

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019527.D
 Acq On : 21 Nov 2020 05:07
 Operator : JC/MD
 Sample : L4788-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW181S-GW-20201117

Quant Time: Nov 23 15:39:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	348676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	553673	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	482899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	234204	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	203807	45.08	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.16%	
35) Dibromofluoromethane		5.46	113	163761	47.12	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.24%	
50) Toluene-d8		8.70	98	650626	48.18	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.36%	
62) 4-Bromofluorobenzene		11.12	95	241876	49.78	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.56%	

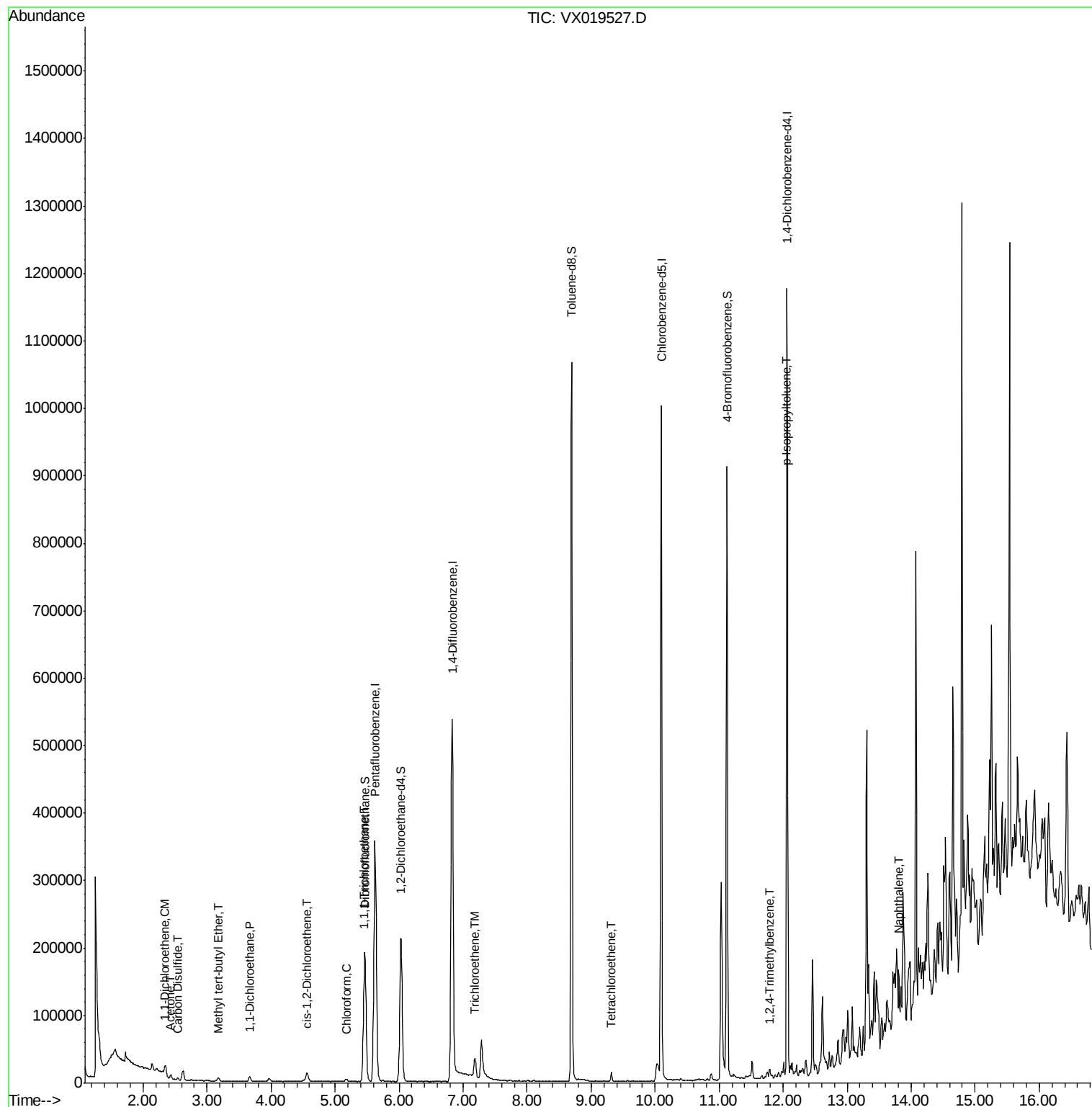
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.34	96	4429	1.279	ug/l	99
16) Acetone	2.43	43	5097	2.915	ug/l	96
17) Carbon Disulfide	2.54	76	3897	0.419	ug/l #	95
19) Methyl tert-butyl Ether	3.17	73	6376	0.534	ug/l #	90
24) 1,1-Dichloroethane	3.67	63	7674	1.118	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	7222	1.603	ug/l	48
30) Chloroform	5.17	83	4031	0.562	ug/l	98
32) 1,1,1-Trichloroethane	5.45	97	3921	0.636	ug/l #	40
44) Trichloroethene	7.18	130	8326	1.993	ug/l	98
64) Tetrachloroethene	9.32	164	2357	0.621	ug/l	92
84) 1,2,4-Trimethylbenzene	11.79	105	4607	0.335	ug/l	100
86) p-Isopropyltoluene	12.05	119	2870	0.202	ug/l #	76
95) Naphthalene	13.82	128	16780	3.107	ug/l #	92

(#) = 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. 0.00 min

Lab File: VX019527.D

Acq: 21 Nov 2020 05:07

Instrument :

MSVOA_X

ClientSampleId :

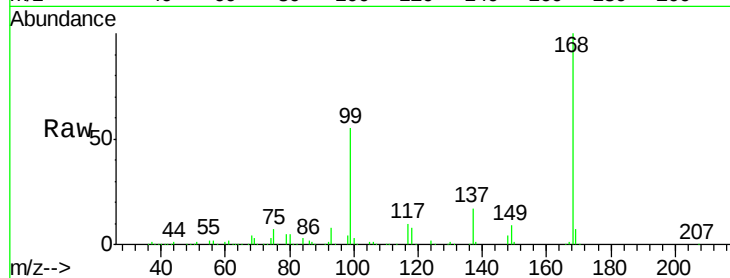
BP-TT-MW181S-GW-20201117

Tot Ion:168 Resp: 348676

Ion Ratio Lower Upper

168 100

99 55.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

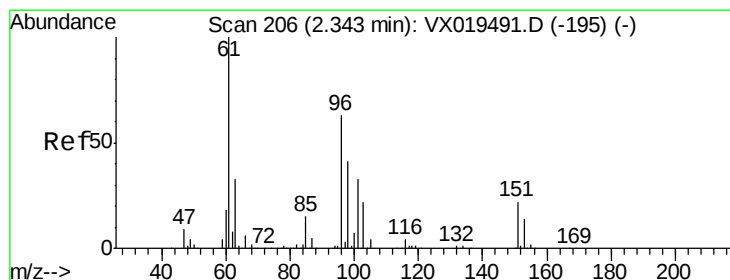
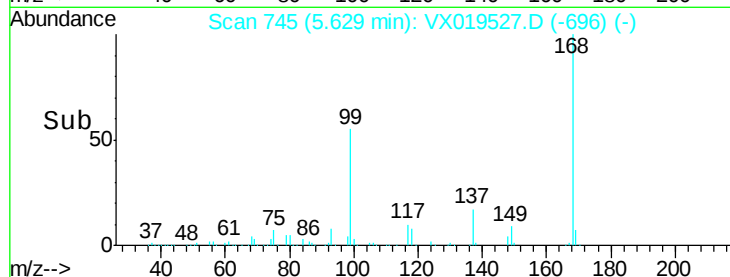
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 1.279 ug/l

RT: 2.34 min Scan# 206

Delta R.T. 0.00 min

Lab File: VX019527.D

Acq: 21 Nov 2020 05:07

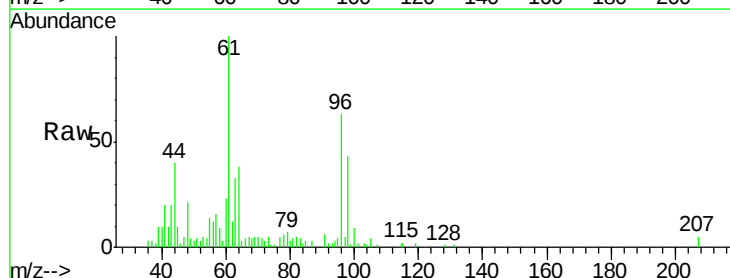
Tgt Ion: 96 Resp: 4429

Ion Ratio Lower Upper

96 100

61 157.9 126.0 189.0

98 68.4 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

5000

4000

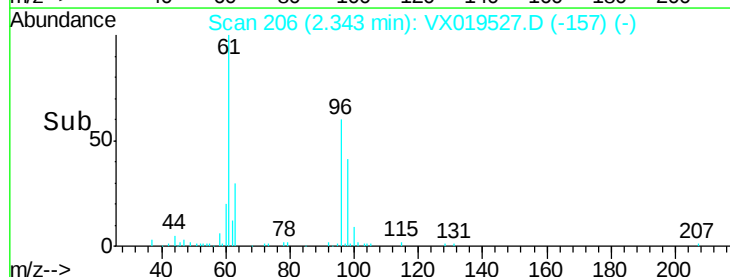
3000

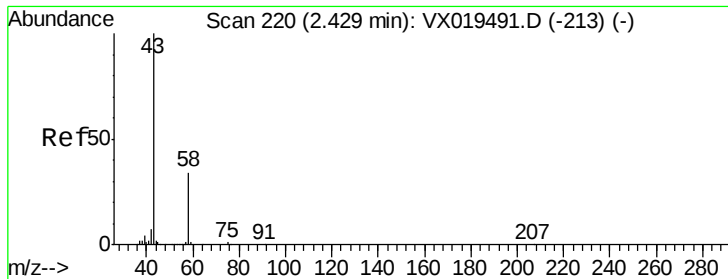
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1000

0

Time-->

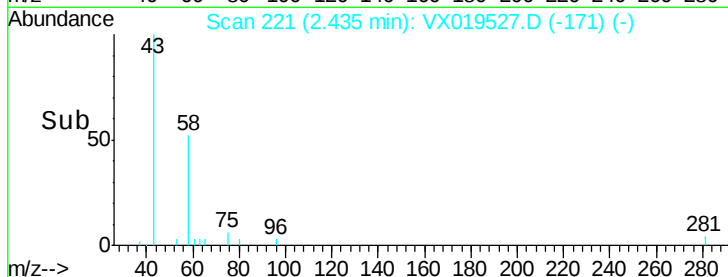
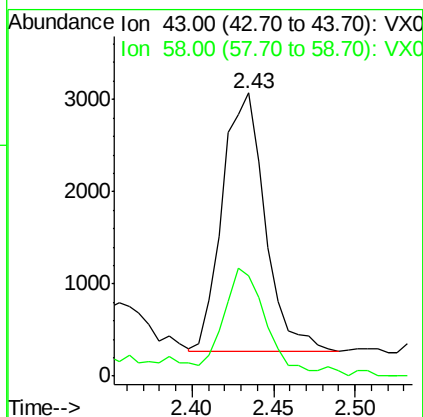
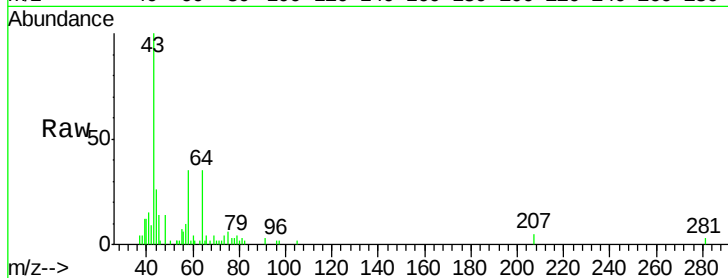




#16
Acetone
Concen: 2.915 ug/l
RT: 2.43 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX019527.D
Acq: 21 Nov 2020 05:07

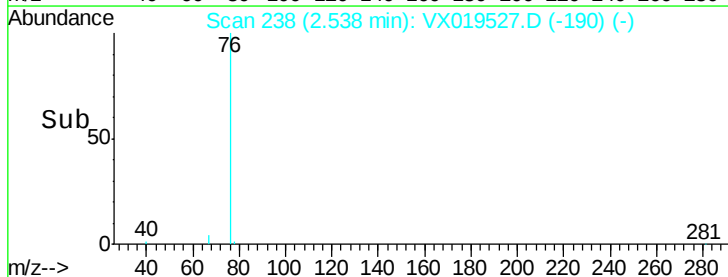
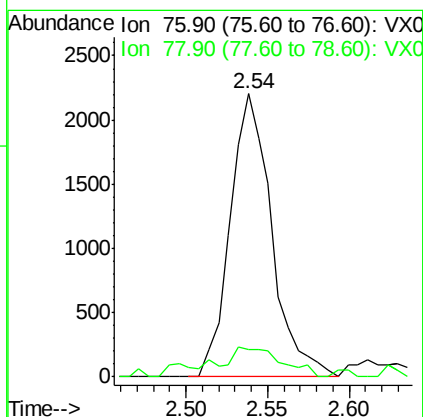
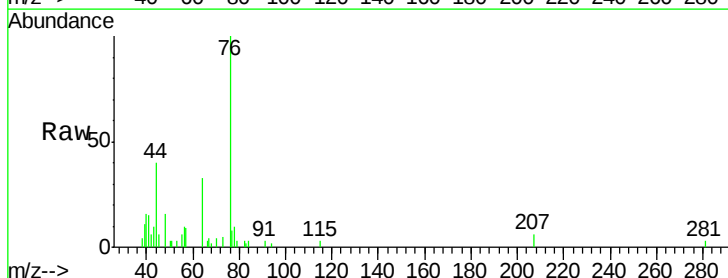
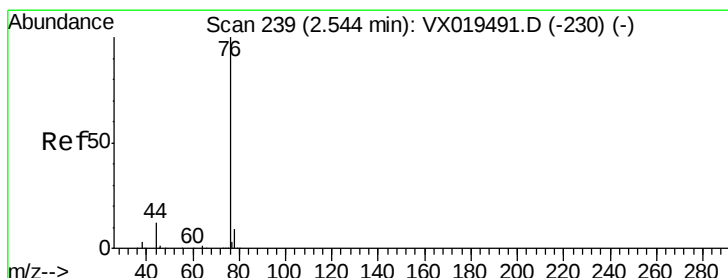
Instrument :
MSVOA_X
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BP-TT-MW181S-GW-20201117

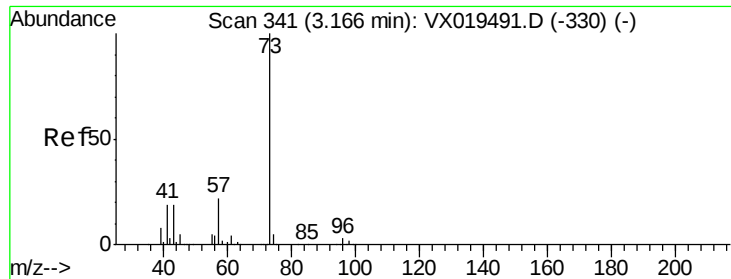
Tot Ion: 43 Resp: 5097
Ion Ratio Lower Upper
43 100
58 36.6 27.4 41.2



#17
Carbon Disulfide
Concen: 0.419 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VX019527.D
Acq: 21 Nov 2020 05:07

Tgt Ion: 76 Resp: 3897
Ion Ratio Lower Upper
76 100
78 7.2 7.2 10.8#



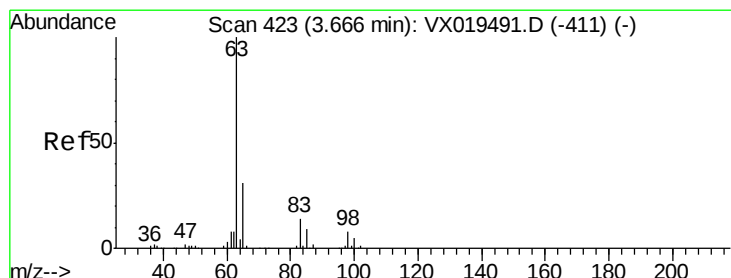
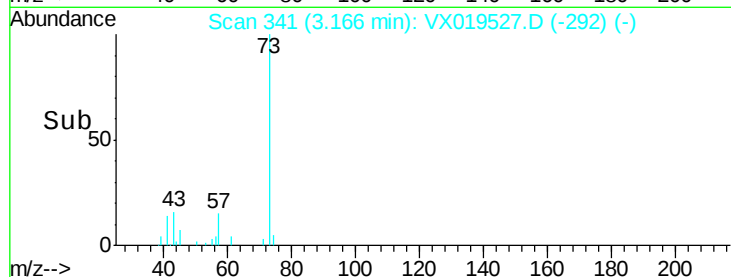
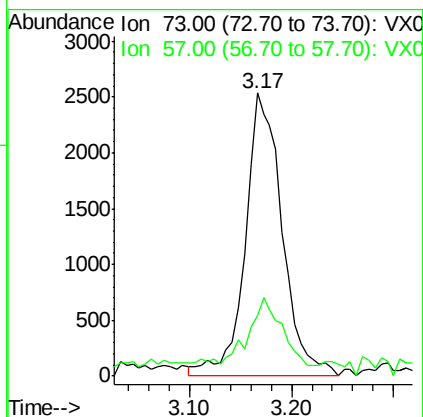
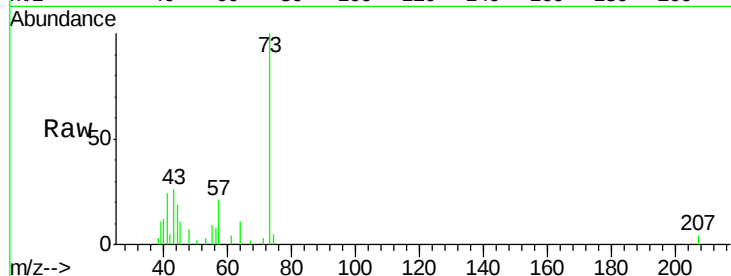


#19

Methvl tert-butvl Ether
 Concen: 0.534 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX019527.D
 Acq: 21 Nov 2020 05:07

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW181S-GW-20201117

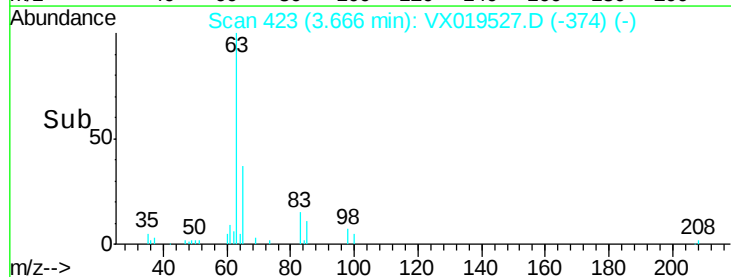
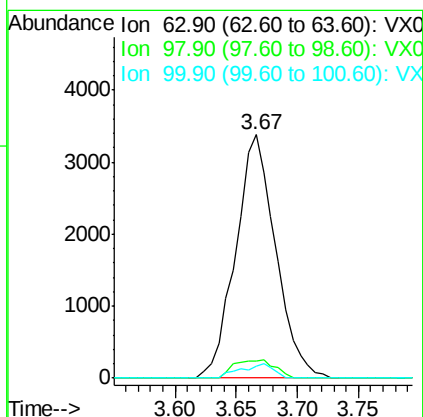
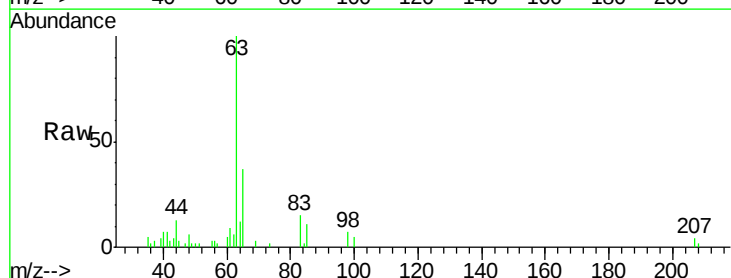
Tot Ion: 73 Resp: 6376
 Ion Ratio Lower Upper
 73 100
 57 16.8 17.3 25.9#

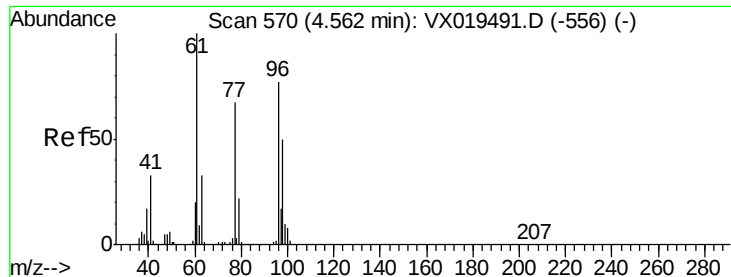


#24

1,1-Dichloroethane
 Concen: 1.118 ug/l
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX019527.D
 Acq: 21 Nov 2020 05:07

Tgt Ion: 63 Resp: 7674
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.9 11.7
 100 4.7 2.4 7.1



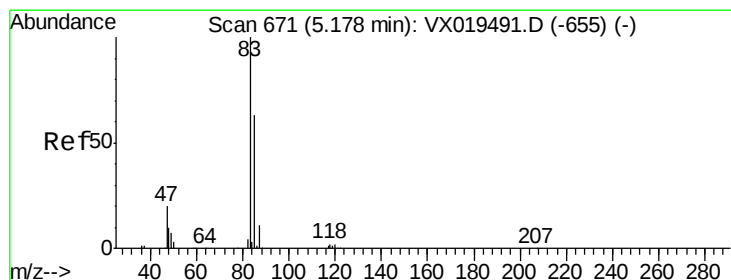
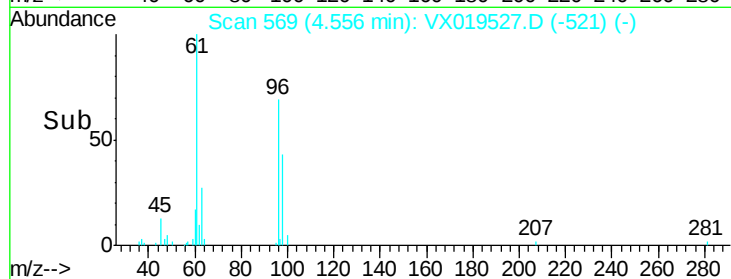
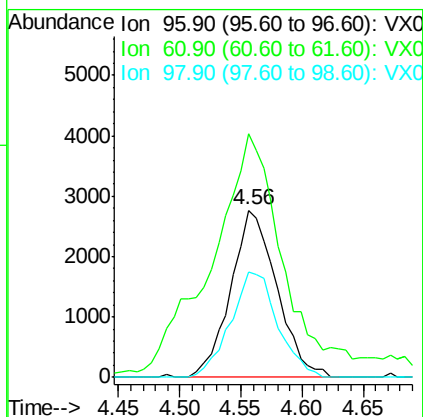
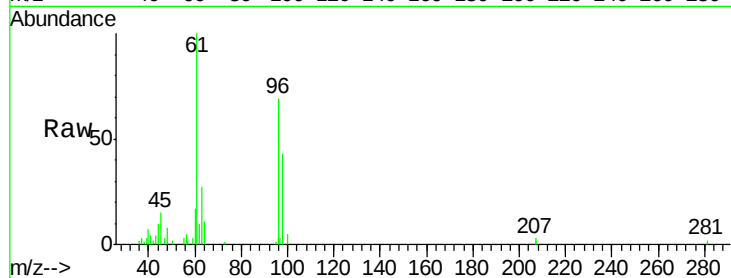


#27

cis-1,2-Dichloroethene
 Concen: 1.603 ug/l
 RT: 4.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VX019527.D
 Acq: 21 Nov 2020 05:07

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW181S-GW-20201117

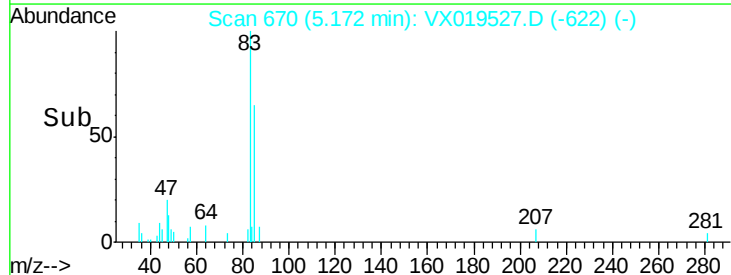
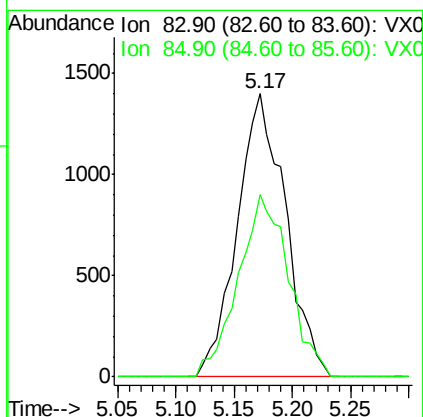
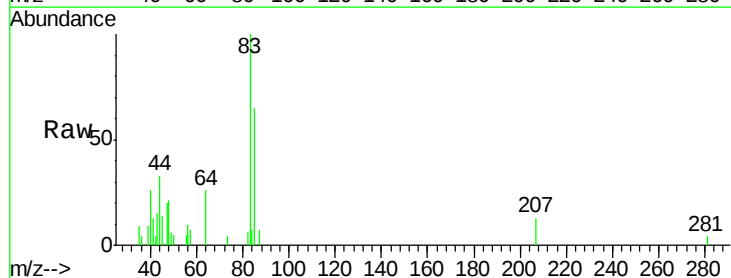
Tot Ion: 96 Resp: 7222
 Ion Ratio Lower Upper
 96 100
 61 231.6 0.0 279.2
 98 64.4 0.0 129.8

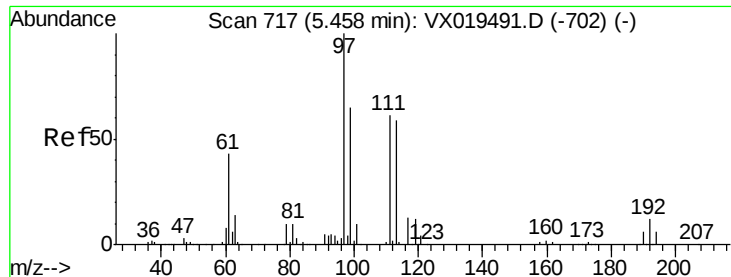


#30

Chloroform
 Concen: 0.562 ug/l
 RT: 5.17 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: VX019527.D
 Acq: 21 Nov 2020 05:07

Tgt Ion: 83 Resp: 4031
 Ion Ratio Lower Upper
 83 100
 85 64.5 50.5 75.7





#32

1,1,1-Trichloroethane

Concen: 0.636 ug/l

RT: 5.45 min Scan# 715

Delta R.T. -0.01 min

Lab File: VX019527.D

Acq: 21 Nov 2020 05:07

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW181S-GW-20201117

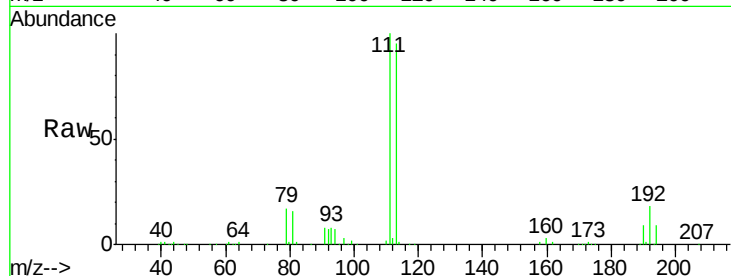
Tot Ion: 97 Resp: 3921

Ion Ratio Lower Upper

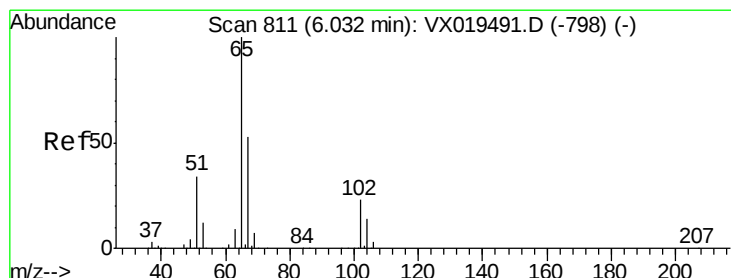
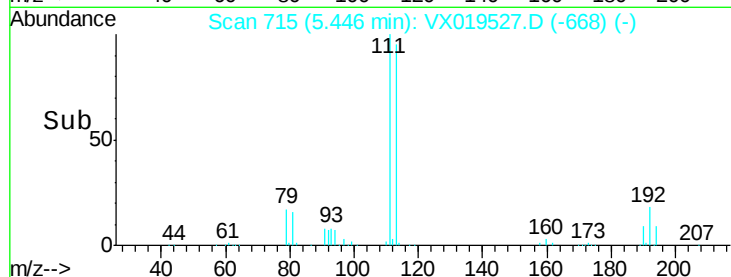
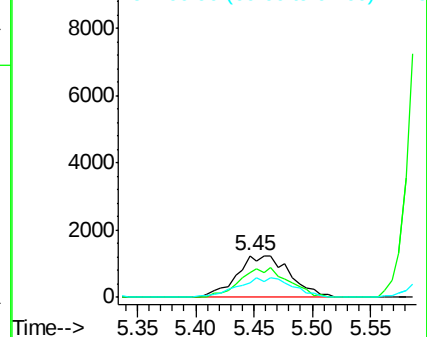
97 100

99 0.0 51.4 77.0#

61 25.4 34.2 51.2#



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.081 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019527.D

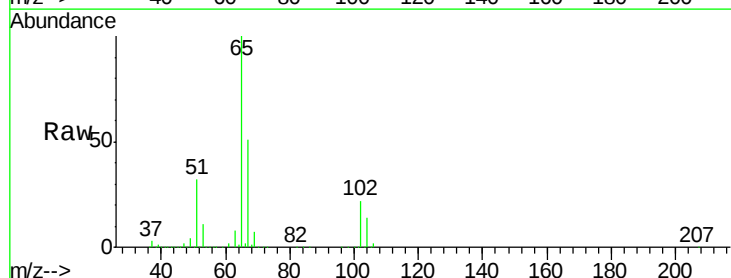
Acq: 21 Nov 2020 05:07

Tgt Ion: 65 Resp: 203807

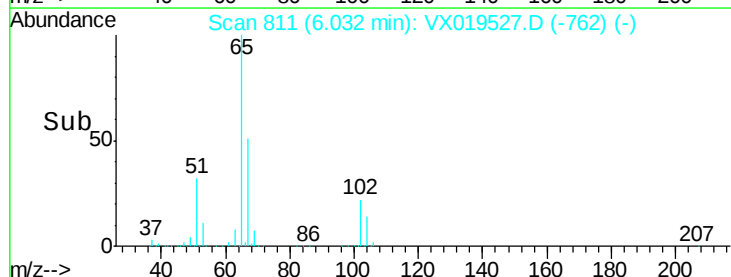
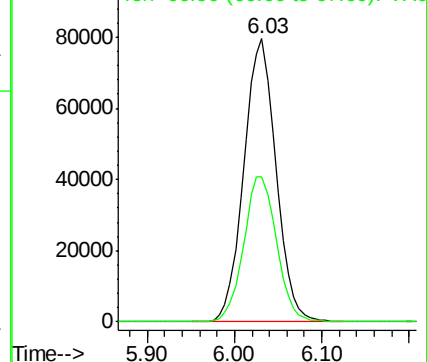
Ion Ratio Lower Upper

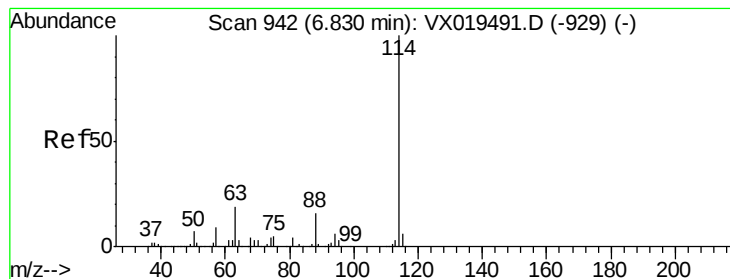
65 100

67 52.5 0.0 105.0



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: VX019527.D

Acq: 21 Nov 2020 05:07

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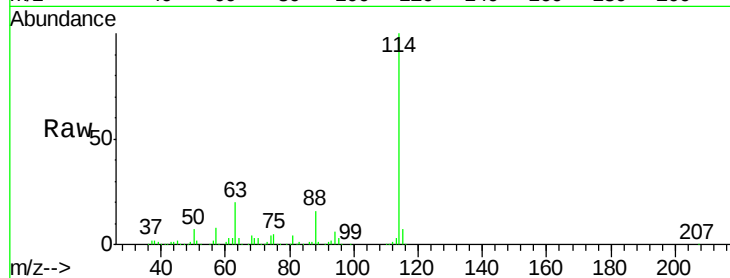
Tot Ion:114 Resp: 553673

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.8

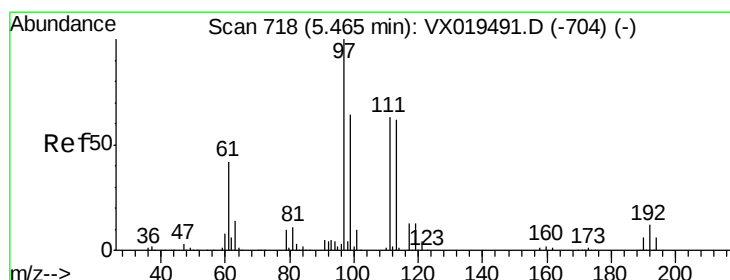
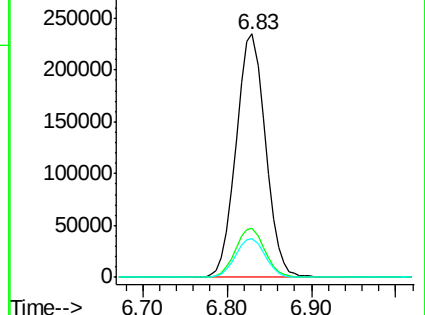
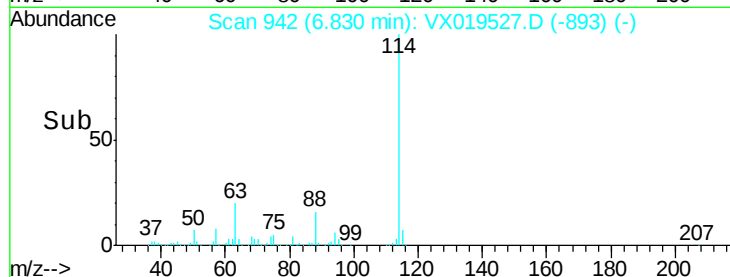
88 16.1 0.0 31.6



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: 47.120 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019527.D

Acq: 21 Nov 2020 05:07

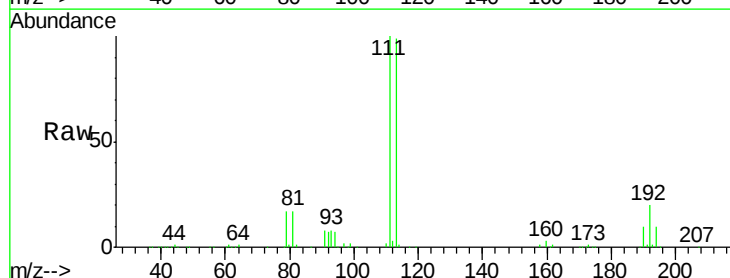
Tgt Ion:113 Resp: 163761

Ion Ratio Lower Upper

113 100

111 103.2 81.5 122.3

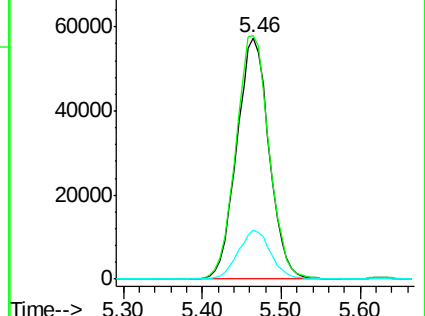
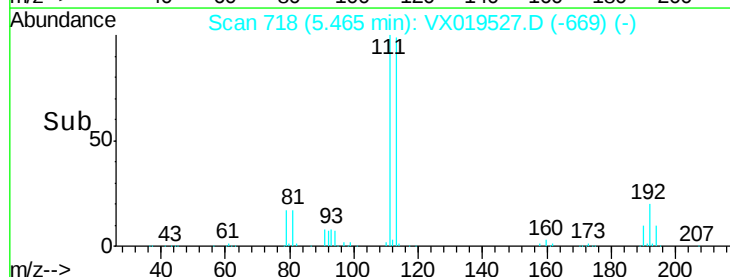
192 20.3 16.2 24.2

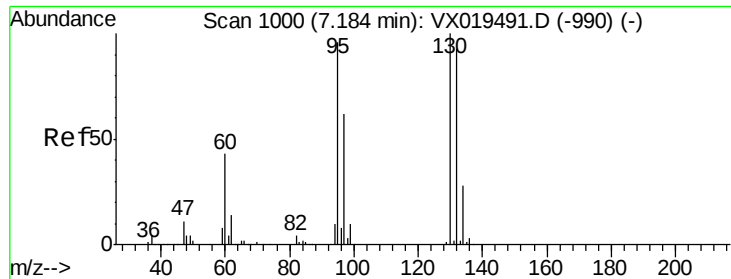


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

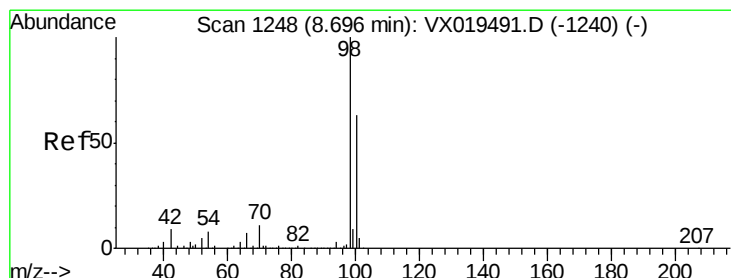
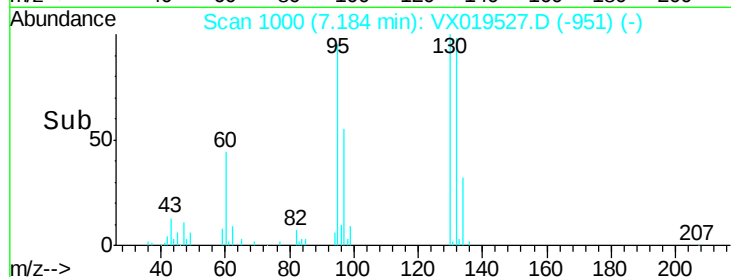
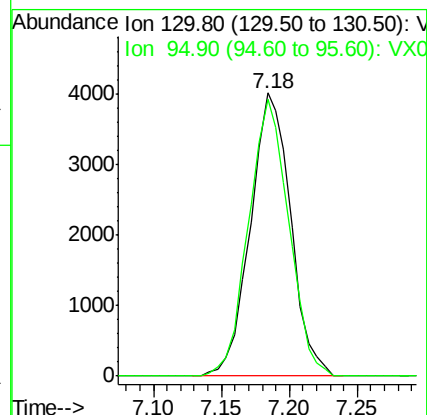
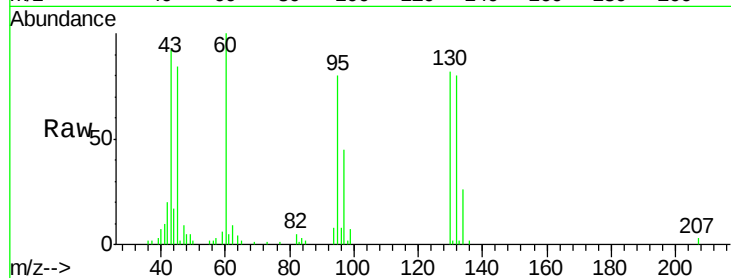




#44
 Trichloroethene
 Concen: 1.993 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX019527.D
 Acq: 21 Nov 2020 05:07

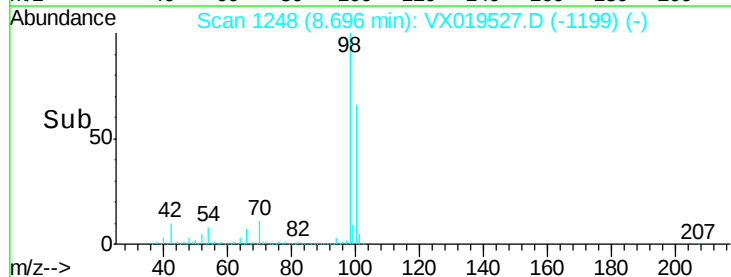
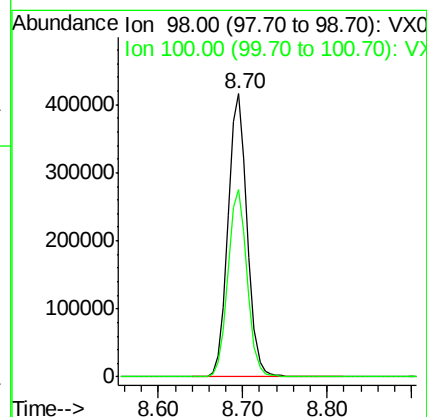
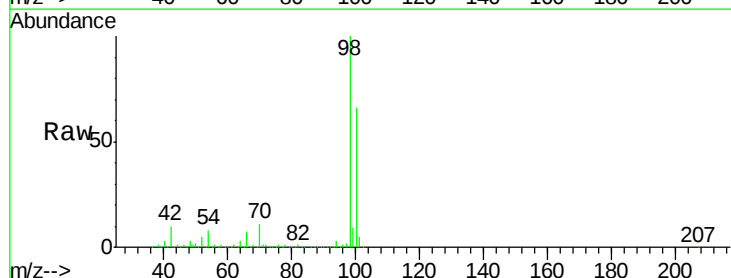
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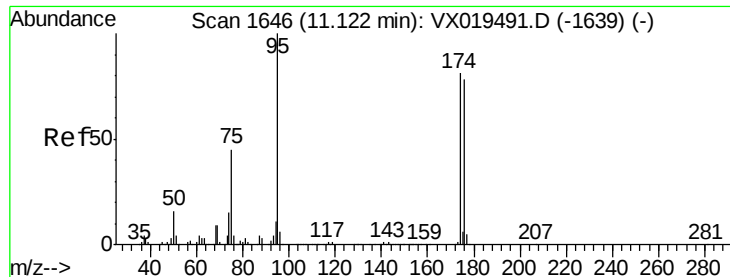
Tot Ion:130 Resp: 8326
 Ion Ratio Lower Upper
 130 100
 95 97.9 0.0 191.2



#50
 Toluene-d8
 Concen: 48.176 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VX019527.D
 Acq: 21 Nov 2020 05:07

Tgt Ion: 98 Resp: 650626
 Ion Ratio Lower Upper
 98 100
 100 66.2 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 49.780 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019527.D

Acq: 21 Nov 2020 05:07

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW181S-GW-20201117

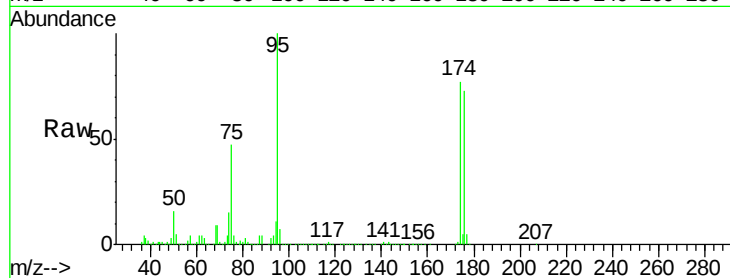
Tot Ion: 95 Resp: 241876

Ion Ratio Lower Upper

95 100

174 76.1 0.0 156.2

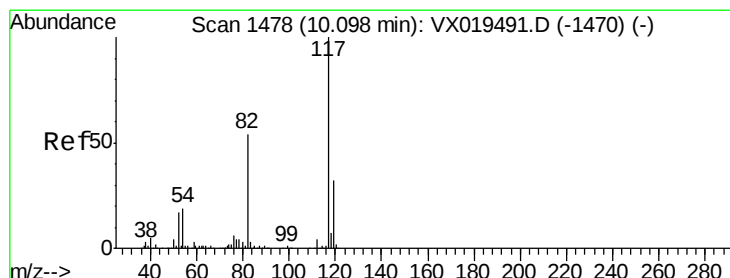
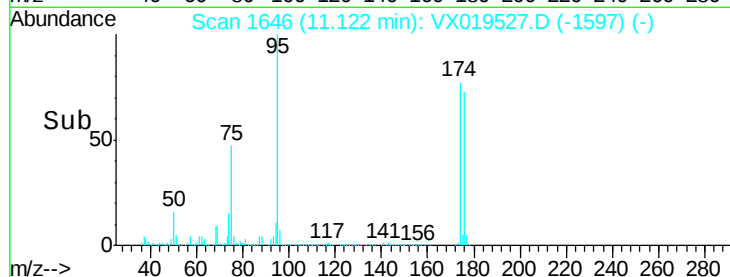
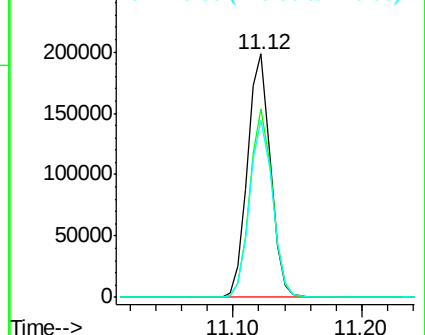
176 73.1 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019527.D

Acq: 21 Nov 2020 05:07

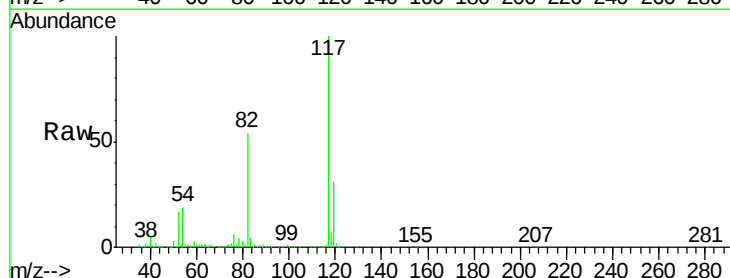
Tgt Ion: 117 Resp: 482899

Ion Ratio Lower Upper

117 100

82 54.2 43.0 64.4

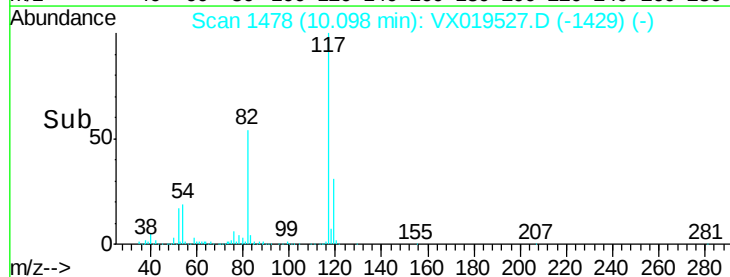
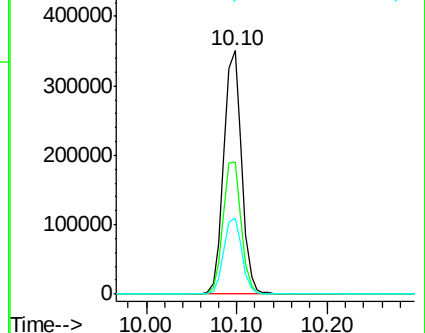
119 31.3 25.6 38.4

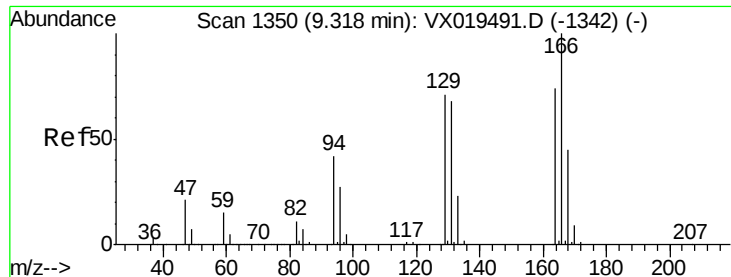


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#64

Tetrachloroethene

Concen: 0.621 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019527.D

Acq: 21 Nov 2020 05:07

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW181S-GW-20201117

Tot Ion:164 Resp: 2357

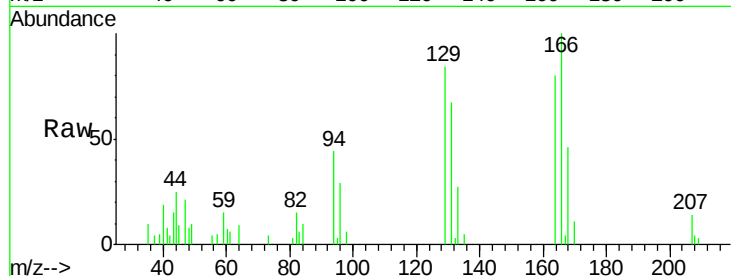
Ion Ratio Lower Upper

164 100

166 125.0 107.4 161.0

129 105.3 76.6 114.8

131 83.4 72.6 108.8



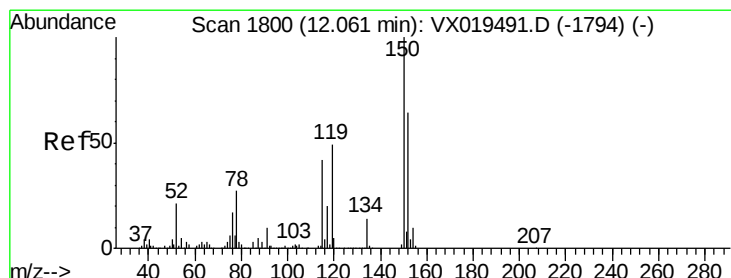
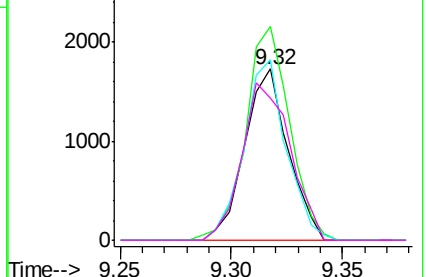
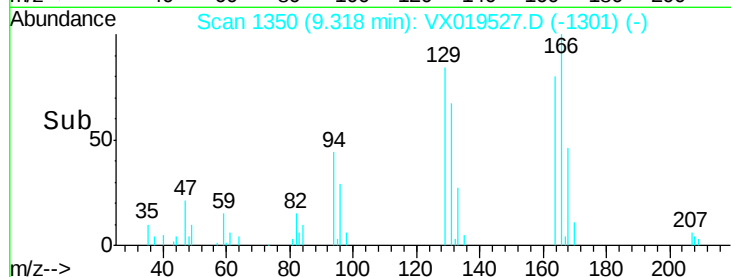
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019527.D

Acq: 21 Nov 2020 05:07

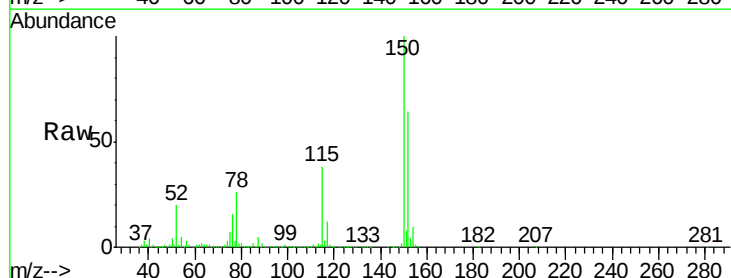
Tgt Ion:152 Resp: 234204

Ion Ratio Lower Upper

152 100

115 61.2 41.8 125.4

150 160.4 0.0 348.2

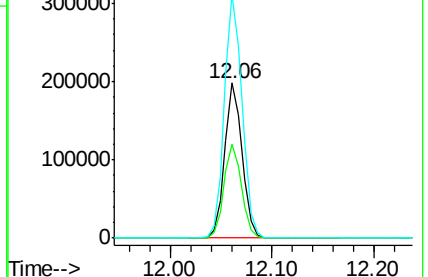
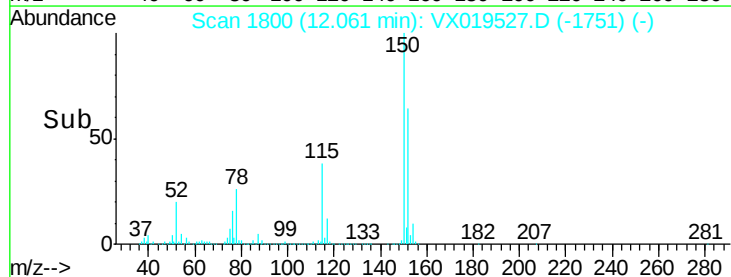


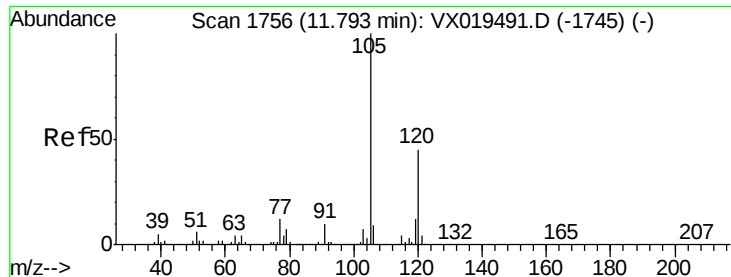
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 0.335 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019527.D

Acq: 21 Nov 2020 05:07

Instrument :

MSVOA_X

ClientSampleId :

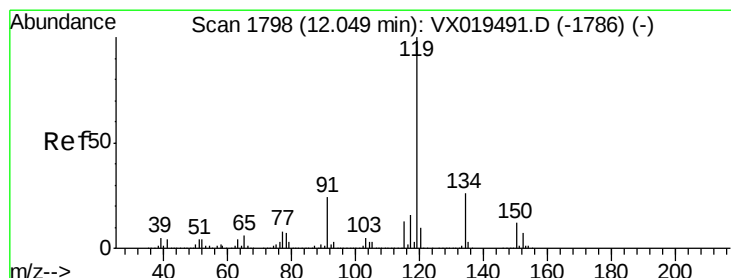
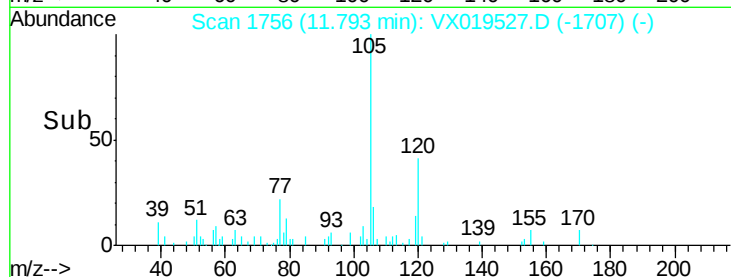
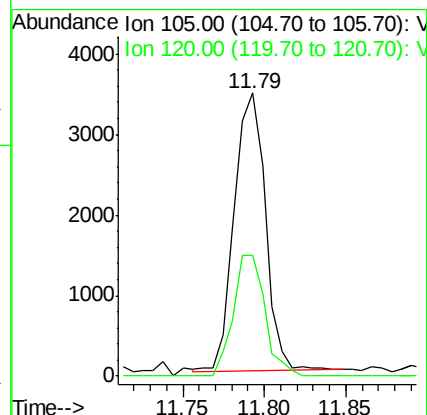
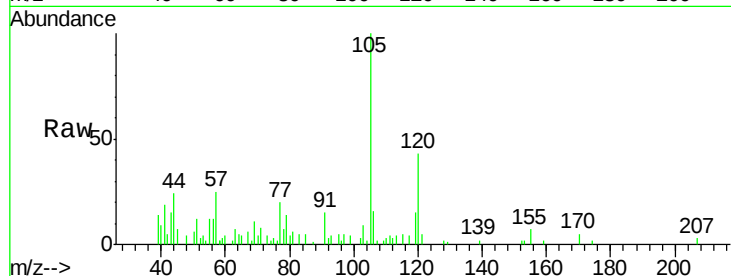
BP-TT-MW181S-GW-20201117

Tot Ion:105 Resp: 4607

Ion Ratio Lower Upper

105 100

120 44.1 22.2 66.6



#86

p-Isopropyltoluene

Concen: 0.202 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019527.D

Acq: 21 Nov 2020 05:07

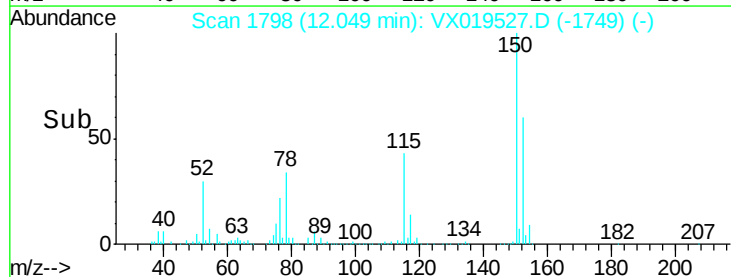
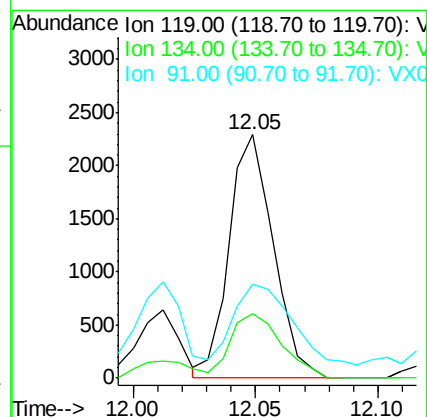
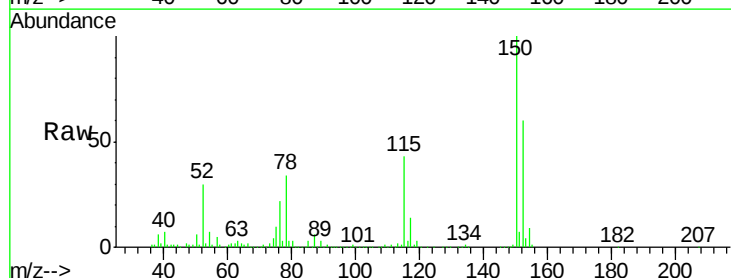
Tgt Ion:119 Resp: 2870

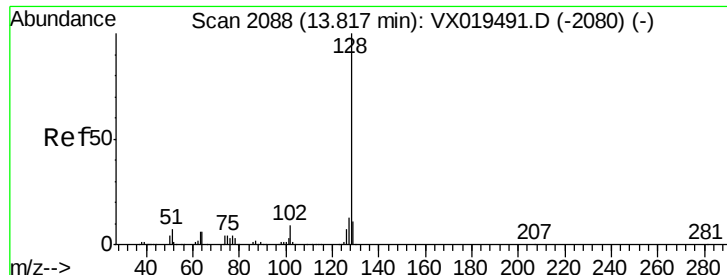
Ion Ratio Lower Upper

119 100

134 30.5 13.1 39.3

91 43.6 11.8 35.4#





#95

Naphthalene

Concen: 3.107 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019527.D

Acq: 21 Nov 2020 05:07

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW181S-GW-20201117

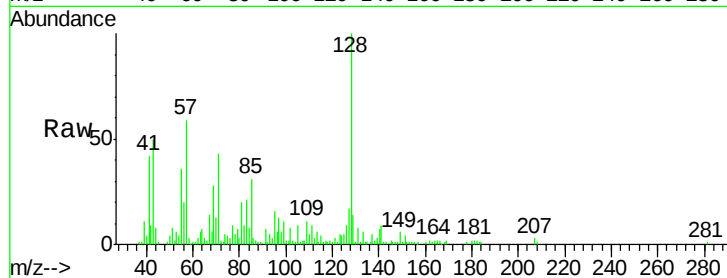
Tot Ion:128 Resp: 16780

Ion Ratio Lower Upper

128 100

127 16.0 10.3 15.5#

129 14.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

