

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061766.D
 Acq On : 27 Feb 2019 15:09
 Operator : VA/AP
 Sample : K1633-03
 Misc : 5.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 28 00:31:25 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	351695	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	540302	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	462814	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	278401	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	114892	44.55	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	89.10%	
35) Dibromofluoromethane	4.09	113	185187	46.15	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	92.30%	
50) Toluene-d8	7.54	98	462378	40.09	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	80.18%	
62) 4-Bromofluorobenzene	11.40	95	208969	44.78	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.56%	

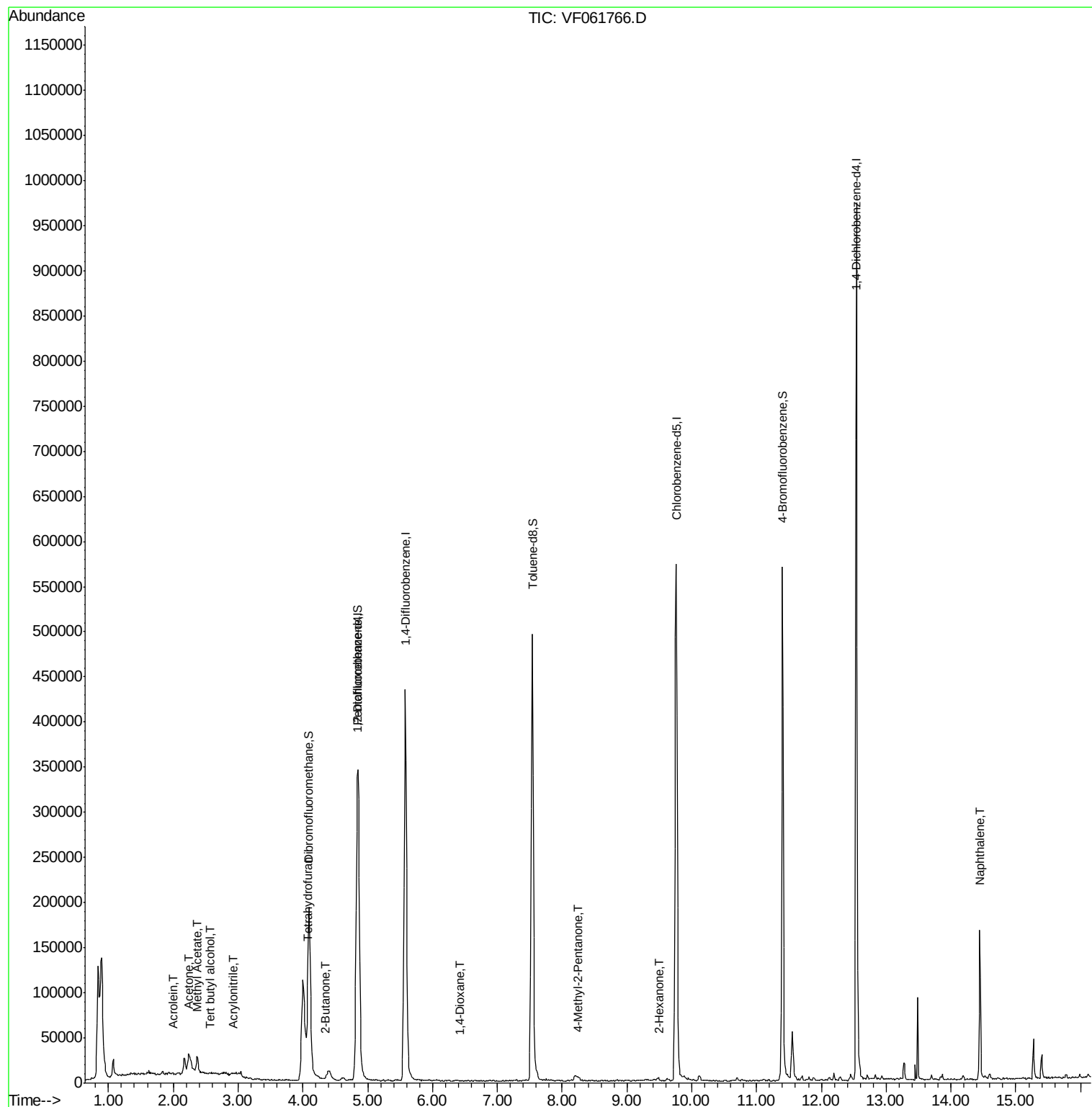
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.55	59	434	2.908	ug/l #	63
13) Acrolein	2.00	56	315	1.679	ug/l #	6
15) Acrylonitrile	2.94	53	714	1.349	ug/l #	76
16) Acetone	2.24	43	11367	20.542	ug/l #	77
18) Methyl Acetate	2.36	43	7841	6.290	ug/l #	59
25) 2-Butanone	4.34	43	1864	1.542	ug/l	100
29) Tetrahydrofuran	4.06	42	1899	3.457	ug/l #	66
49) 1,4-Dioxane	6.41	88	73	4.385	ug/l #	20
51) 4-Methyl-2-Pentanone	8.25	43	4848	2.306	ug/l #	83
59) 2-Hexanone	9.49	43	4004	2.717	ug/l	68
95) Naphthalene	14.44	128	124347	10.920	ug/l	97

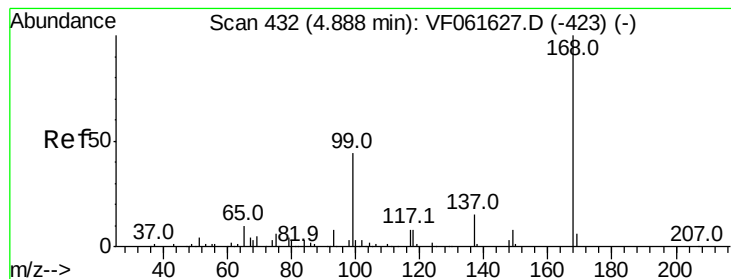
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
Data File : VF061766.D
Acq On : 27 Feb 2019 15:09
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Misc : 5.10g/5mL/MSVOA-F/SOIL
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Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Feb 28 00:31:25 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: VF061766.D

Acq: 27 Feb 2019 15:09

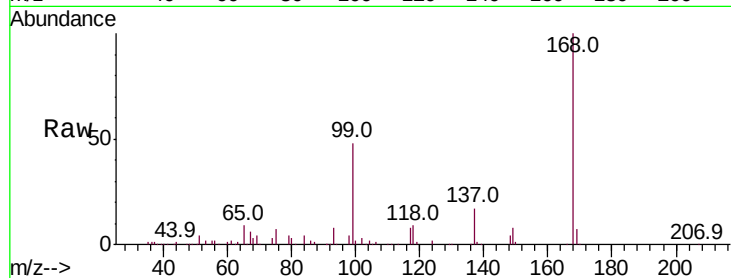
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 351695

Ion Ratio Lower Upper

168 100

99 47.7 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

120000

100000

80000

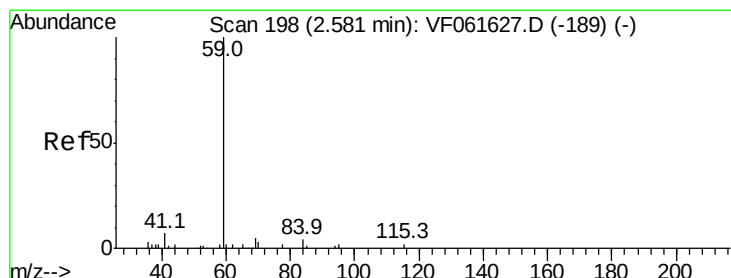
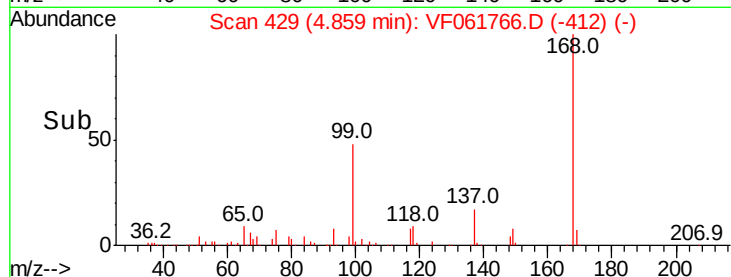
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.908 ug/l

RT: 2.55 min Scan# 195

Delta R.T. -0.03 min

Lab File: VF061766.D

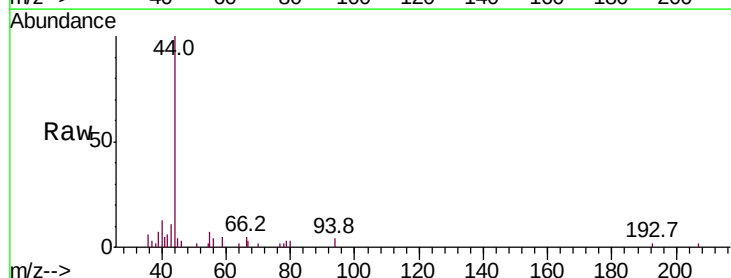
Acq: 27 Feb 2019 15:09

Tgt Ion: 59 Resp: 434

Ion Ratio Lower Upper

59 100

57 0.0 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.55

250

200

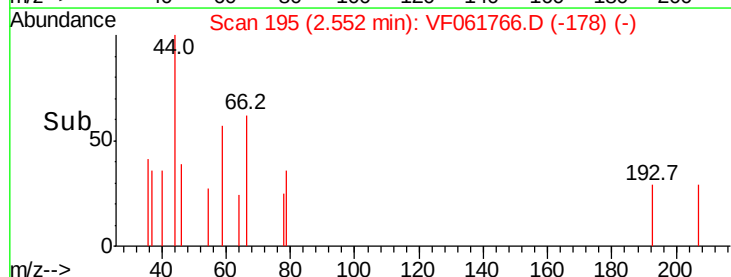
150

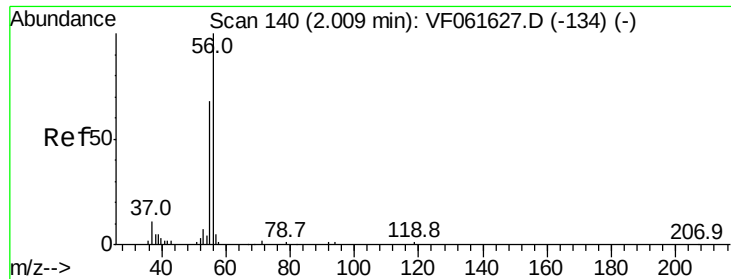
100

50

0

Time-->

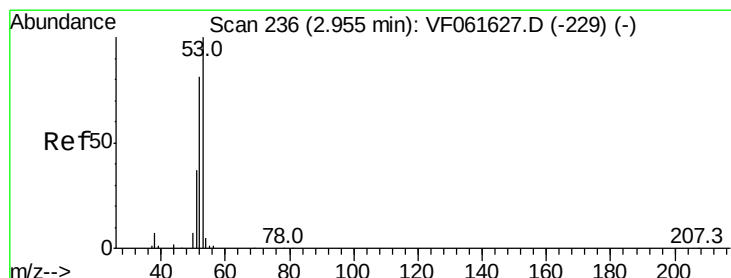
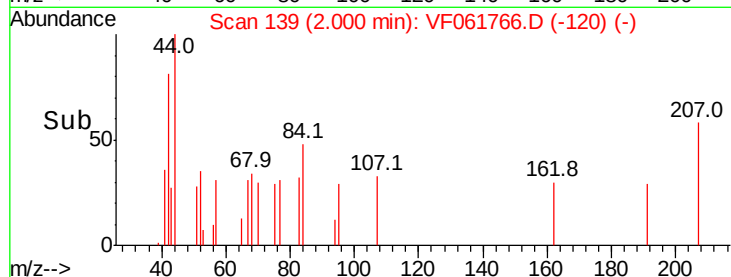
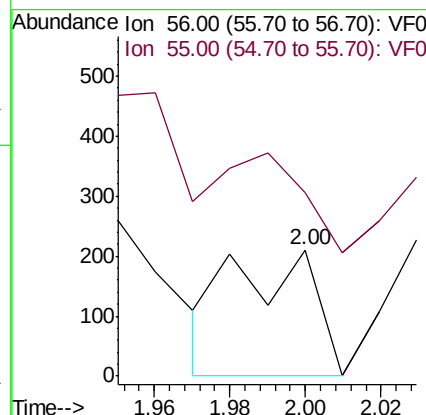
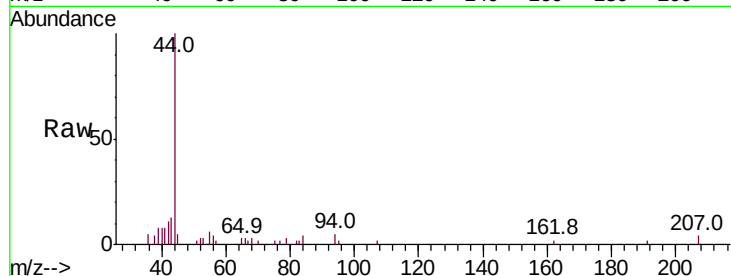




#13
Acrolein
Concen: 1.679 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061766.D
Acq: 27 Feb 2019 15:09

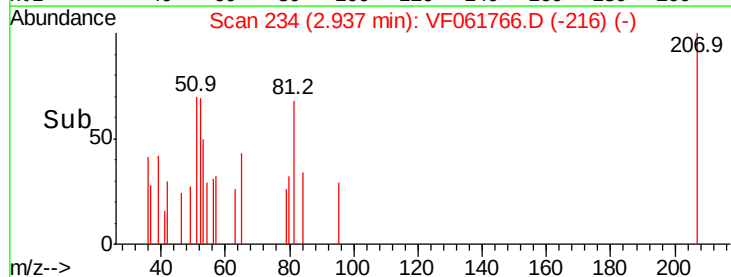
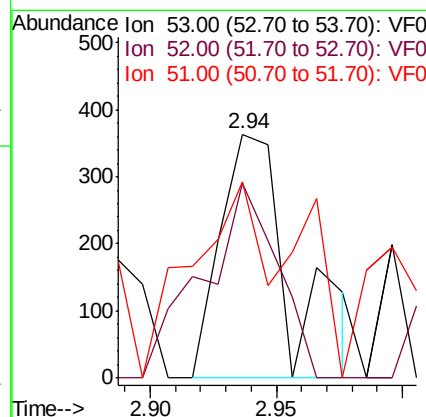
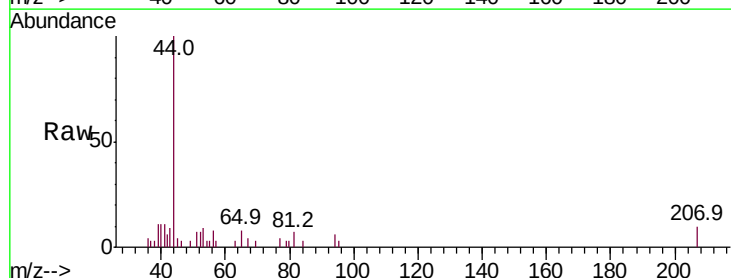
Instrument :
MSVOA_F
ClientSampled :

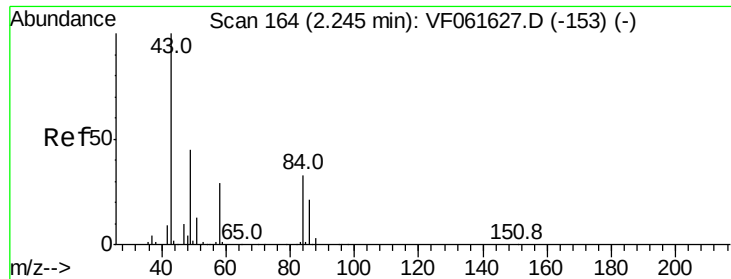
Tot Ion: 56 Resp: 315
Ion Ratio Lower Upper
56 100
55 145.2 55.0 82.6#



#15
Acrylonitrile
Concen: 1.349 ug/l
RT: 2.94 min Scan# 234
Delta R.T. -0.02 min
Lab File: VF061766.D
Acq: 27 Feb 2019 15:09

Tgt Ion: 53 Resp: 714
Ion Ratio Lower Upper
53 100
52 79.9 64.6 97.0
51 80.7 29.8 44.8#





#16

Acetone

Concen: 20.542 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061766.D

Acq: 27 Feb 2019 15:09

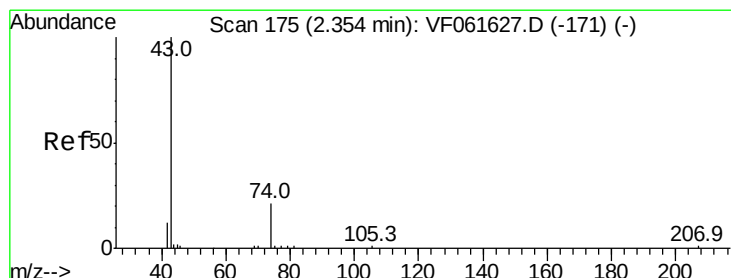
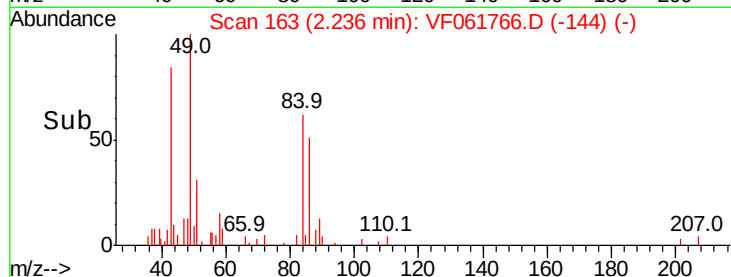
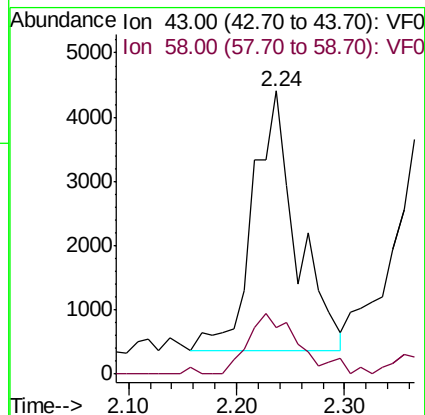
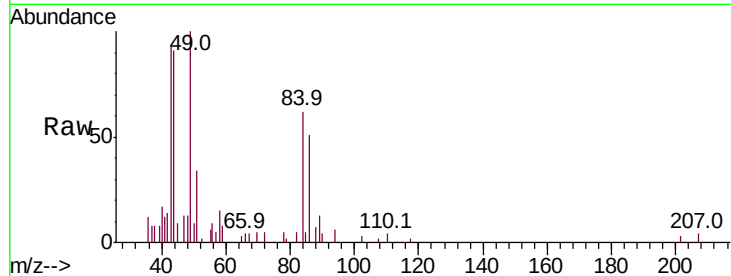
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 11367

Ion Ratio Lower Upper

43 100

58 16.6 22.9 34.3#



#18

Methyl Acetate

Concen: 6.290 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF061766.D

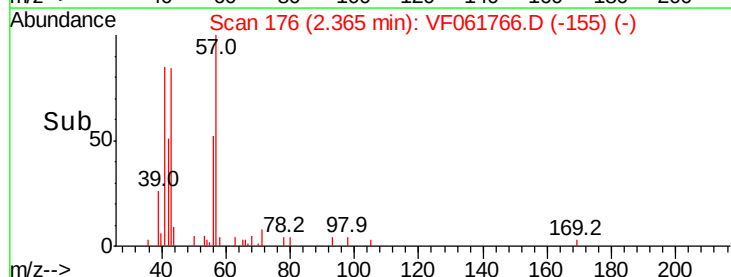
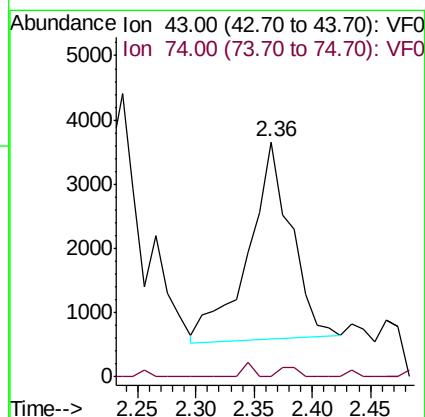
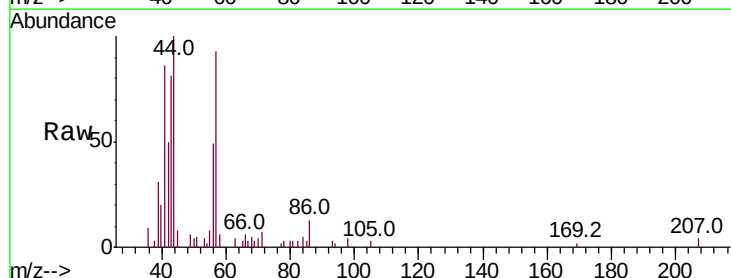
Acq: 27 Feb 2019 15:09

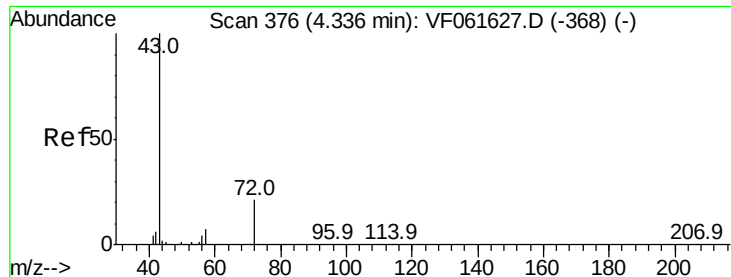
Tgt Ion: 43 Resp: 7841

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#





#25

2-Butanone

Concen: 1.542 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061766.D

Acq: 27 Feb 2019 15:09

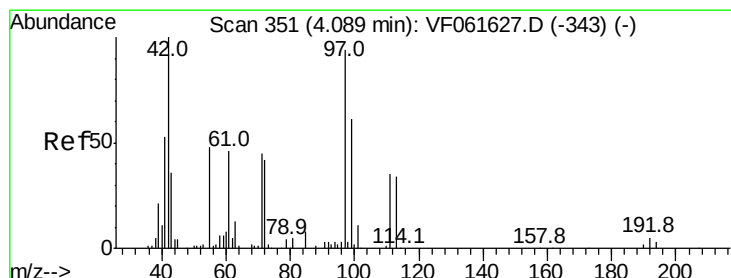
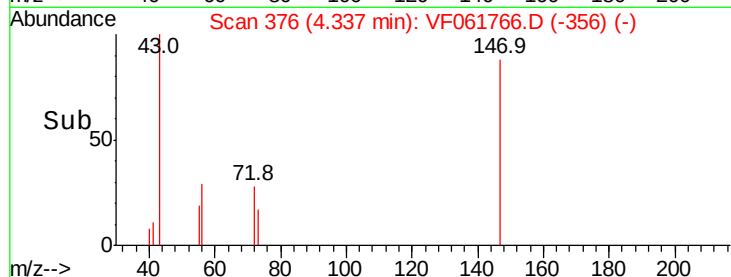
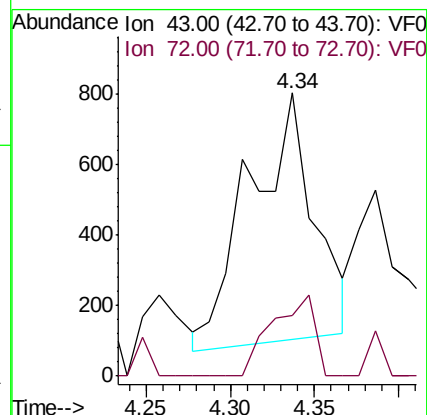
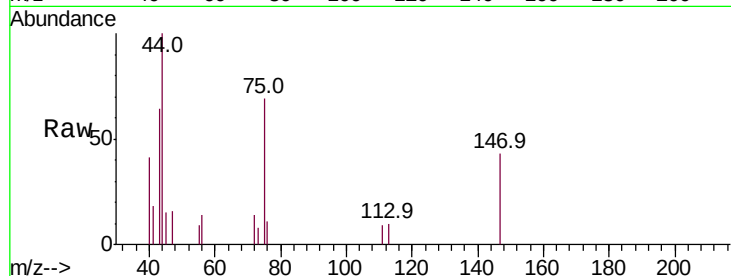
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1864

Ion Ratio Lower Upper

43 100

72 21.4 17.1 25.7



#29

Tetrahydrofuran

Concen: 3.457 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061766.D

Acq: 27 Feb 2019 15:09

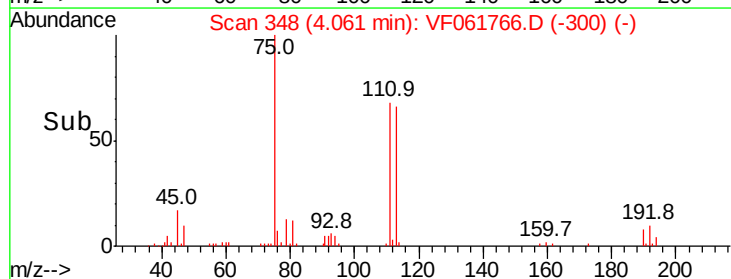
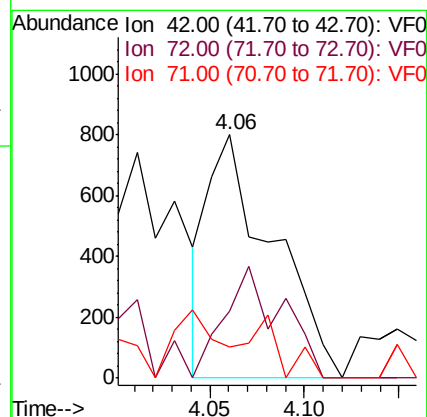
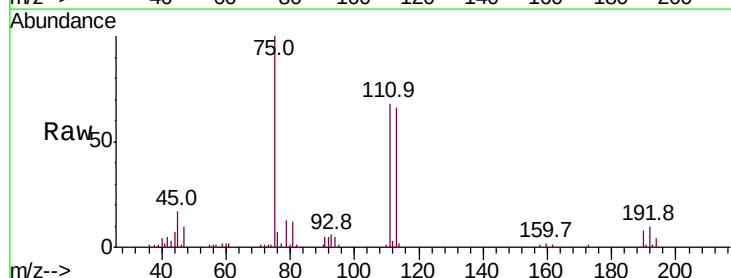
Tgt Ion: 42 Resp: 1899

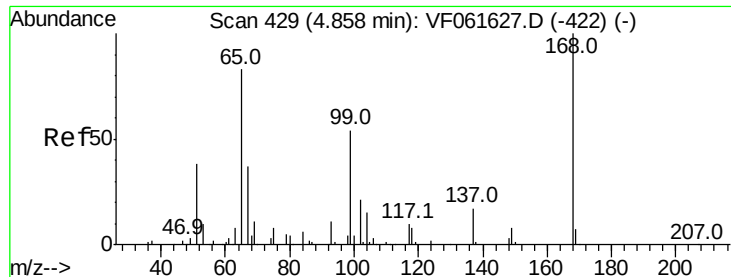
Ion Ratio Lower Upper

42 100

72 40.5 35.2 52.8

71 0.0 32.9 49.3#

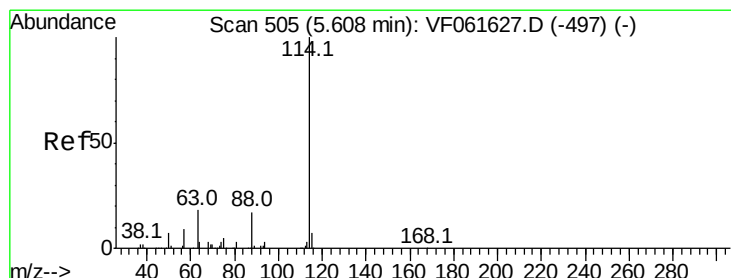
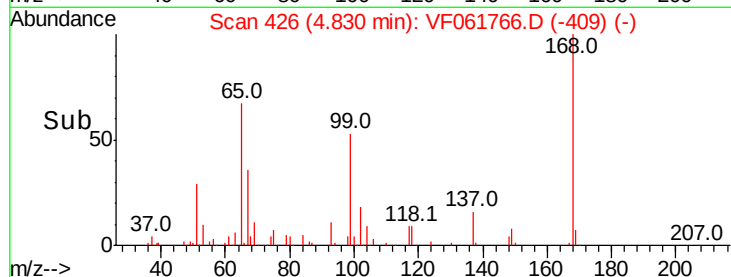
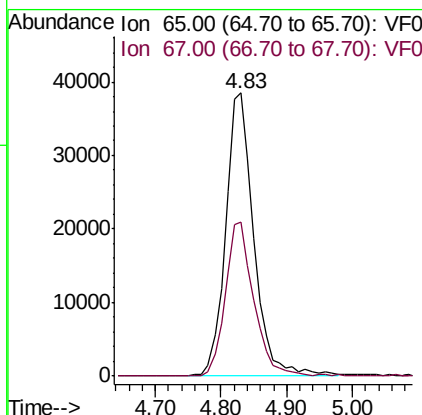
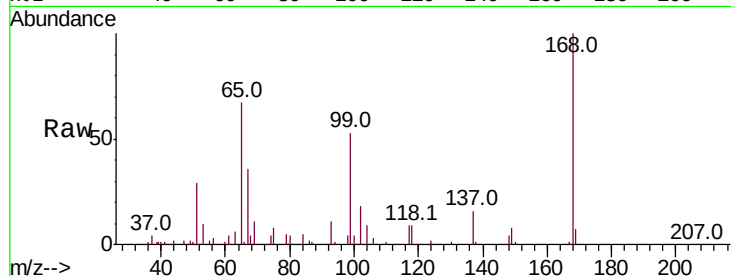




#33
 1,2-Dichloroethane-d4
 Concen: 44.549 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061766.D
 Acq: 27 Feb 2019 15:09

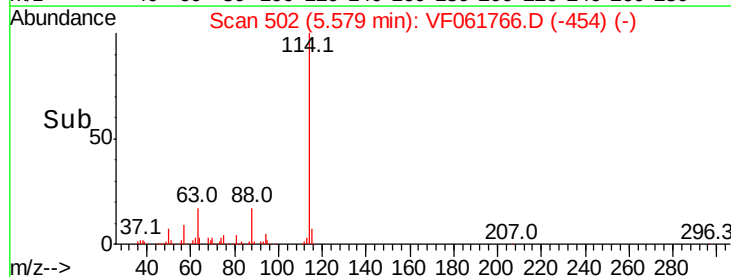
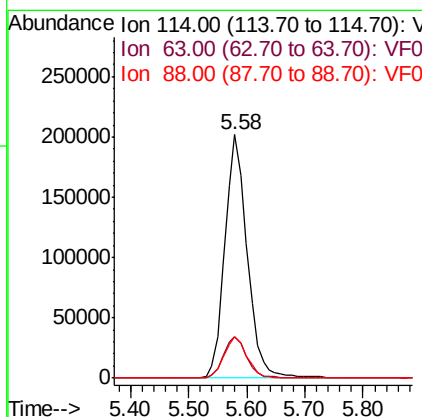
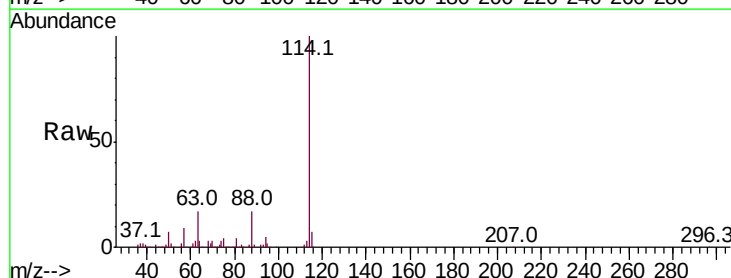
Instrument :
 MSVOA_F
 ClientSampled :

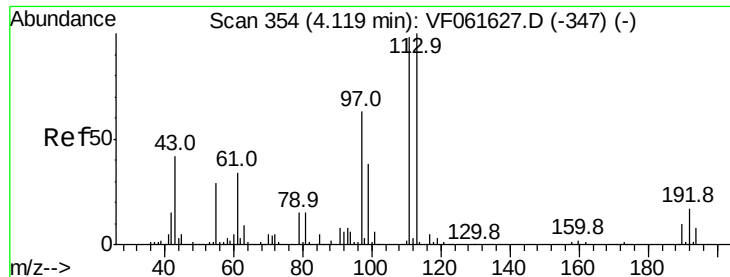
Tot Ion: 65 Resp: 114892
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061766.D
 Acq: 27 Feb 2019 15:09

Tgt Ion: 114 Resp: 540302
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 36.6
 88 17.1 0.0 34.4

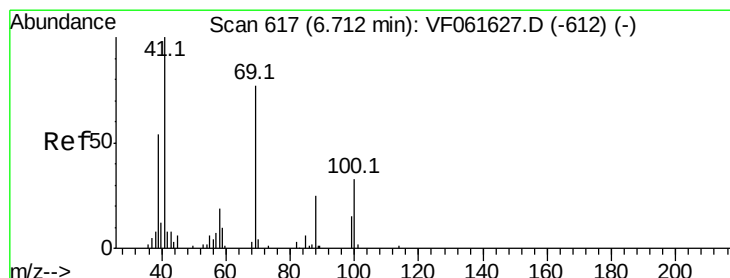
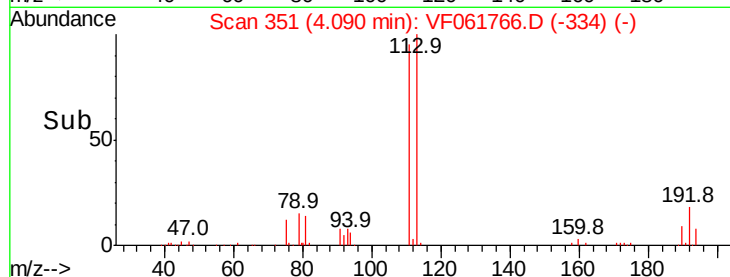
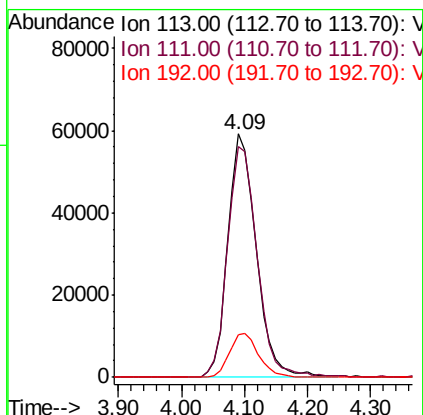
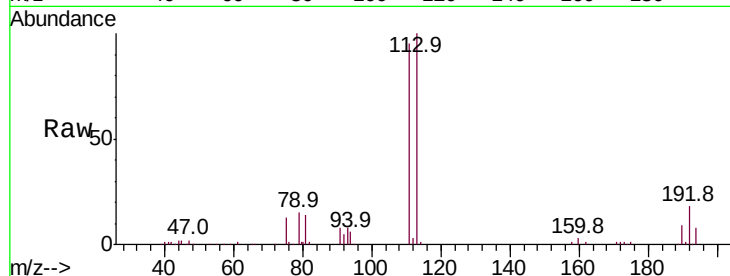




#35
Dibromofluoromethane
Concen: 46.155 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF061766.D
Acq: 27 Feb 2019 15:09

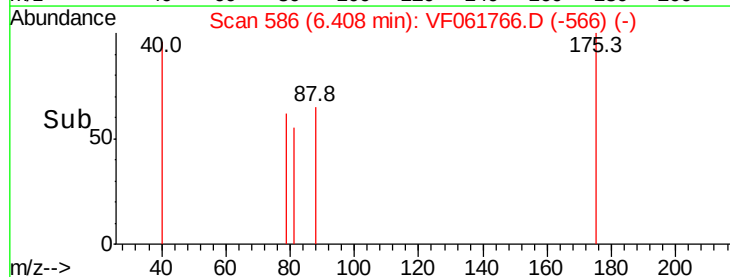
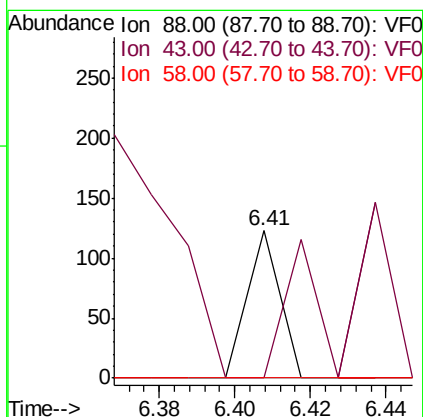
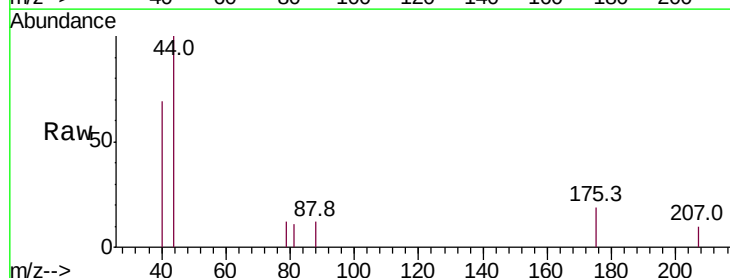
Instrument :
MSVOA_F
ClientSampleId :

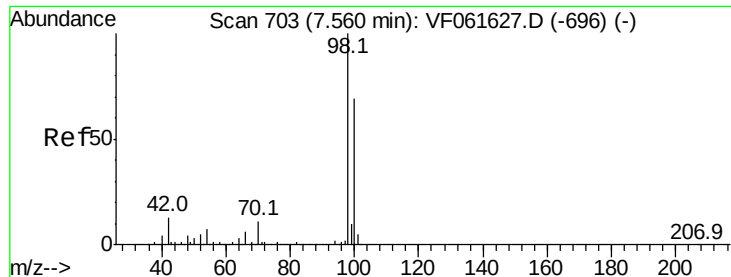
Tot Ion	Ratio	Lower	Upper
113	100		
111	95.0	78.8	118.2
192	18.1	13.4	20.0



#49
1,4-Dioxane
Concen: 4.385 ug/l
RT: 6.41 min Scan# 586
Delta R.T. -0.30 min
Lab File: VF061766.D
Acq: 27 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.3	48.5#
58	0.0	59.4	89.2#





#50

Toluene-d8

Concen: 40.087 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061766.D

Acq: 27 Feb 2019 15:09

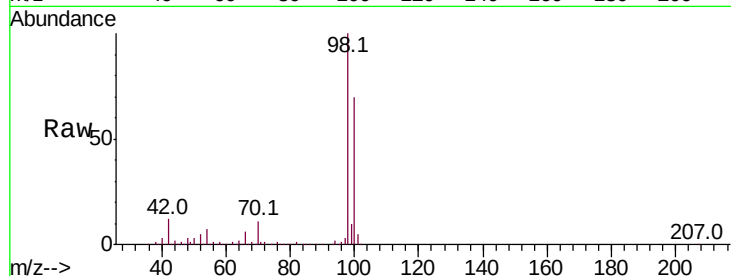
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 462378

Ion Ratio Lower Upper

98 100

100 69.6 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

200000

150000

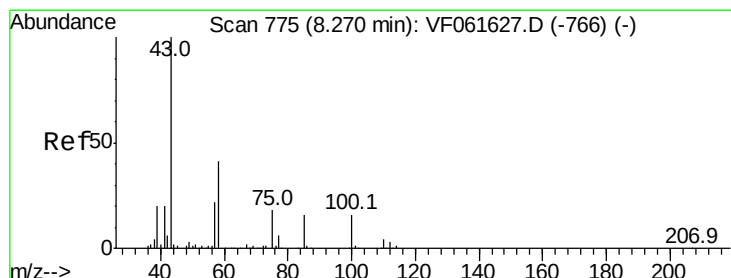
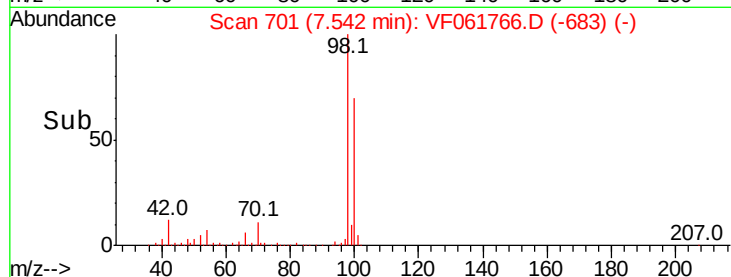
100000

50000

0

Time-->

7.40 7.50 7.60 7.70



#51

4-Methyl-2-Pentanone

Concen: 2.306 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061766.D

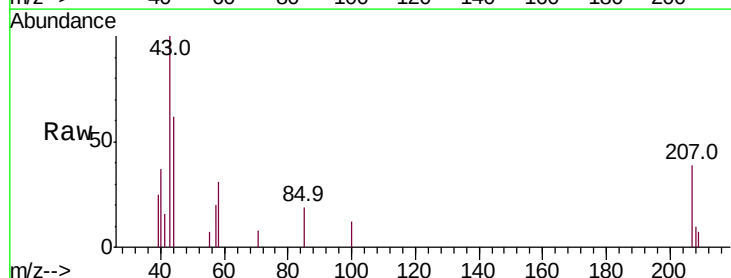
Acq: 27 Feb 2019 15:09

Tgt Ion: 43 Resp: 4848

Ion Ratio Lower Upper

43 100

58 30.9 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

1500

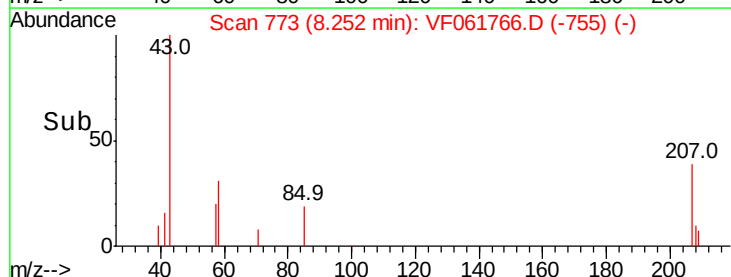
1000

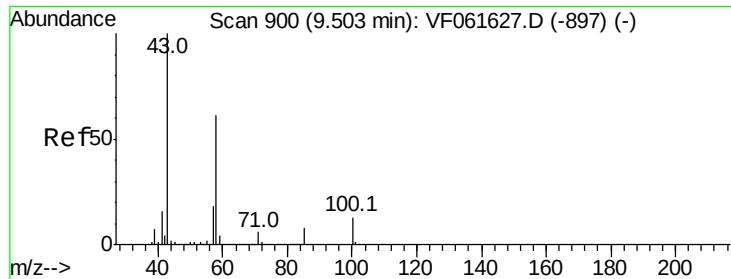
500

0

Time-->

8.10 8.20 8.30

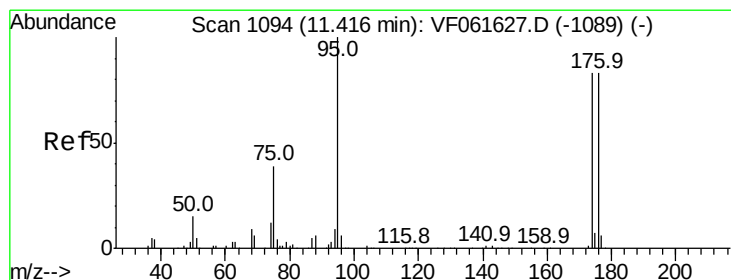
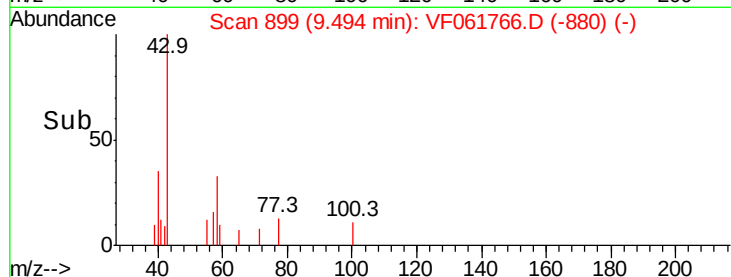
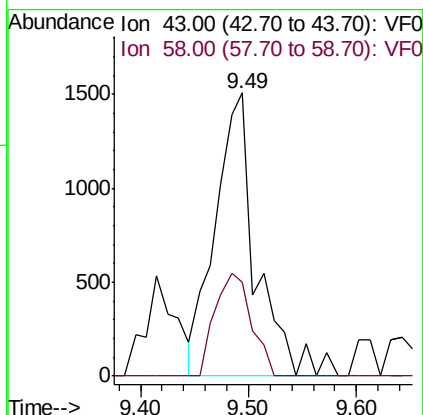
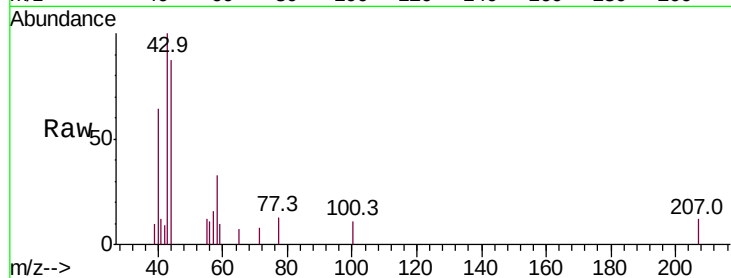




#59
2-Hexanone
Concen: 2.717 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF061766.D
Acq: 27 Feb 2019 15:09

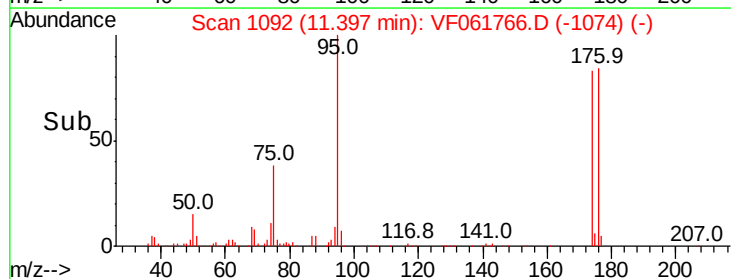
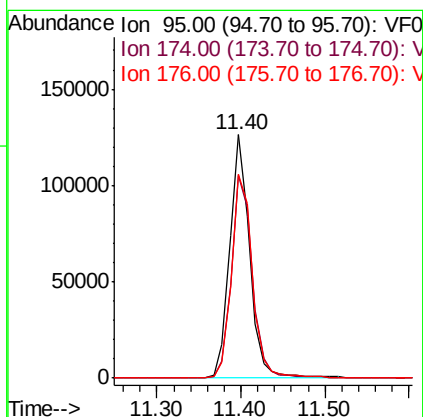
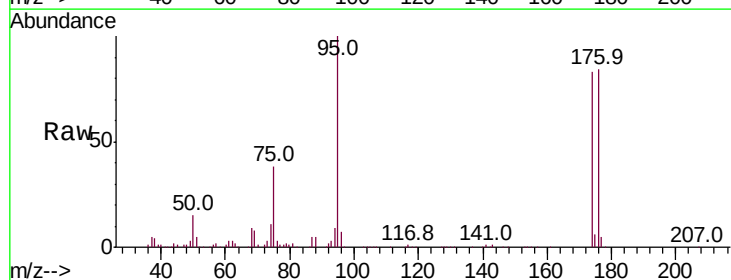
Instrument :
MSVOA_F
ClientSampleId :

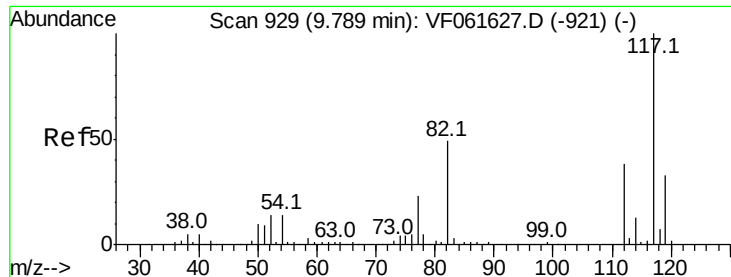
Tot Ion: 43 Resp: 4004
Ion Ratio Lower Upper
43 100
58 33.2 28.5 85.5



#62
4-Bromofluorobenzene
Concen: 44.776 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061766.D
Acq: 27 Feb 2019 15:09

Tgt Ion: 95 Resp: 208969
Ion Ratio Lower Upper
95 100
174 83.4 0.0 165.8
176 84.0 0.0 167.0

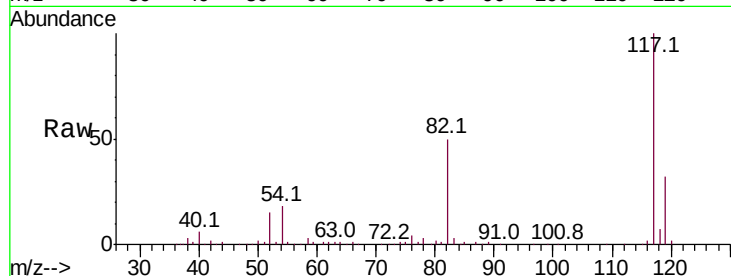




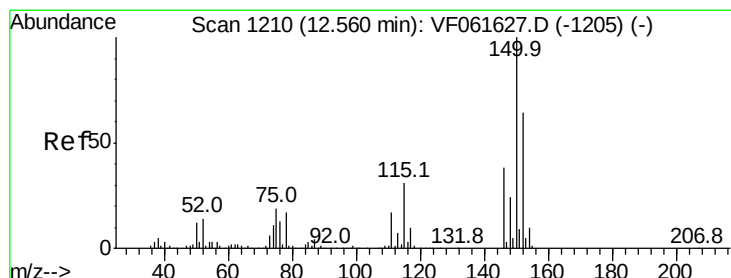
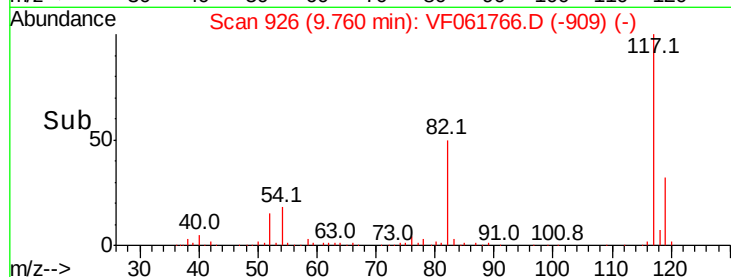
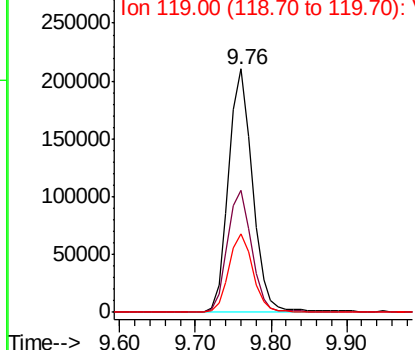
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061766.D
Acq: 27 Feb 2019 15:09

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 462814
Ion Ratio Lower Upper
117 100
82 49.9 39.3 58.9
119 32.5 26.6 40.0

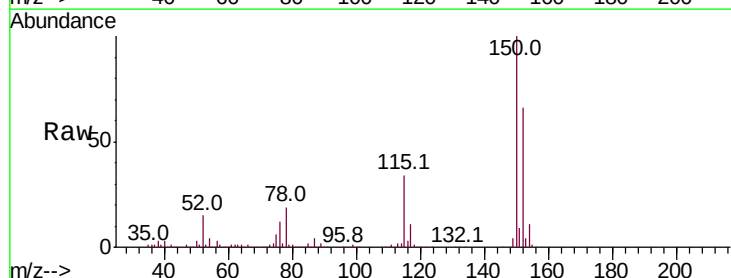


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

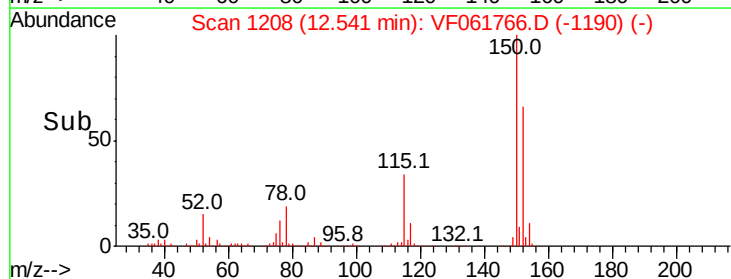
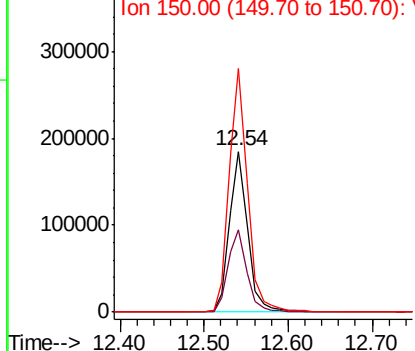


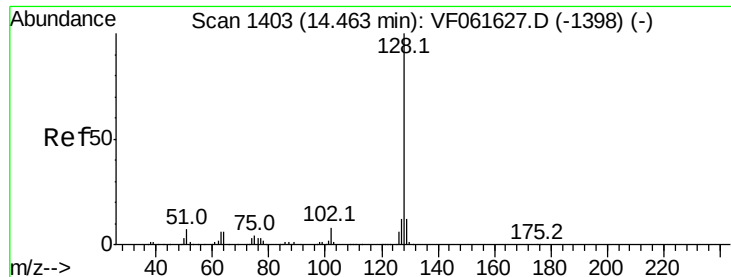
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061766.D
Acq: 27 Feb 2019 15:09

Tgt Ion:152 Resp: 278401
Ion Ratio Lower Upper
152 100
115 51.2 24.3 72.8
150 151.5 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: 10.920 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061766.D
Acq: 27 Feb 2019 15:09

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.5	9.8	14.6
129	10.5	9.4	14.2

