

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061782.D
 Acq On : 27 Feb 2019 22:47
 Operator : VA/AP
 Sample : K1651-01
 Misc : 7.25g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 351-281

Quant Time: Feb 28 01:29:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

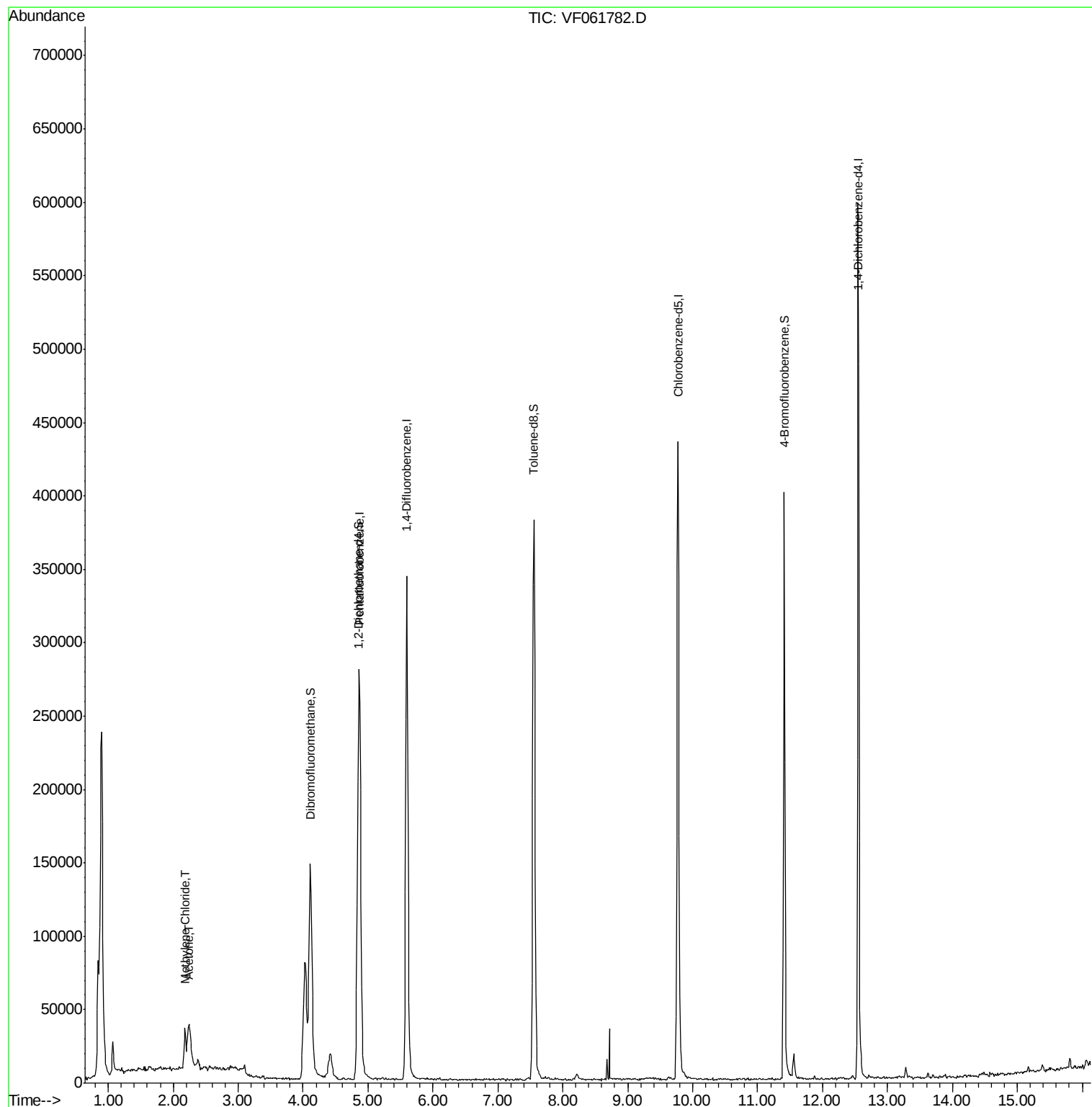
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	275845	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	424562	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	348830	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	172464	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	90261	44.62	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	89.24%	
35) Dibromofluoromethane	4.11	113	141186	44.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.56%	
50) Toluene-d8	7.56	98	347405	38.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.66%	
62) 4-Bromofluorobenzene	11.41	95	147253	40.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.30%	
Target Compounds						
16) Acetone	2.24	43	15889	36.610	ug/l	96
20) Methylene Chloride	2.18	84	37896m	14.506	ug/l	

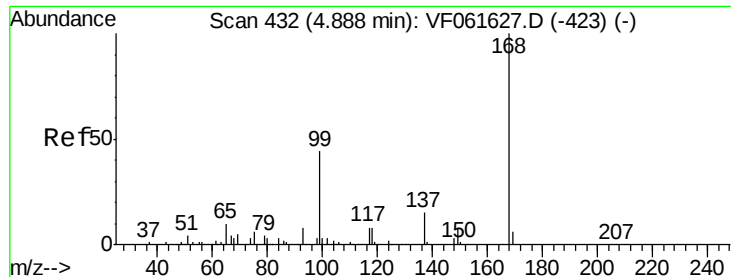
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061782.D

Acq: 27 Feb 2019 22:47

Instrument :

MSVOA_F

ClientSampleId :

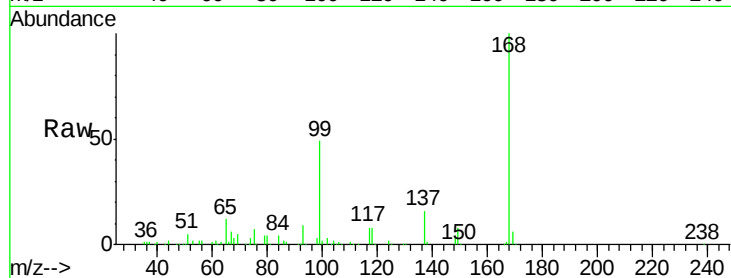
351-281

Tot Ion:168 Resp: 275845

Ion Ratio Lower Upper

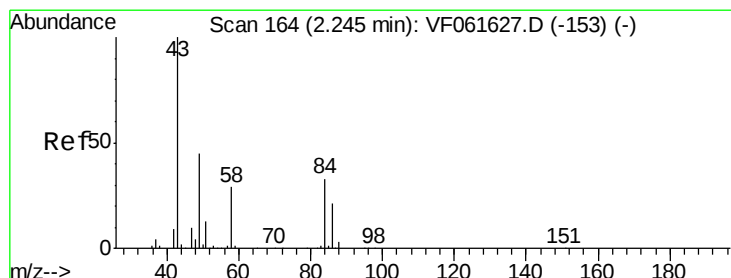
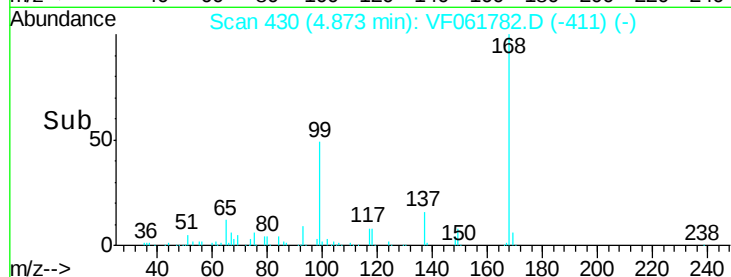
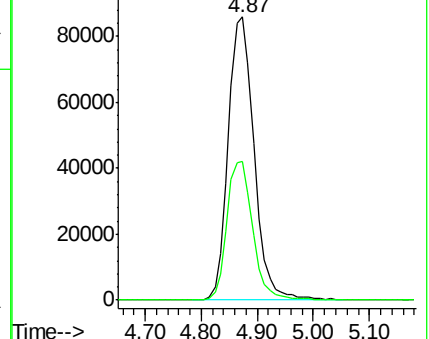
168 100

99 49.1 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 36.610 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061782.D

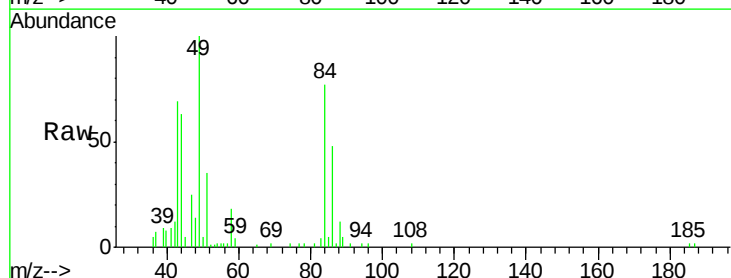
Acq: 27 Feb 2019 22:47

Tgt Ion: 43 Resp: 15889

Ion Ratio Lower Upper

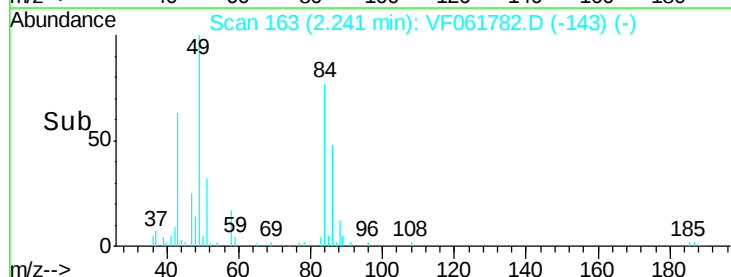
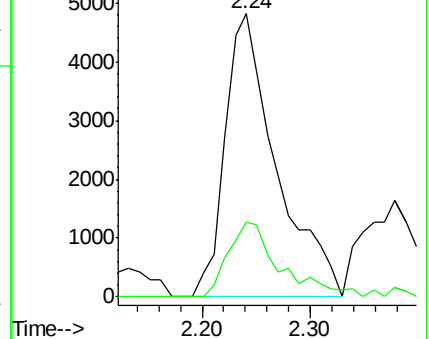
43 100

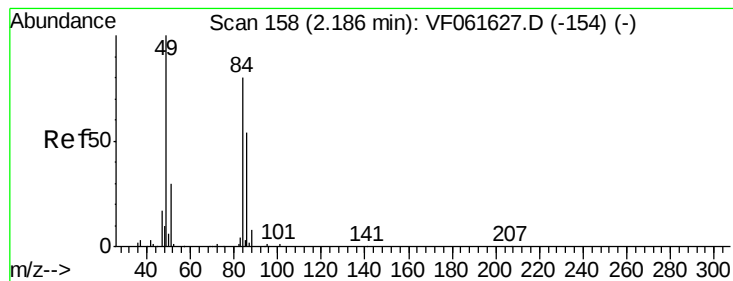
58 26.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#20

Methylene Chloride

Concen: 14.506 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF061782.D

Acq: 27 Feb 2019 22:47

Instrument :

MSVOA_F

ClientSampleId :

351-281

Tot Ion: 84 Resp: 37896

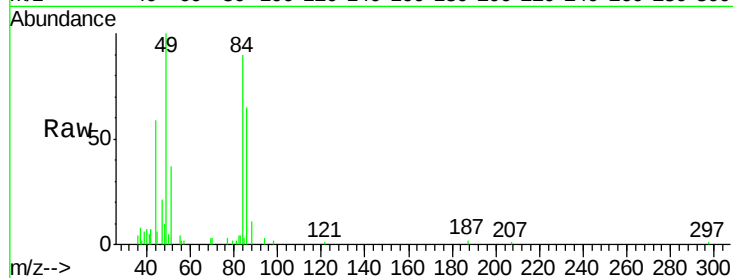
Ion Ratio Lower Upper

84 100

49 111.2 101.8 152.8

51 41.5 31.1 46.7

86 72.5 54.4 81.6

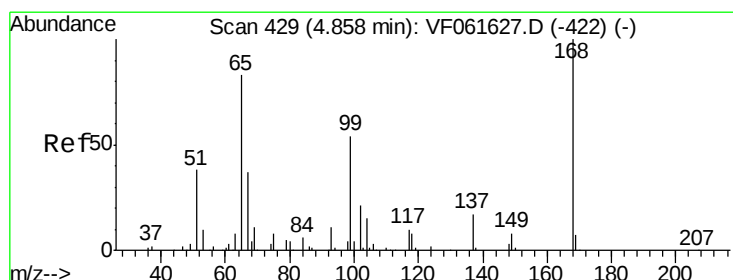
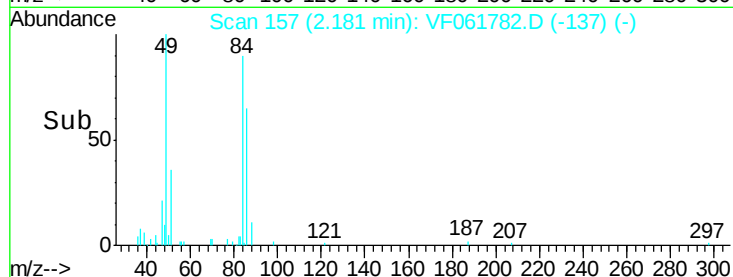
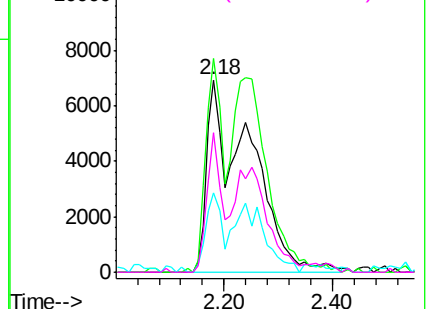


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 44.622 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061782.D

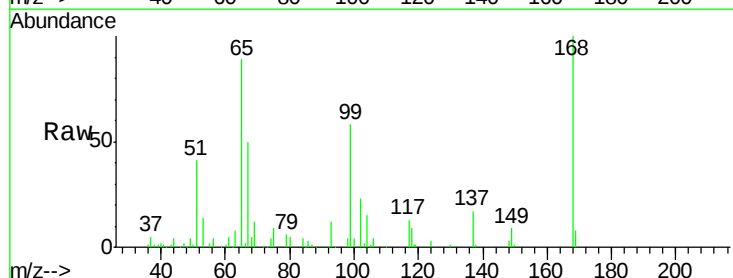
Acq: 27 Feb 2019 22:47

Tgt Ion: 65 Resp: 90261

Ion Ratio Lower Upper

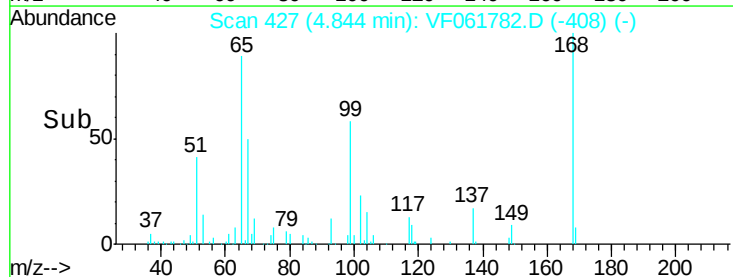
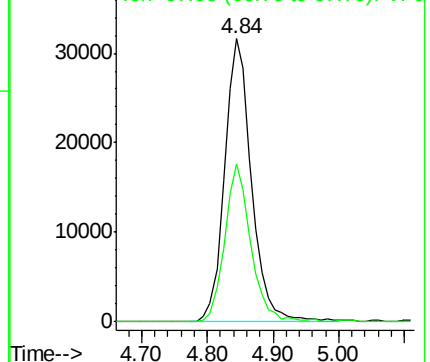
65 100

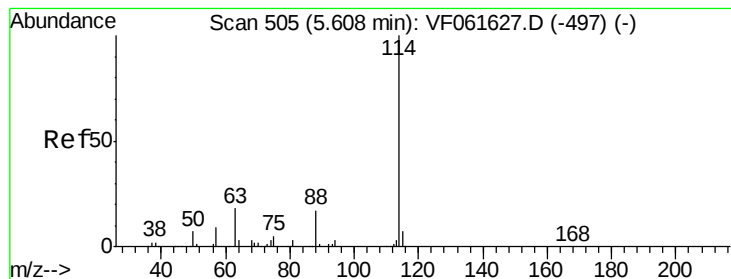
67 55.8 0.0 104.0



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: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061782.D

Acq: 27 Feb 2019 22:47

Instrument :

MSVOA_F

ClientSampleId :

351-281

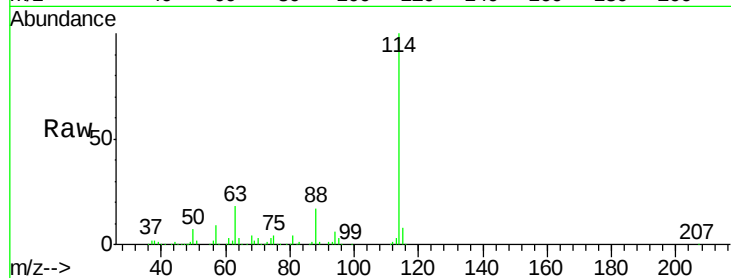
Tot Ion:114 Resp: 424562

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.6

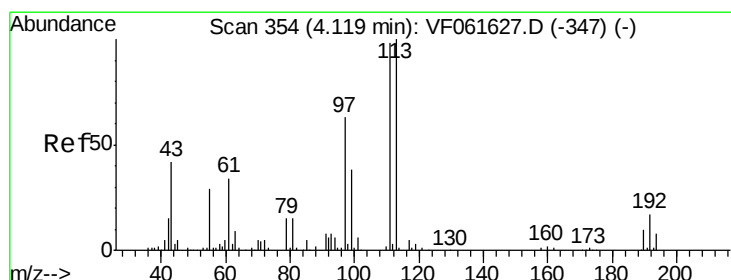
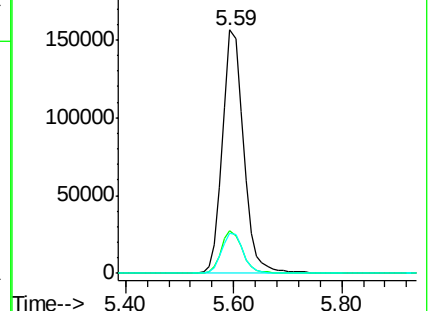
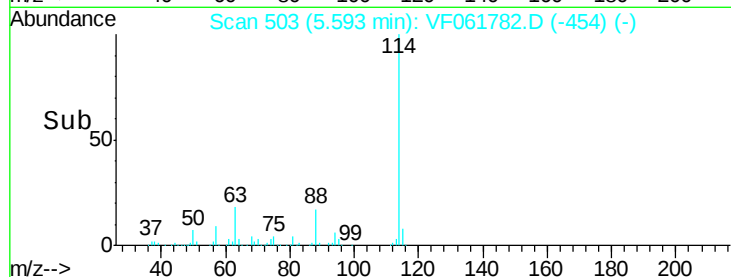
88 16.5 0.0 34.4



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: 44.781 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061782.D

Acq: 27 Feb 2019 22:47

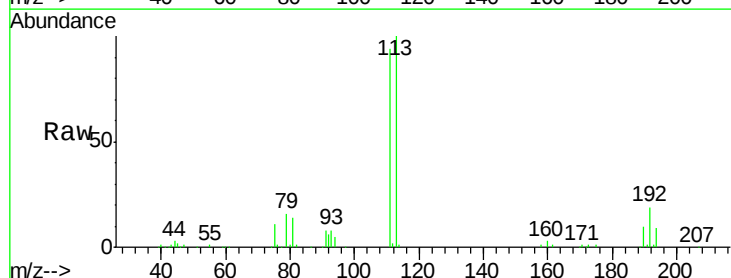
Tgt Ion:113 Resp: 141186

Ion Ratio Lower Upper

113 100

111 94.4 78.8 118.2

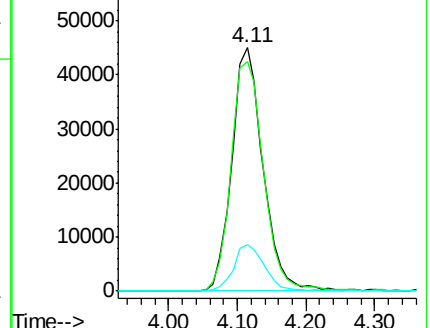
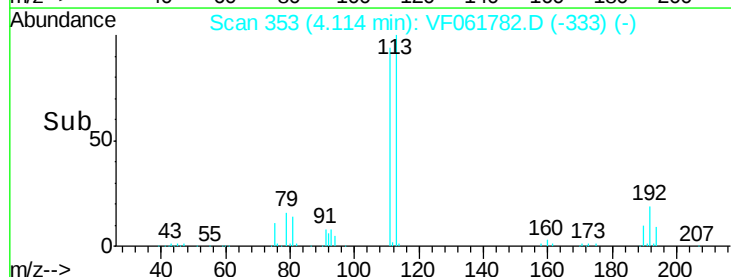
192 19.0 13.4 20.0

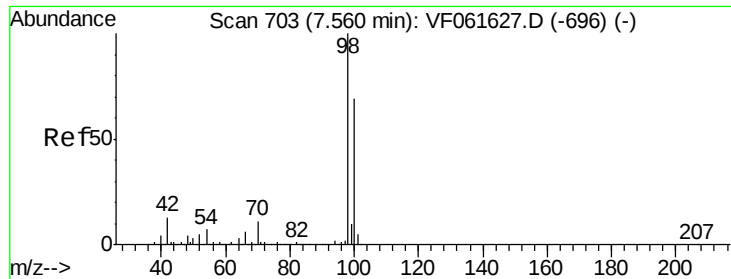


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

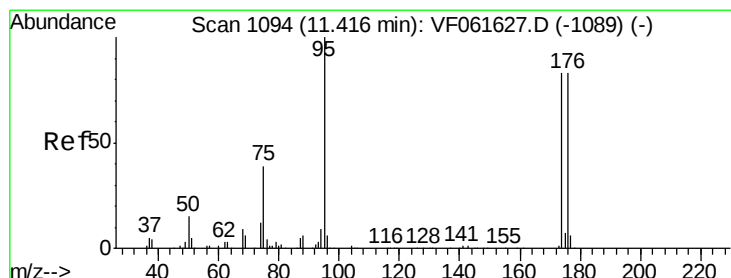
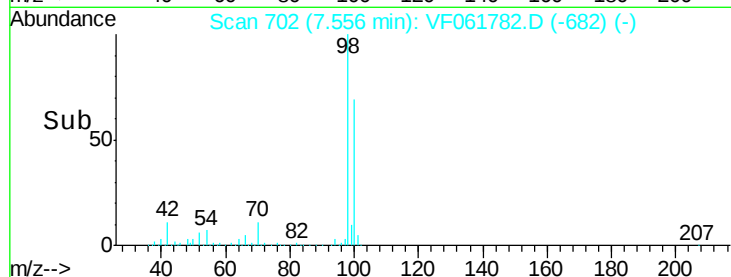
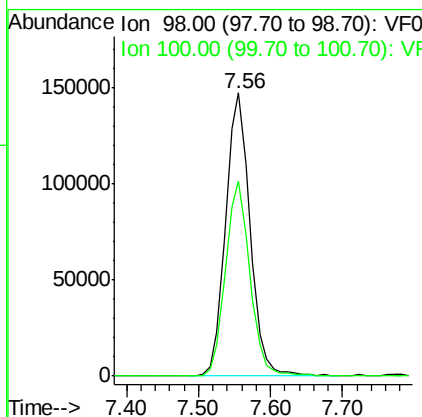
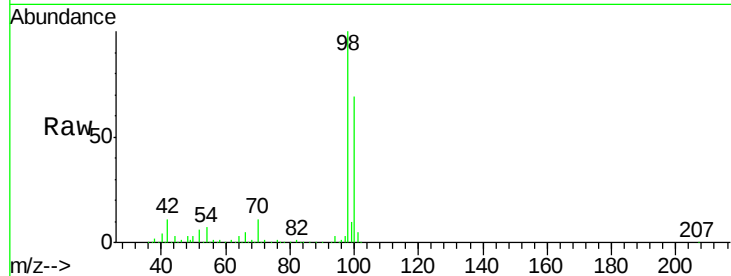




#50
Toluene-d8
Concen: 38.330 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061782.D
Acq: 27 Feb 2019 22:47

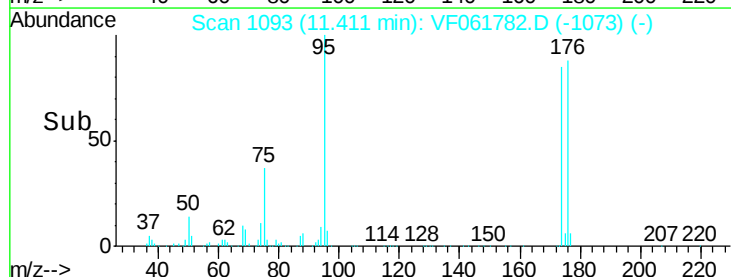
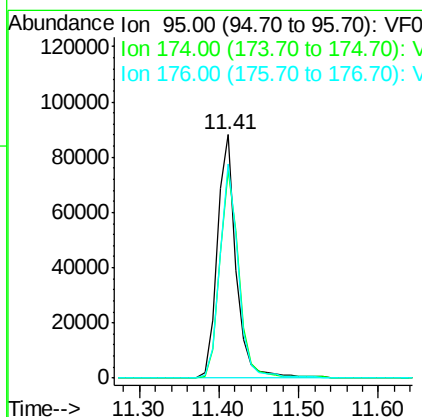
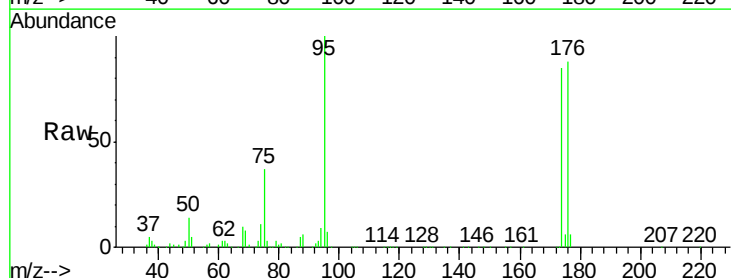
Instrument :
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351-281

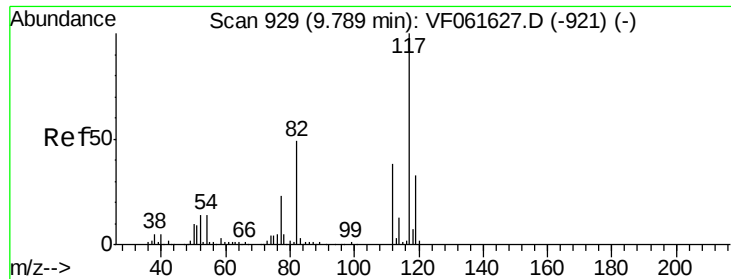
Tot Ion: 98 Resp: 347405
Ion Ratio Lower Upper
98 100
100 68.8 55.4 83.2



#62
4-Bromofluorobenzene
Concen: 40.154 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061782.D
Acq: 27 Feb 2019 22:47

Tgt Ion: 95 Resp: 147253
Ion Ratio Lower Upper
95 100
174 85.5 0.0 165.8
176 88.0 0.0 167.0

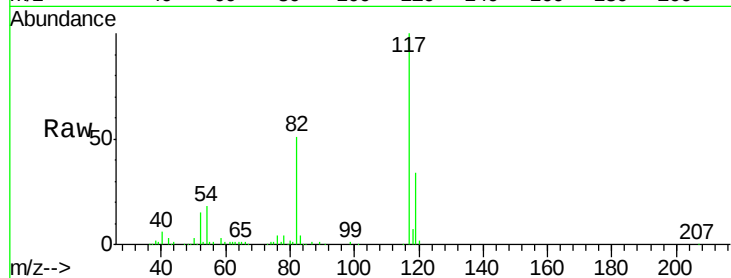




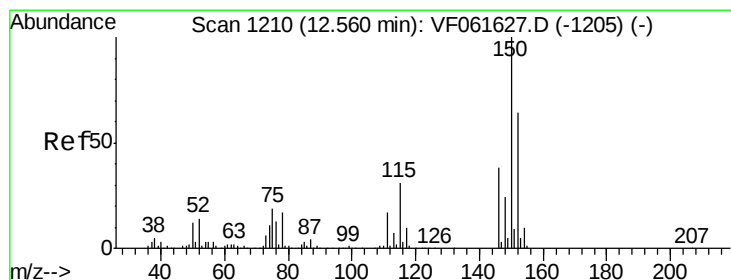
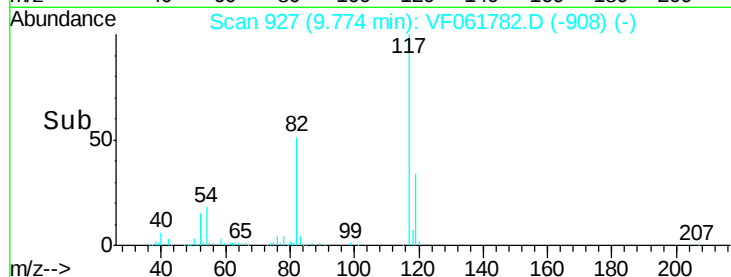
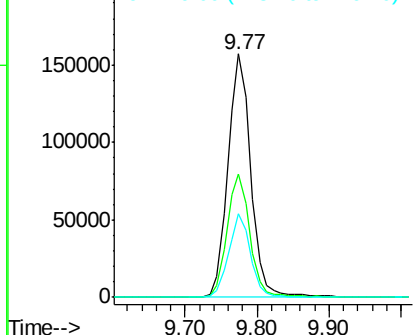
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061782.D
Acq: 27 Feb 2019 22:47

Instrument :
MSVOA_F
ClientSampleId :
351-281

Tot Ion:117 Resp: 348830
Ion Ratio Lower Upper
117 100
82 50.9 39.3 58.9
119 34.2 26.6 40.0

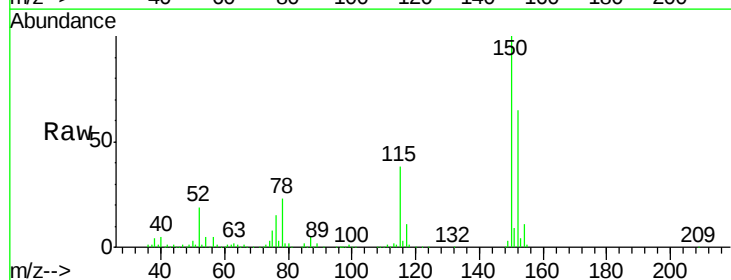


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061782.D
Acq: 27 Feb 2019 22:47

Tgt Ion:152 Resp: 172464
Ion Ratio Lower Upper
152 100
115 58.6 24.3 72.8
150 153.9 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V

