

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\
 Data File : VF061239.D
 Acq On : 28 Dec 2018 16:46
 Operator : VA/AP
 Sample : J6546-01
 Misc : 5.74g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0056

Quant Time: Jan 02 13:01:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	279439	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	501926	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	435477	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	237286	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	156069	43.42	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.84%	
35) Dibromofluoromethane	4.13	113	177836	44.23	ug/l	0.02
Spiked Amount 50.000			Recovery	=	88.46%	
50) Toluene-d8	7.57	98	490396	43.04	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.08%	
62) 4-Bromofluorobenzene	11.42	95	231181	44.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.02%	

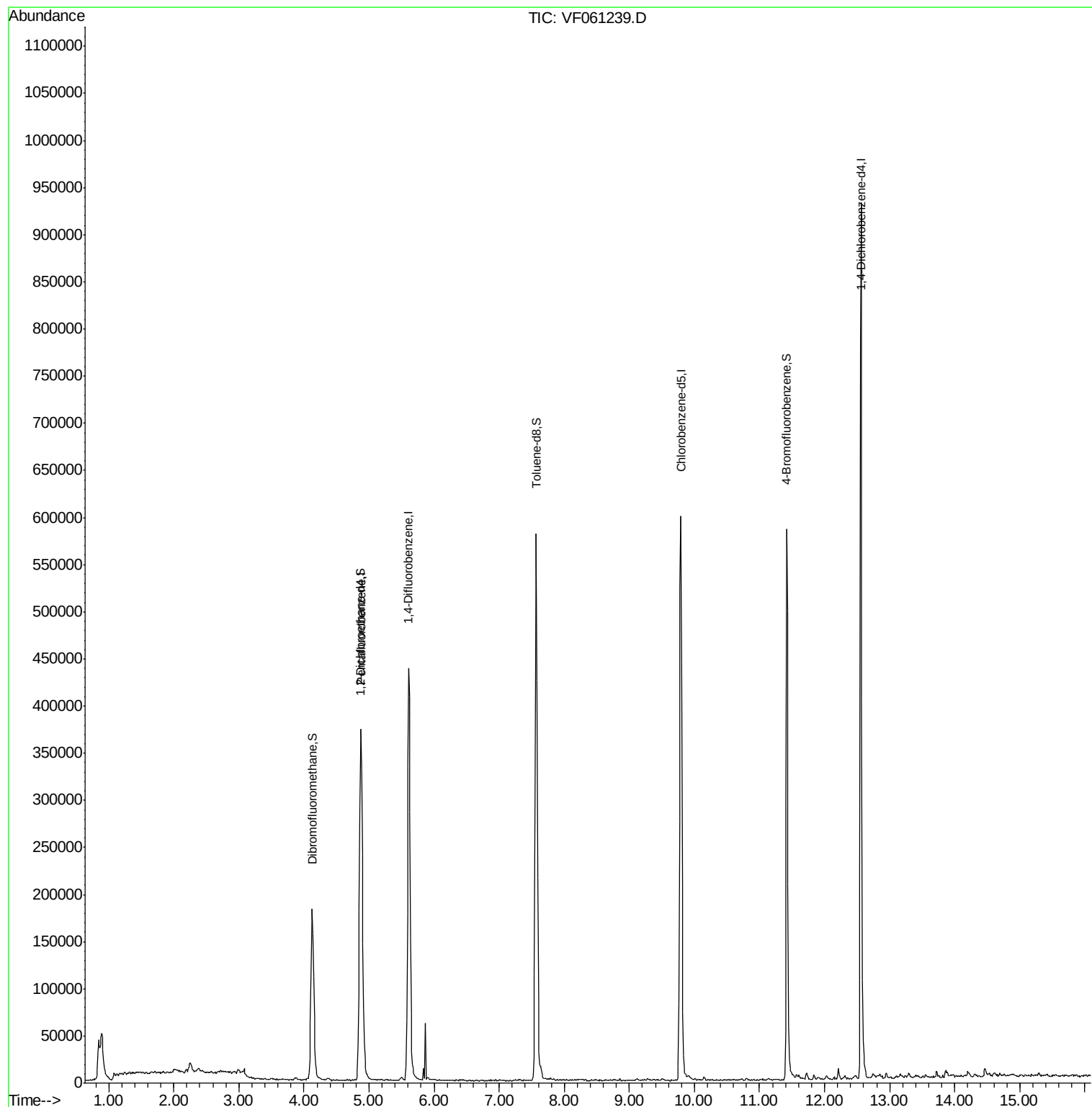
Target Compounds	Qvalue
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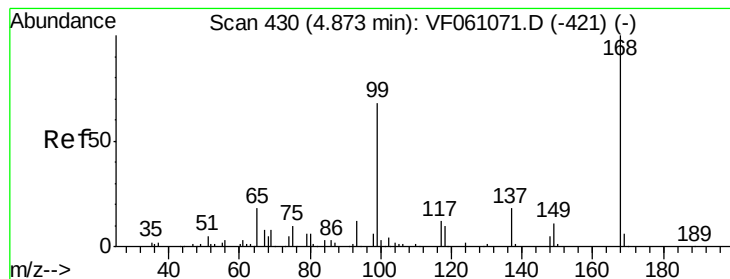
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF061239.D

Acq: 28 Dec 2018 16:46

Instrument :

MSVOA_F

ClientSampleId :

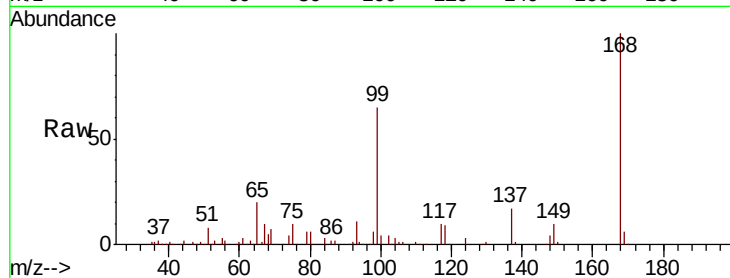
S72-0056

Tot Ion:168 Resp: 279439

Ion Ratio Lower Upper

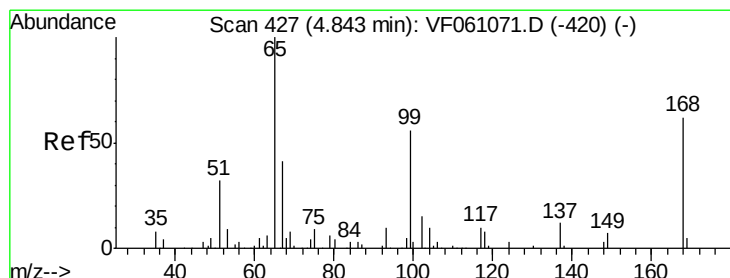
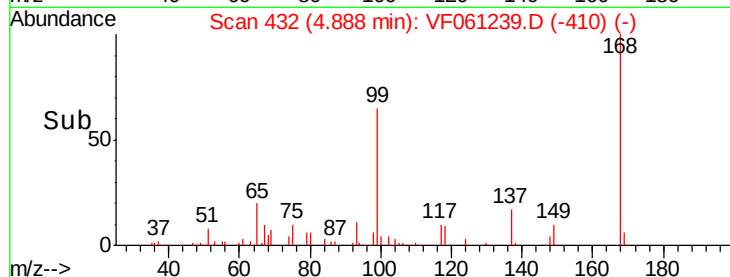
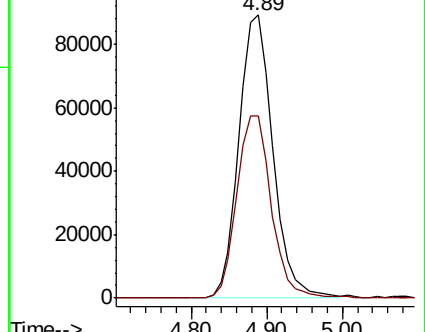
168 100

99 64.6 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 43.424 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.02 min

Lab File: VF061239.D

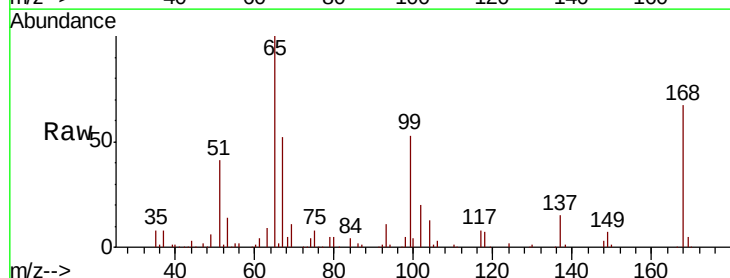
Acq: 28 Dec 2018 16:46

Tgt Ion: 65 Resp: 156069

Ion Ratio Lower Upper

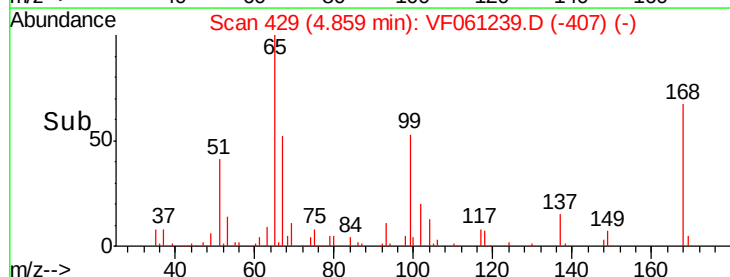
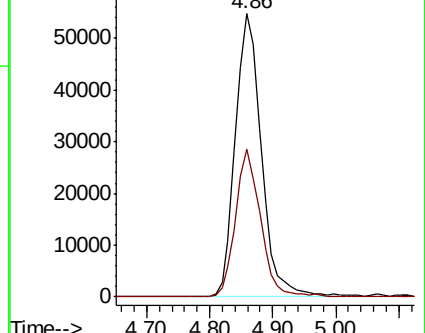
65 100

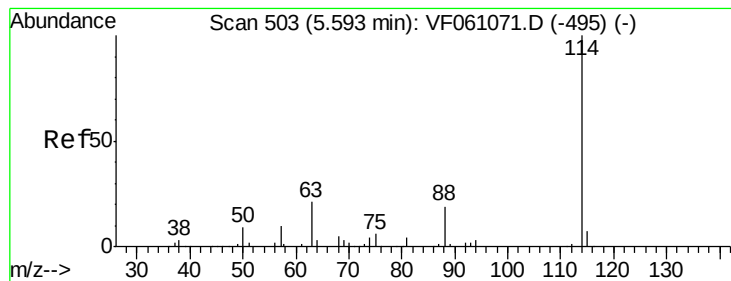
67 52.1 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.02 min

Lab File: VF061239.D

Acq: 28 Dec 2018 16:46

Instrument :

MSVOA_F

ClientSampleId :

S72-0056

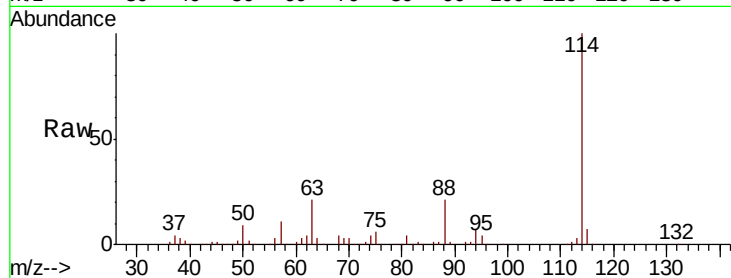
Tot Ion:114 Resp: 501926

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.6

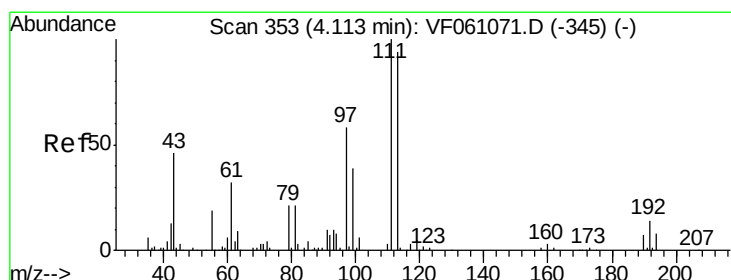
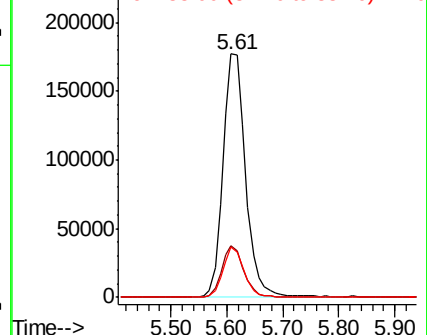
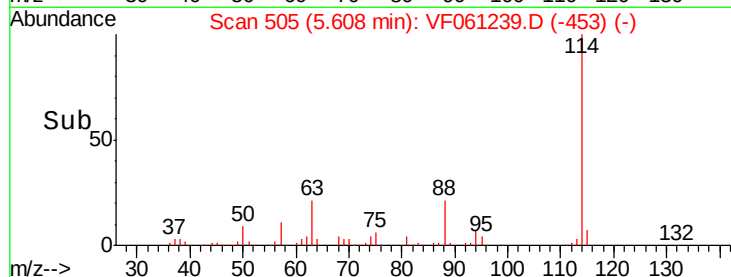
88 20.8 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 44.230 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF061239.D

Acq: 28 Dec 2018 16:46

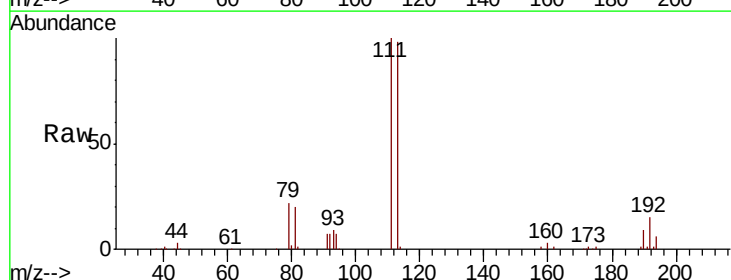
Tgt Ion:113 Resp: 177836

Ion Ratio Lower Upper

113 100

111 101.7 85.2 127.8

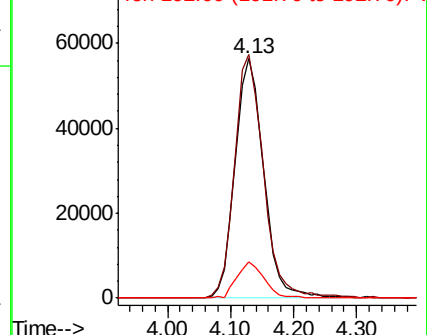
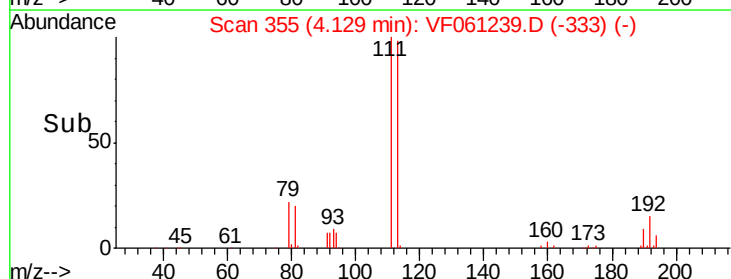
192 15.2 12.8 19.2

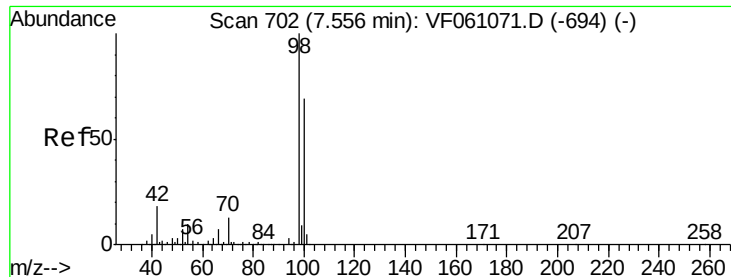


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

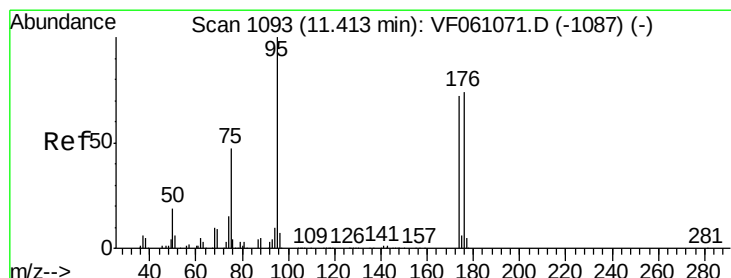
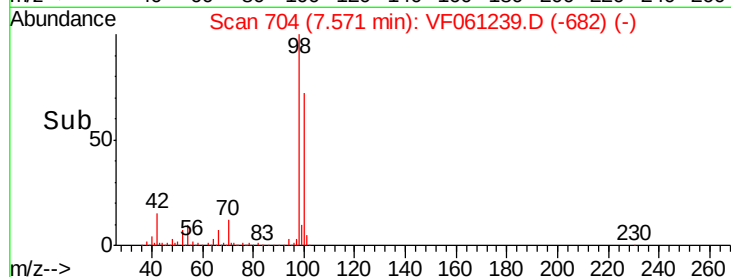
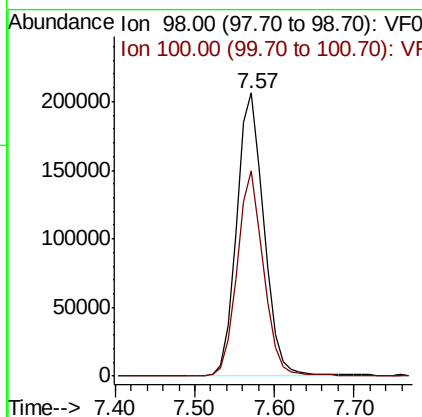
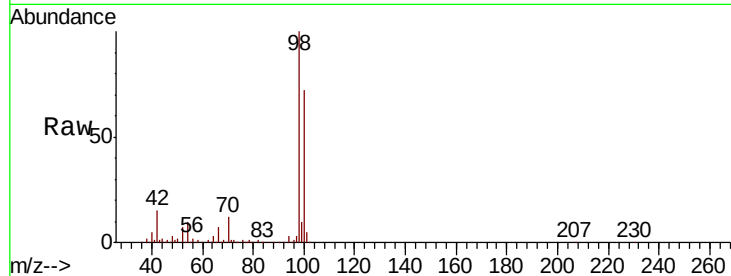




#50
Toluene-d8
Concen: 43.039 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.02 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

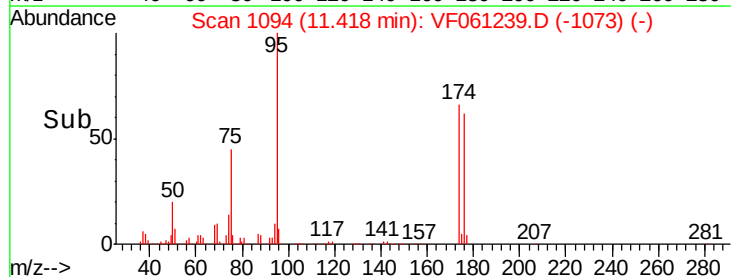
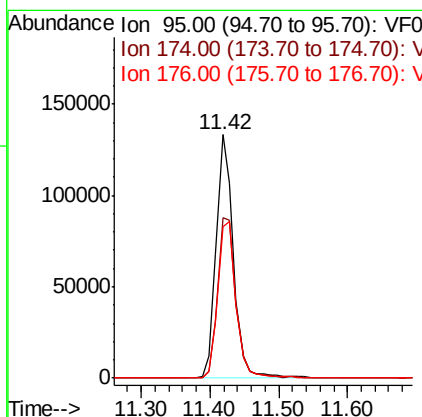
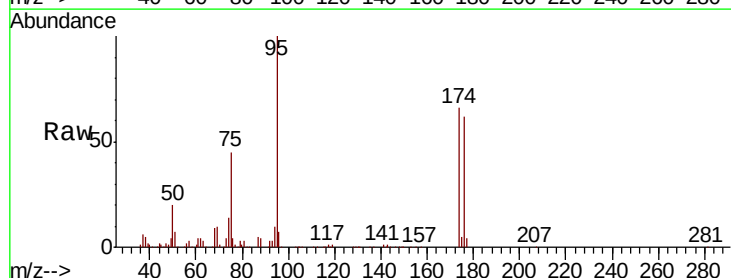
Instrument :
MSVOA_F
ClientSampleId :
S72-0056

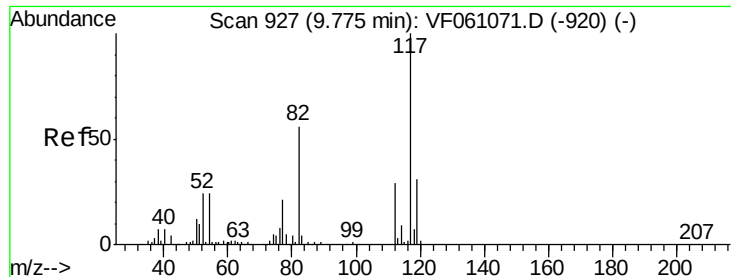
Tot Ion: 98 Resp: 490396
Ion Ratio Lower Upper
98 100
100 72.4 55.3 82.9



#62
4-Bromofluorobenzene
Concen: 44.010 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Tgt Ion: 95 Resp: 231181
Ion Ratio Lower Upper
95 100
174 65.9 0.0 143.8
176 62.0 0.0 147.6

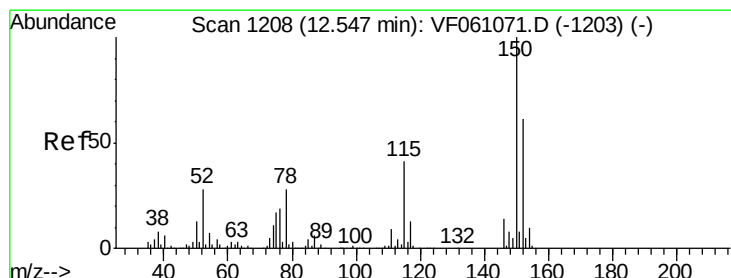
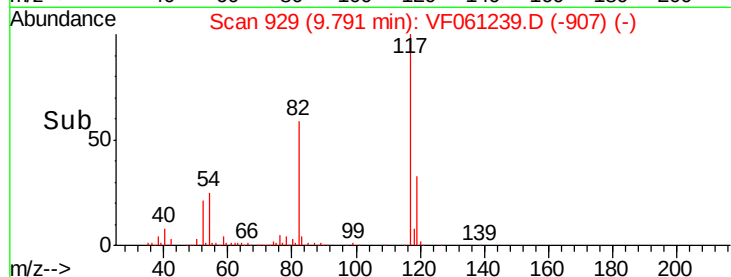
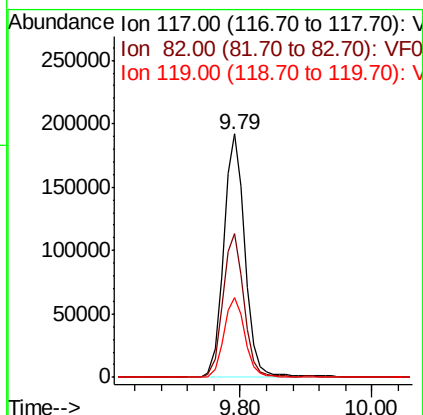
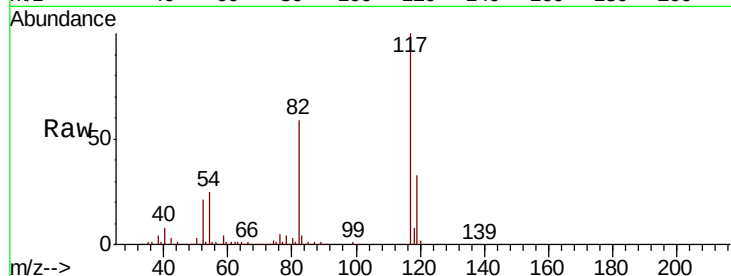




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Instrument :
MSVOA_F
ClientSampleId :
S72-0056

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	45.0	67.4
119	32.9	24.8	37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	33.3	99.9
150	147.5	0.0	328.2

