

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090119\
 Data File : VX011991.D
 Acq On : 01 Sep 2019 14:43
 Operator : SY/SP
 Sample : K4528-14
 Misc : 5.85g/5.0mL/MSVOA X/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-S4-(0)

Quant Time: Sep 02 04:28:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

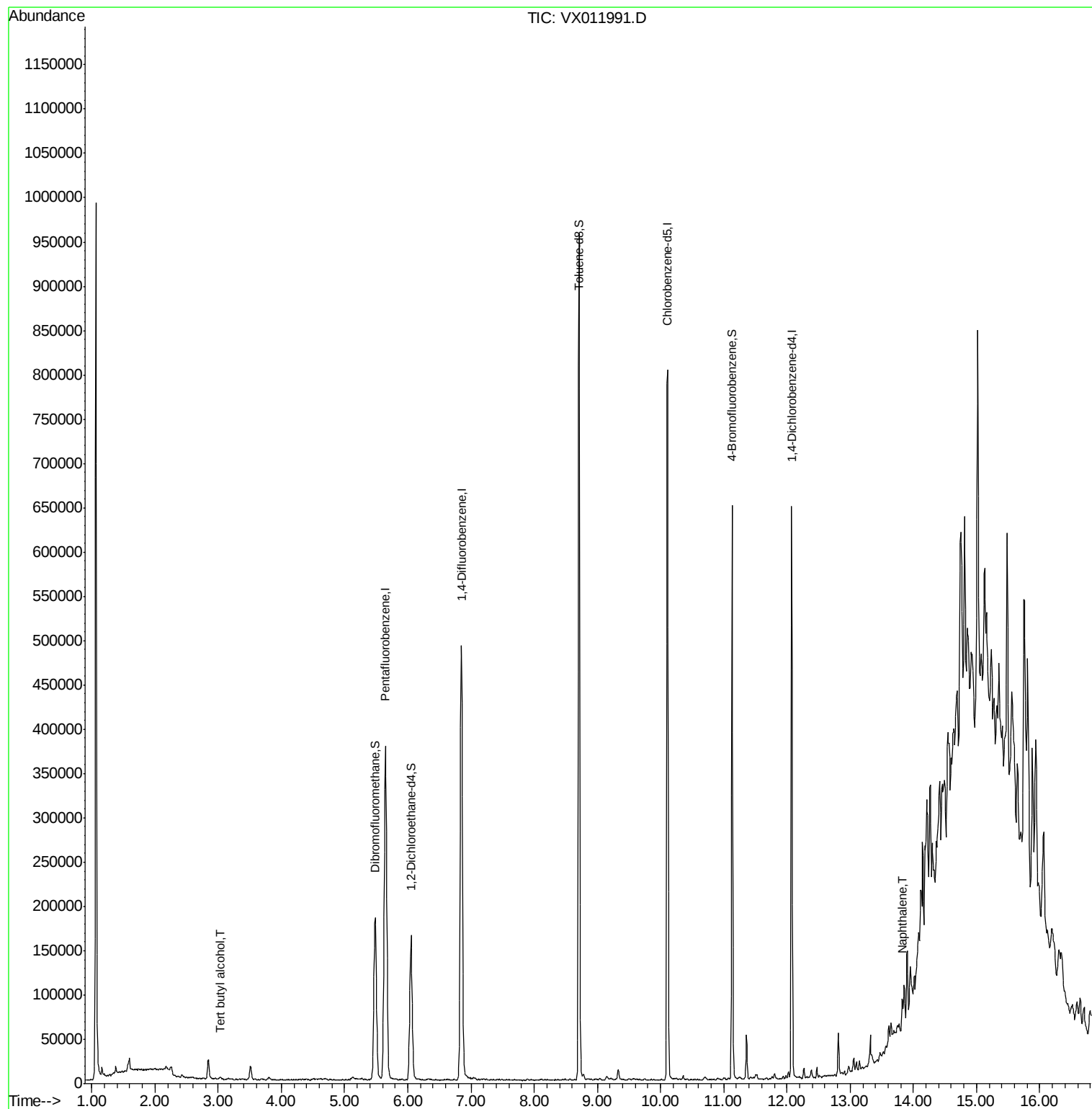
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	405449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	515882	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	392714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	139923	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	160546	41.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.66%	
35) Dibromofluoromethane	5.48	113	150450	45.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.96%	
50) Toluene-d8	8.71	98	552174	46.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.38%	
62) 4-Bromofluorobenzene	11.14	95	160016	30.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.70%	
Target Compounds						
11) Tert butyl alcohol	3.03	59	2578	6.898	ug/l	95
95) Naphthalene	13.83	128	7539	1.295	ug/l #	89

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011991.D

Acq: 01 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

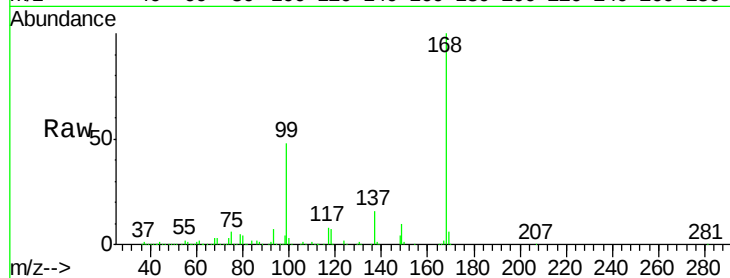
T9-12-13-S4-(0)

Tot Ion:168 Resp: 405449

Ion Ratio Lower Upper

168 100

99 47.9 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

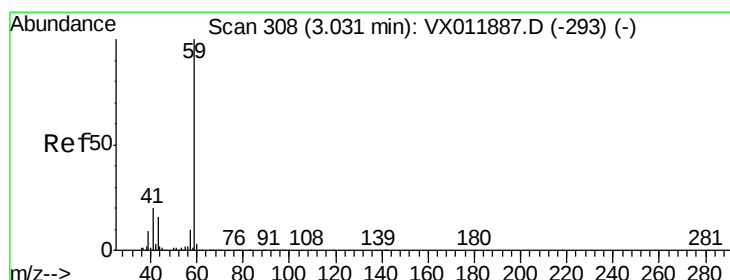
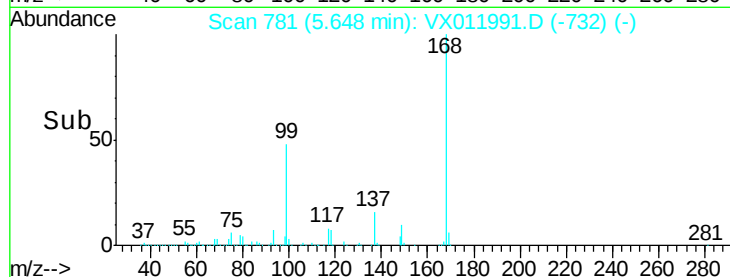
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 6.898 ug/l

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX011991.D

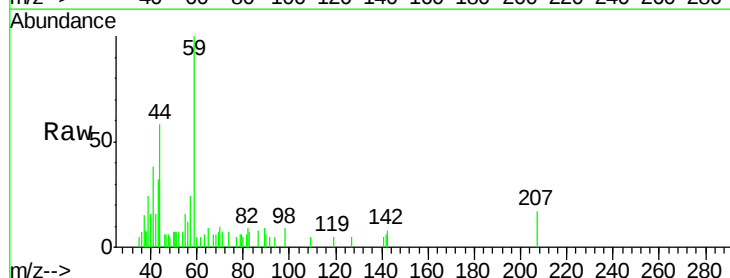
Acq: 01 Sep 2019 14:43

Tgt Ion: 59 Resp: 2578

Ion Ratio Lower Upper

59 100

57 9.0 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

1200

1000

800

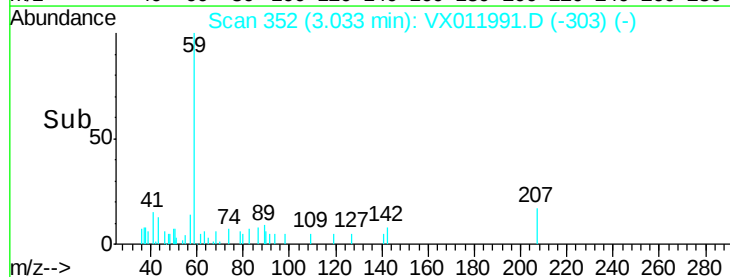
600

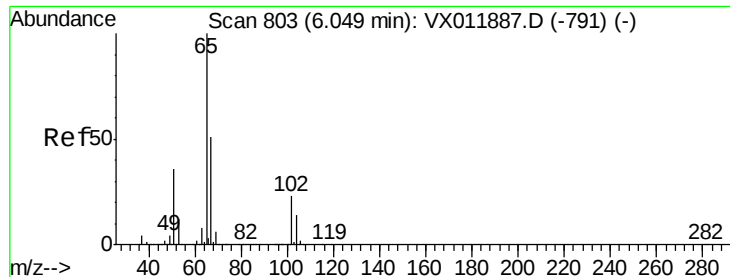
400

200

0

Time-->

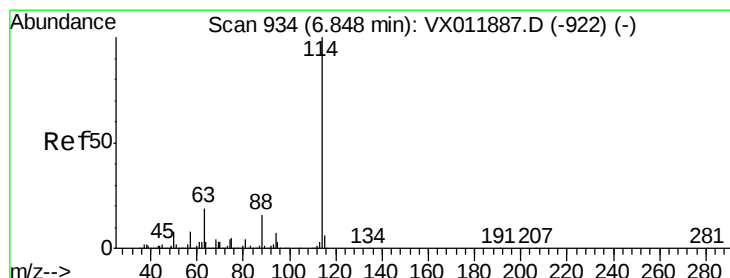
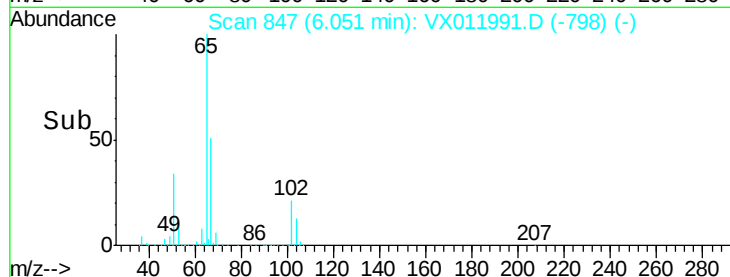
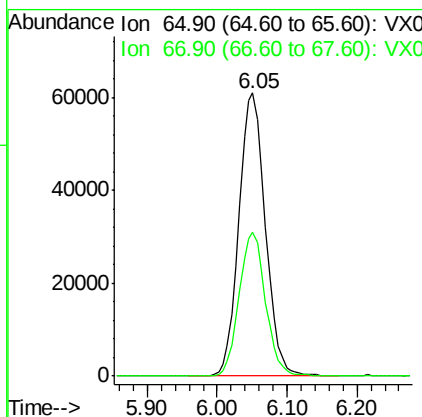
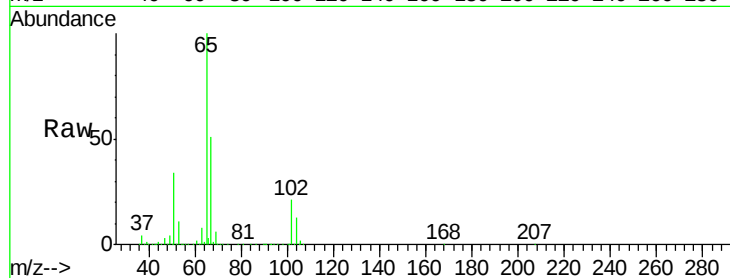




#33
 1,2-Dichloroethane-d4
 Concen: 41.329 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011991.D
 Acq: 01 Sep 2019 14:43

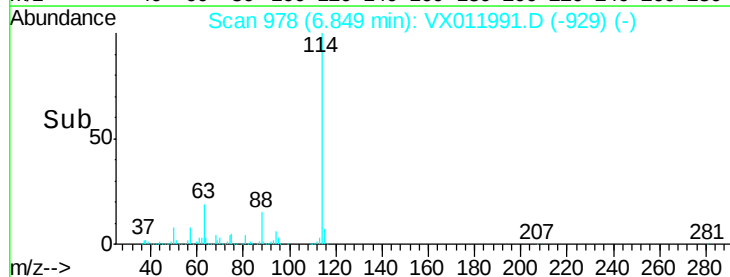
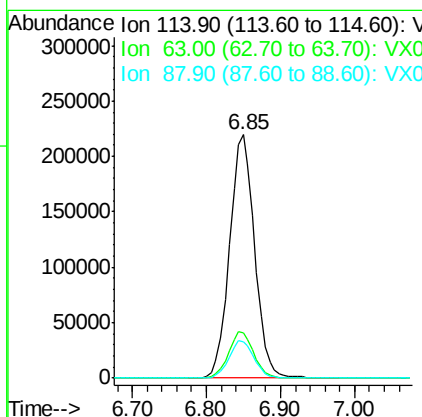
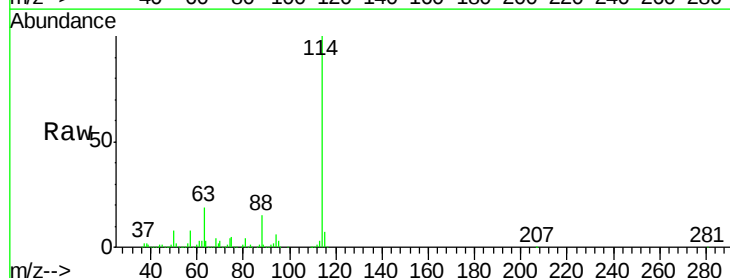
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-S4-(0)

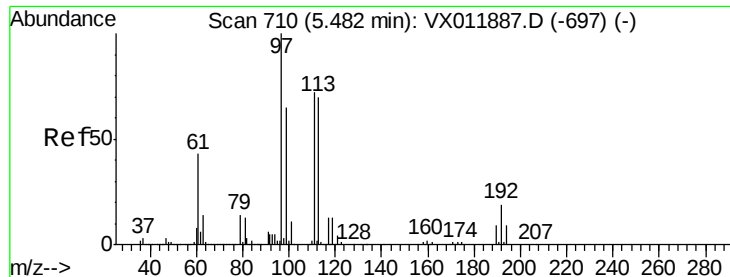
Tot Ion: 65 Resp: 160546
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011991.D
 Acq: 01 Sep 2019 14:43

Tgt Ion: 114 Resp: 515882
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.8
 88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 45.480 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011991.D

Acq: 01 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-S4-(0)

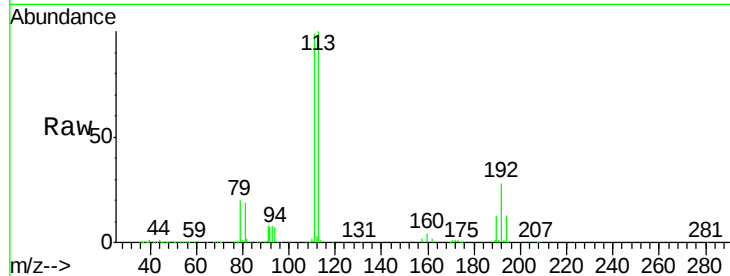
Tot Ion:113 Resp: 150450

Ion Ratio Lower Upper

113 100

111 101.7 82.1 123.1

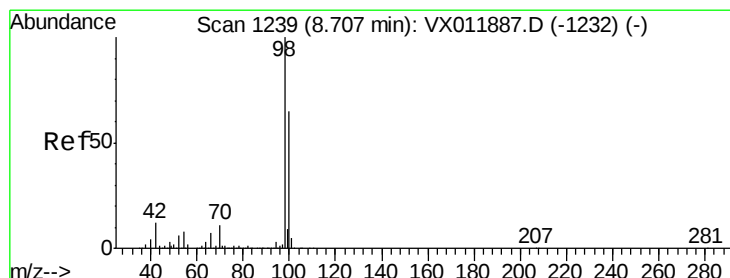
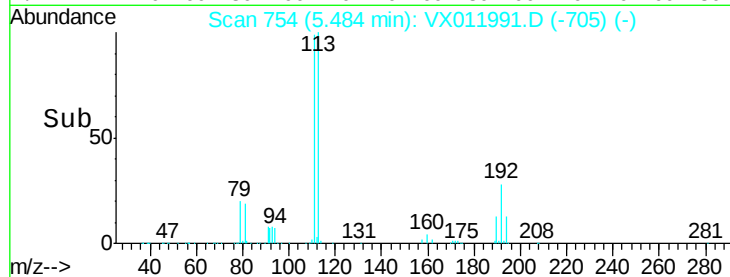
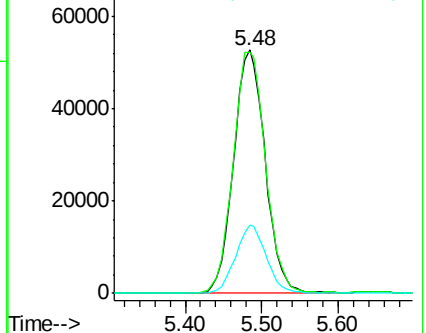
192 27.5 21.5 32.3



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



#50

Toluene-d8

Concen: 46.695 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011991.D

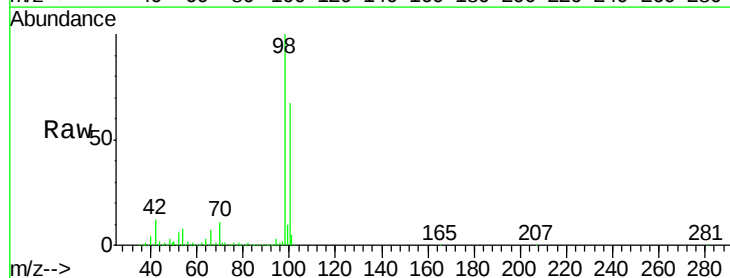
Acq: 01 Sep 2019 14:43

Tgt Ion: 98 Resp: 552174

Ion Ratio Lower Upper

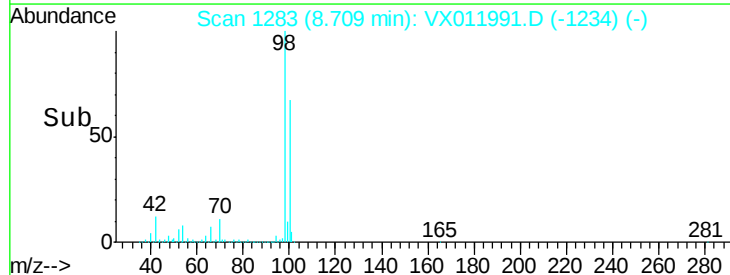
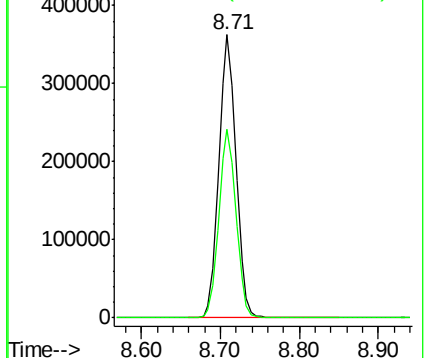
98 100

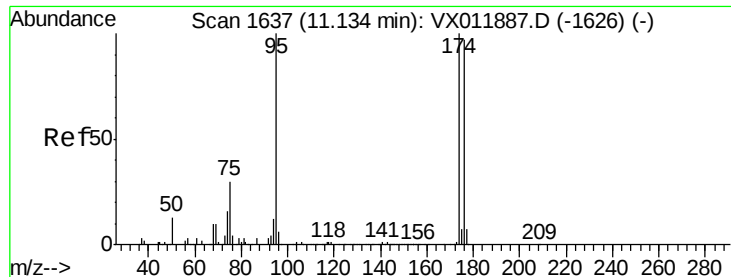
100 66.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 30.848 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011991.D

Acq: 01 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-S4-(0)

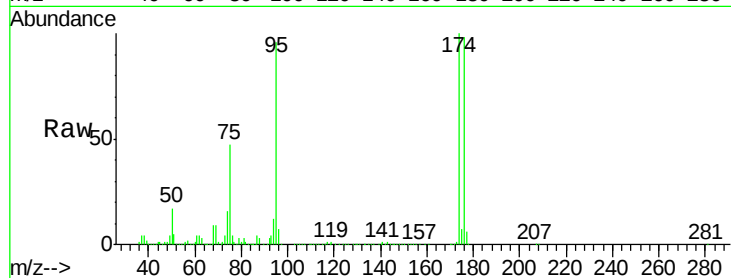
Tot Ion: 95 Resp: 160016

Ion Ratio Lower Upper

95 100

174 100.0 0.0 196.0

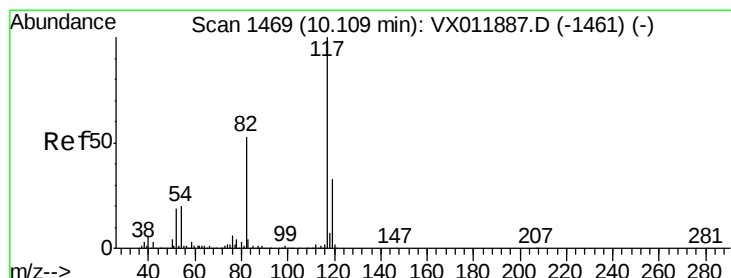
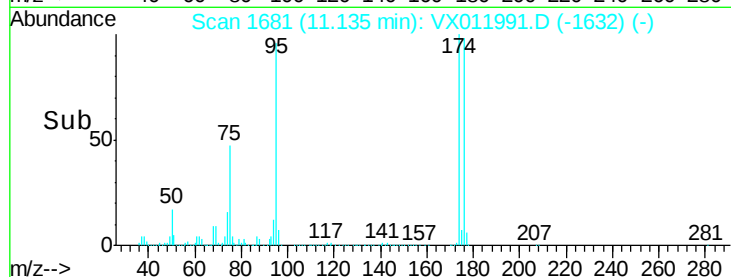
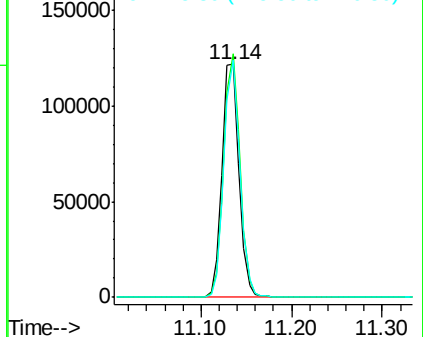
176 96.6 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011991.D

Acq: 01 Sep 2019 14:43

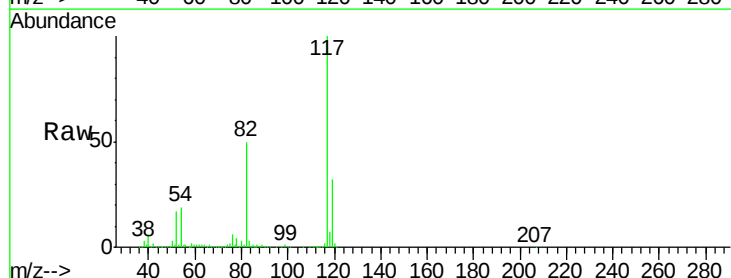
Tgt Ion: 117 Resp: 392714

Ion Ratio Lower Upper

117 100

82 49.6 42.0 63.0

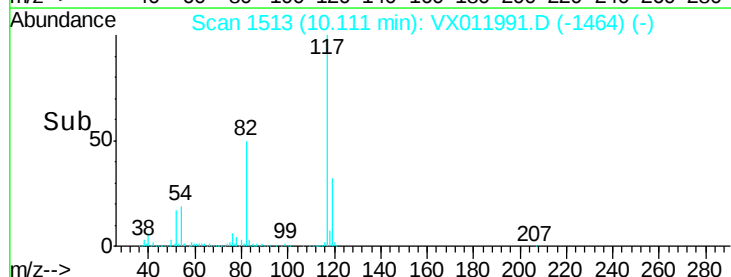
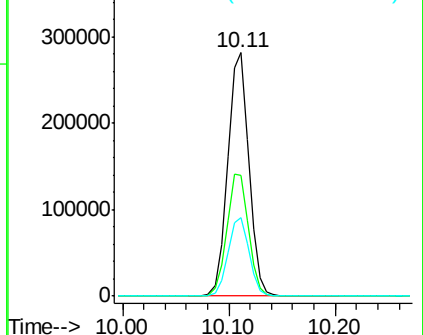
119 32.4 26.2 39.4

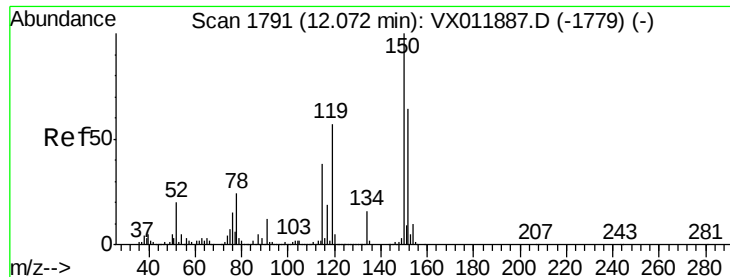


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



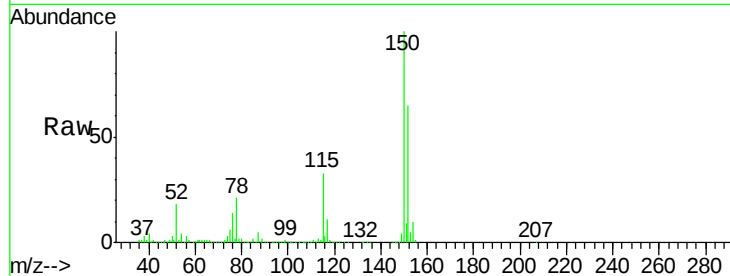


#72

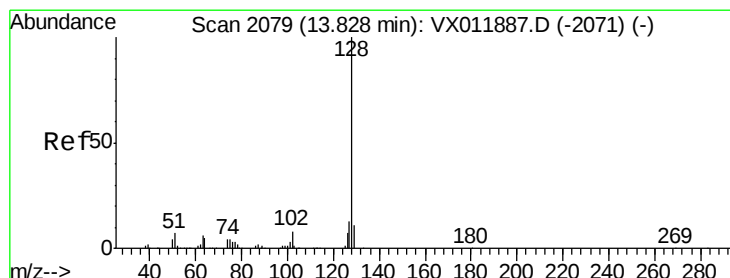
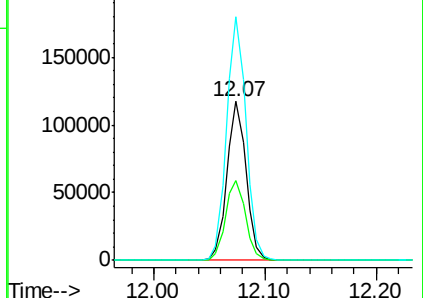
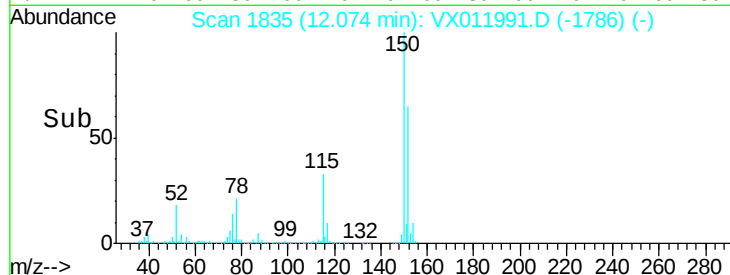
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011991.D
Acq: 01 Sep 2019 14:43

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-S4-(0)

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.5	37.1	111.3
150	155.1	0.0	339.6



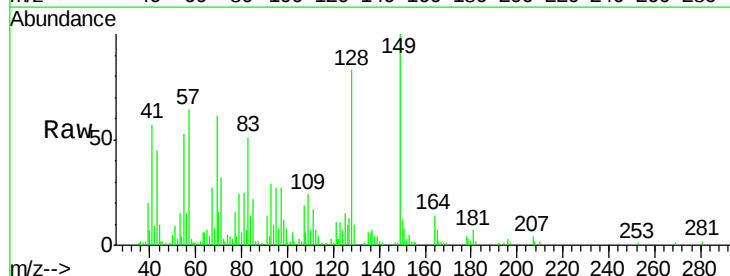
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene
Concen: 1.295 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX011991.D
Acq: 01 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
128	100		
127	19.2	10.4	15.6#
129	13.1	8.8	13.2



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

