

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017712.D
 Acq On : 31 Jul 2020 19:18
 Operator : JC/SP
 Sample : L3526-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Aug 01 04:22:16 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	445453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	770799	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	825134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	440313	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	318004	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	
35) Dibromofluoromethane	5.47	113	267185	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
50) Toluene-d8	8.70	98	954749	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.12	95	434132	58.33	ug/l	0.00
Spiked Amount			Recovery	=	116.66%	

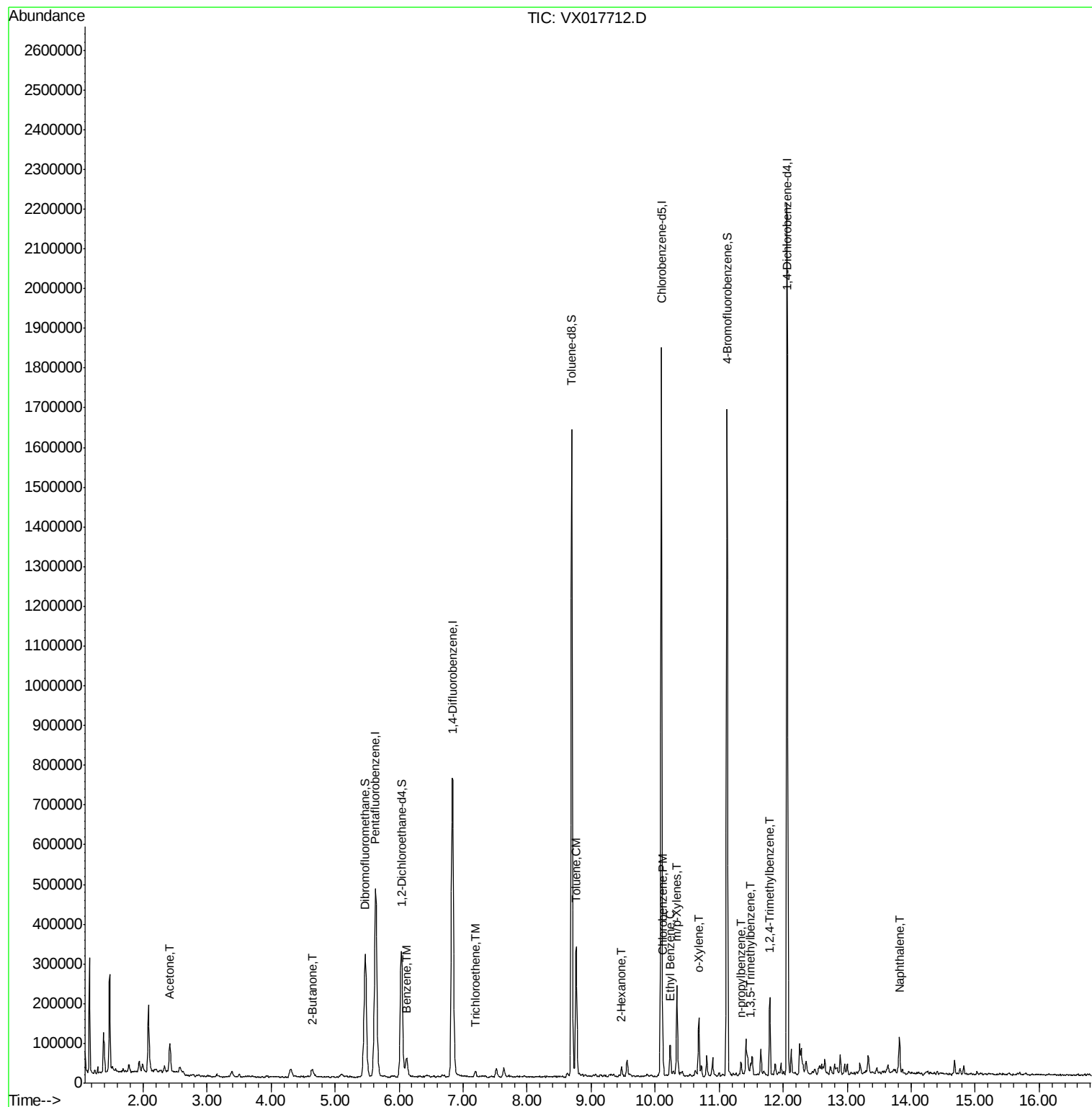
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.42	43	76118	30.224	ug/l	93
25) 2-Butanone	4.64	43	33054	9.239	ug/l	96
40) Benzene	6.12	78	57144	2.696	ug/l	97
44) Trichloroethene	7.19	130	5956	0.962	ug/l	99
52) Toluene	8.77	92	119877	8.819	ug/l	100
59) 2-Hexanone	9.48	43	14346	2.393	ug/l	98
65) Chlorobenzene	10.12	112	16195	0.907	ug/l	96
67) Ethyl Benzene	10.24	91	43393	1.455	ug/l	96
68) m/p-Xylenes	10.34	106	51770	4.482	ug/l	96
69) o-Xylene	10.68	106	31312	2.819	ug/l	98
78) n-propylbenzene	11.35	91	15218	0.447	ug/l	96
80) 1,3,5-Trimethylbenzene	11.49	105	12641	0.490	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	82632	3.221	ug/l	96
95) Naphthalene	13.82	128	53569	1.842	ug/l	97

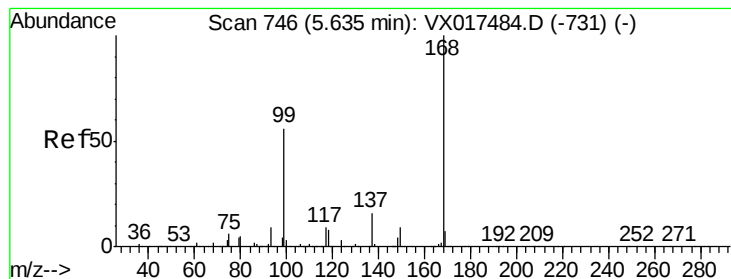
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017712.D

Acq: 31 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

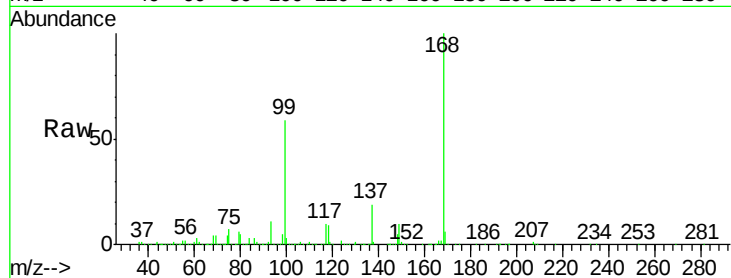
BP-VPB179-GW-58-60

Tot Ion:168 Resp: 445453

Ion Ratio Lower Upper

168 100

99 59.3 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

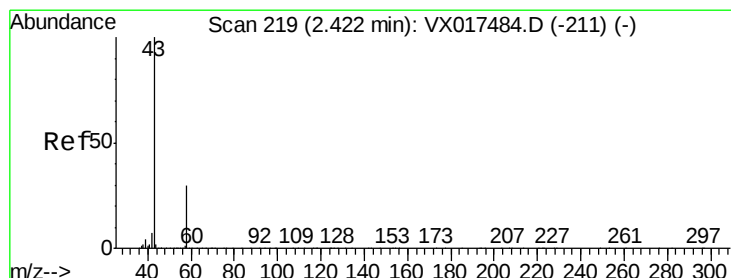
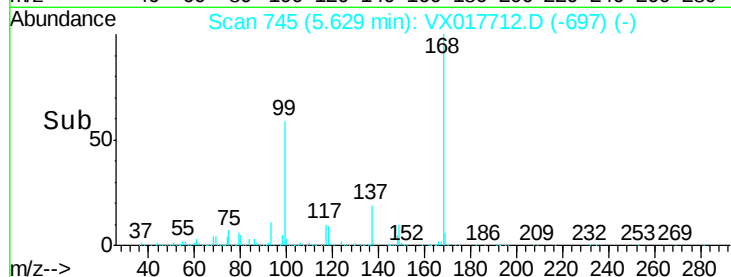
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 30.224 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017712.D

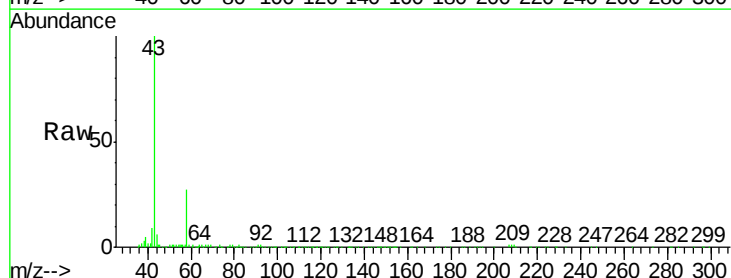
Acq: 31 Jul 2020 19:18

Tgt Ion: 43 Resp: 76118

Ion Ratio Lower Upper

43 100

58 26.6 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

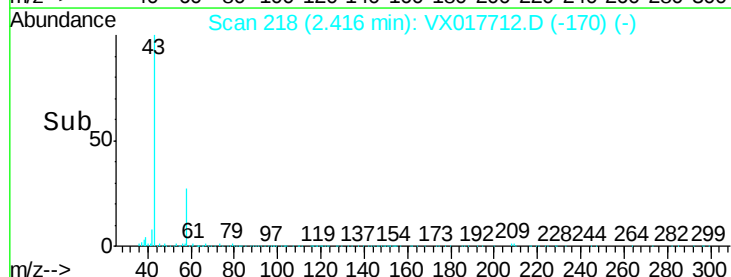
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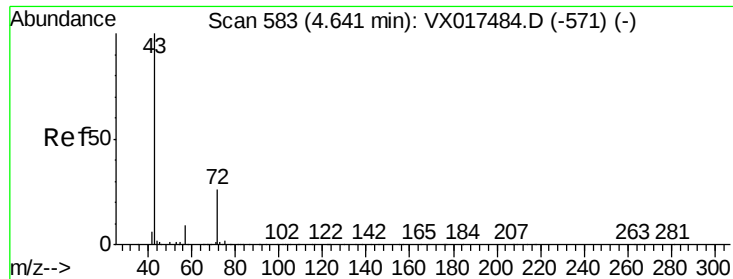
20000

10000

0

Time-->





#25

2-Butanone

Concen: 9.239 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX017712.D

Acq: 31 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

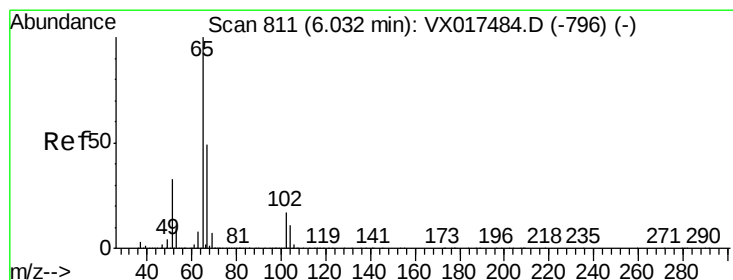
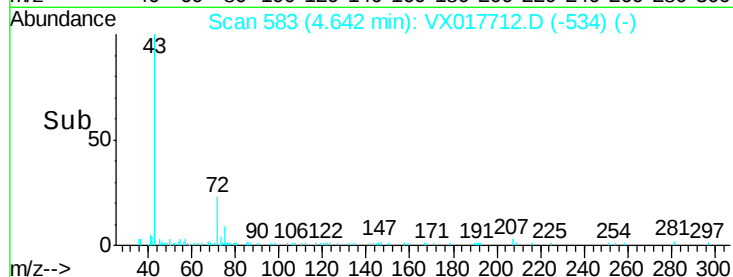
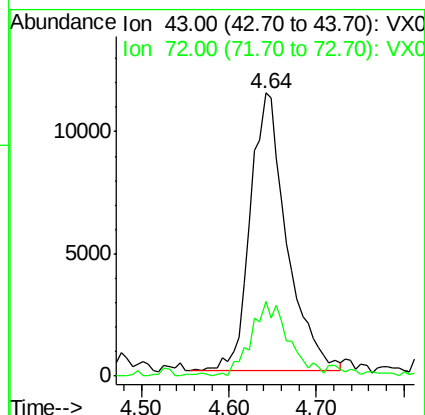
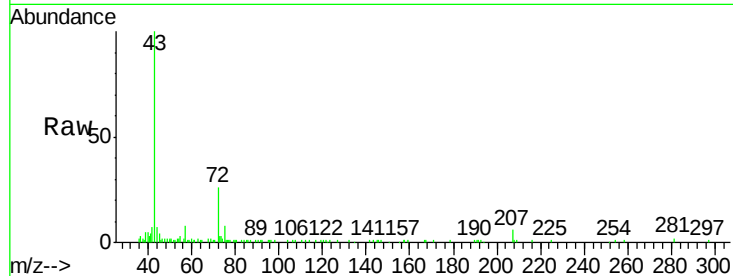
BP-VPB179-GW-58-60

Tot Ion: 43 Resp: 33054

Ion Ratio Lower Upper

43 100

72 25.8 19.0 28.4



#33

1,2-Dichloroethane-d4

Concen: 55.575 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017712.D

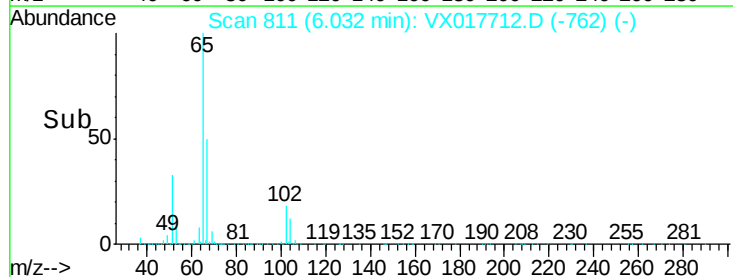
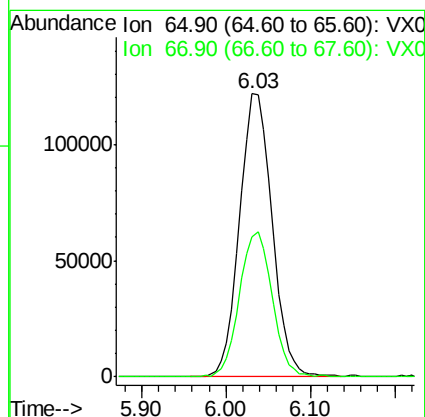
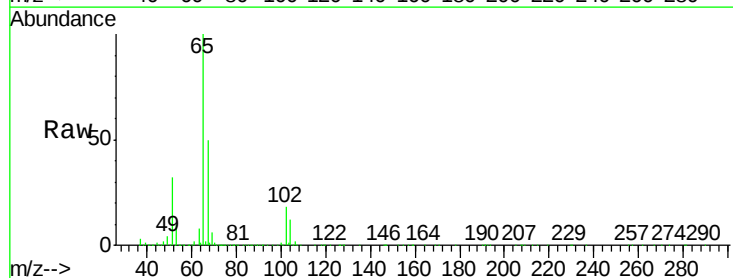
Acq: 31 Jul 2020 19:18

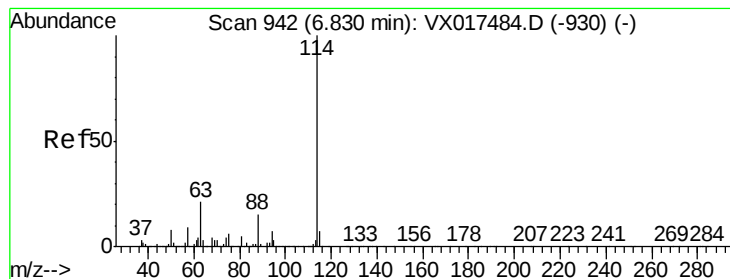
Tgt Ion: 65 Resp: 318004

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017712.D

Acq: 31 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-58-60

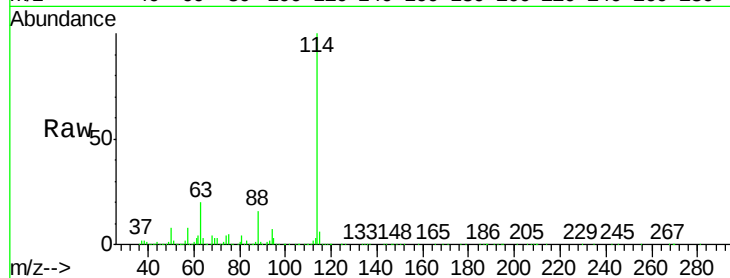
Tot Ion:114 Resp: 770799

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.6

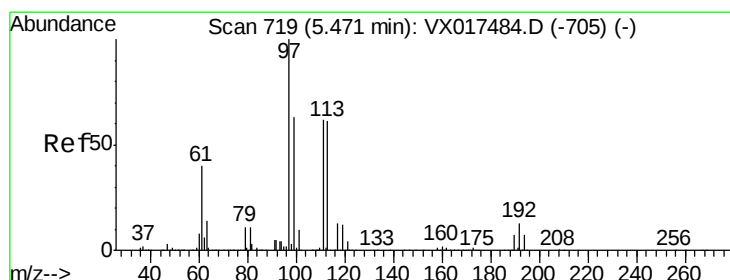
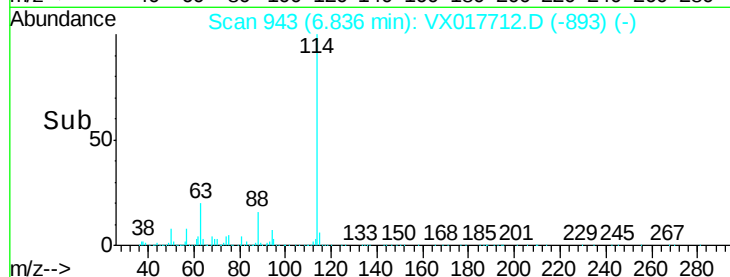
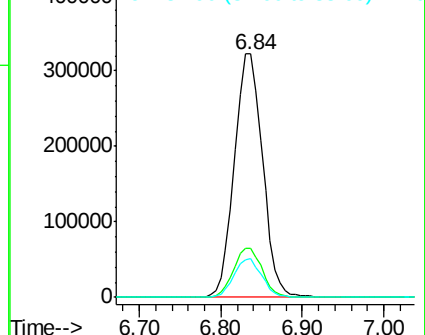
88 15.8 0.0 33.4



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: 51.829 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017712.D

Acq: 31 Jul 2020 19:18

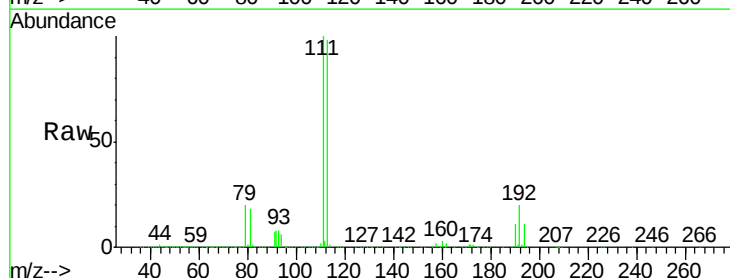
Tgt Ion:113 Resp: 267185

Ion Ratio Lower Upper

113 100

111 101.6 80.7 121.1

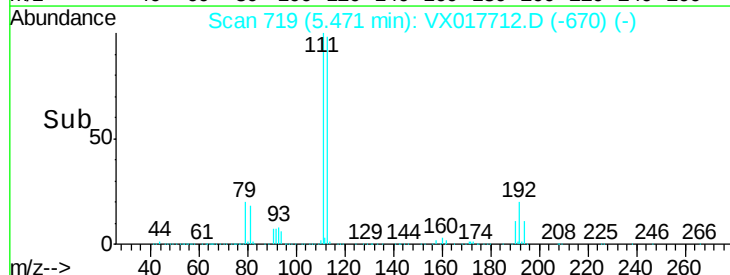
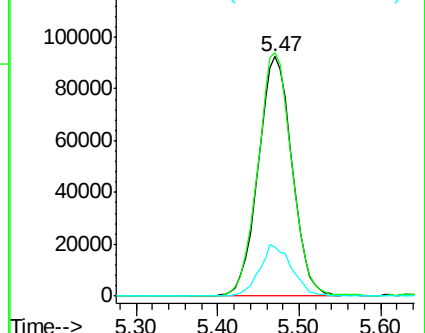
192 20.5 16.9 25.3

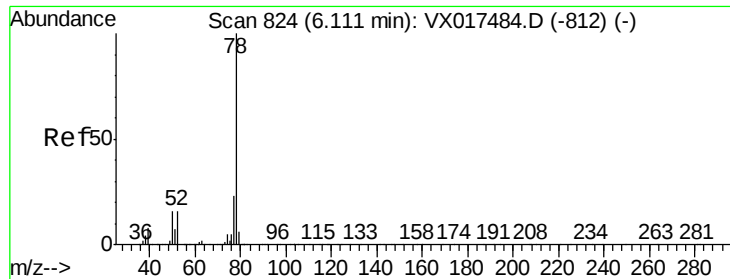


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 2.696 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX017712.D

Acq: 31 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

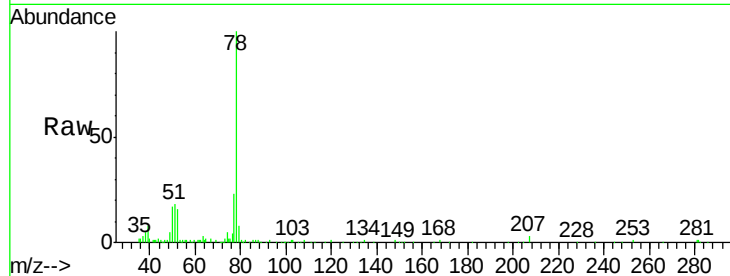
BP-VPB179-GW-58-60

Tot Ion: 78 Resp: 57144

Ion Ratio Lower Upper

78 100

77 22.6 19.4 29.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

25000

20000

15000

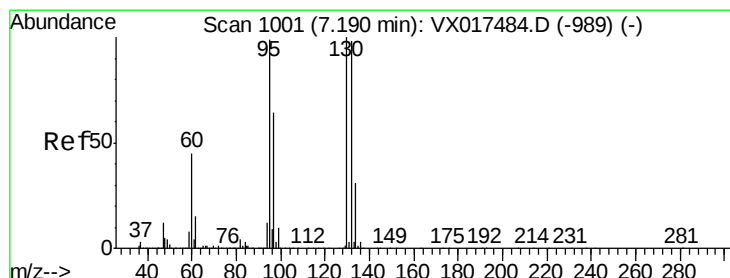
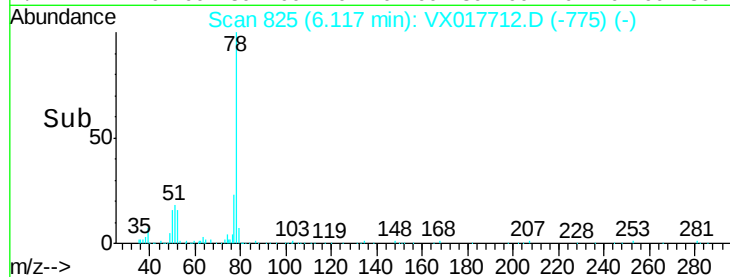
10000

5000

0

6.00 6.10 6.20

Time-->



#44

Trichloroethene

Concen: 0.962 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017712.D

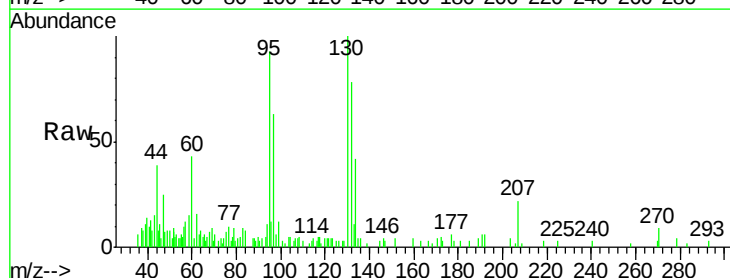
Acq: 31 Jul 2020 19:18

Tgt Ion:130 Resp: 5956

Ion Ratio Lower Upper

130 100

95 93.4 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

3000

2500

2000

1500

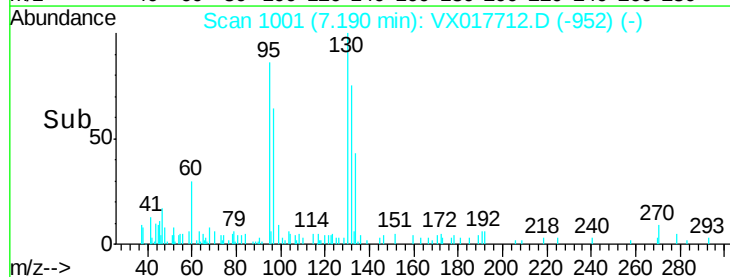
1000

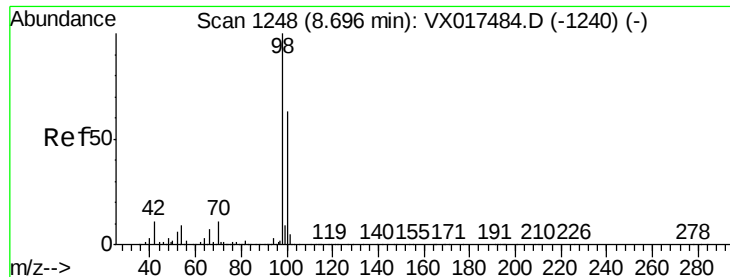
500

0

7.10 7.15 7.20 7.25 7.30

Time-->





#50

Toluene-d8

Concen: 51.339 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017712.D

Acq: 31 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

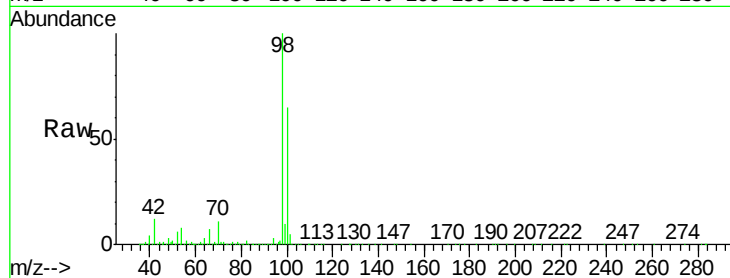
BP-VPB179-GW-58-60

Tot Ion: 98 Resp: 954749

Ion Ratio Lower Upper

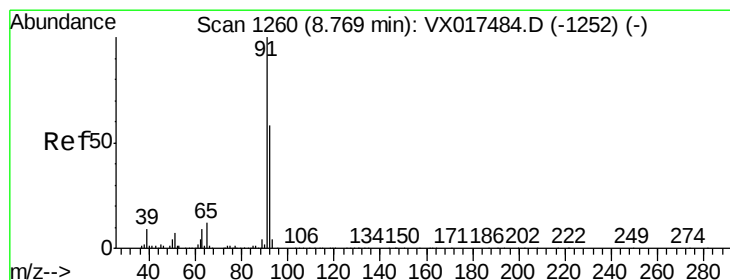
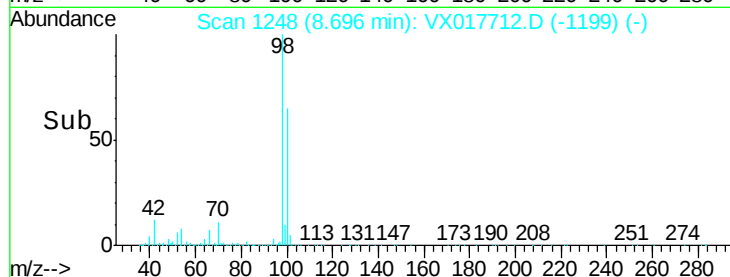
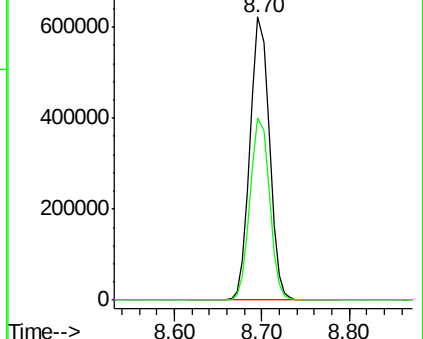
98 100

100 64.4 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: 8.819 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX017712.D

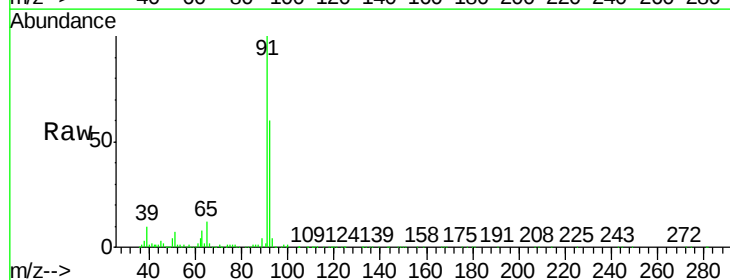
Acq: 31 Jul 2020 19:18

Tgt Ion: 92 Resp: 119877

Ion Ratio Lower Upper

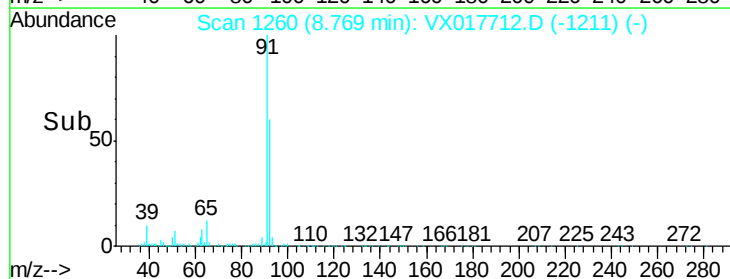
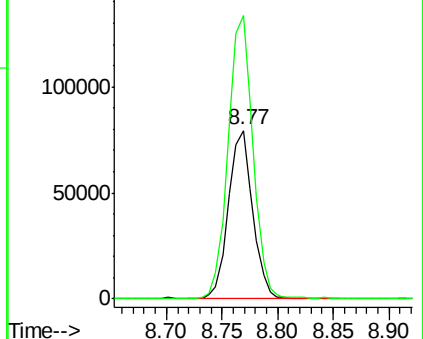
92 100

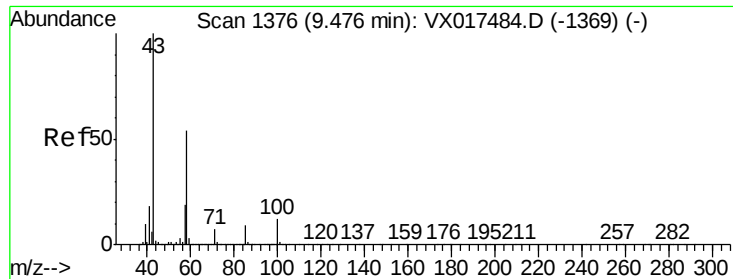
91 171.7 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

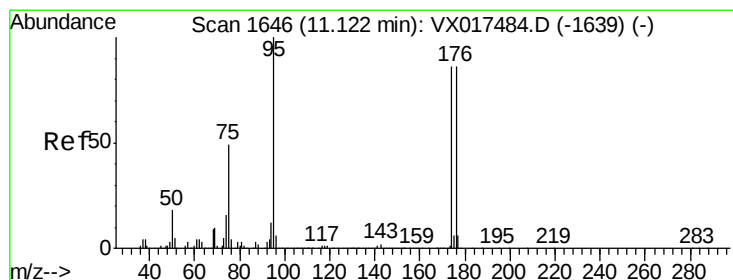
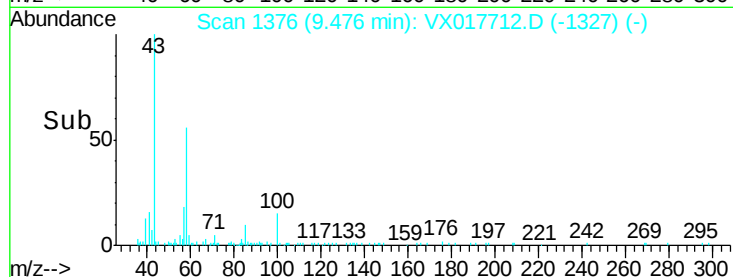
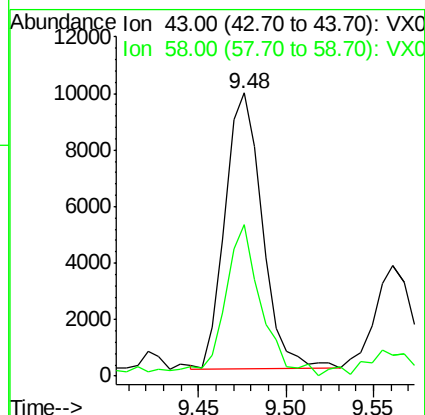
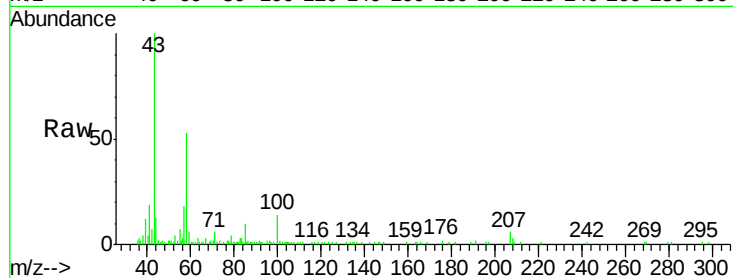




#59
2-Hexanone
Concen: 2.393 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX017712.D
Acq: 31 Jul 2020 19:18

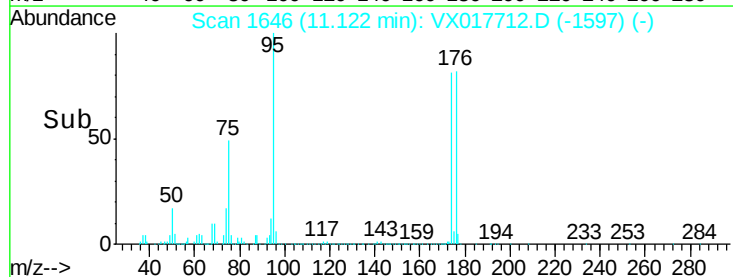
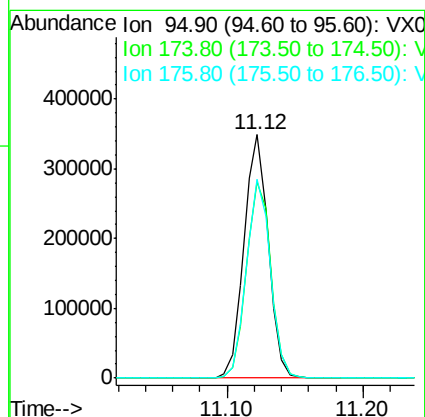
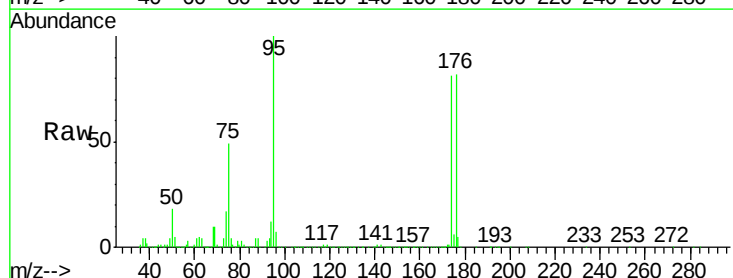
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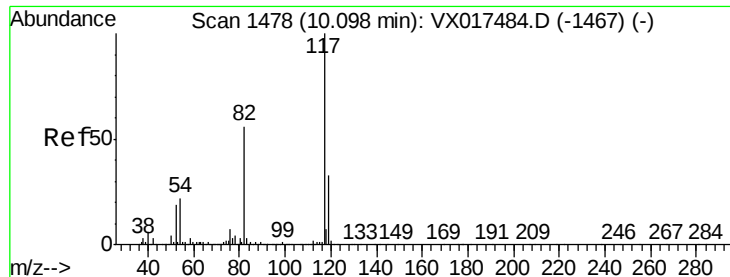
Tot Ion: 43 Resp: 14346
Ion Ratio Lower Upper
43 100
58 54.3 26.6 79.8



#62
4-Bromofluorobenzene
Concen: 58.331 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017712.D
Acq: 31 Jul 2020 19:18

Tgt Ion: 95 Resp: 434132
Ion Ratio Lower Upper
95 100
174 81.9 0.0 169.0
176 81.1 0.0 161.0

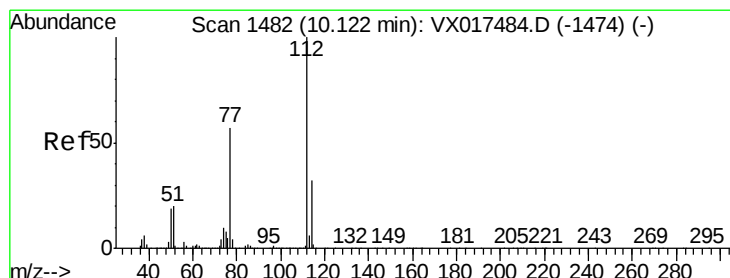
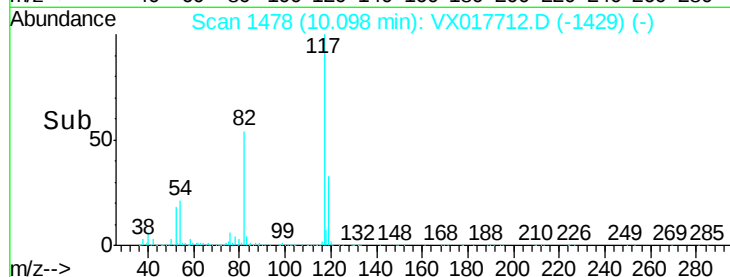
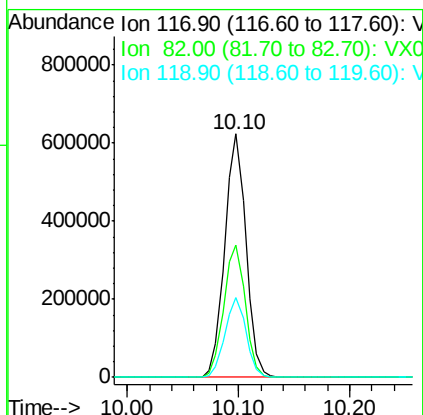
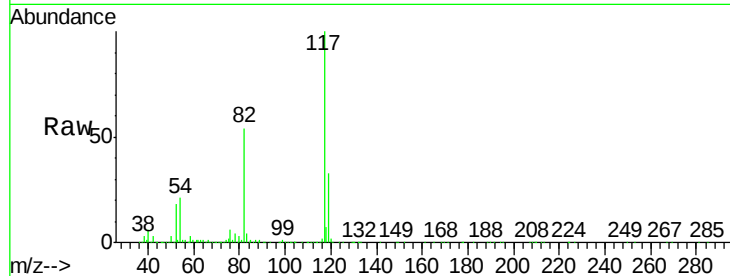




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017712.D
Acq: 31 Jul 2020 19:18

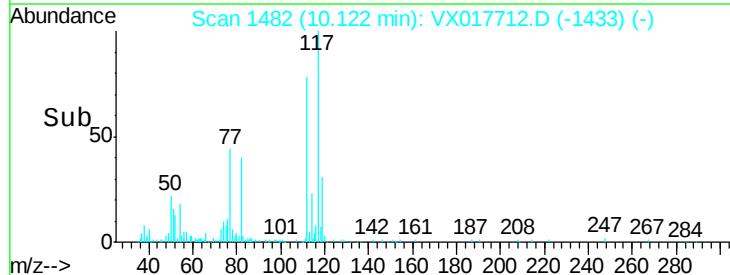
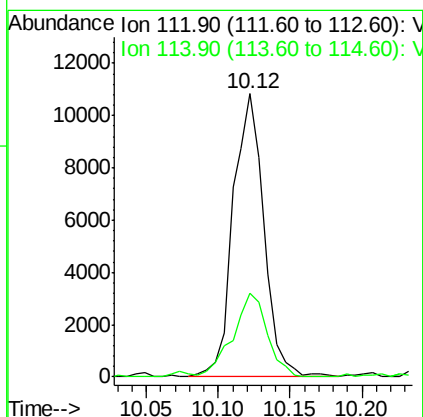
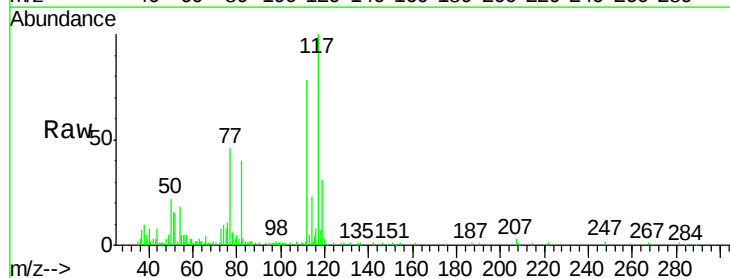
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-58-60

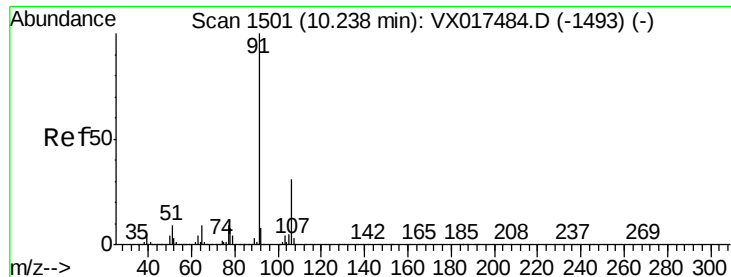
Tot Ion:117 Resp: 825134
Ion Ratio Lower Upper
117 100
82 54.3 44.0 66.0
119 32.7 25.4 38.0



#65
Chlorobenzene
Concen: 0.907 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX017712.D
Acq: 31 Jul 2020 19:18

Tgt Ion:112 Resp: 16195
Ion Ratio Lower Upper
112 100
114 29.8 25.7 38.5





#67

Ethyl Benzene

Concen: 1.455 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX017712.D

Acq: 31 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

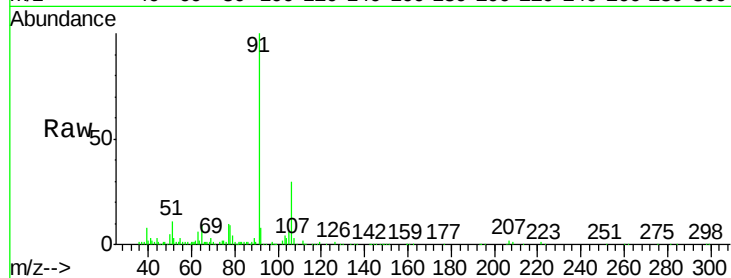
BP-VPB179-GW-58-60

Tot Ion: 91 Resp: 43393

Ion Ratio Lower Upper

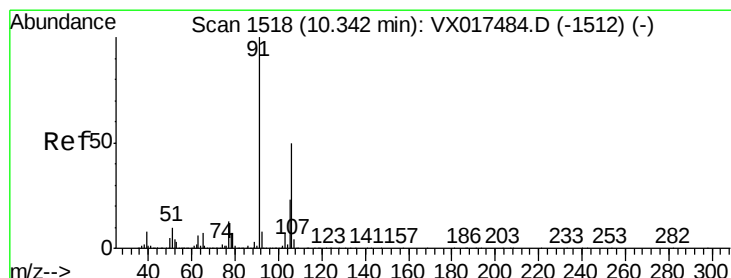
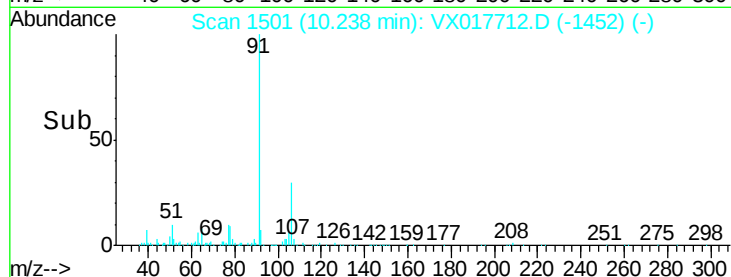
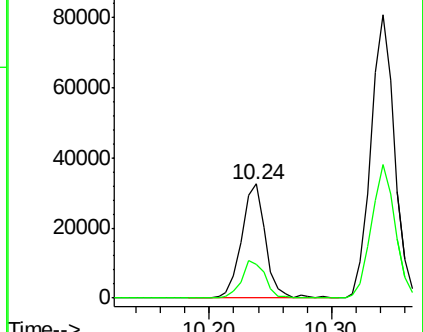
91 100

106 30.1 25.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 4.482 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017712.D

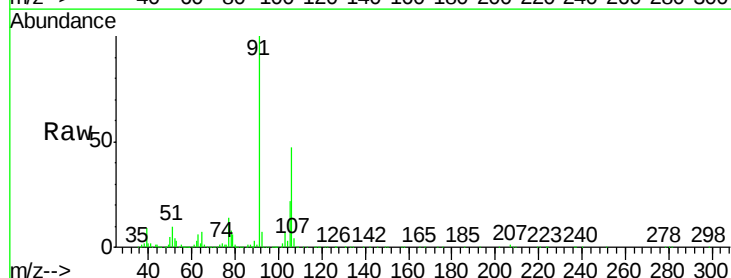
Acq: 31 Jul 2020 19:18

Tgt Ion: 106 Resp: 51770

Ion Ratio Lower Upper

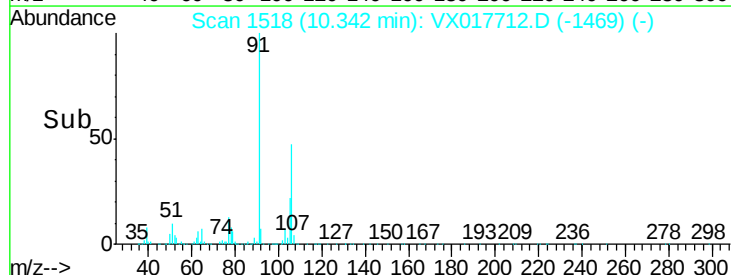
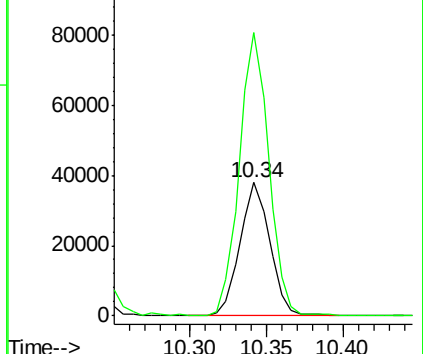
106 100

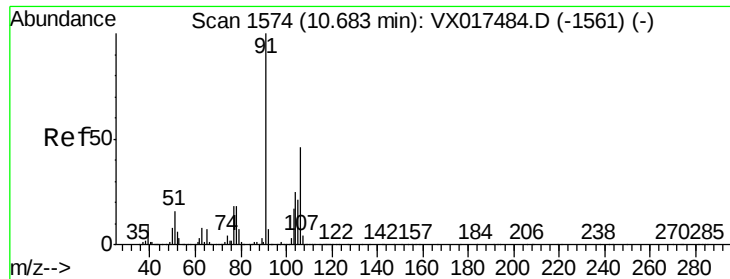
91 207.8 160.9 241.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

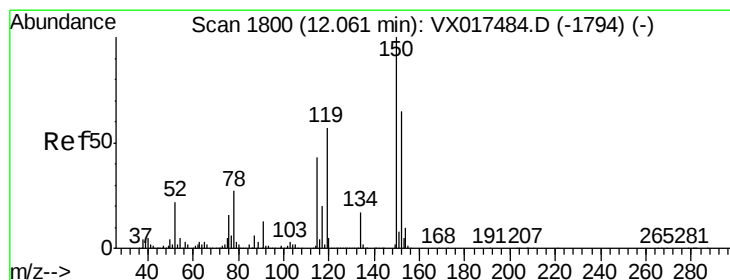
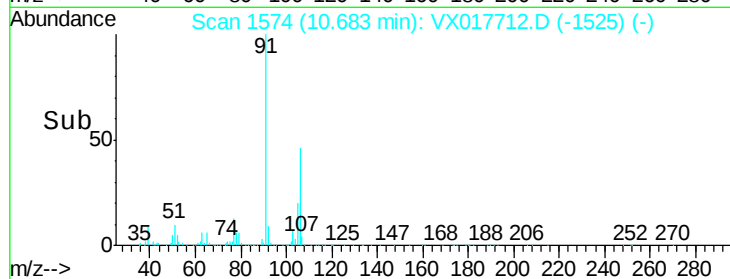
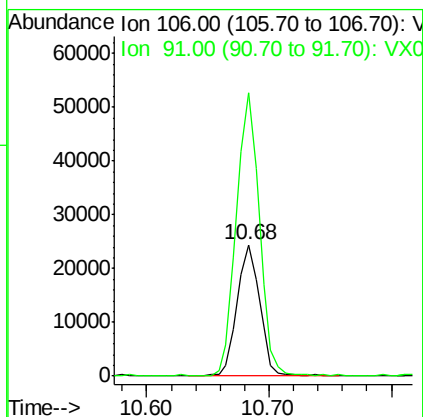
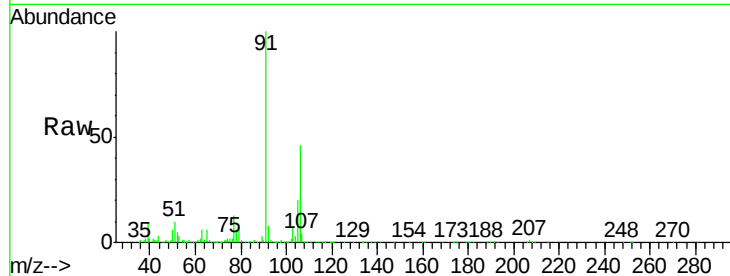




#69
o-Xylene
Concen: 2.819 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017712.D
Acq: 31 Jul 2020 19:18

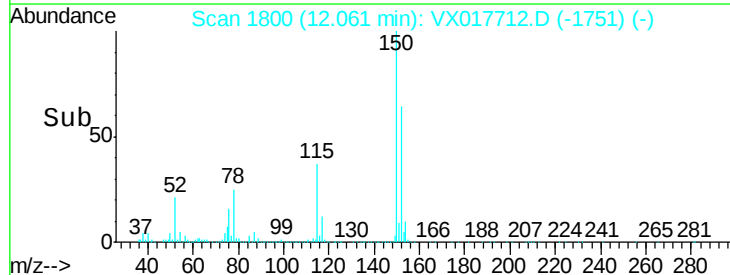
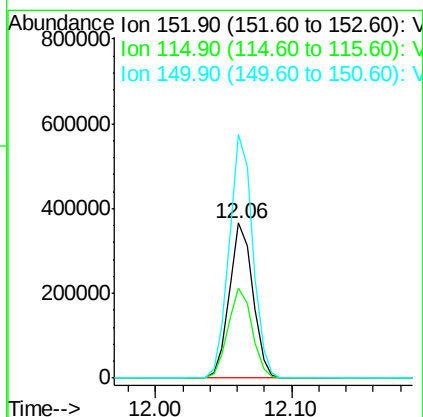
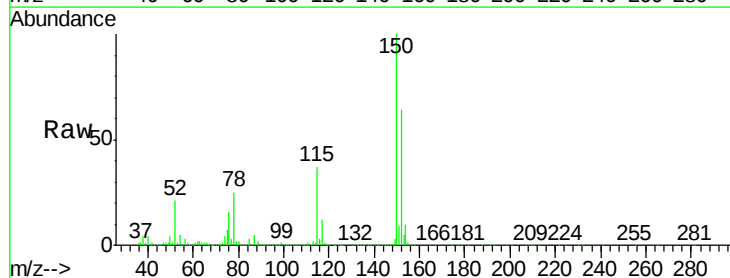
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-58-60

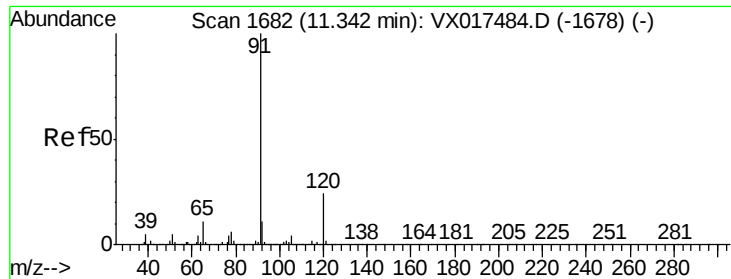
Tot Ion:106 Resp: 31312
Ion Ratio Lower Upper
106 100
91 219.0 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017712.D
Acq: 31 Jul 2020 19:18

Tgt Ion:152 Resp: 440313
Ion Ratio Lower Upper
152 100
115 58.6 65.5 196.6#
150 157.3 0.0 412.6





#78

n-propylbenzene

Concen: 0.447 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX017712.D

Acq: 31 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

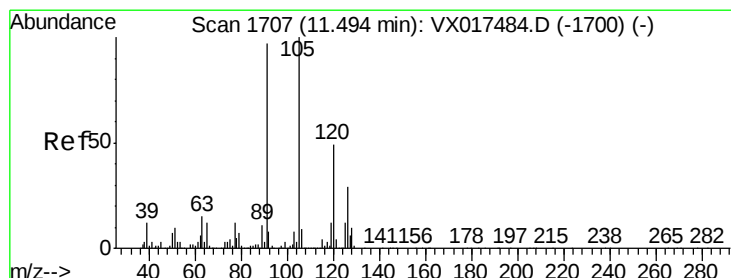
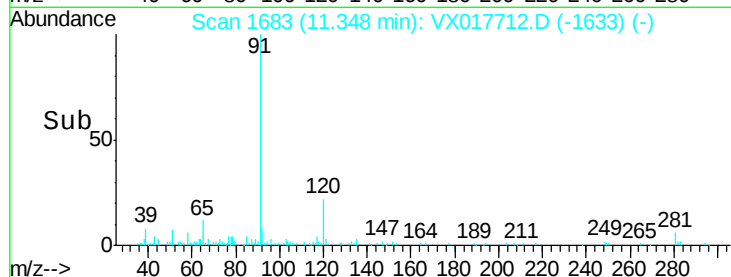
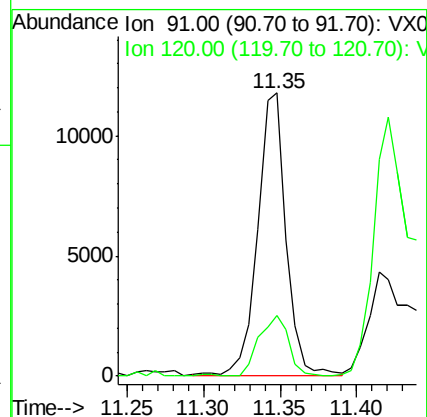
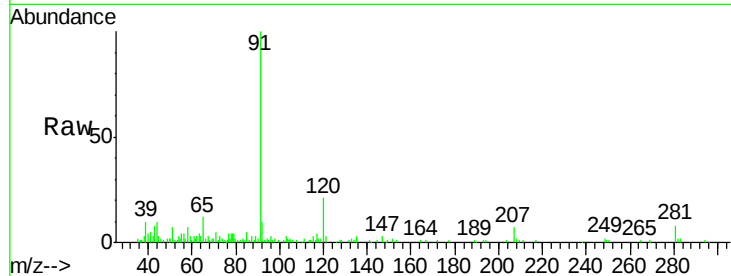
BP-VPB179-GW-58-60

Tot Ion: 91 Resp: 15218

Ion Ratio Lower Upper

91 100

120 22.4 12.2 36.4



#80

1,3,5-Trimethylbenzene

Concen: 0.490 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017712.D

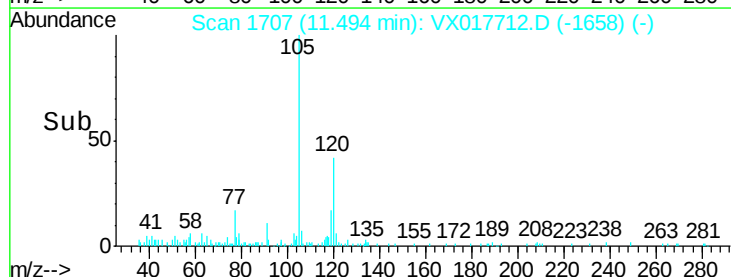
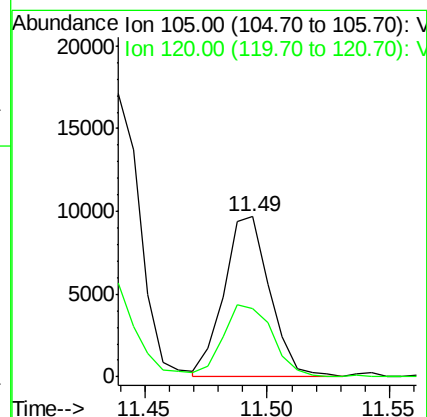
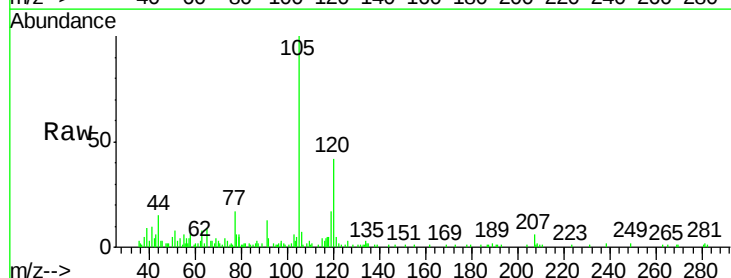
Acq: 31 Jul 2020 19:18

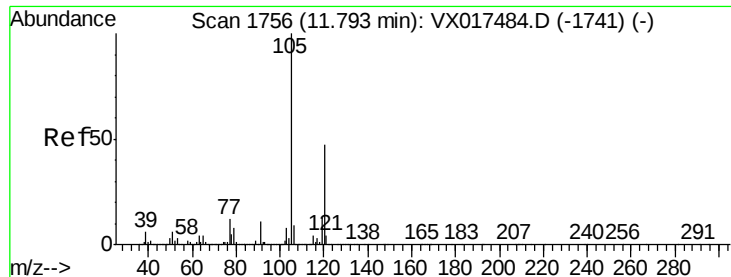
Tgt Ion: 105 Resp: 12641

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3

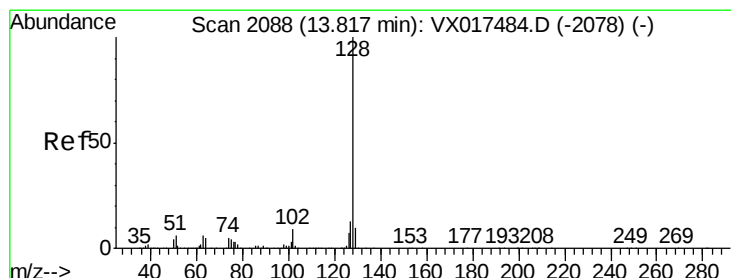
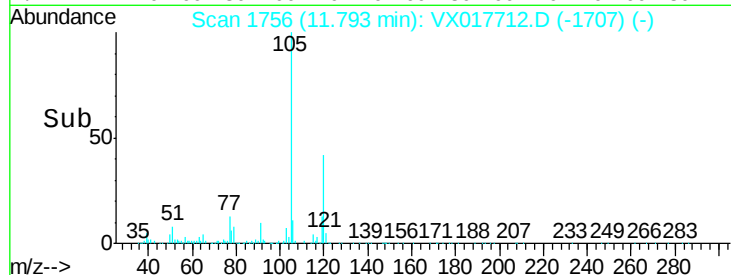
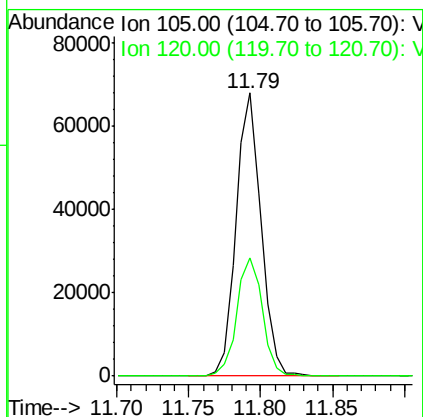
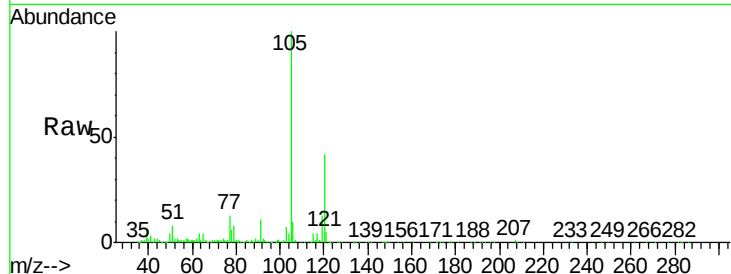




#84
 1,2,4-Trimethylbenzene
 Concen: 3.221 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX017712.D
 Acq: 31 Jul 2020 19:18

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

Tot Ion:105 Resp: 82632
 Ion Ratio Lower Upper
 105 100
 120 42.8 22.7 68.0



#95
 Naphthalene
 Concen: 1.842 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX017712.D
 Acq: 31 Jul 2020 19:18

Tgt Ion:128 Resp: 53569
 Ion Ratio Lower Upper
 128 100
 127 14.8 10.4 15.6
 129 12.0 8.9 13.3

