

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121020\
 Data File : VX019818.D
 Acq On : 10 Dec 2020 12:24
 Operator : JC/MD
 Sample : L4996-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20201207

Quant Time: Dec 11 01:20:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	328361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	548573	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	496633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	217210	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	206435	47.83	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.66%		
35) Dibromofluoromethane	5.46	113	167507	47.25	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.50%		
50) Toluene-d8	8.70	98	652026	48.17	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.34%		
62) 4-Bromofluorobenzene	11.12	95	232449	45.12	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.24%		

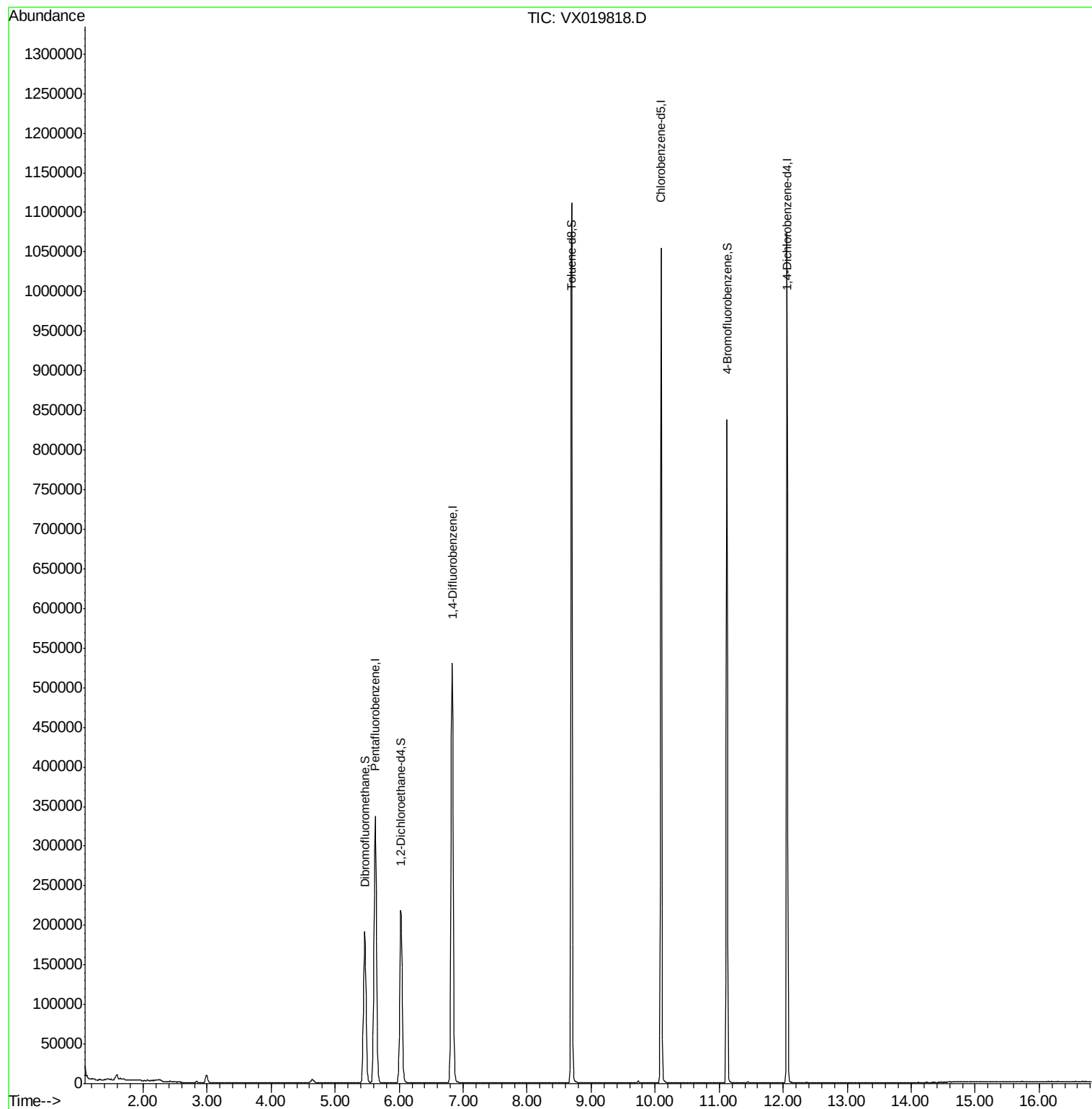
Target Compounds	Qvalue

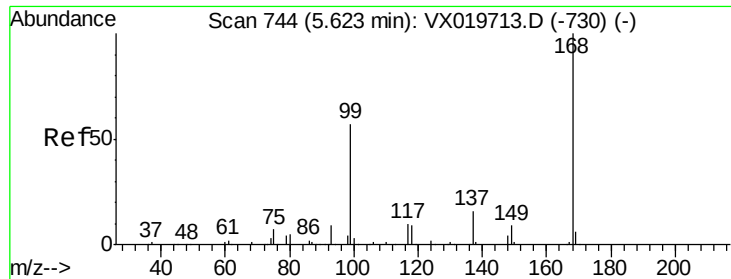
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 04 15:32:53 2020
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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: VX019818.D

Acq: 10 Dec 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

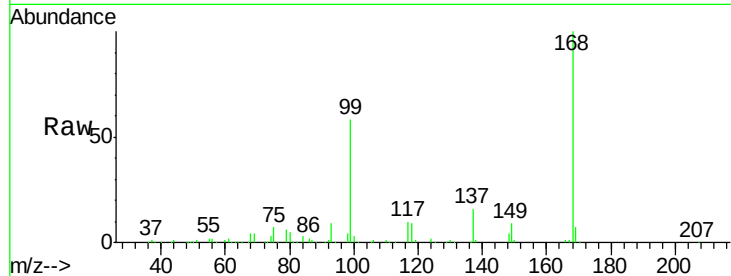
TB-20201207

Tot Ion:168 Resp: 328361

Ion Ratio Lower Upper

168 100

99 58.2 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

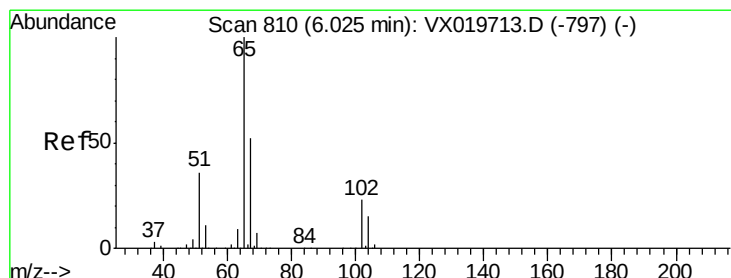
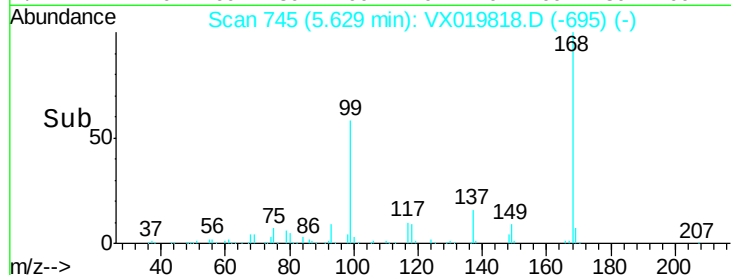
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 47.834 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019818.D

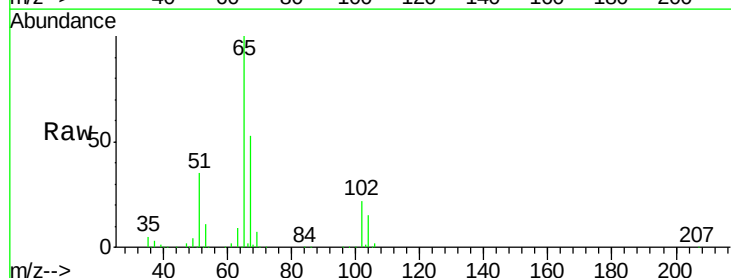
Acq: 10 Dec 2020 12:24

Tgt Ion: 65 Resp: 206435

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

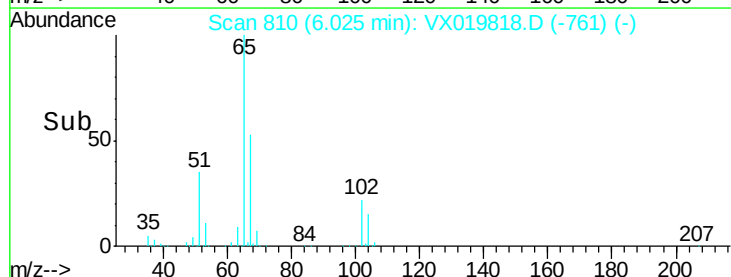
40000

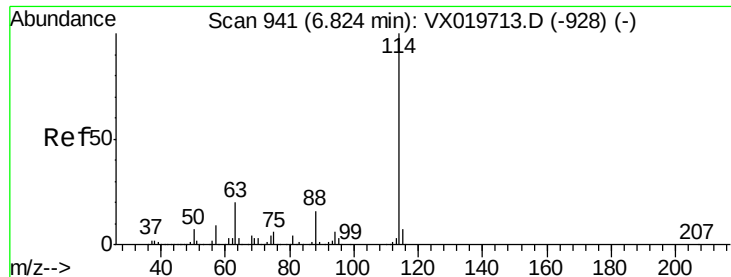
20000

0

Time-->

6.00 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019818.D

Acq: 10 Dec 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

TB-20201207

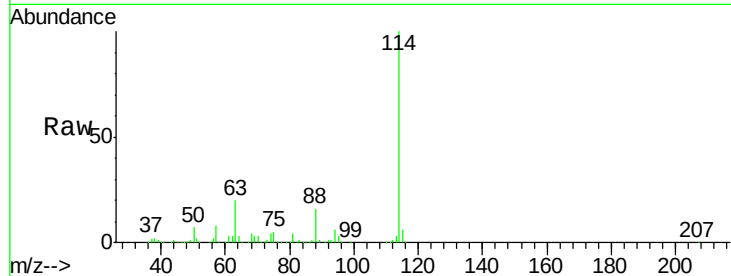
Tot Ion:114 Resp: 548573

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 16.5 0.0 32.8



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

300000

250000

200000

150000

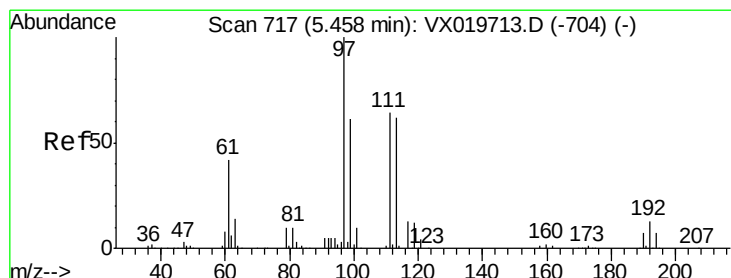
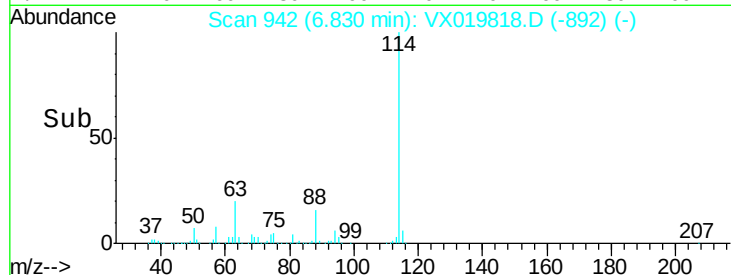
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 47.247 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019818.D

Acq: 10 Dec 2020 12:24

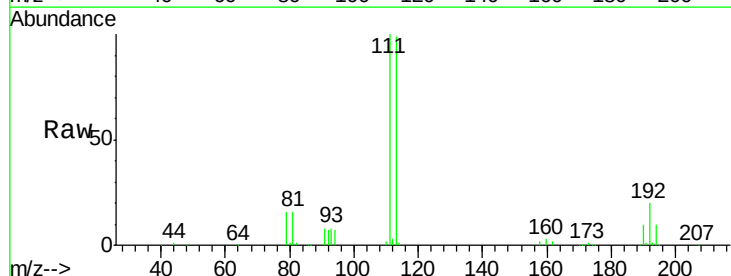
Tgt Ion:113 Resp: 167507

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

192 20.3 16.7 25.1



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

80000

60000

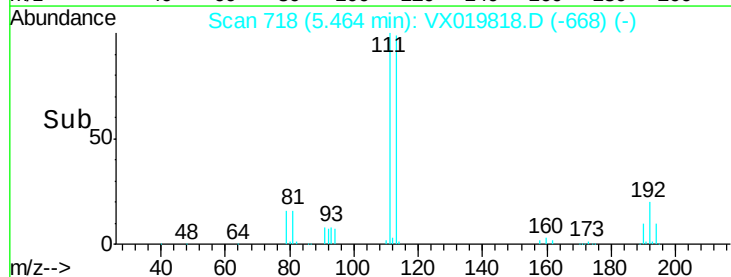
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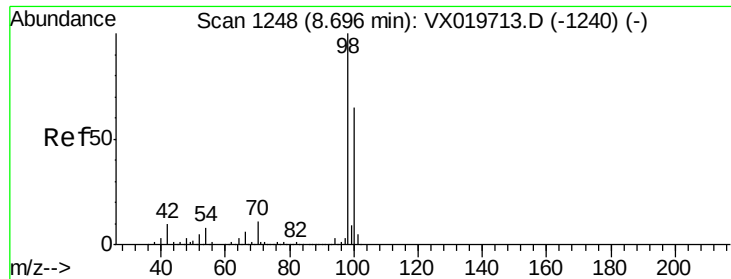
20000

0

5.30 5.40 5.50 5.60

Time-->

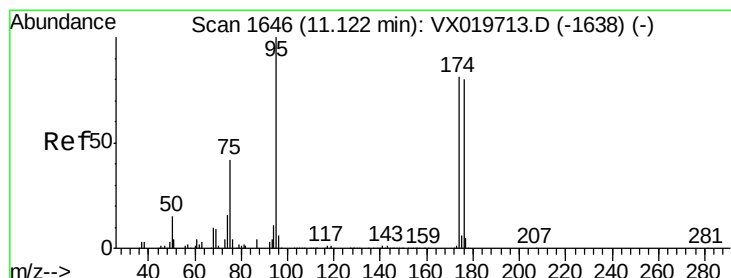
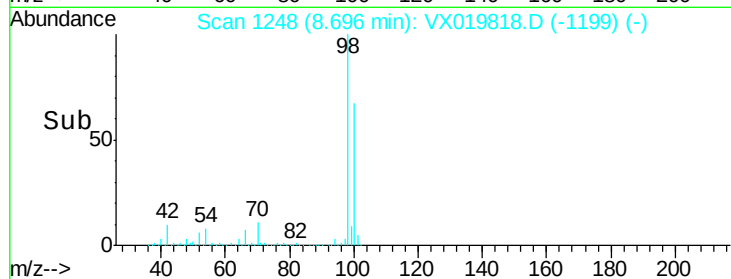
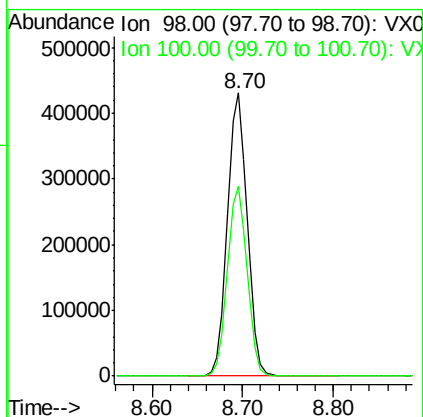
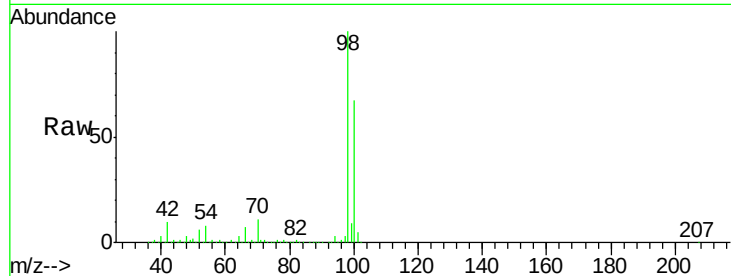




#50
Toluene-d8
Concen: 48.173 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019818.D
Acq: 10 Dec 2020 12:24

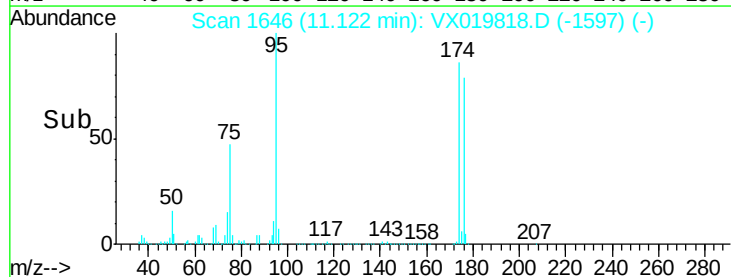
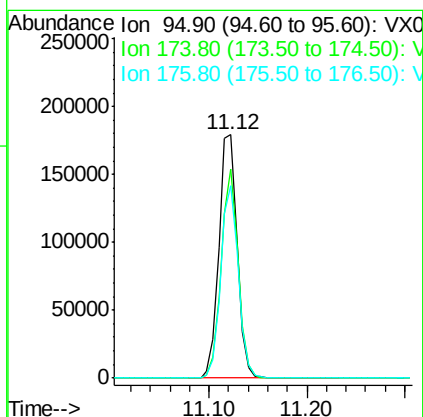
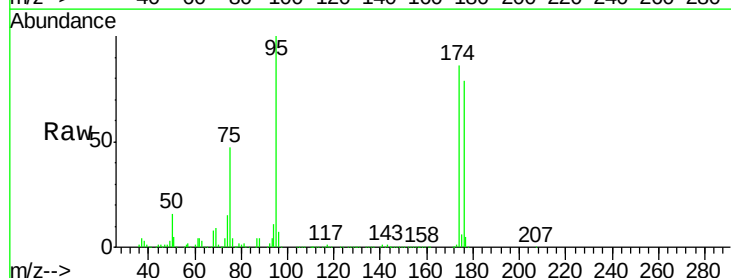
Instrument :
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TB-20201207

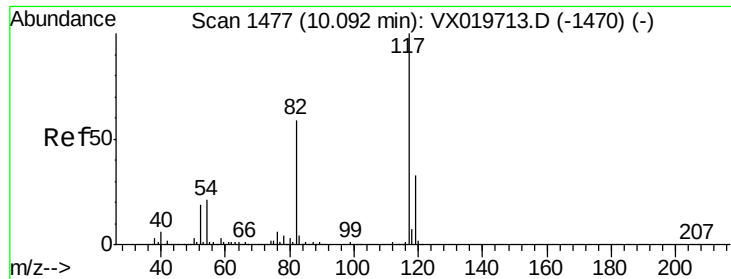
Tot Ion: 98 Resp: 652026
Ion Ratio Lower Upper
98 100
100 67.0 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.121 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019818.D
Acq: 10 Dec 2020 12:24

Tgt Ion: 95 Resp: 232449
Ion Ratio Lower Upper
95 100
174 79.9 0.0 154.6
176 75.4 0.0 155.8

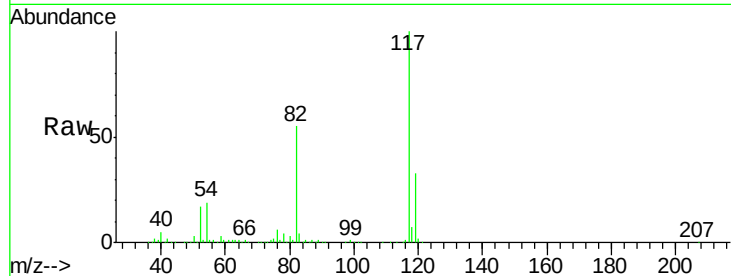




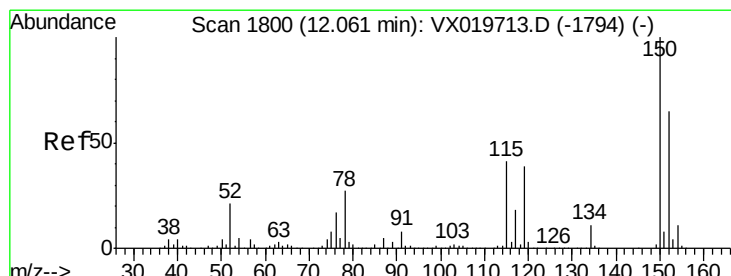
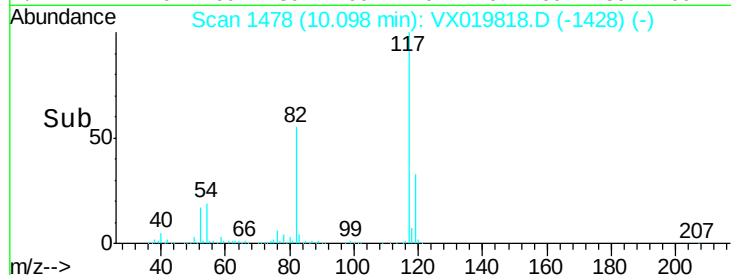
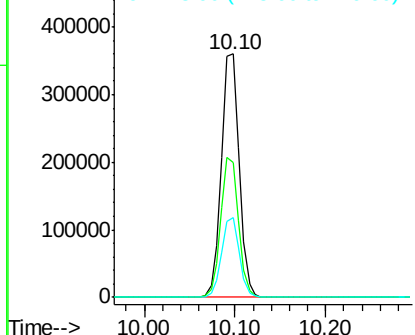
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019818.D
Acq: 10 Dec 2020 12:24

Instrument :
MSVOA_X
ClientSampleId :
TB-20201207

Tot Ion:117 Resp: 496633
Ion Ratio Lower Upper
117 100
82 55.5 47.4 71.2
119 32.5 26.6 39.8

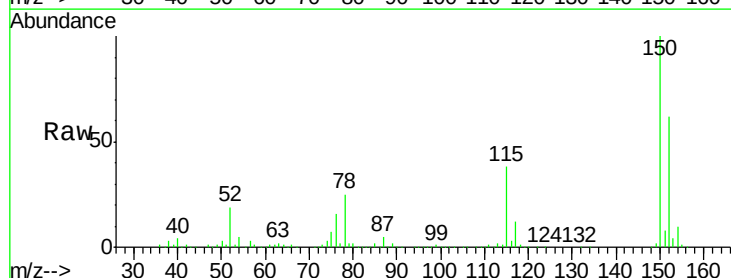


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019818.D
Acq: 10 Dec 2020 12:24

Tgt Ion:152 Resp: 217210
Ion Ratio Lower Upper
152 100
115 60.6 41.1 123.3
150 160.6 0.0 349.0



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

