

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010270.D
 Acq On : 13 Jun 2019 14:16
 Operator : JC/SP
 Sample : K3309-17 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0527-190611

Quant Time: Jun 14 03:50:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	316170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	476808	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	426446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195317	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	142114	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	
35) Dibromofluoromethane	5.49	113	145389	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	8.71	98	554371	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	11.13	95	185151	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	

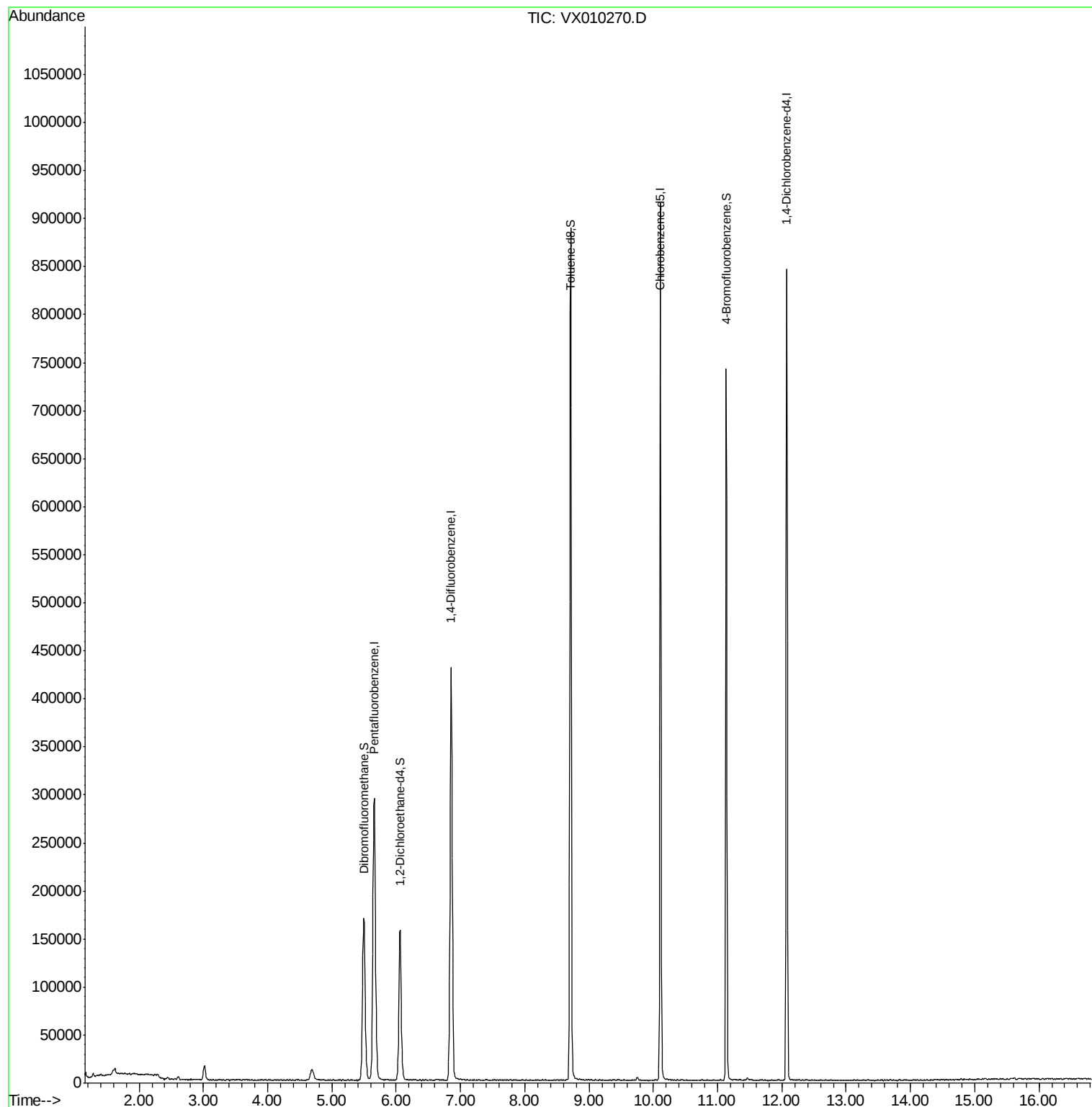
Target Compounds	Qvalue
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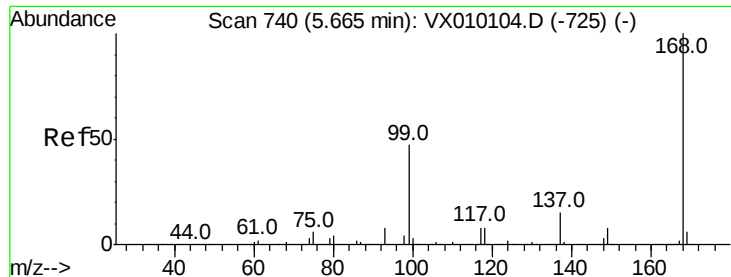
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010270.D

Acq: 13 Jun 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

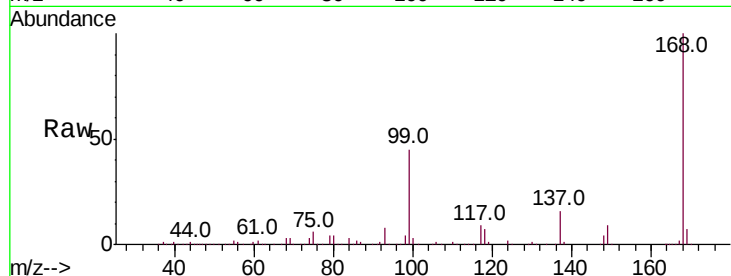
DUP-0527-190611

Tot Ion:168 Resp: 316170

Ion Ratio Lower Upper

168 100

99 45.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

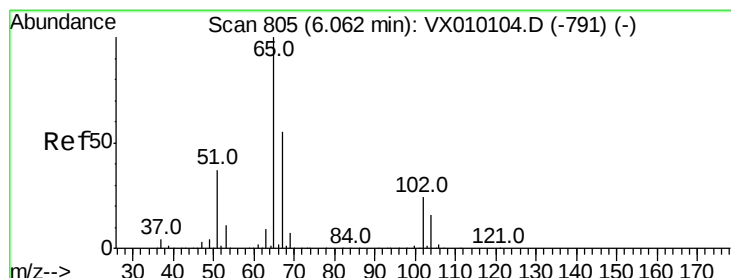
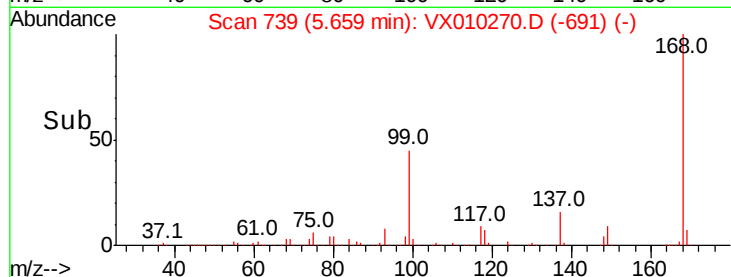
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 46.049 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010270.D

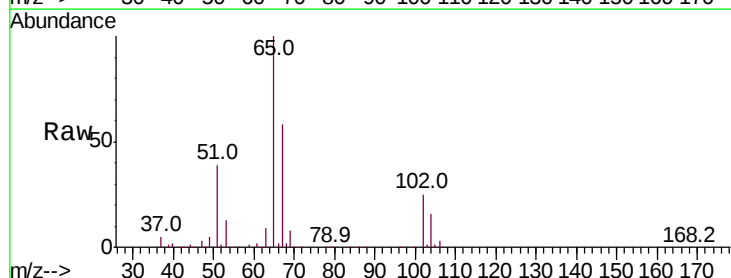
Acq: 13 Jun 2019 14:16

Tgt Ion: 65 Resp: 142114

Ion Ratio Lower Upper

65 100

67 55.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

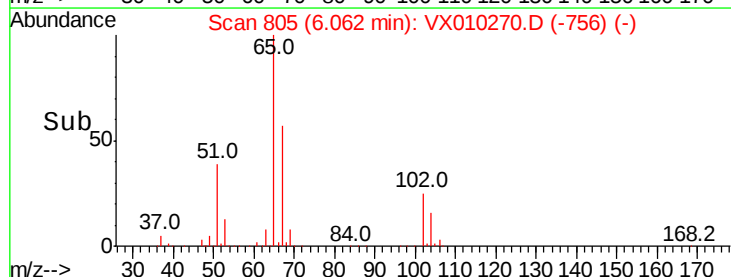
30000

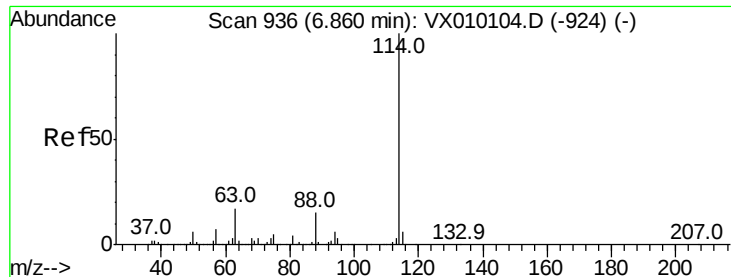
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010270.D

Acq: 13 Jun 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0527-190611

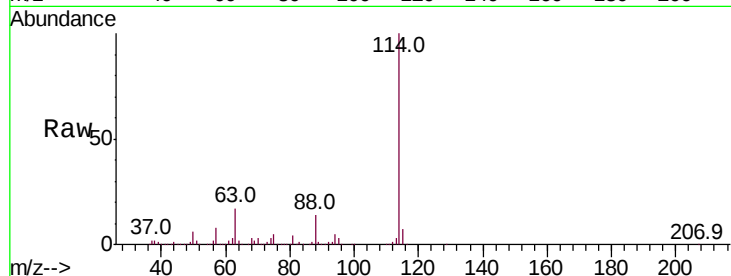
Tot Ion:114 Resp: 476808

Ion Ratio Lower Upper

114 100

63 17.2 0.0 47.4

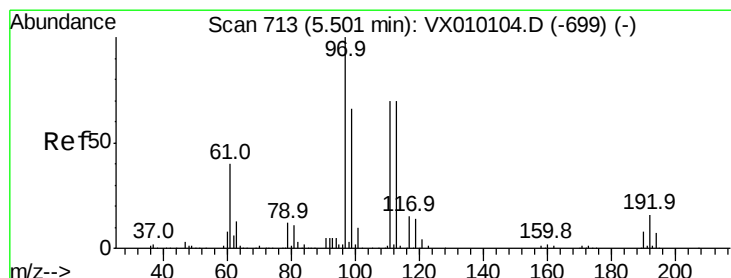
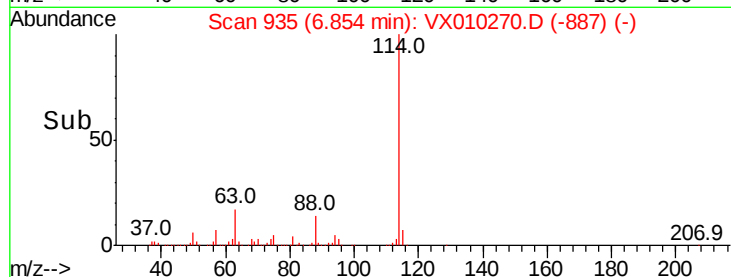
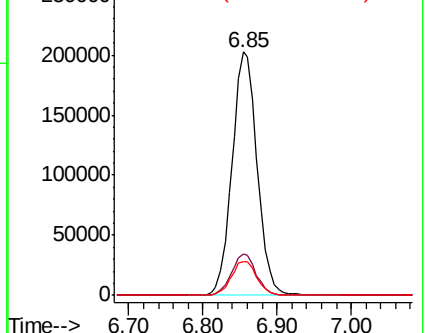
88 14.1 0.0 33.0



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: 49.434 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010270.D

Acq: 13 Jun 2019 14:16

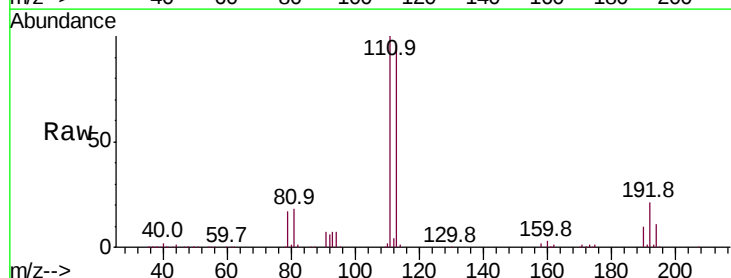
Tgt Ion:113 Resp: 145389

Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.2

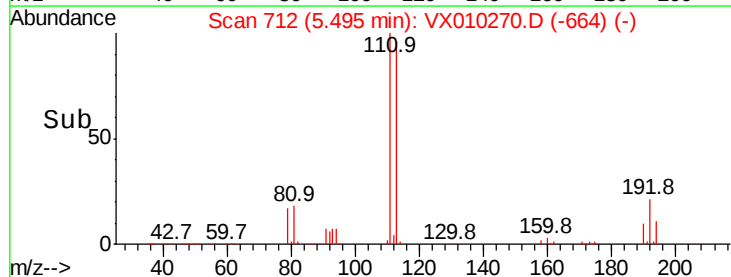
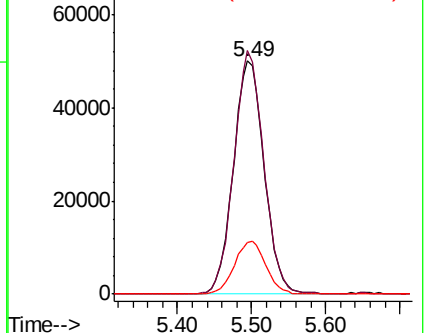
192 23.2 17.1 25.7

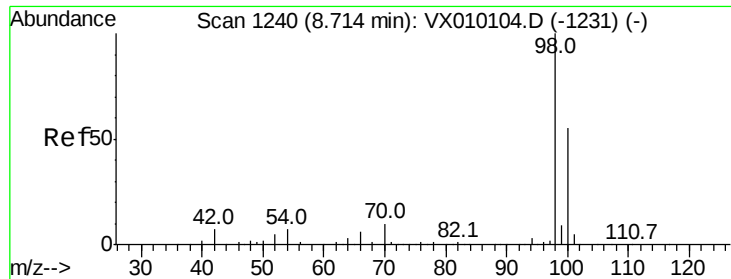


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

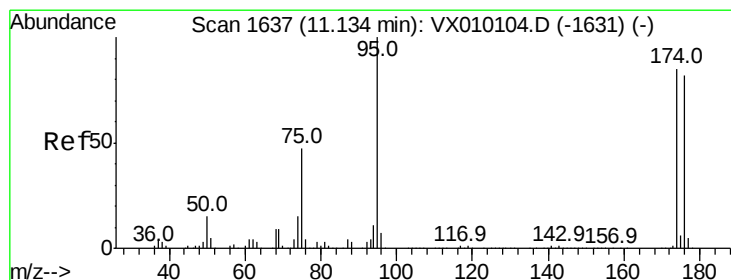
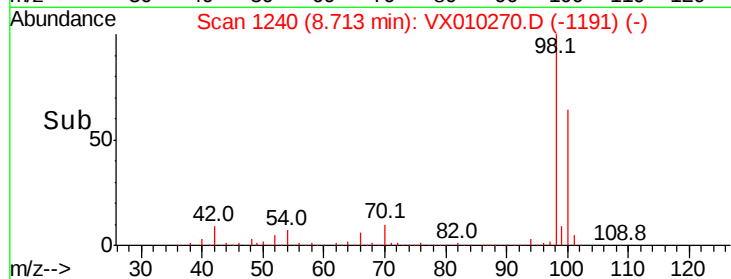
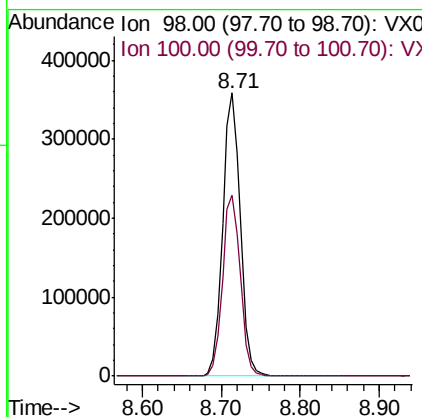
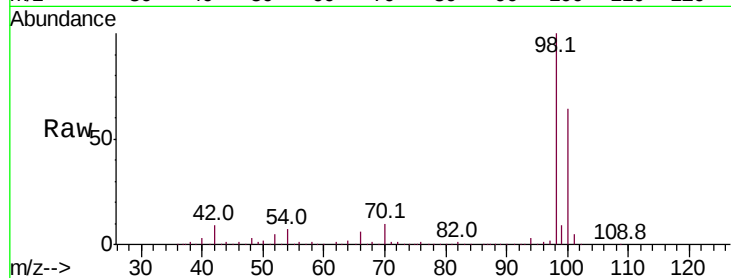




#50
Toluene-d8
Concen: 50.294 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010270.D
Acq: 13 Jun 2019 14:16

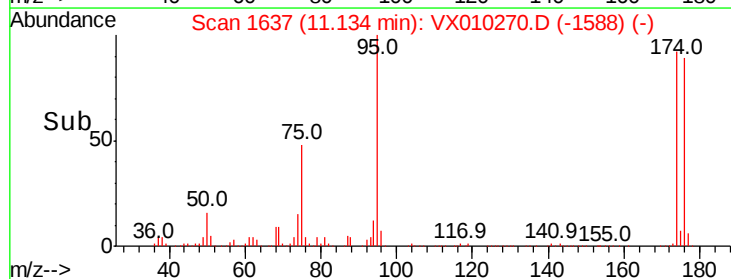
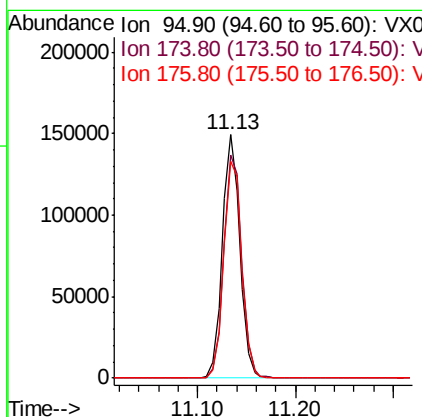
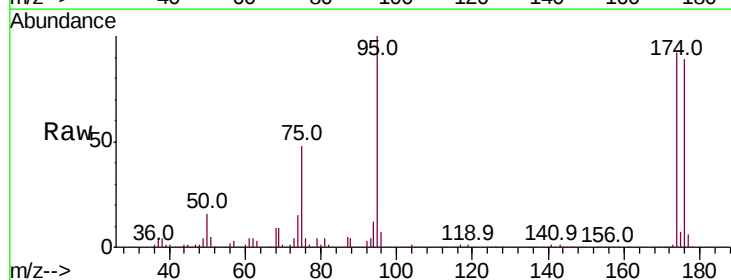
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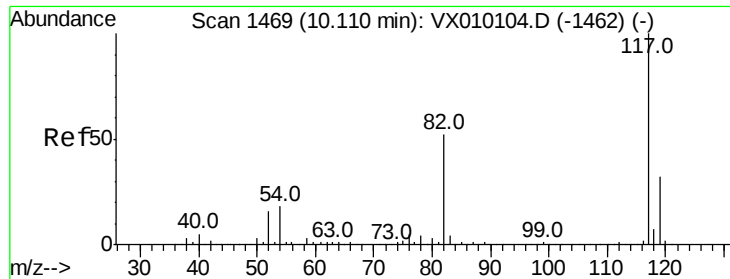
Tot Ion: 98 Resp: 554371
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 44.978 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010270.D
Acq: 13 Jun 2019 14:16

Tgt Ion: 95 Resp: 185151
Ion Ratio Lower Upper
95 100
174 93.8 0.0 160.4
176 92.1 0.0 154.6

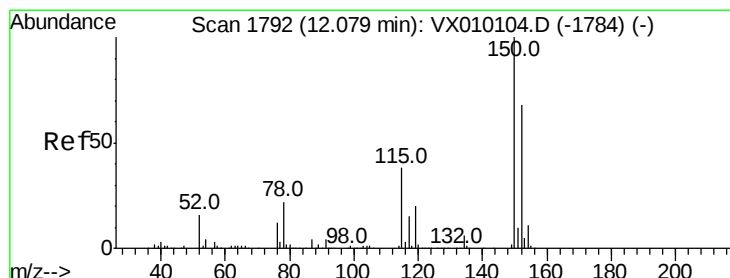
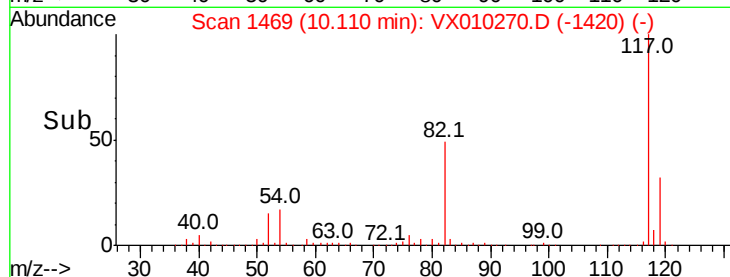
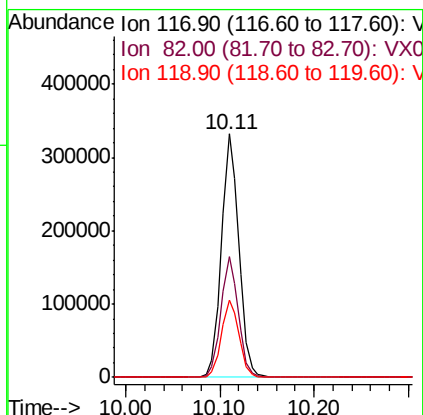
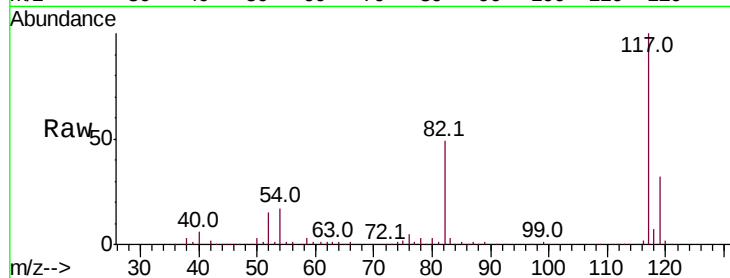




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010270.D
Acq: 13 Jun 2019 14:16

Instrument :
MSVOA_X
ClientSampleId :
DUP-0527-190611

Tot Ion:117 Resp: 426446
Ion Ratio Lower Upper
117 100
82 49.3 49.2 73.8
119 31.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010270.D
Acq: 13 Jun 2019 14:16

Tgt Ion:152 Resp: 195317
Ion Ratio Lower Upper
152 100
115 53.7 41.4 124.2
150 156.0 0.0 345.2

