug 2020 15:23

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-153-155

Tot Ion: 91 Resp: 5987
Ion Ratio Lower Upper
91 100
92 48.2 26.7 80.1
134 78.3 13.6 40.7#



#95
Naphthalene
Concen: 0.262 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017746.D
Acq: 03 Aug 2020 15:23

Tgt Ion: 128 Resp: 6997
Ion Ratio Lower Upper
128 100
127 21.4 10.4 15.6#
129 14.4 8.9 13.3#

