

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061768.D
 Acq On : 27 Feb 2019 16:07
 Operator : VA/AP
 Sample : K1645-03
 Misc : 4.75g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 28 00:31:40 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

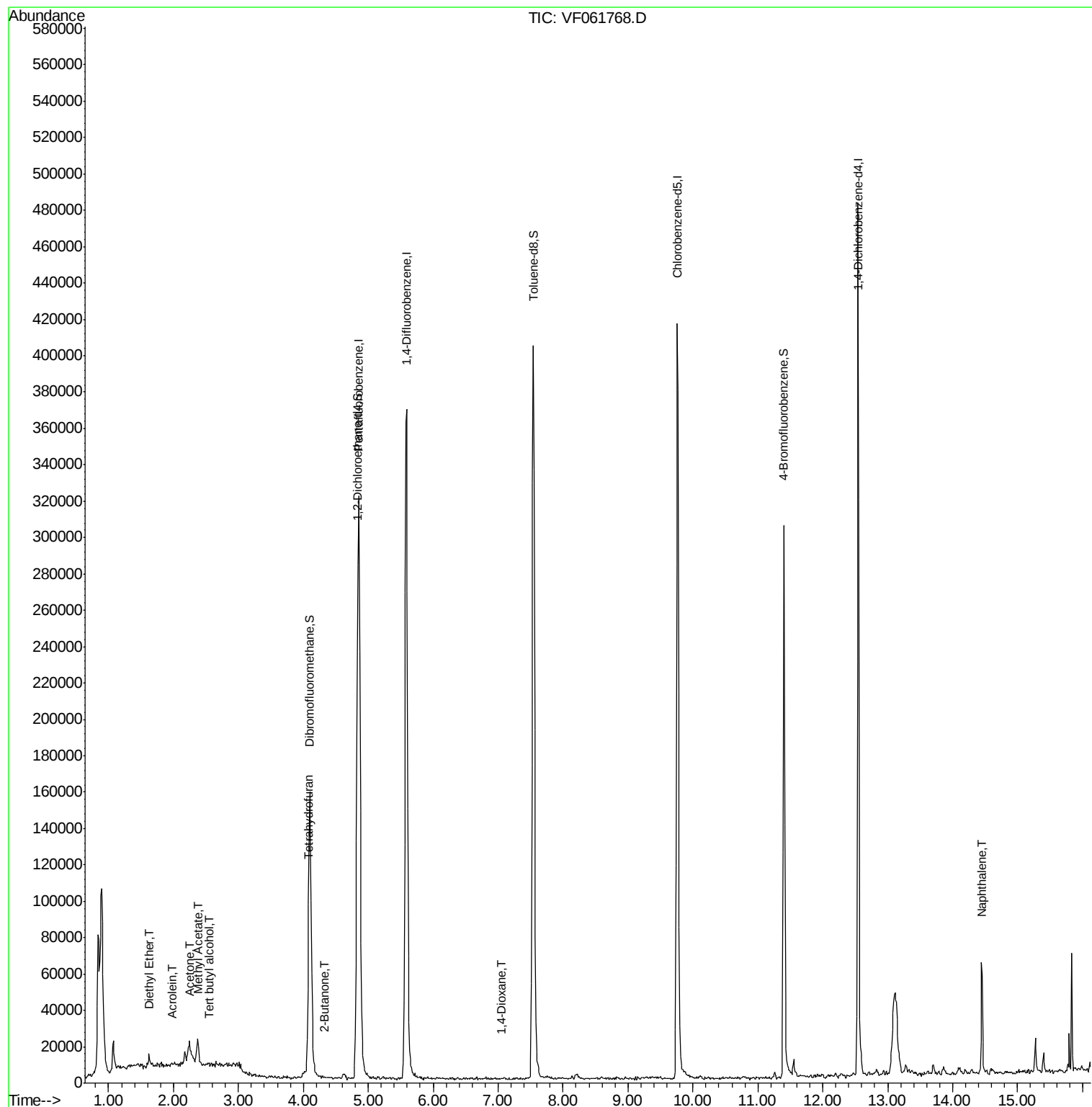
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	301659	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	478286	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	344347	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	131408	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	107994	48.82	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	4.10	113	156929	44.18	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.36%	
50) Toluene-d8	7.54	98	370162	36.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	72.50%	
62) 4-Bromofluorobenzene	11.40	95	125097	30.28	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	60.56%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.63	74	2067	2.013	ug/l	53
11) Tert butyl alcohol	2.55	59	215	1.679	ug/l #	1
13) Acrolein	1.99	56	318	1.976	ug/l #	1
16) Acetone	2.24	43	11603	24.447	ug/l #	65
18) Methyl Acetate	2.37	43	6915	6.467	ug/l #	59
20) Methylene Chloride	2.25	84	5641	Below Cal		92
25) 2-Butanone	4.34	43	1080	1.042	ug/l #	55
29) Tetrahydrofuran	4.07	42	1161	2.464	ug/l #	71
49) 1,4-Dioxane	7.05	88	71	4.818	ug/l #	20
95) Naphthalene	14.44	128	49322	9.176	ug/l	96

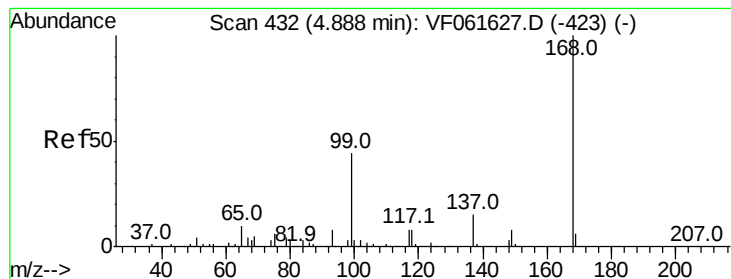
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
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MSVOA_F
ClientSampled :

Quant Time: Feb 28 00:31:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
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: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061768.D

Acq: 27 Feb 2019 16:07

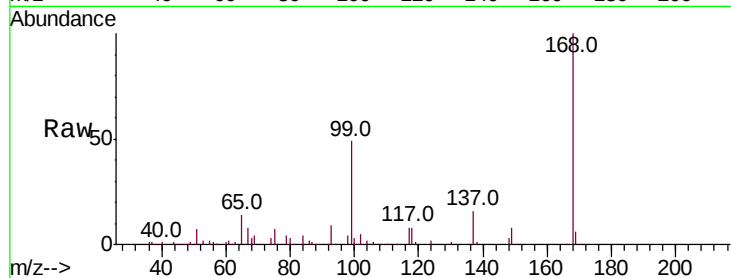
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 301659

Ion Ratio Lower Upper

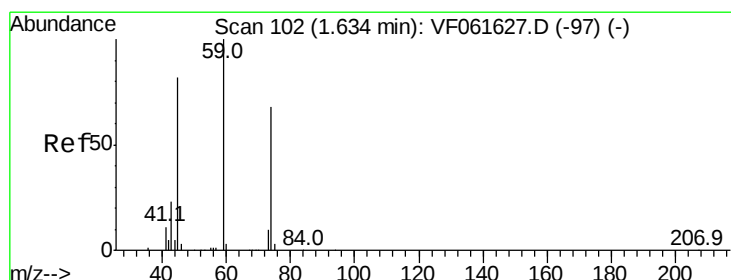
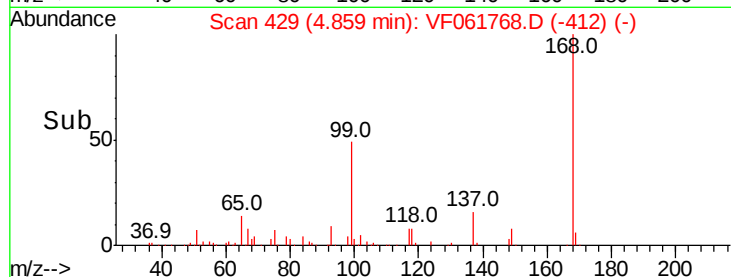
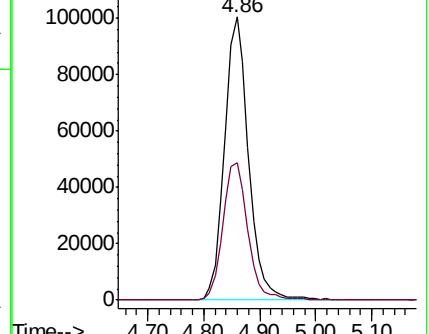
168 100

99 48.7 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 2.013 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061768.D

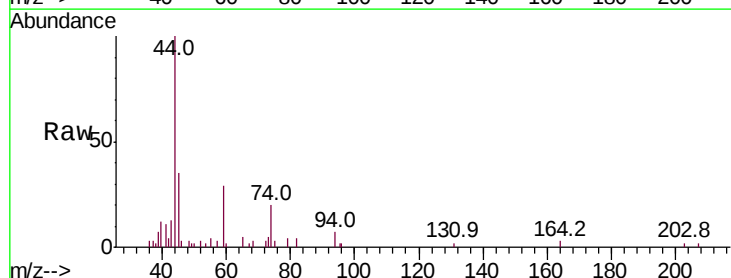
Acq: 27 Feb 2019 16:07

Tgt Ion: 74 Resp: 2067

Ion Ratio Lower Upper

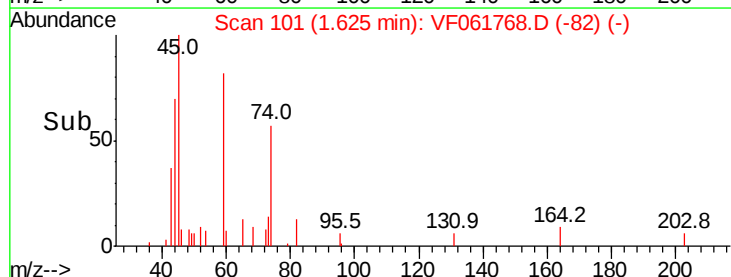
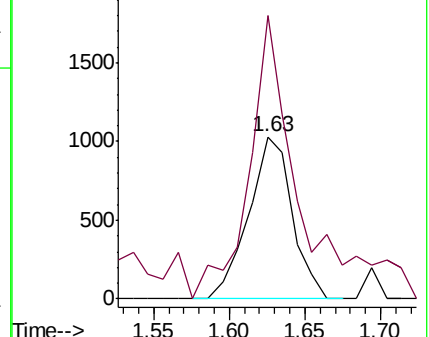
74 100

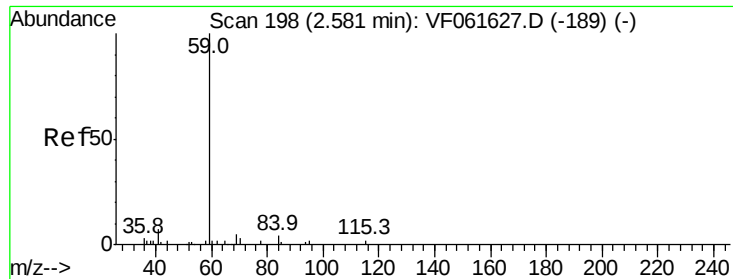
45 174.5 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

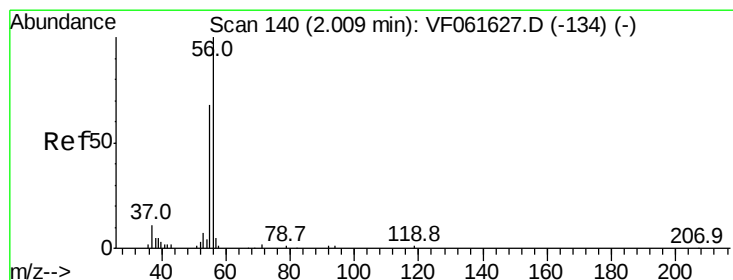
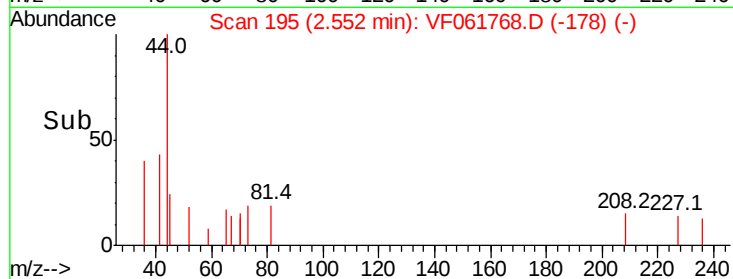
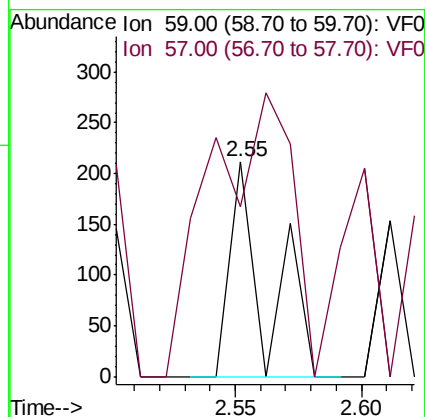
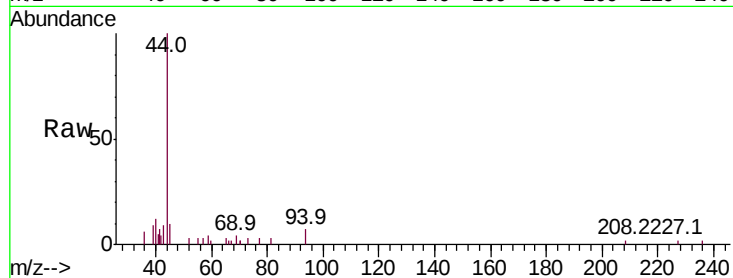




#11
Tert butyl alcohol
Concen: 1.679 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF061768.D
Acq: 27 Feb 2019 16:07

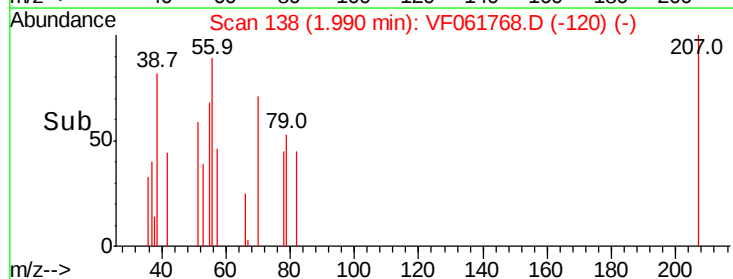
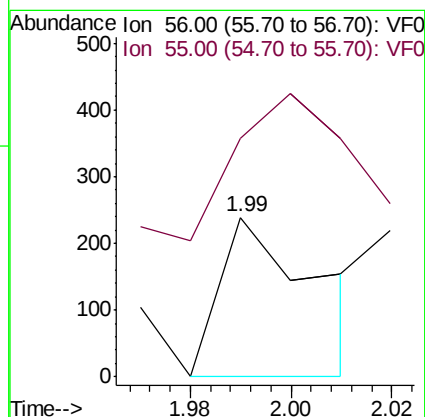
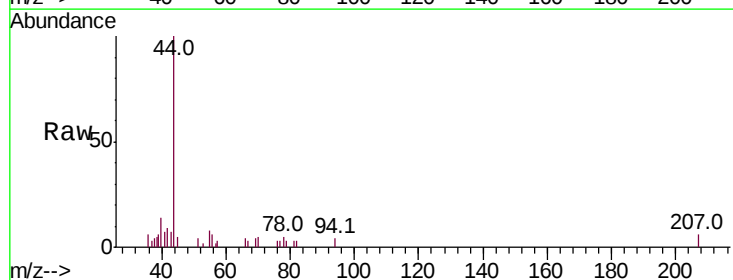
Instrument :
MSVOA_F
ClientSampleId :

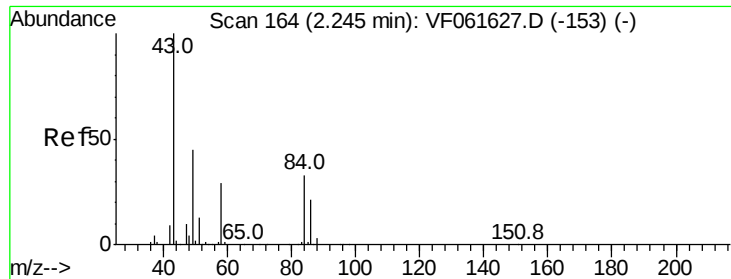
Tot Ion: 59 Resp: 215
Ion Ratio Lower Upper
59 100
57 78.8 12.5 18.7#



#13
Acrolein
Concen: 1.976 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.02 min
Lab File: VF061768.D
Acq: 27 Feb 2019 16:07

Tgt Ion: 56 Resp: 318
Ion Ratio Lower Upper
56 100
55 149.4 55.0 82.6#





#16

Acetone

Concen: 24.447 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061768.D

Acq: 27 Feb 2019 16:07

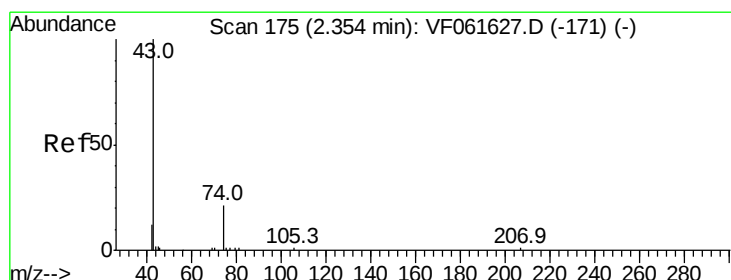
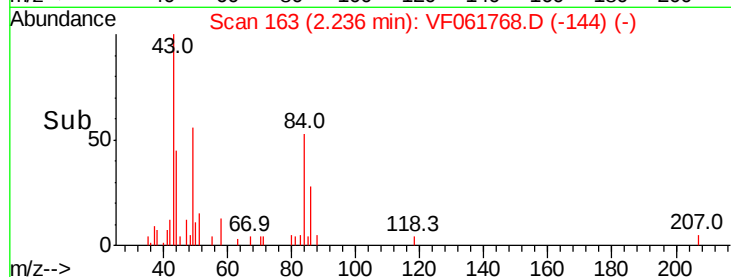
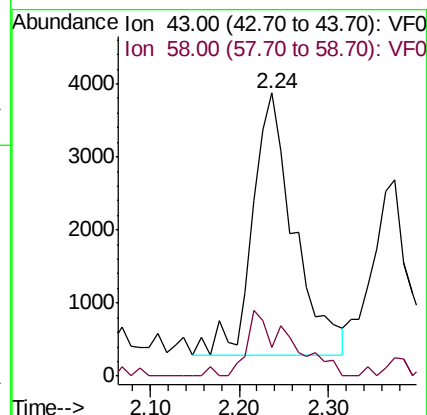
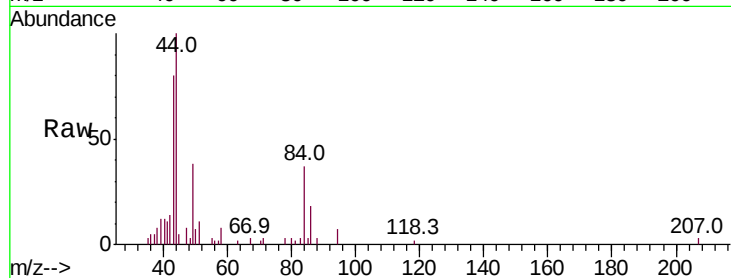
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 11603

Ion Ratio Lower Upper

43 100

58 10.0 22.9 34.3#



#18

Methyl Acetate

Concen: 6.467 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.02 min

Lab File: VF061768.D

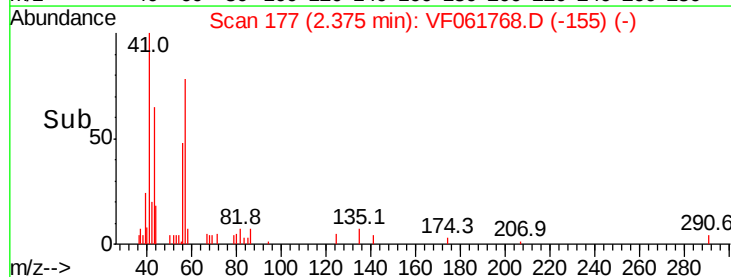
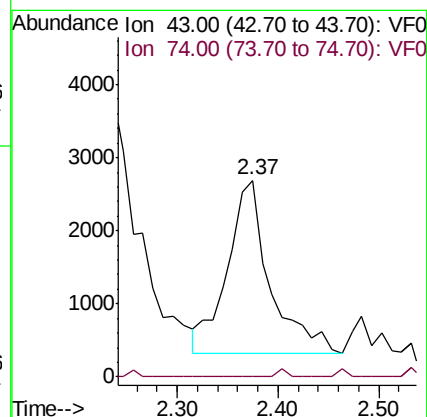
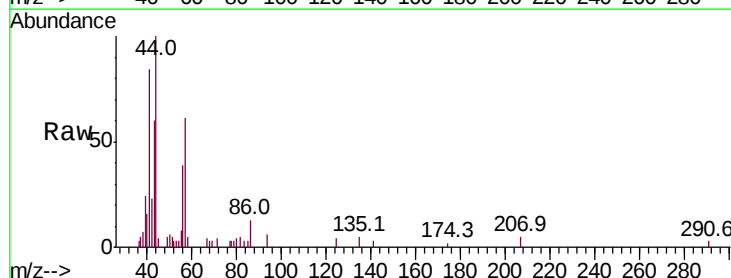
Acq: 27 Feb 2019 16:07

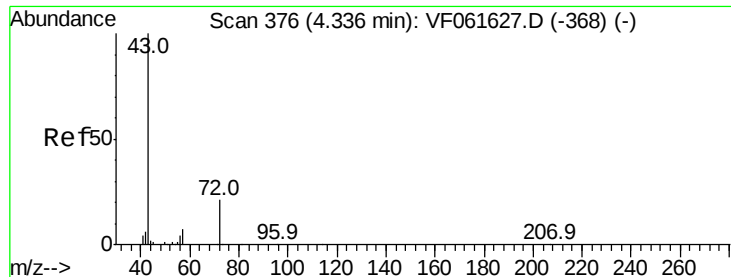
Tgt Ion: 43 Resp: 6915

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#





#25

2-Butanone

Concen: 1.042 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061768.D

Acq: 27 Feb 2019 16:07

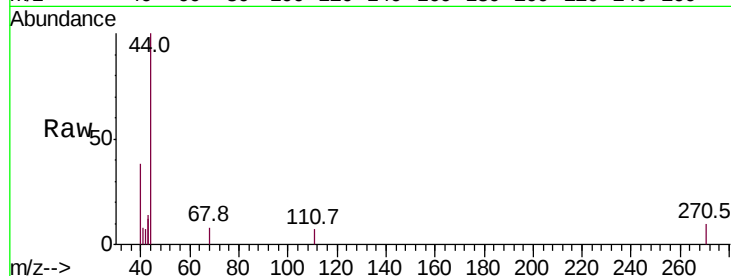
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1080

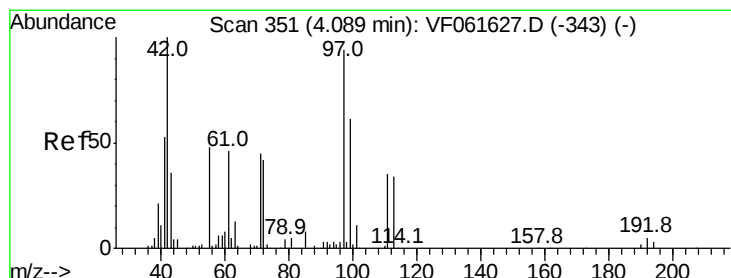
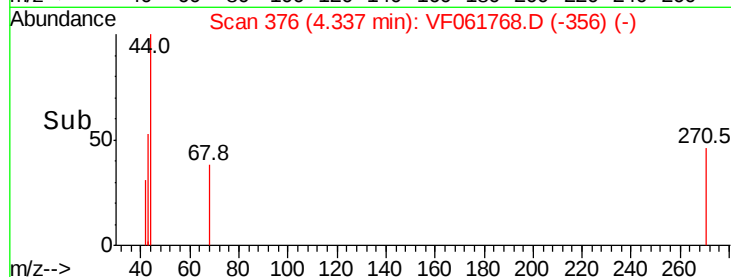
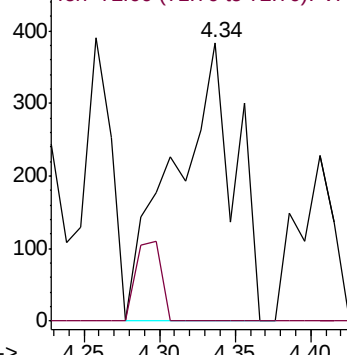
Ion Ratio Lower Upper

43 100

72 0.0 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 2.464 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF061768.D

Acq: 27 Feb 2019 16:07

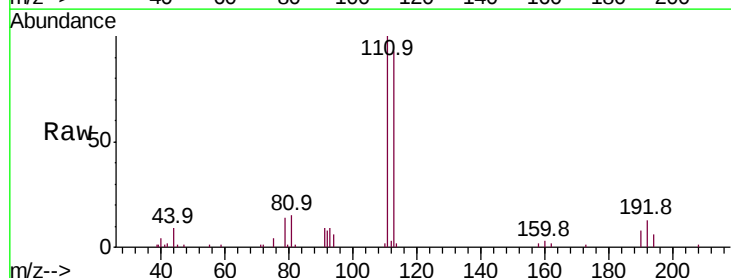
Tgt Ion: 42 Resp: 1161

Ion Ratio Lower Upper

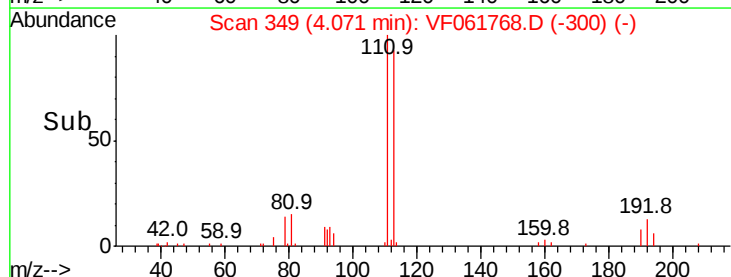
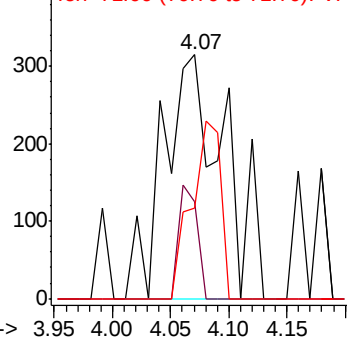
42 100

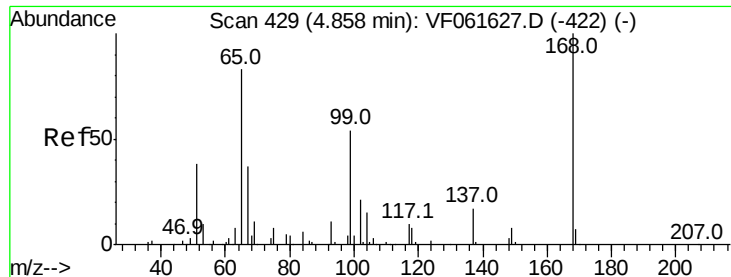
72 13.9 35.2 52.8#

71 34.3 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 48.820 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061768.D

Acq: 27 Feb 2019 16:07

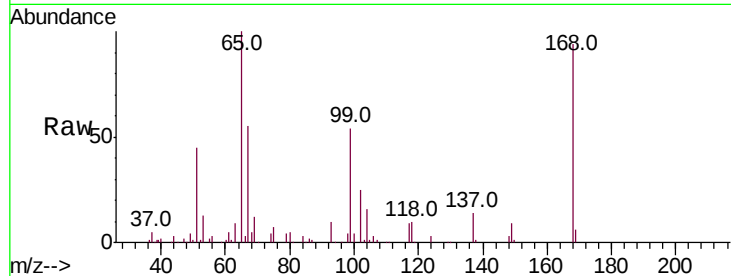
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 107994

Ion Ratio Lower Upper

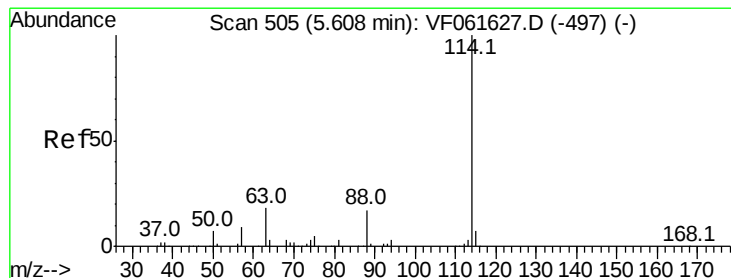
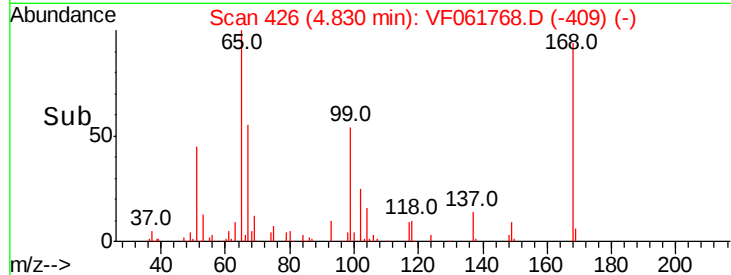
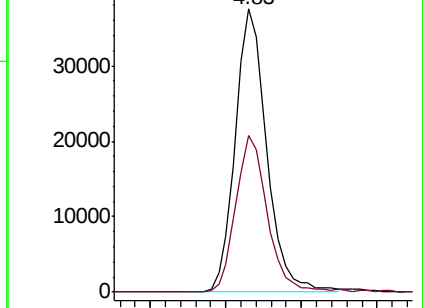
65 100

67 55.2 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. -0.02 min

Lab File: VF061768.D

Acq: 27 Feb 2019 16:07

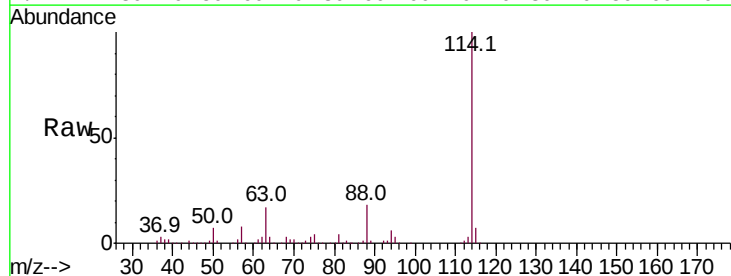
Tgt Ion: 114 Resp: 478286

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

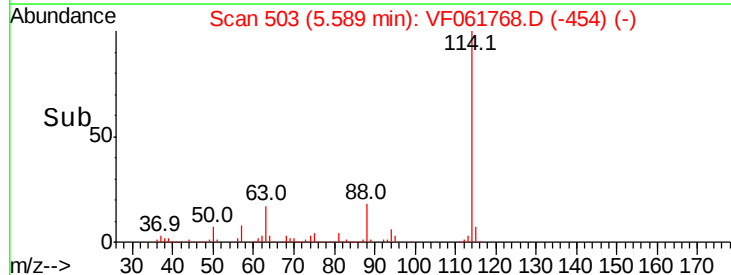
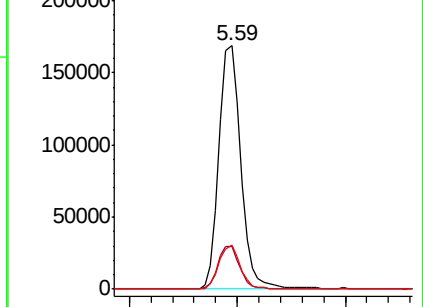
88 18.2 0.0 34.4

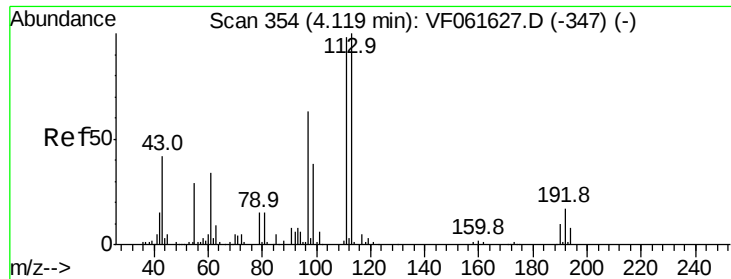


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 44.183 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061768.D

Acq: 27 Feb 2019 16:07

Instrument :
MSVOA_F
ClientSampleId :

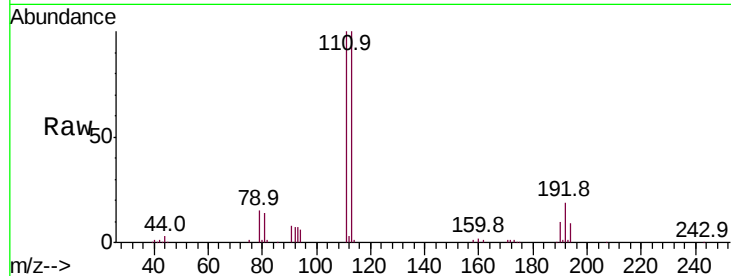
Tot Ion:113 Resp: 156929

Ion Ratio Lower Upper

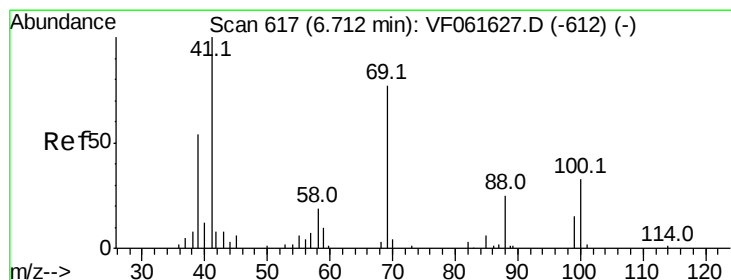
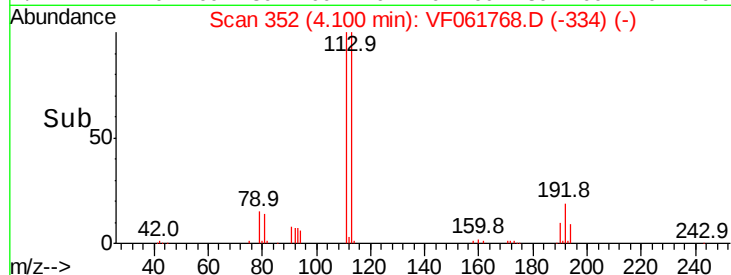
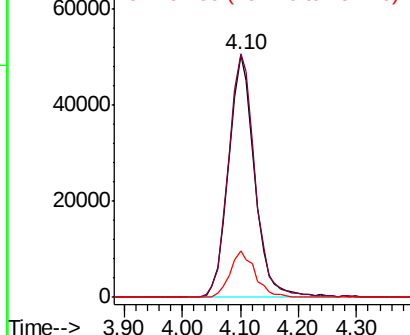
113 100

111 100.3 78.8 118.2

192 19.5 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



#49

1,4-Dioxane

Concen: 4.818 ug/l

RT: 7.05 min Scan# 651

Delta R.T. 0.34 min

Lab File: VF061768.D

Acq: 27 Feb 2019 16:07

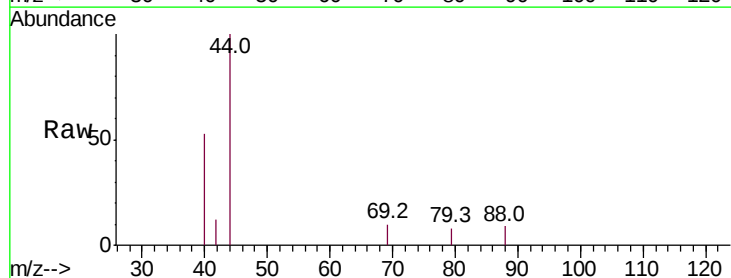
Tgt Ion: 88 Resp: 71

Ion Ratio Lower Upper

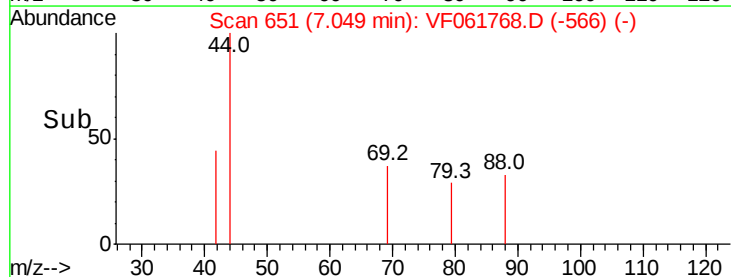
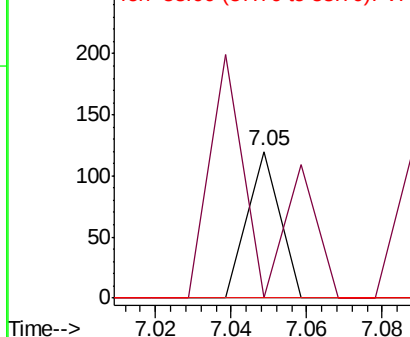
88 100

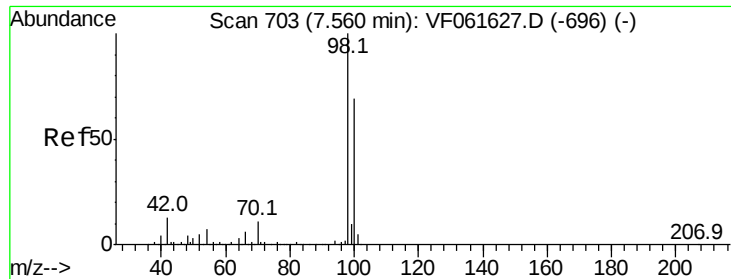
43 0.0 32.3 48.5#

58 0.0 59.4 89.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 36.254 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061768.D

Acq: 27 Feb 2019 16:07

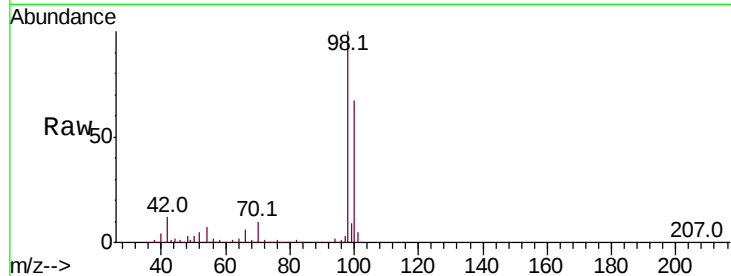
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 370162

Ion Ratio Lower Upper

98 100

100 66.5 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.54

150000

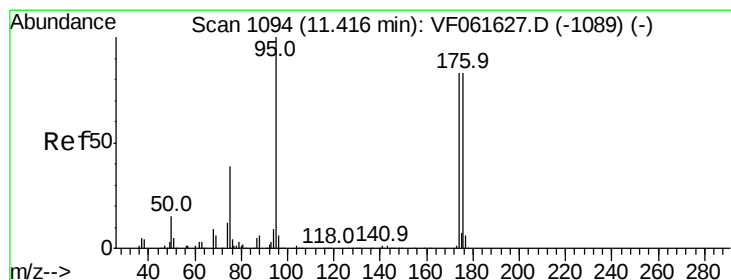
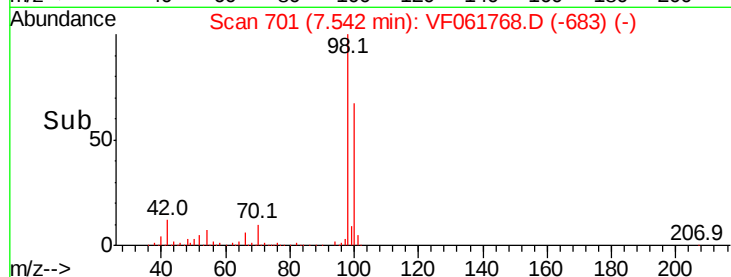
100000

50000

0

7.40 7.50 7.60 7.70

Time-->



#62

4-Bromofluorobenzene

Concen: 30.280 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061768.D

Acq: 27 Feb 2019 16:07

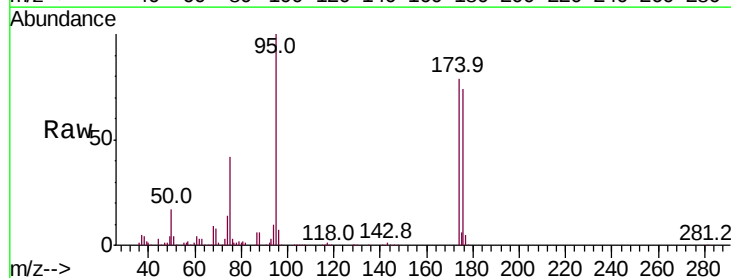
Tgt Ion: 95 Resp: 125097

Ion Ratio Lower Upper

95 100

174 78.7 0.0 165.8

176 73.7 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

80000

60000

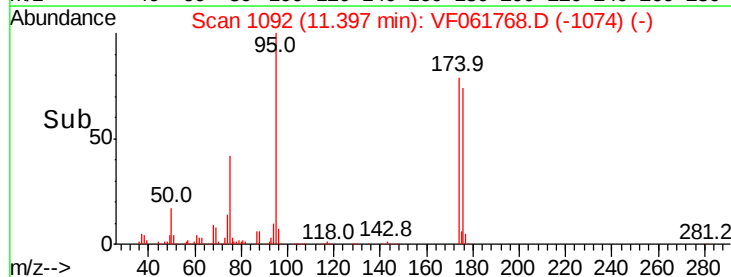
40000

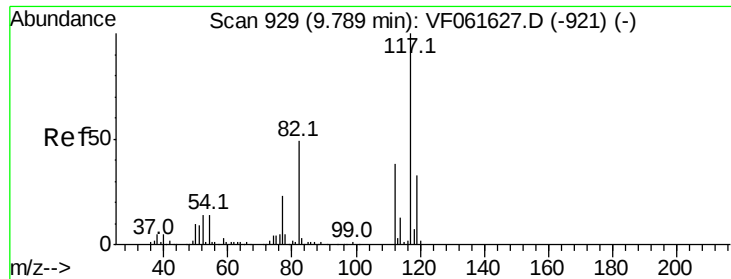
20000

0

11.30 11.40 11.50

Time-->

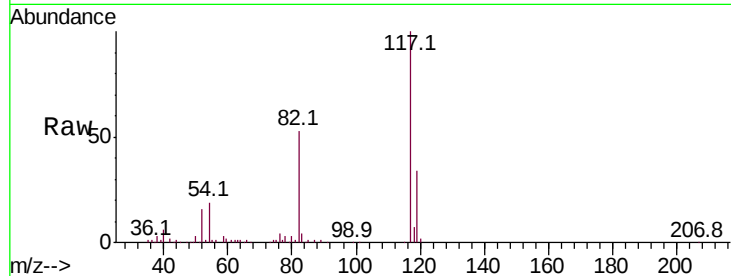




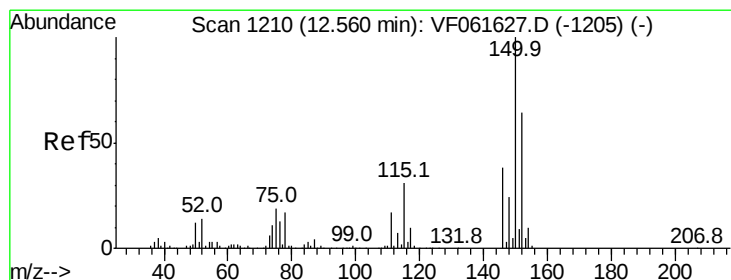
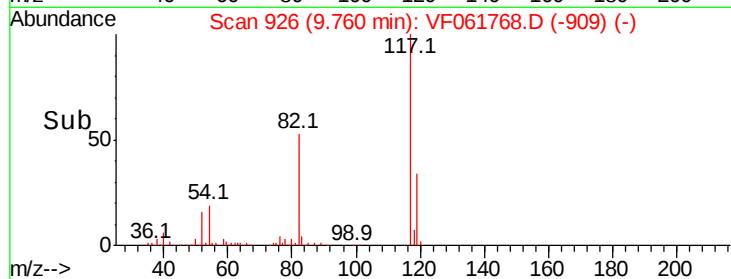
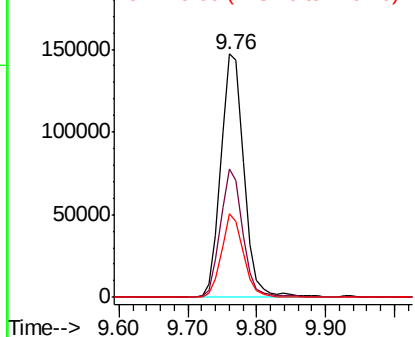
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061768.D
Acq: 27 Feb 2019 16:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	39.3	58.9
119	34.3	26.6	40.0

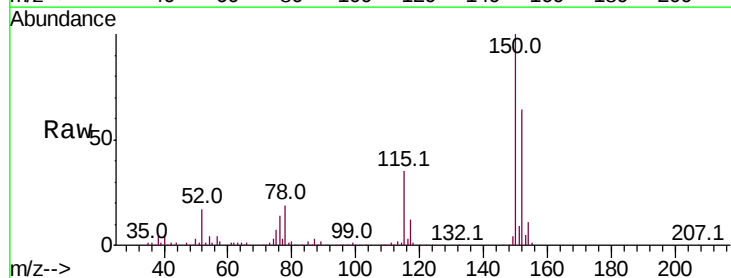


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

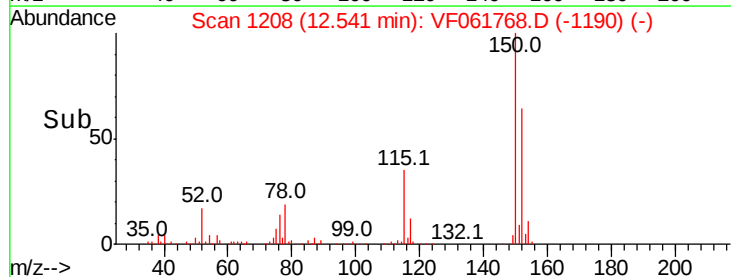
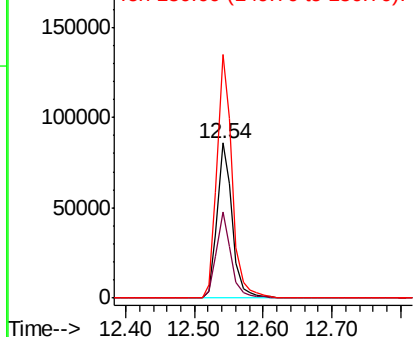


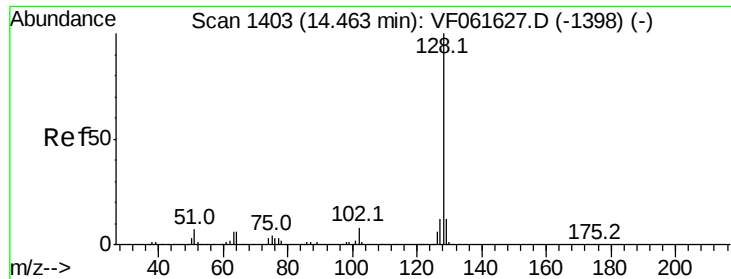
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061768.D
Acq: 27 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	24.3	72.8
150	157.2	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





#95
Naphthalene
Concen: 9.176 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061768.D
Acq: 27 Feb 2019 16:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 49322
Ion Ratio Lower Upper
128 100
127 10.9 9.8 14.6
129 10.0 9.4 14.2

