

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 : 7.25µ/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 28 01:02:30 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

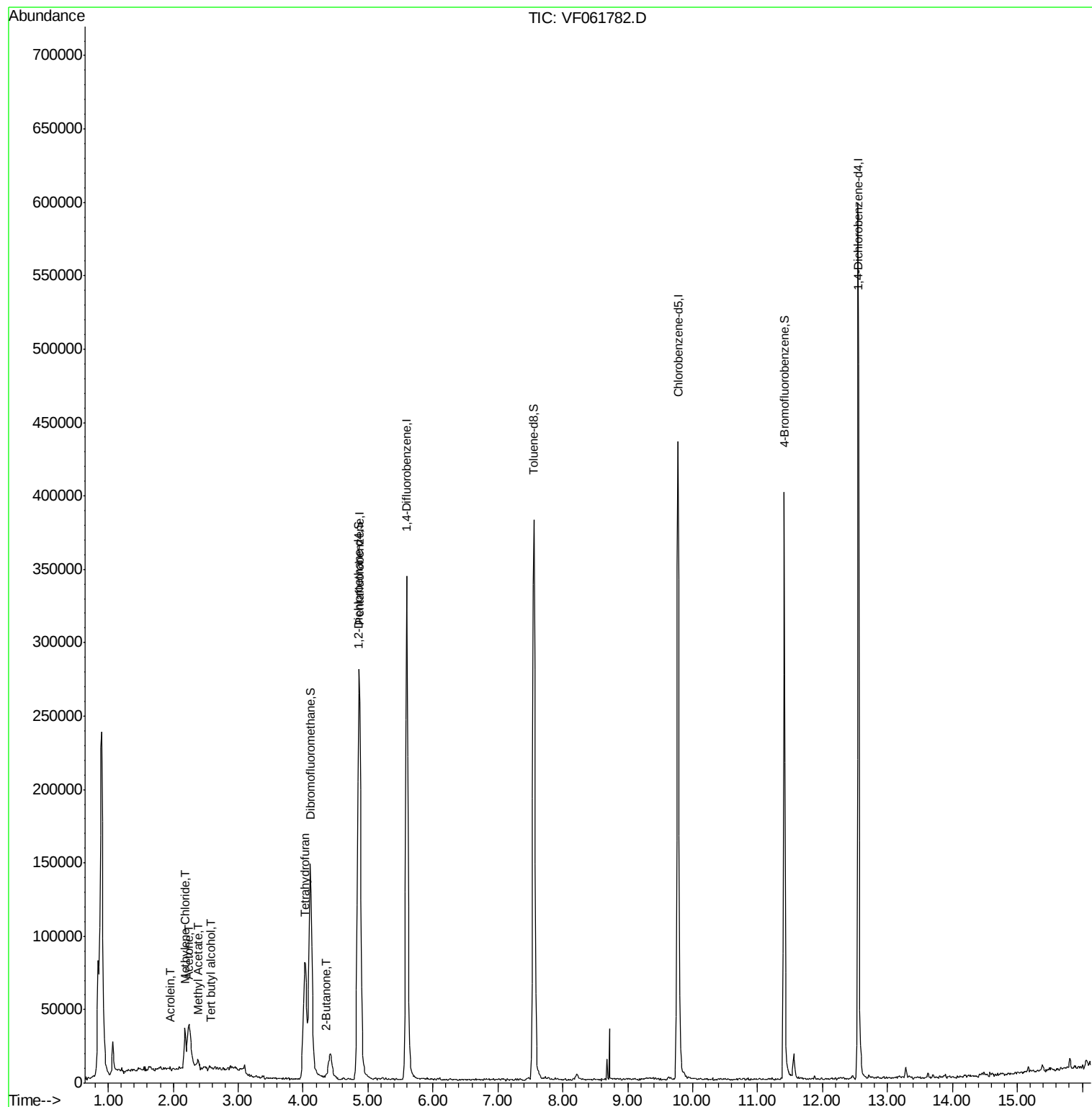
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	275845	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	424562	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	348830	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	172464	50.00	ug/l	-0.01
System Monitoring 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						
					Qvalue	
11) Tert butyl alcohol	2.59	59	301	2.571	ug/l #	1
13) Acrolein	1.95	56	403	2.739	ug/l	99
16) Acetone	2.24	43	15889	36.610	ug/l	96
18) Methyl Acetate	2.38	43	5333	5.455	ug/l #	59
20) Methylene Chloride	2.18	84	13232	3.337	ug/l	90
25) 2-Butanone	4.34	43	1025	1.081	ug/l #	55
29) Tetrahydrofuran	4.04	42	2104	4.883	ug/l #	33

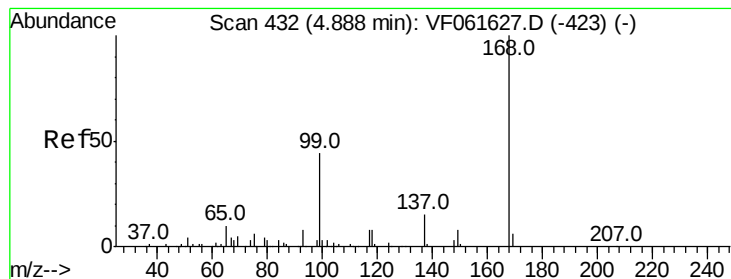
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#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

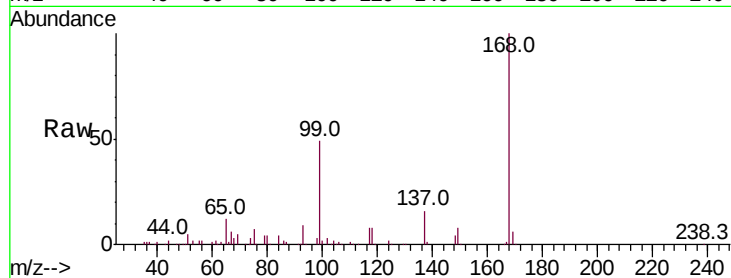
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 275845

Ion Ratio Lower Upper

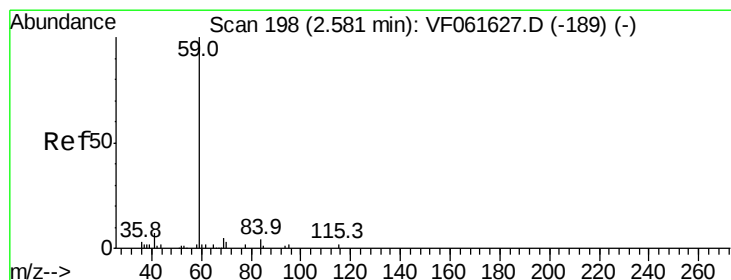
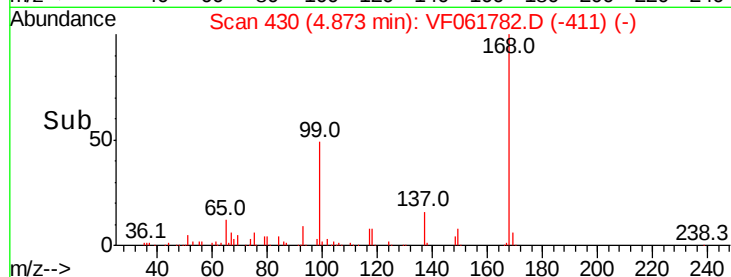
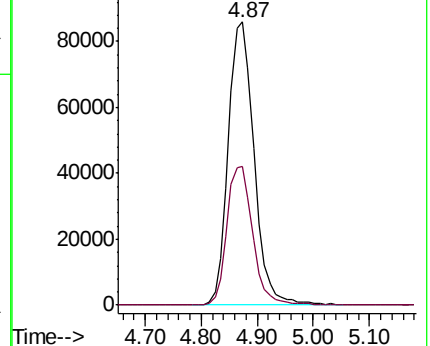
168 100

99 49.1 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 2.571 ug/l

RT: 2.59 min Scan# 198

Delta R.T. 0.01 min

Lab File: VF061782.D

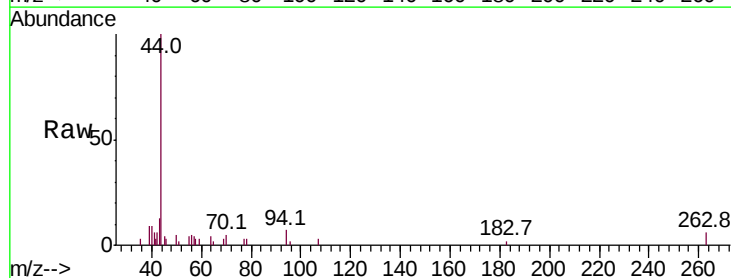
Acq: 27 Feb 2019 22:47

Tgt Ion: 59 Resp: 301

Ion Ratio Lower Upper

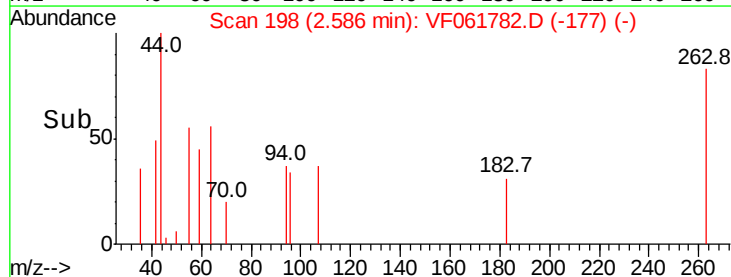
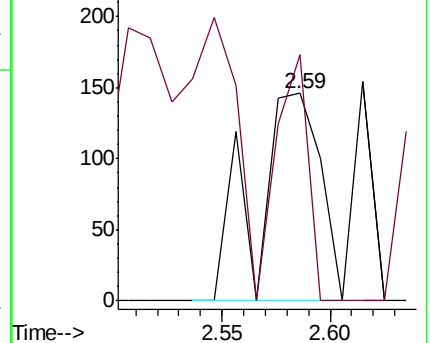
59 100

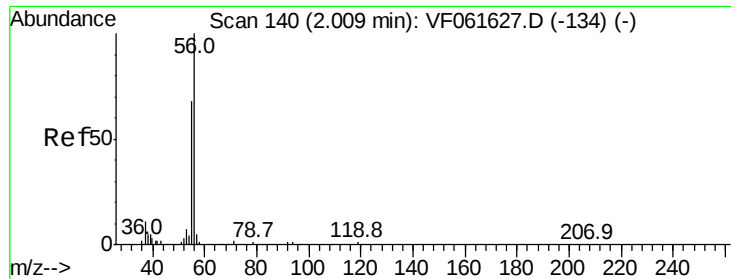
57 118.5 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 2.739 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.05 min

Lab File: VF061782.D

Acq: 27 Feb 2019 22:47

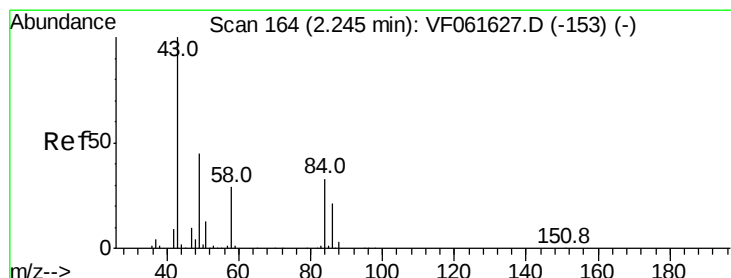
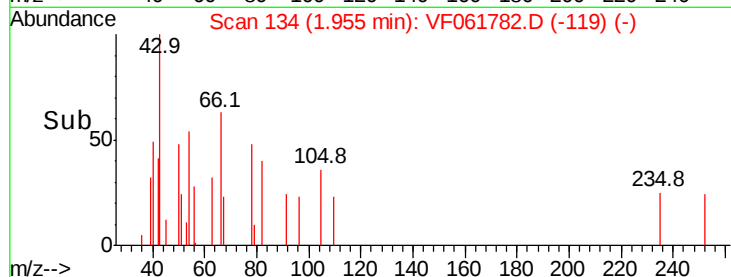
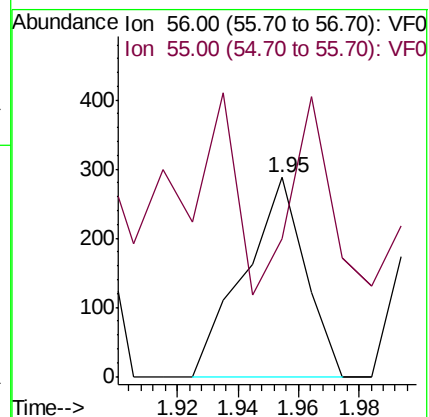
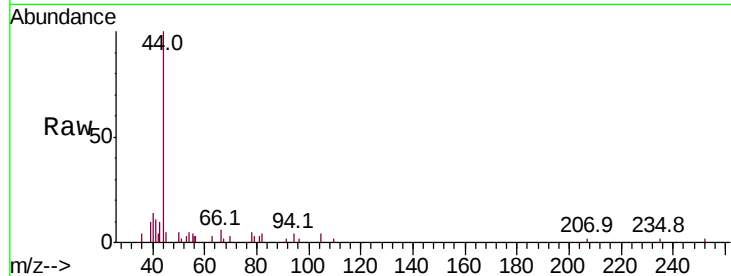
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 403

Ion Ratio Lower Upper

56 100

55 69.4 55.0 82.6



#16

Acetone

Concen: 36.610 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061782.D

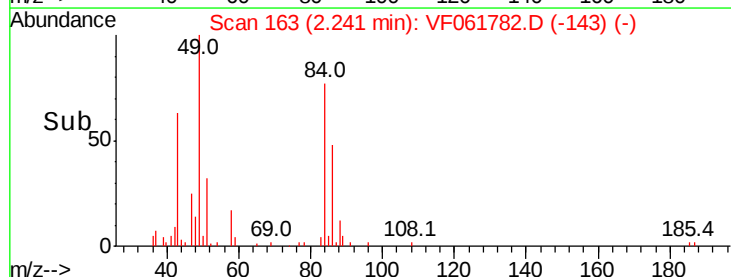
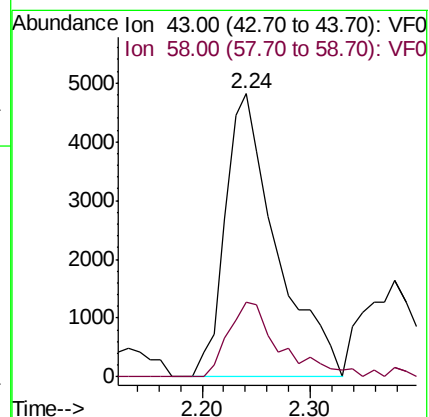
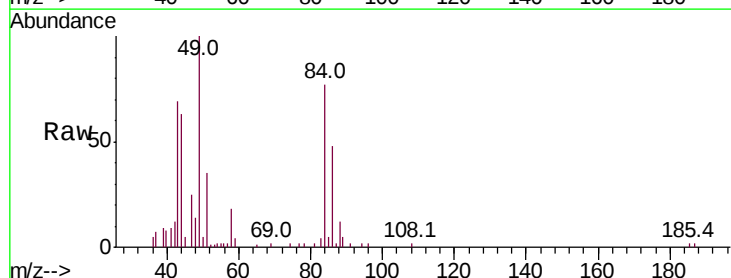
Acq: 27 Feb 2019 22:47

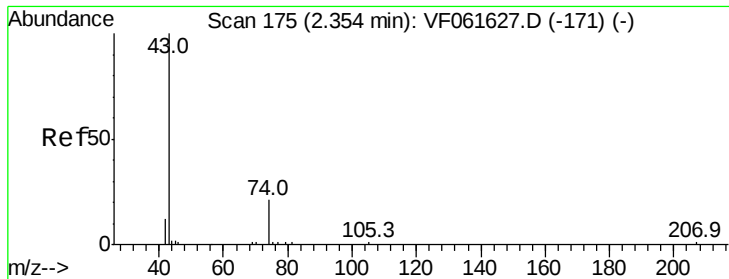
Tgt Ion: 43 Resp: 15889

Ion Ratio Lower Upper

43 100

58 26.6 22.9 34.3

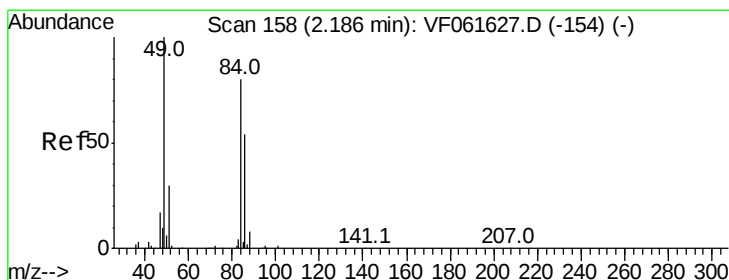
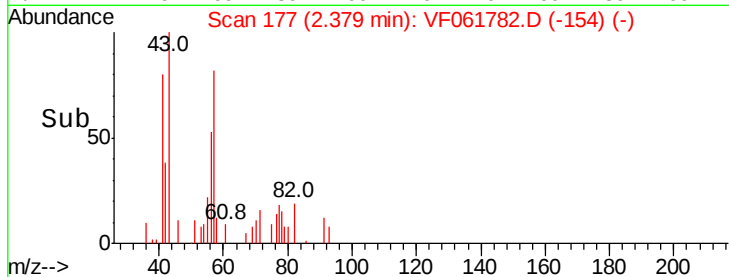
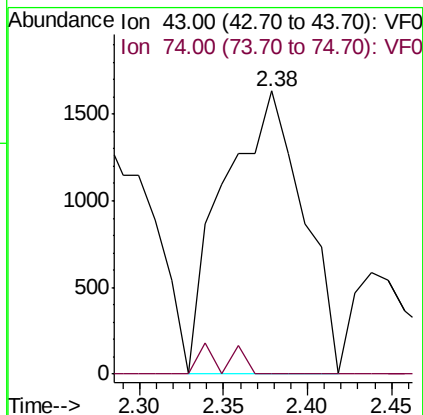
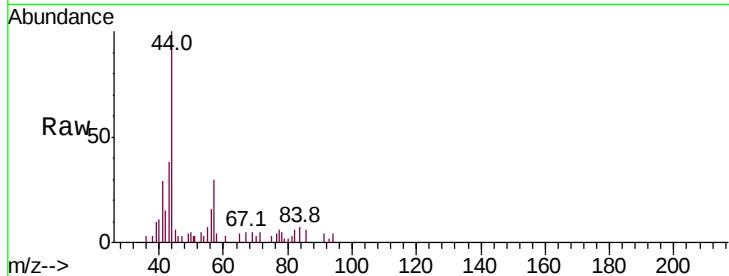




#18
Methyl Acetate
Concen: 5.455 ug/l
RT: 2.38 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF061782.D
Acq: 27 Feb 2019 22:47

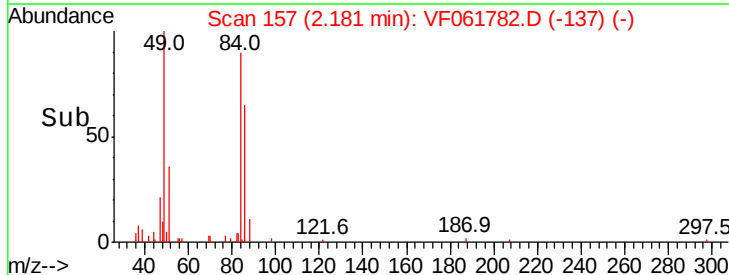
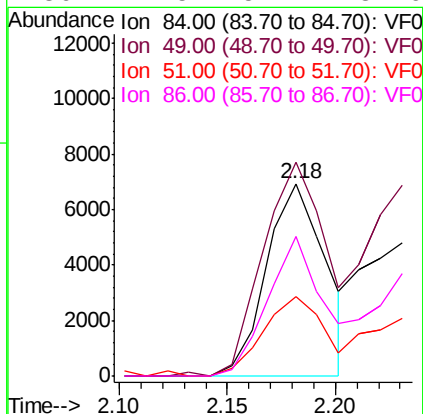
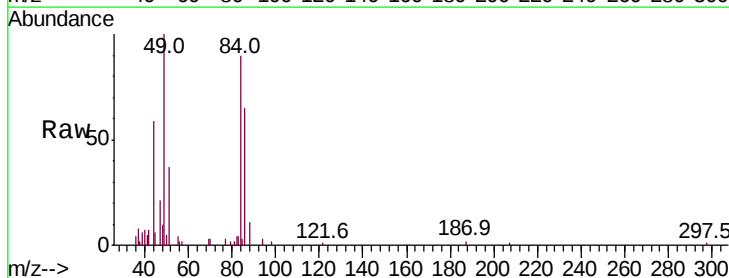
Instrument :
MSVOA_F
ClientSampleId :

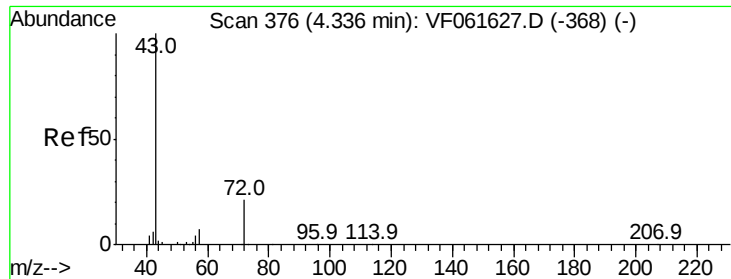
Tot Ion: 43 Resp: 5333
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#20
Methylene Chloride
Concen: 3.337 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061782.D
Acq: 27 Feb 2019 22:47

Tgt Ion: 84 Resp: 13232
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





#25

2-Butanone

Concen: 1.081 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061782.D

Acq: 27 Feb 2019 22:47

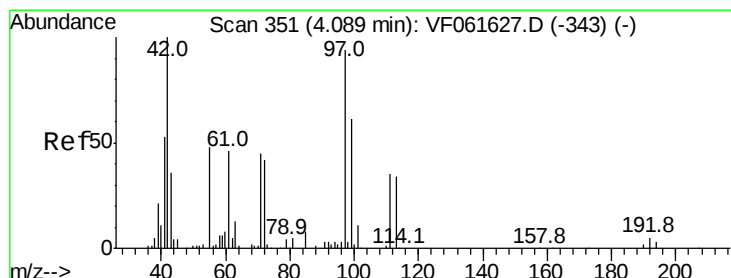
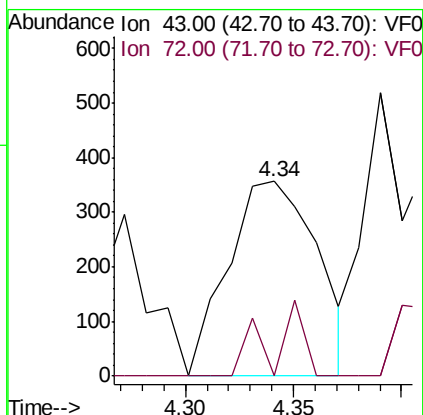
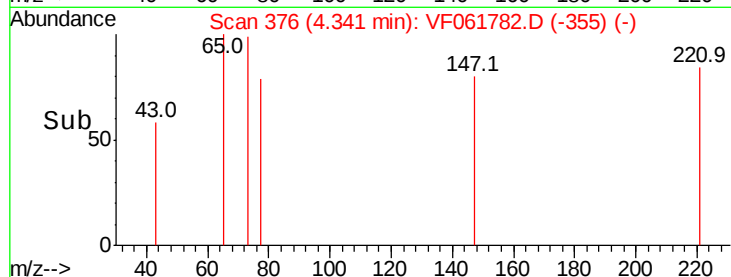
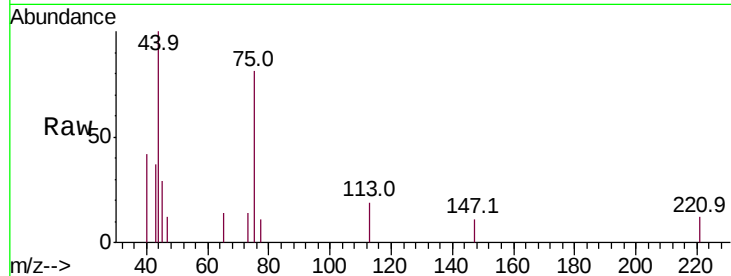
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1025

Ion Ratio Lower Upper

43 100

72 0.0 17.1 25.7#



#29

Tetrahydrofuran

Concen: 4.883 ug/l

RT: 4.04 min Scan# 345

Delta R.T. -0.05 min

Lab File: VF061782.D

Acq: 27 Feb 2019 22:47

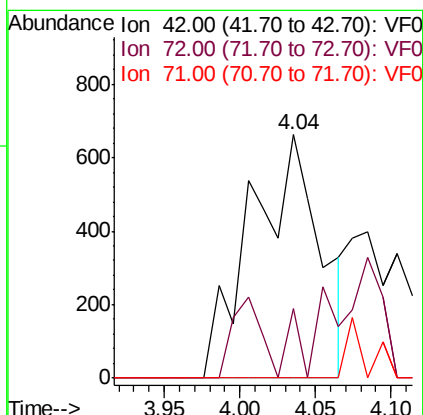
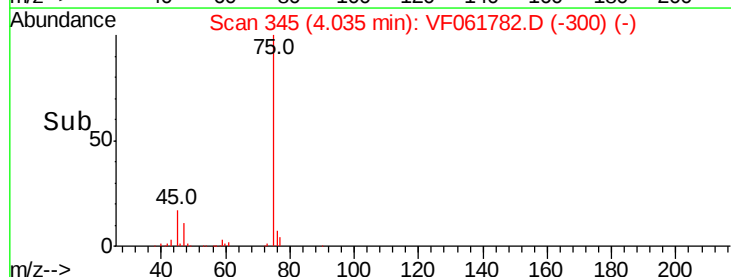
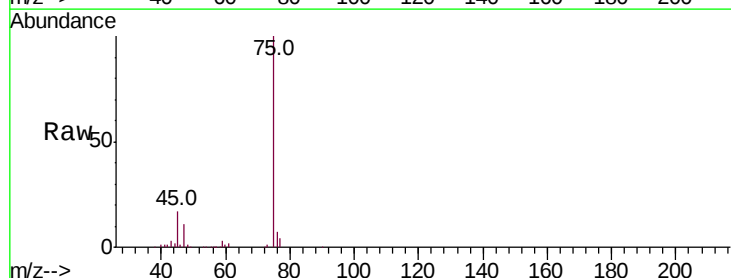
Tgt Ion: 42 Resp: 2104

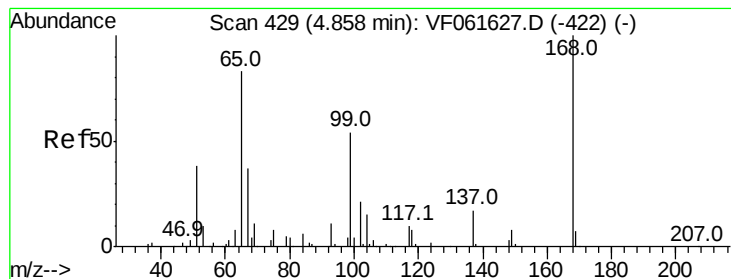
Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

71 0.0 32.9 49.3#





#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

Instrument :

MSVOA_F

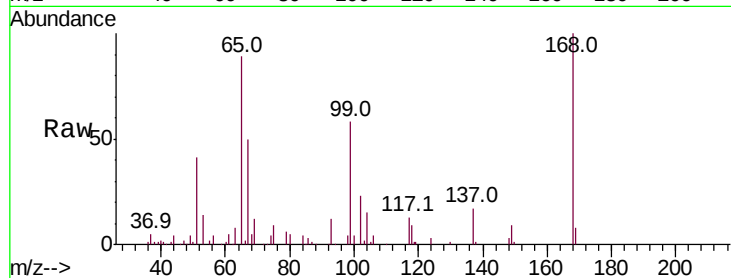
ClientSampleId :

Tot Ion: 65 Resp: 90261

Ion Ratio Lower Upper

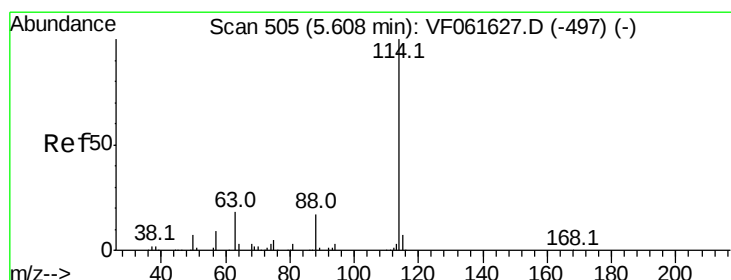
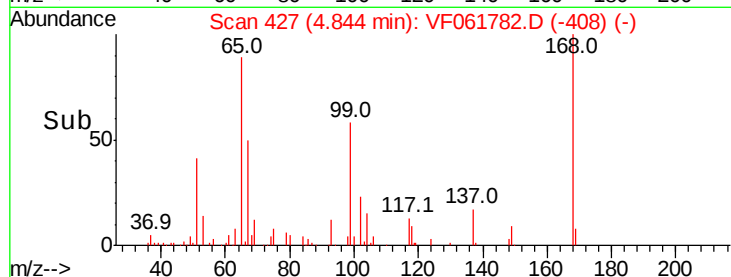
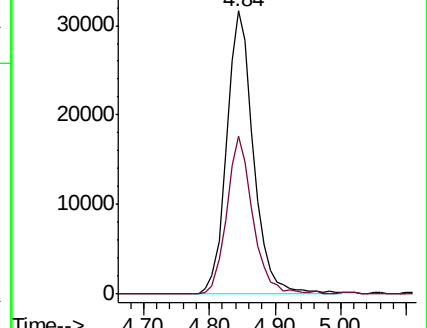
65 100

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

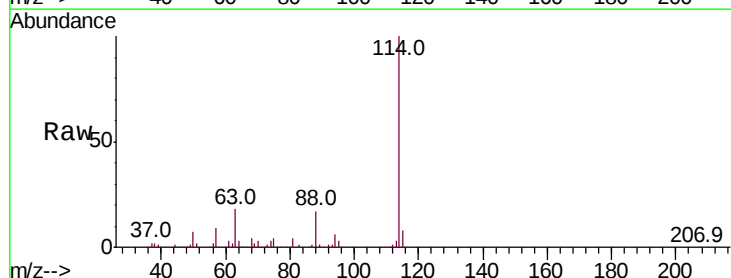
Tgt Ion: 114 Resp: 424562

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.6

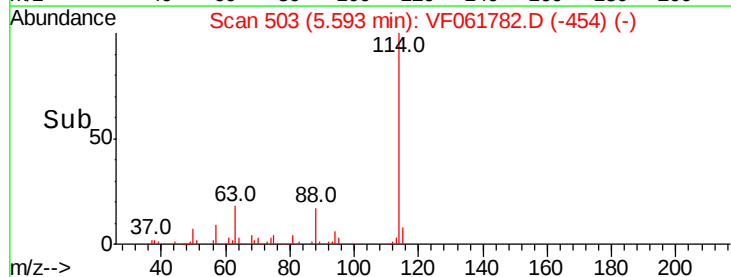
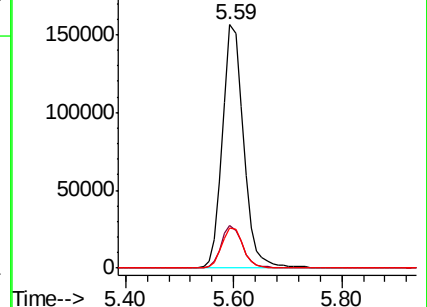
88 16.5 0.0 34.4

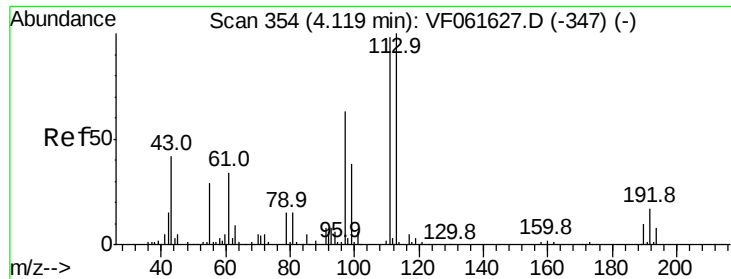


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

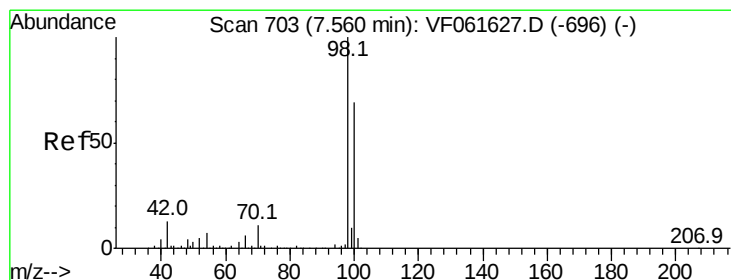
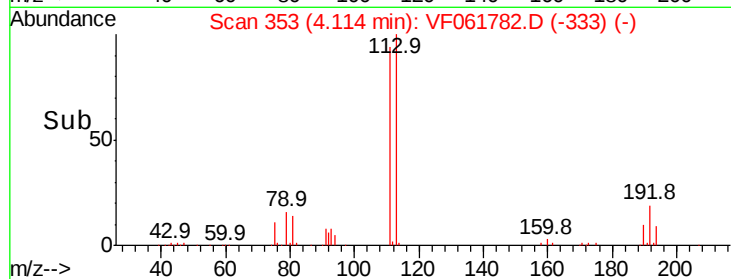
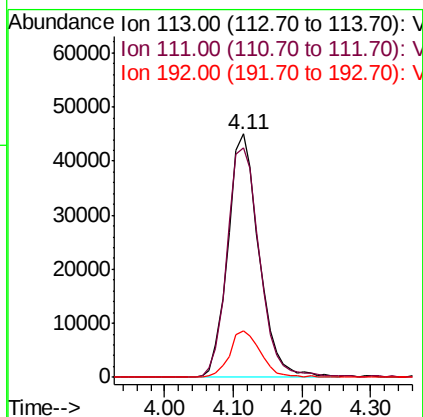
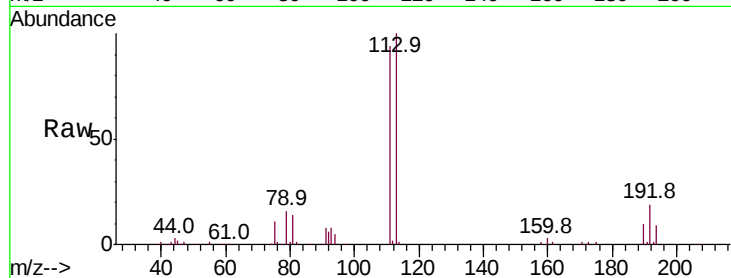




#35
 Dibromofluoromethane
 Concen: 44.781 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VF061782.D
 Acq: 27 Feb 2019 22:47

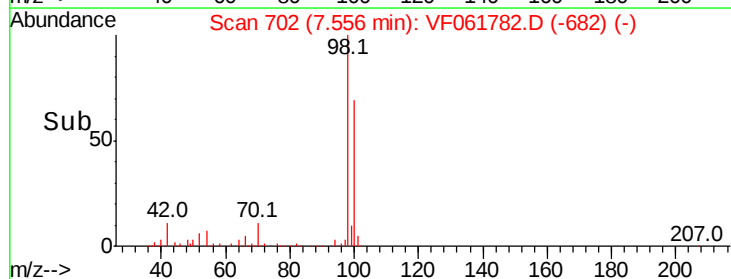
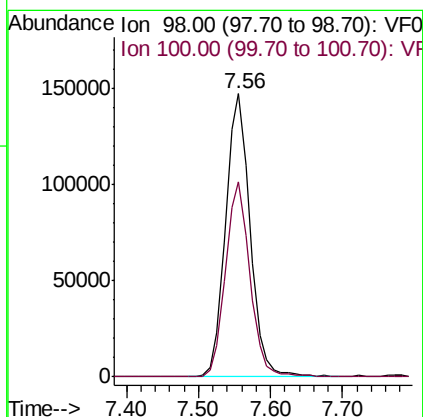
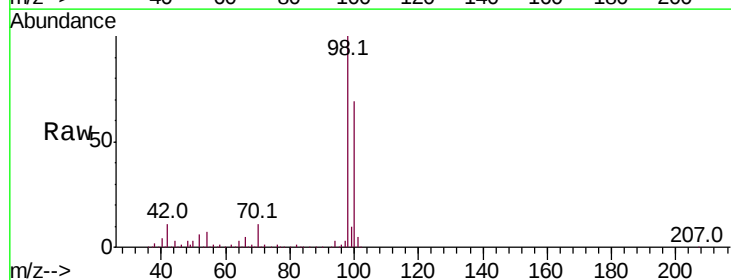
Instrument :
 MSVOA_F
 ClientSampleId :

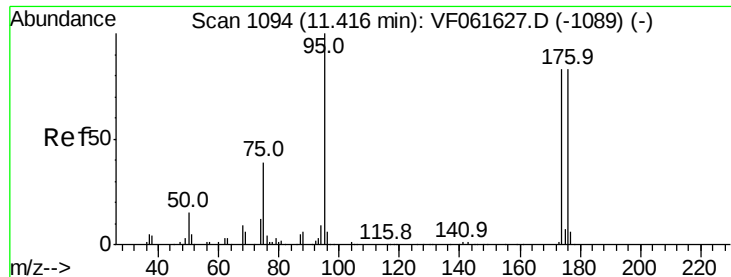
Tot Ion:113 Resp: 141186
 Ion Ratio Lower Upper
 113 100
 111 94.4 78.8 118.2
 192 19.0 13.4 20.0



#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

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

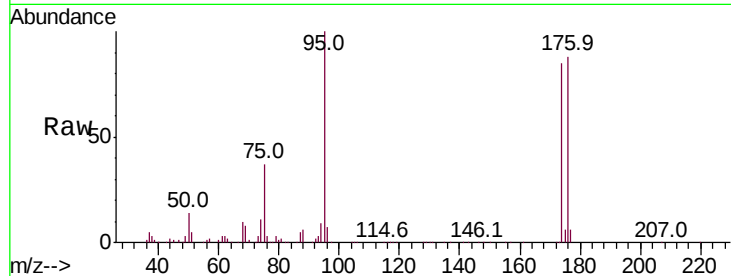




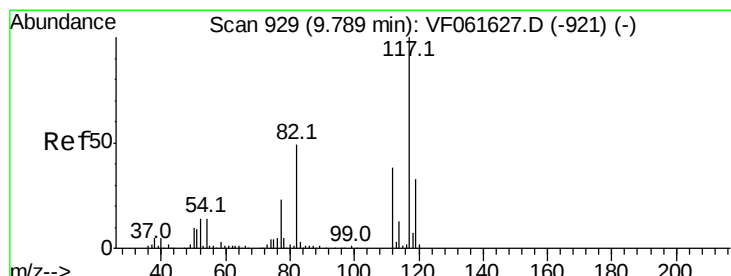
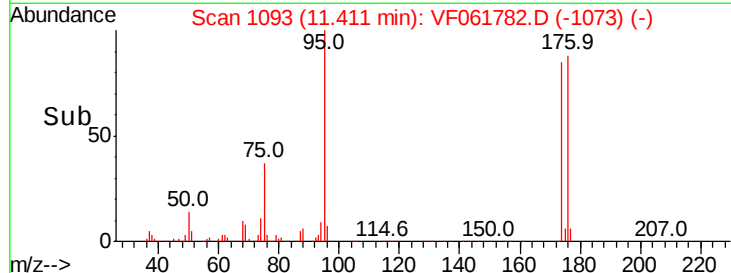
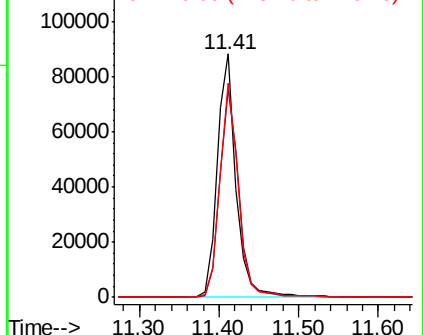
#62
4-Bromofluorobenzene
Concen: 40.154 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061782.D
Acq: 27 Feb 2019 22:47

Instrument :
MSVOA_F
ClientSampleId :

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

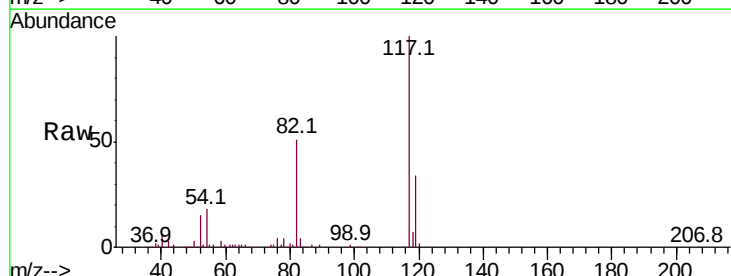


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

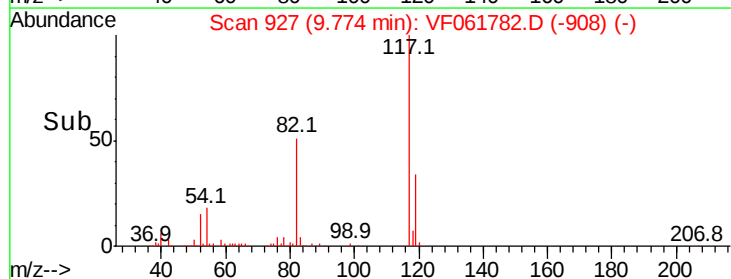
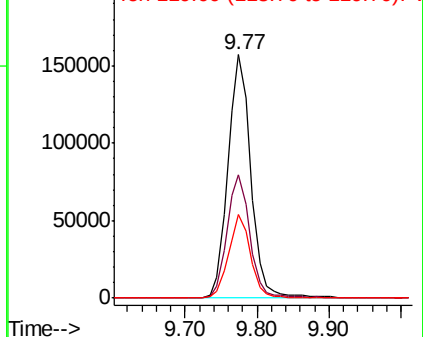


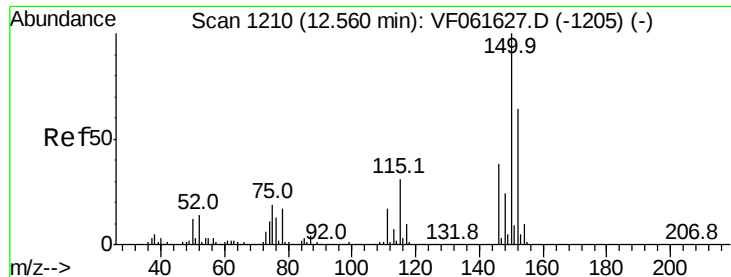
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061782.D
Acq: 27 Feb 2019 22:47

Tgt 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): VF0
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

Instrument :

MSVOA_F

ClientSampleId :

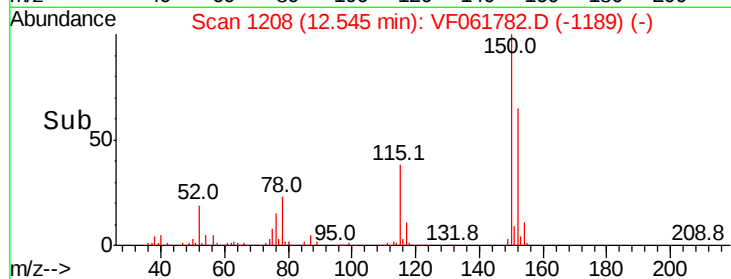
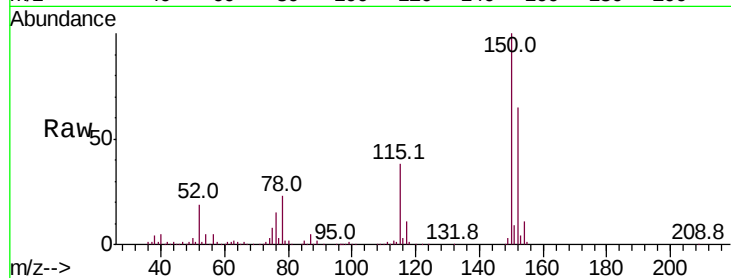
Tot Ion:152 Resp: 172464

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

