

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080320\
 Data File : VX017748.D
 Acq On : 03 Aug 2020 16:09
 Operator : JC/SP
 Sample : L3526-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-GW-258-260

Quant Time: Aug 12 14:49:07 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	600623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	890459	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	832519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	406624	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	383253	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	5.47	113	301538	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
50) Toluene-d8	8.70	98	1067633	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	11.12	95	392592	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	

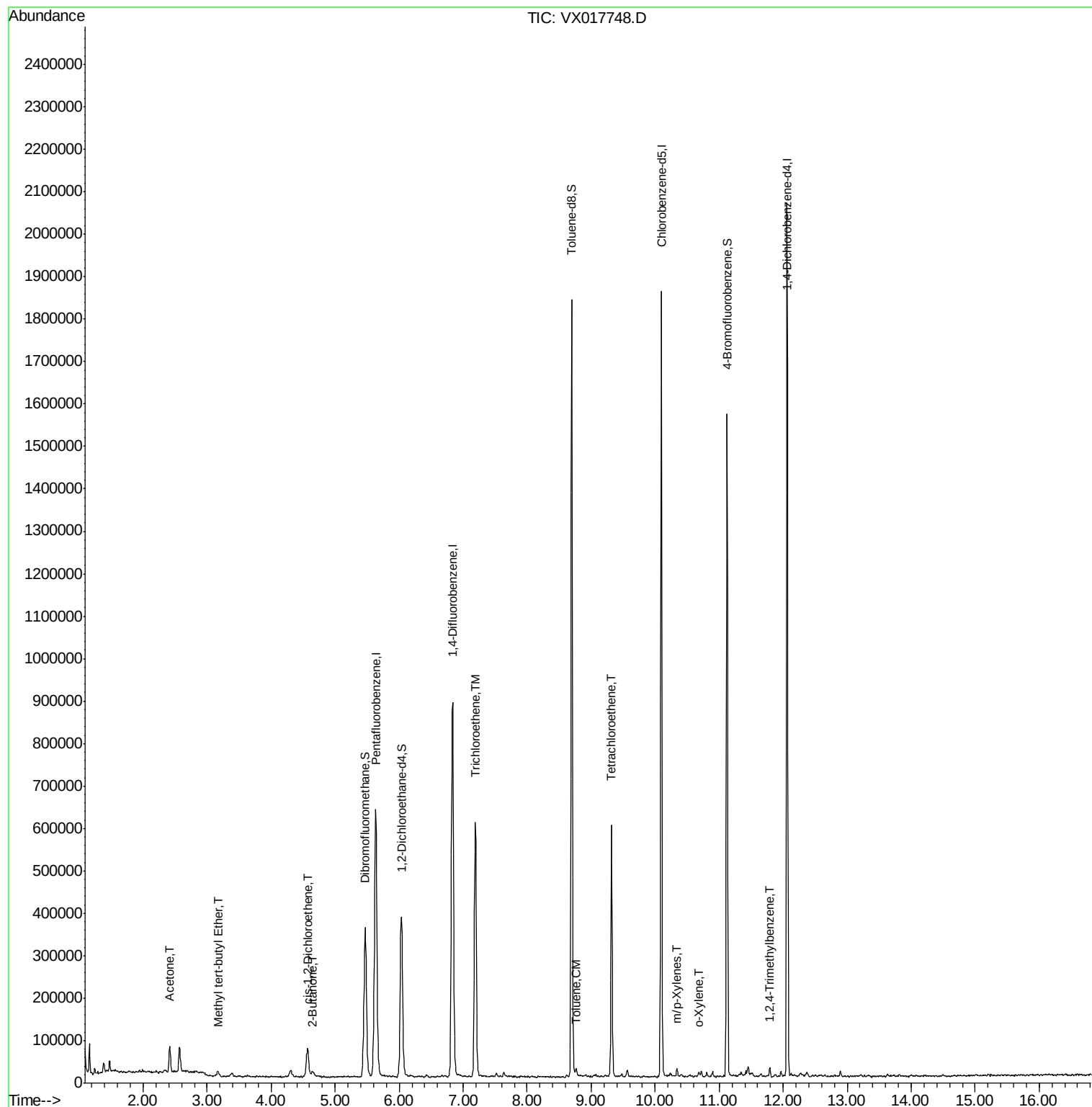
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.42	43	64271	18.927	ug/l	92
19) Methyl tert-butyl Ether	3.17	73	11881	0.553	ug/l #	85
25) 2-Butanone	4.64	43	19072	3.954	ug/l	96
27) cis-1,2-Dichloroethene	4.57	96	42110	5.834	ug/l	89
44) Trichloroethene	7.19	130	234726	32.804	ug/l	100
52) Toluene	8.77	92	5514	0.351	ug/l	93
64) Tetrachloroethene	9.32	164	111061	14.863	ug/l	95
68) m/p-Xylenes	10.34	106	4438	0.381	ug/l	99
69) o-Xylene	10.68	106	2359	0.210	ug/l	94
84) 1,2,4-Trimethylbenzene	11.79	105	9640	0.407	ug/l	98

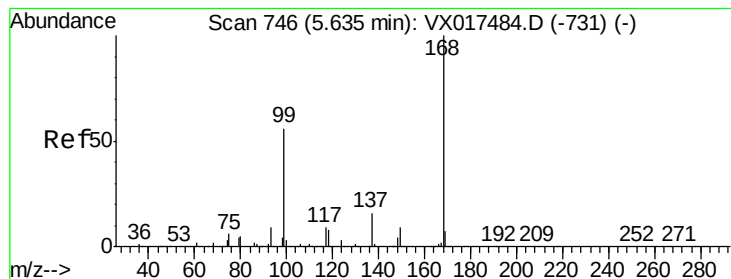
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX017748.D

Acq: 03 Aug 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

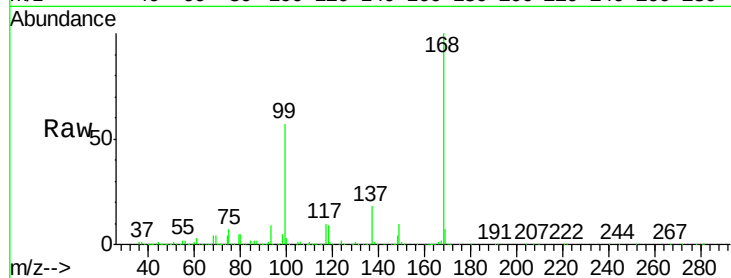
BP-VPB179-GW-258-260

Tot Ion:168 Resp: 600623

Ion Ratio Lower Upper

168 100

99 57.1 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

200000

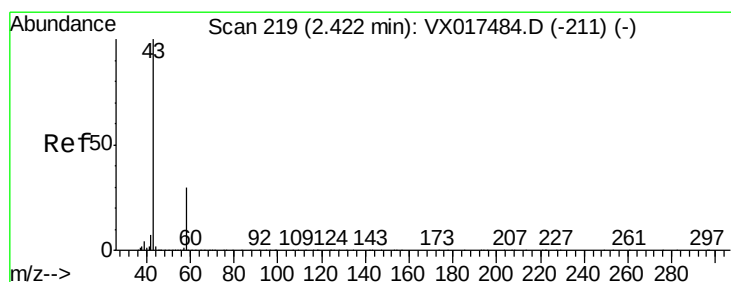
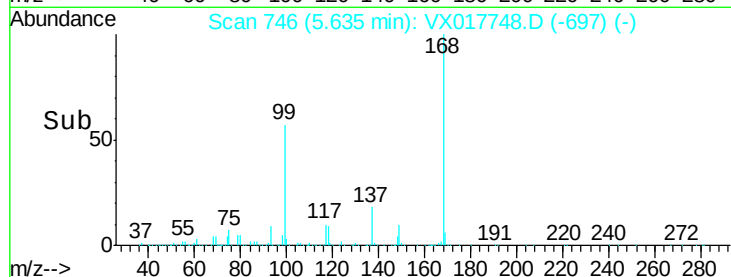
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 18.927 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017748.D

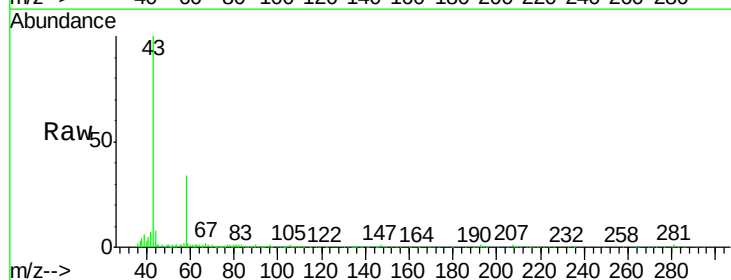
Acq: 03 Aug 2020 16:09

Tgt Ion: 43 Resp: 64271

Ion Ratio Lower Upper

43 100

58 34.5 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

40000

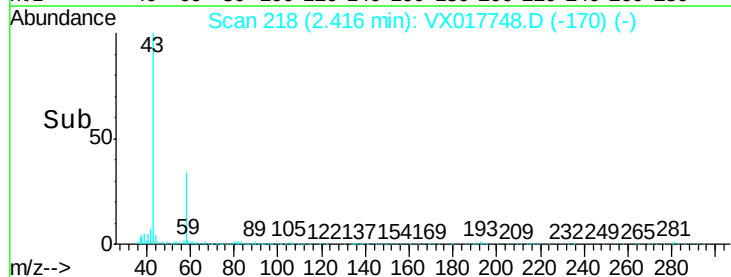
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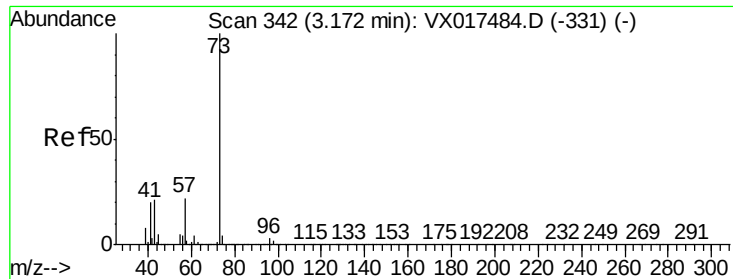
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10000

0

Time-->



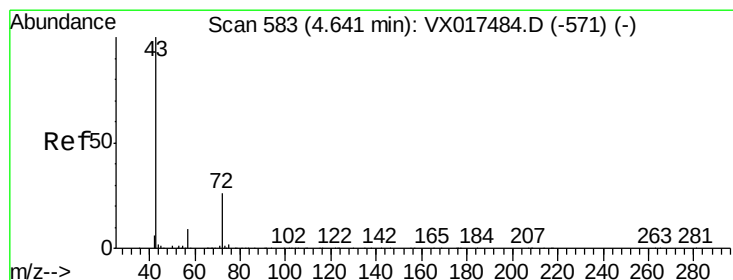
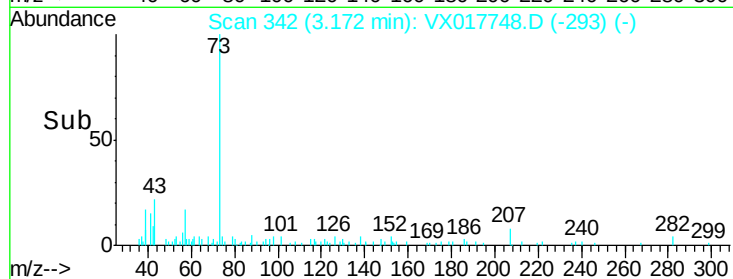
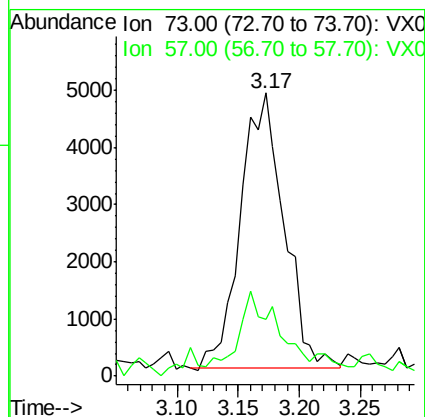
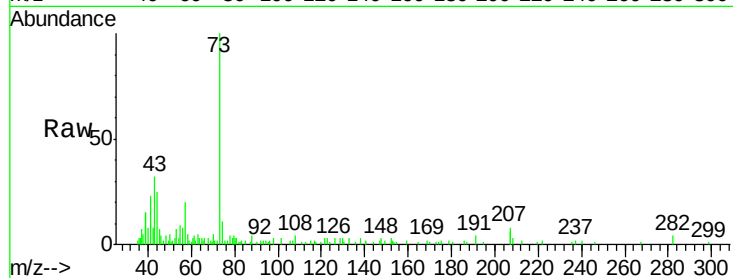


#19

Methyl tert-butyl Ether
 Concen: 0.553 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VX017748.D
 Acq: 03 Aug 2020 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-GW-258-260

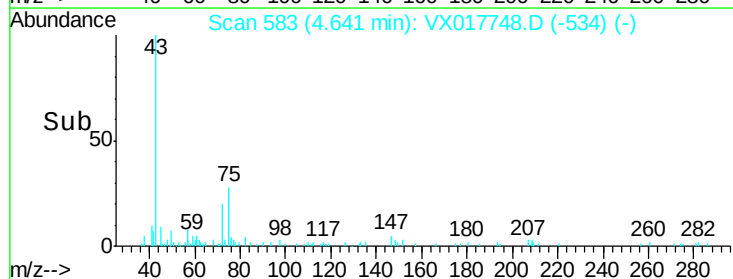
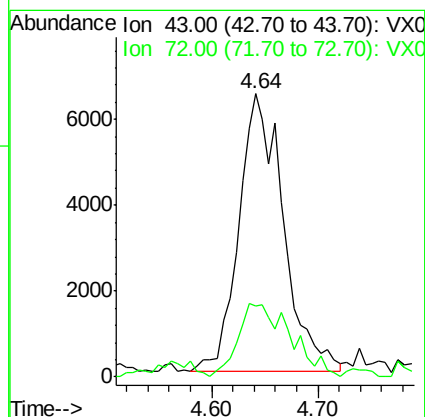
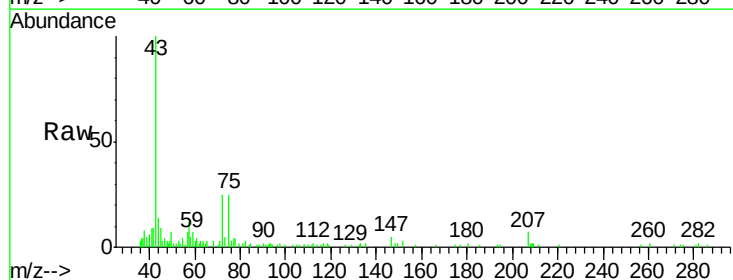
Tot Ion: 73 Resp: 11881
 Ion Ratio Lower Upper
 73 100
 57 14.0 17.0 25.4#

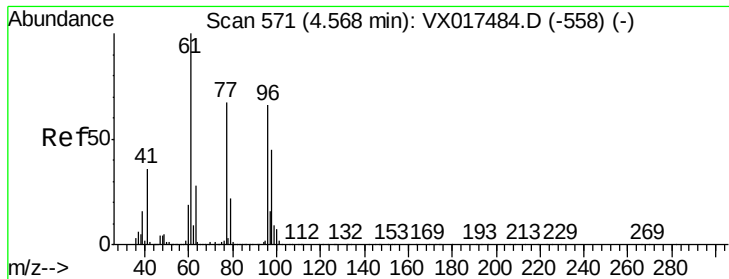


#25

2-Butanone
 Concen: 3.954 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: VX017748.D
 Acq: 03 Aug 2020 16:09

Tgt Ion: 43 Resp: 19072
 Ion Ratio Lower Upper
 43 100
 72 25.5 19.0 28.4



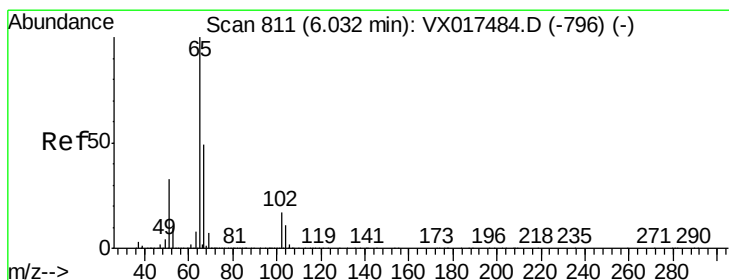
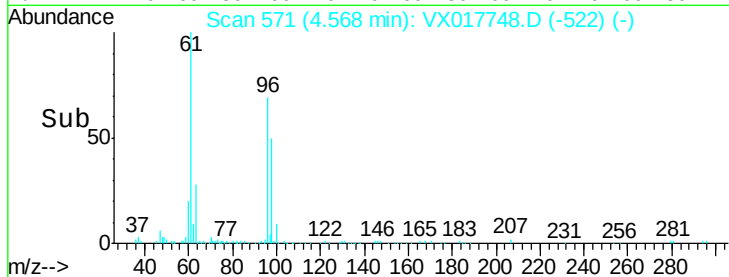
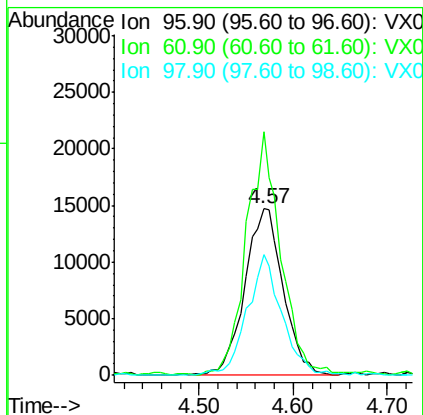
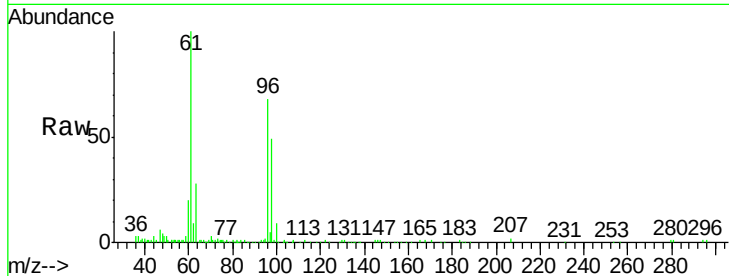


#27

cis-1,2-Dichloroethene
Concen: 5.834 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX017748.D
Acq: 03 Aug 2020 16:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-258-260

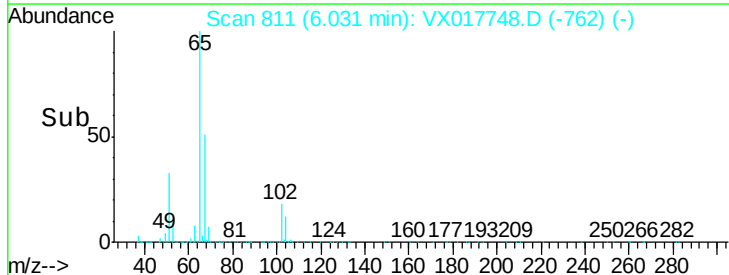
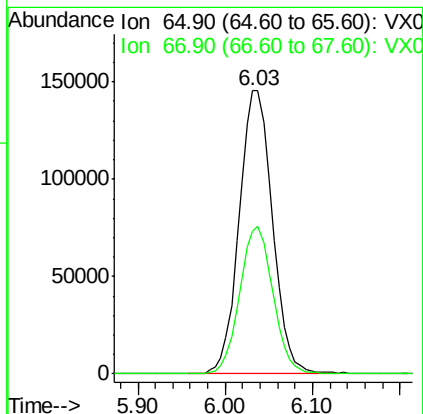
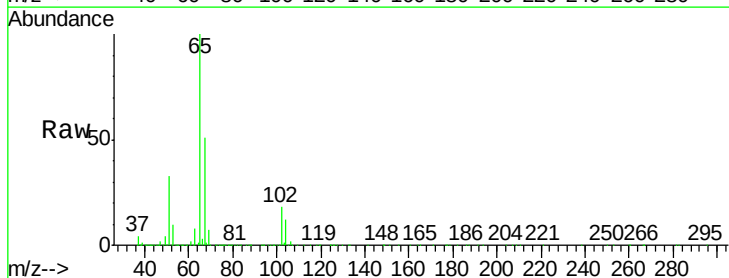
Tot Ion	96	Resp	42110
Ion	Ratio	Lower	Upper
96	100		
61	130.5	0.0	301.2
98	65.4	0.0	130.0

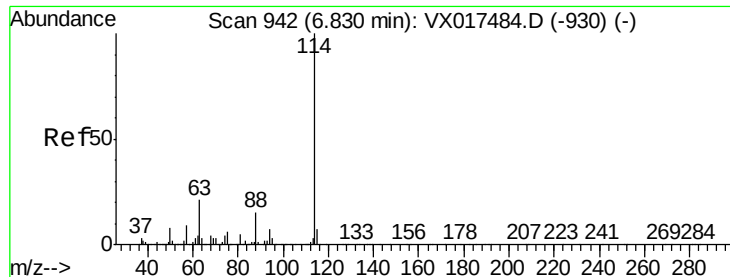


#33

1,2-Dichloroethane-d4
Concen: 49.675 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017748.D
Acq: 03 Aug 2020 16:09

Tgt Ion	65	Resp	383253
Ion	Ratio	Lower	Upper
65	100		
67	52.1	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: VX017748.D

Acq: 03 Aug 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-258-260

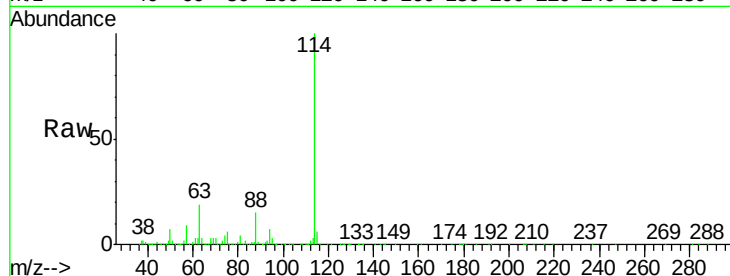
Tot Ion:114 Resp: 890459

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.6

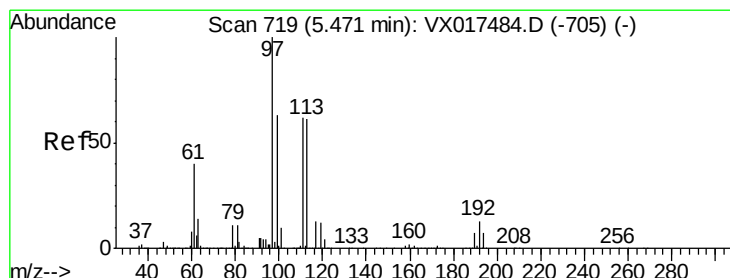
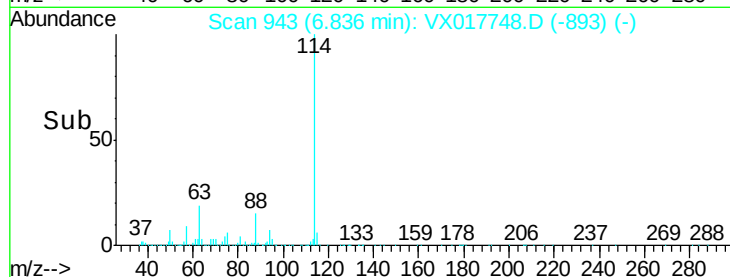
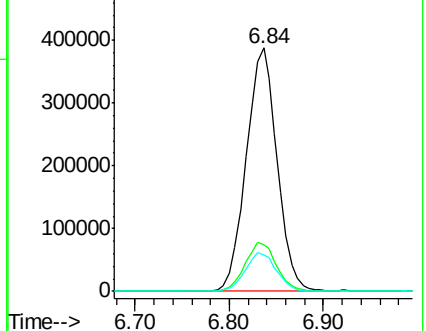
88 15.1 0.0 33.4



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: 50.632 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017748.D

Acq: 03 Aug 2020 16:09

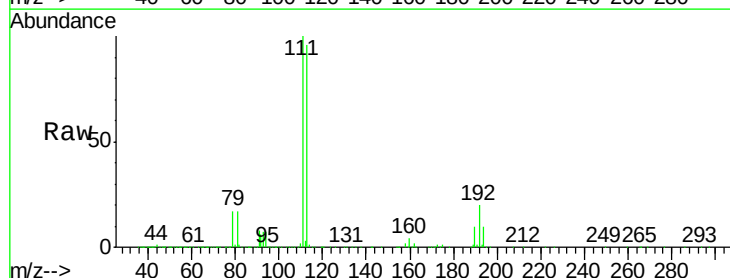
Tgt Ion:113 Resp: 301538

Ion Ratio Lower Upper

113 100

111 102.3 80.7 121.1

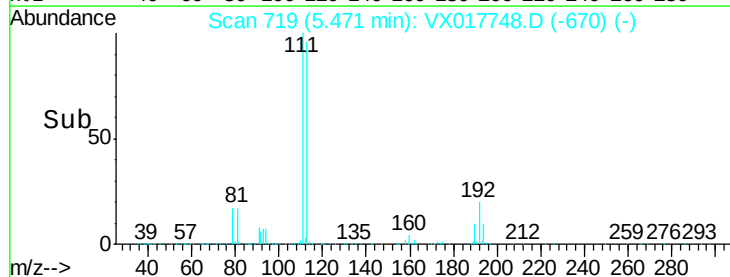
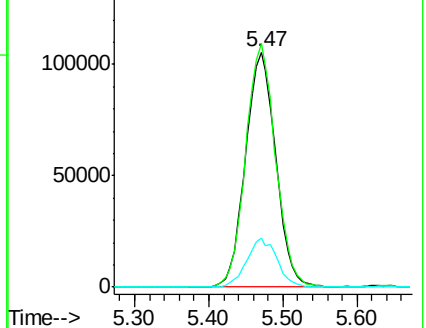
192 20.8 16.9 25.3

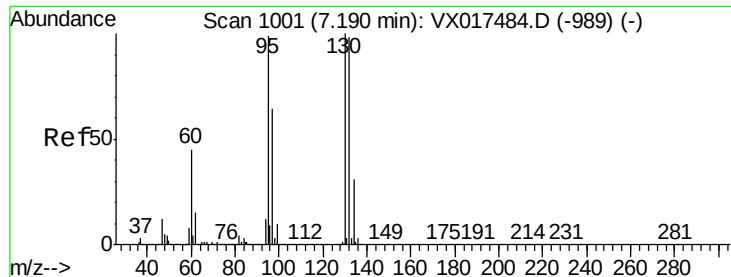


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 32.804 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX017748.D

Acq: 03 Aug 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

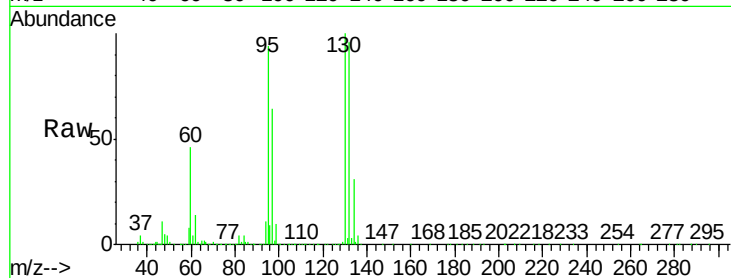
BP-VPB179-GW-258-260

Tot Ion:130 Resp: 234726

Ion Ratio Lower Upper

130 100

95 94.2 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

120000

100000

80000

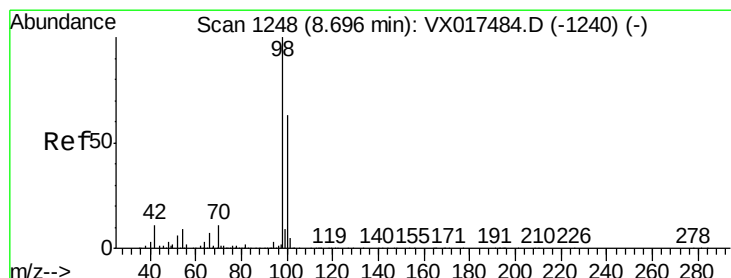
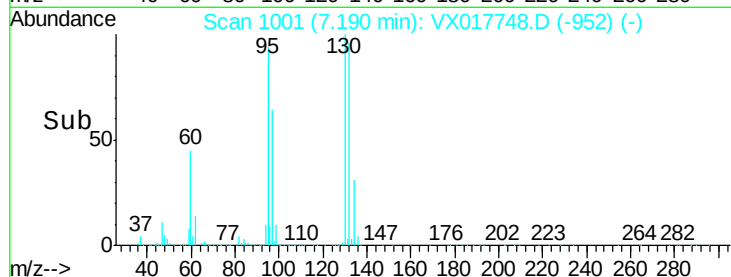
60000

40000

20000

0

Time-->



#50

Toluene-d8

Concen: 49.694 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017748.D

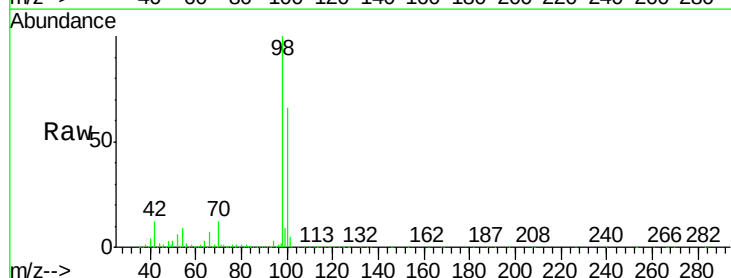
Acq: 03 Aug 2020 16:09

Tgt Ion: 98 Resp: 1067633

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

800000

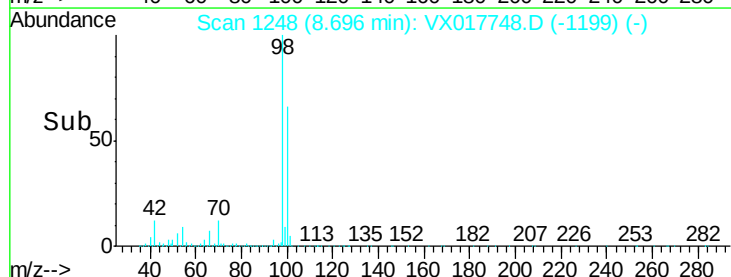
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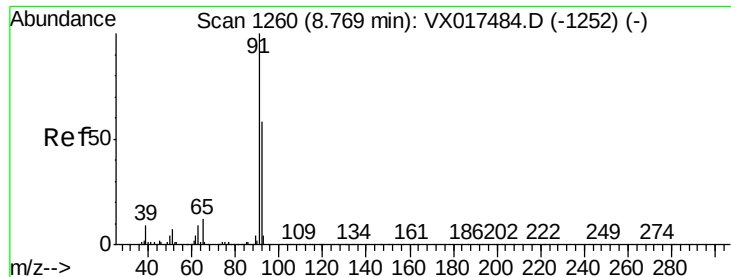
400000

200000

0

Time-->





#52

Toluene

Concen: 0.351 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX017748.D

Acq: 03 Aug 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

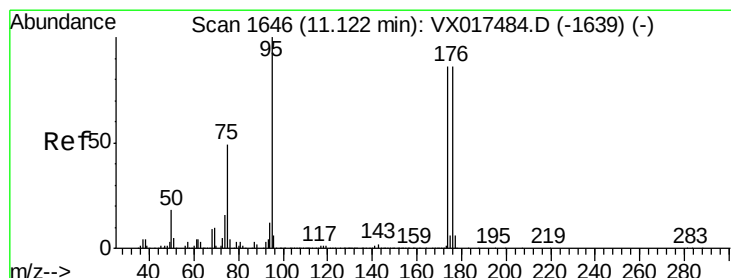
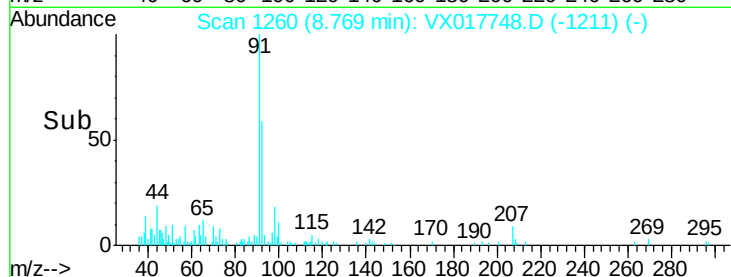
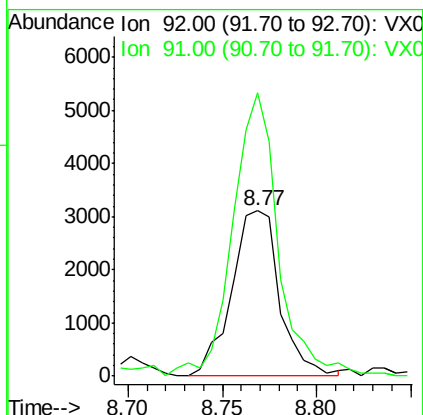
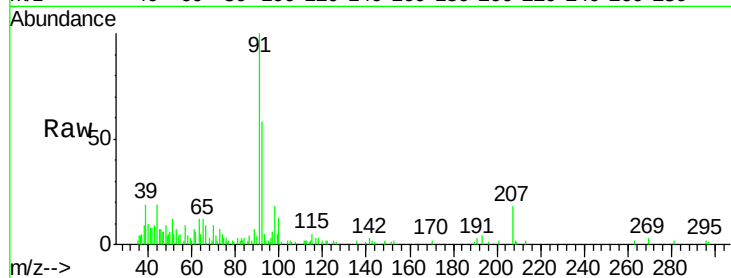
BP-VPB179-GW-258-260

Tot Ion: 92 Resp: 5514

Ion Ratio Lower Upper

92 100

91 162.2 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 45.661 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017748.D

Acq: 03 Aug 2020 16:09

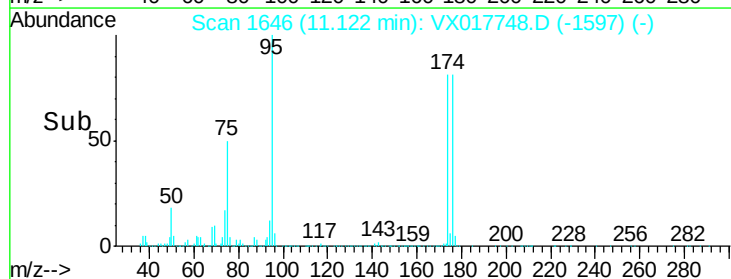
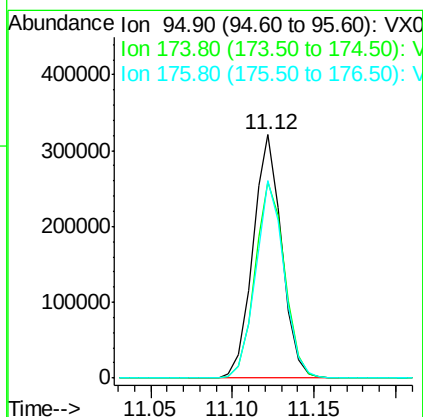
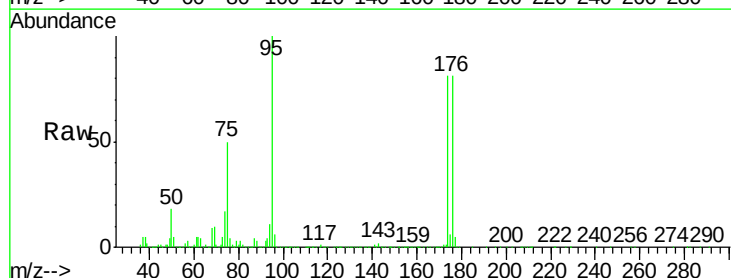
Tgt Ion: 95 Resp: 392592

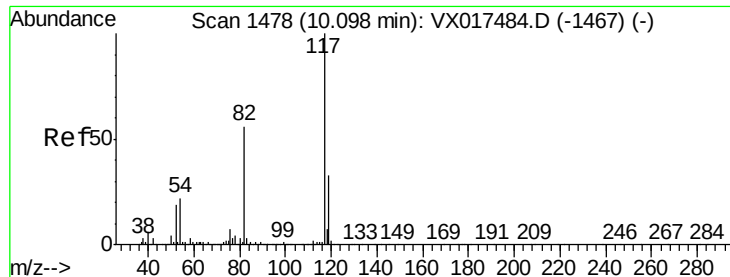
Ion Ratio Lower Upper

95 100

174 83.1 0.0 169.0

176 80.5 0.0 161.0

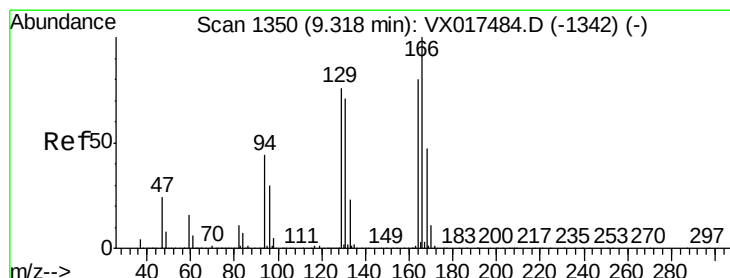
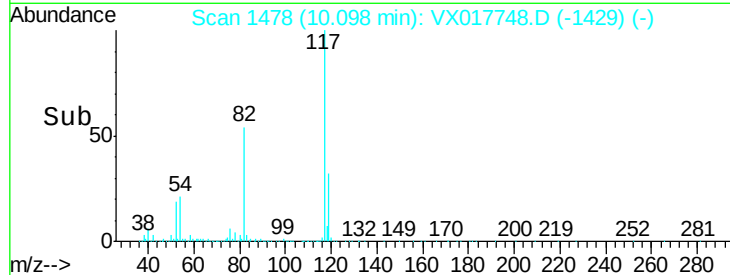
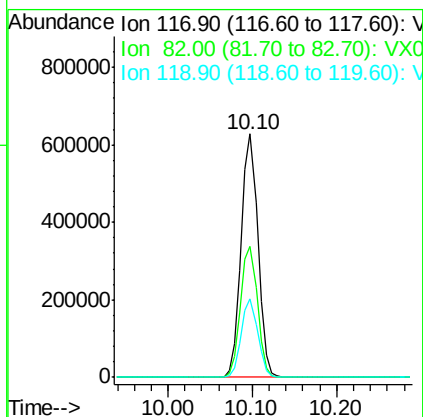
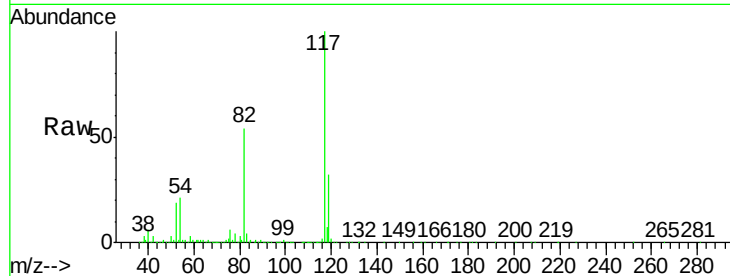




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017748.D
Acq: 03 Aug 2020 16:09

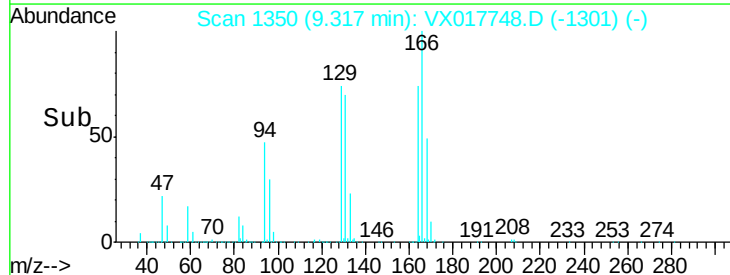
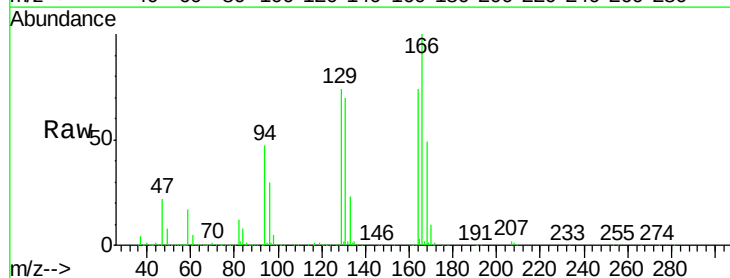
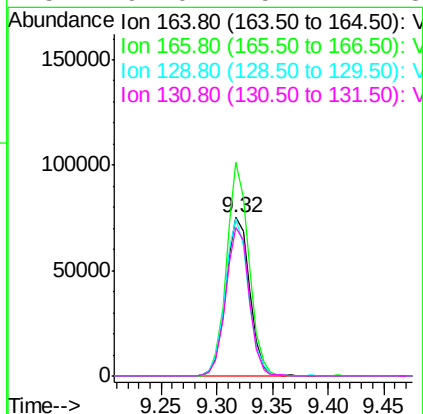
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-258-260

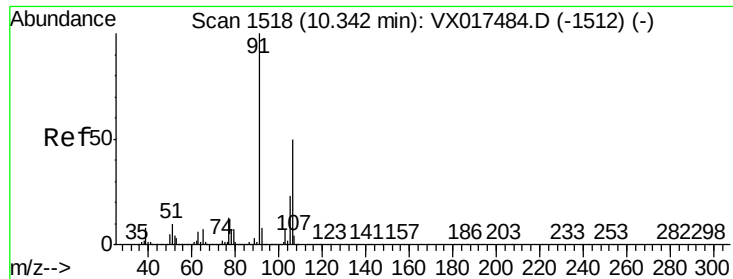
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.0	66.0
119	32.4	25.4	38.0



#64
Tetrachloroethene
Concen: 14.863 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017748.D
Acq: 03 Aug 2020 16:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.8	100.6	150.8
129	99.3	75.0	112.6
131	94.0	75.2	112.8





#68

m/p-Xylenes

Concen: 0.381 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017748.D

Acq: 03 Aug 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

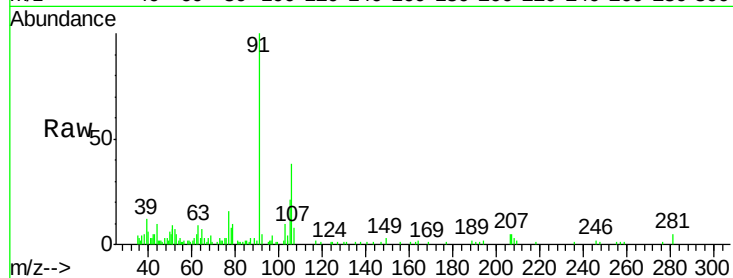
BP-VPB179-GW-258-260

Tot Ion:106 Resp: 4438

Ion Ratio Lower Upper

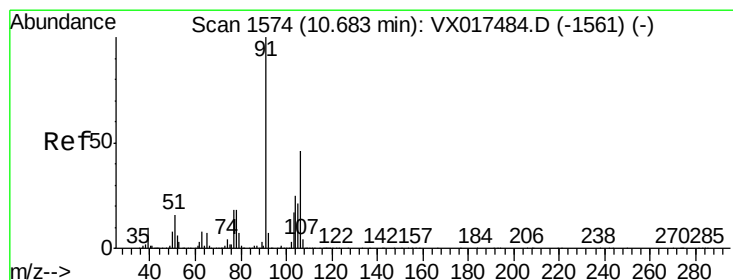
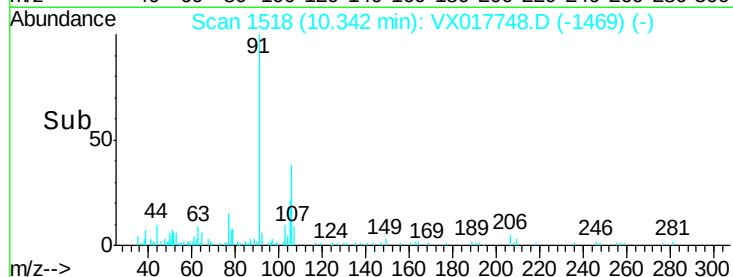
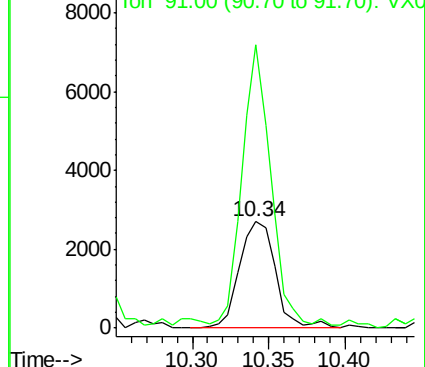
106 100

91 203.2 160.9 241.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.210 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017748.D

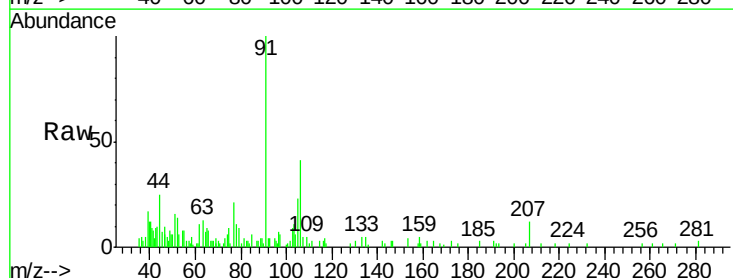
Acq: 03 Aug 2020 16:09

Tgt Ion:106 Resp: 2359

Ion Ratio Lower Upper

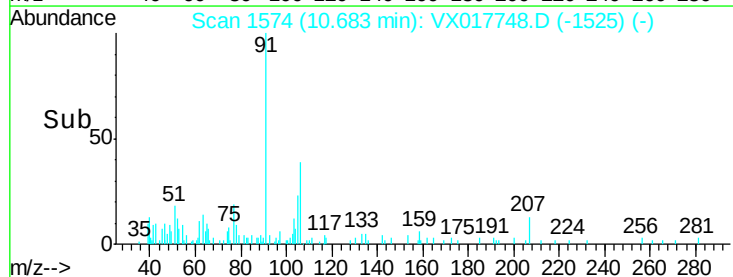
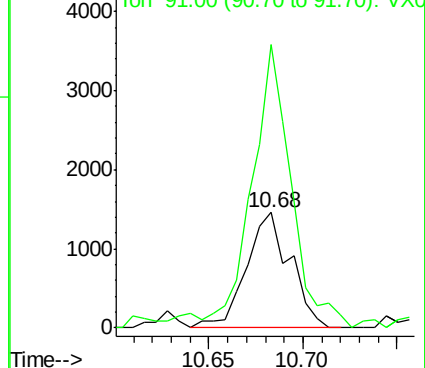
106 100

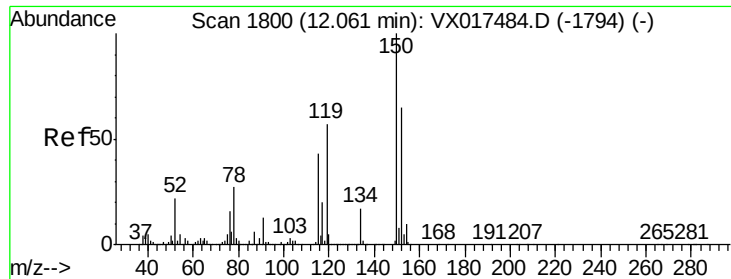
91 226.5 108.2 324.6



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: VX017748.D

Acq: 03 Aug 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-258-260

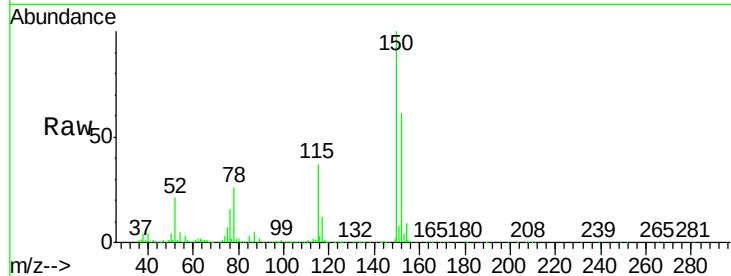
Tot Ion:152 Resp: 406624

Ion Ratio Lower Upper

152 100

115 59.3 65.5 196.6#

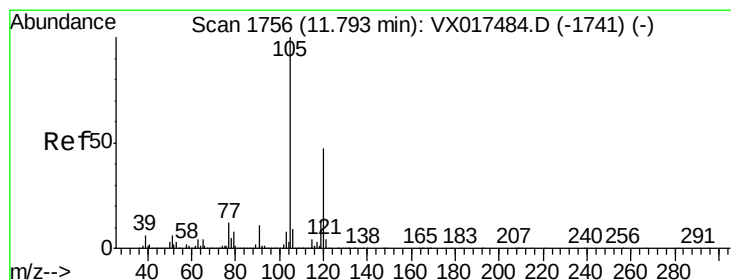
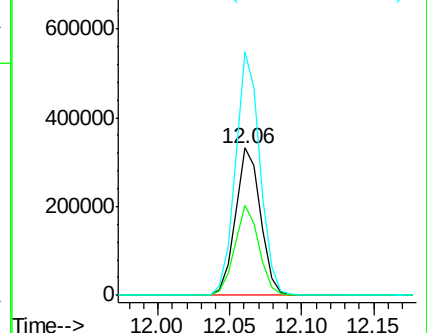
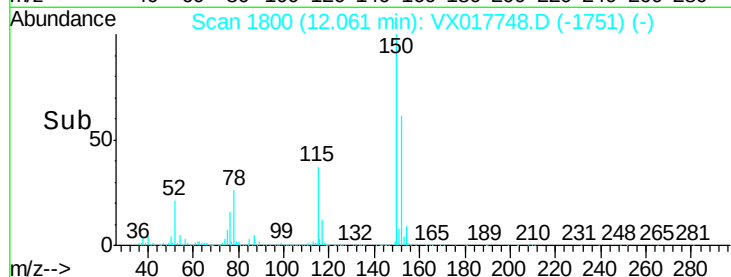
150 161.2 0.0 412.6



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



#84

1,2,4-Trimethylbenzene

Concen: 0.407 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017748.D

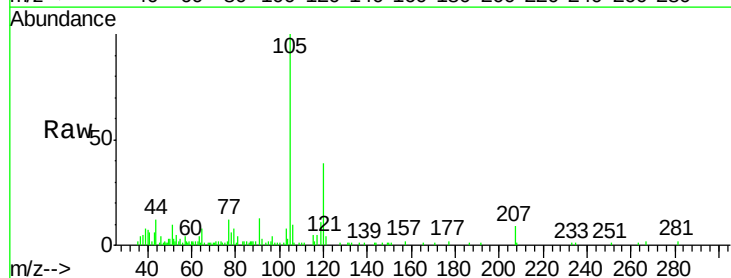
Acq: 03 Aug 2020 16:09

Tgt Ion:105 Resp: 9640

Ion Ratio Lower Upper

105 100

120 46.6 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

