

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061777.D
 Acq On : 27 Feb 2019 20:24
 Operator : VA/AP
 Sample : K1350-15
 Misc : 7.53g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 28 01:01:34 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	248177	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	383041	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	269068	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	127534	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	78145	42.94	ug/l	-0.03
Spiked Amount			Recovery	=	85.88%	
35) Dibromofluoromethane	4.10	113	122751	43.15	ug/l	-0.02
Spiked Amount			Recovery	=	86.30%	
50) Toluene-d8	7.54	98	249321	30.49	ug/l	-0.02
Spiked Amount			Recovery	=	60.98%	
62) 4-Bromofluorobenzene	11.40	95	115818	35.01	ug/l	-0.02
Spiked Amount			Recovery	=	70.02%	

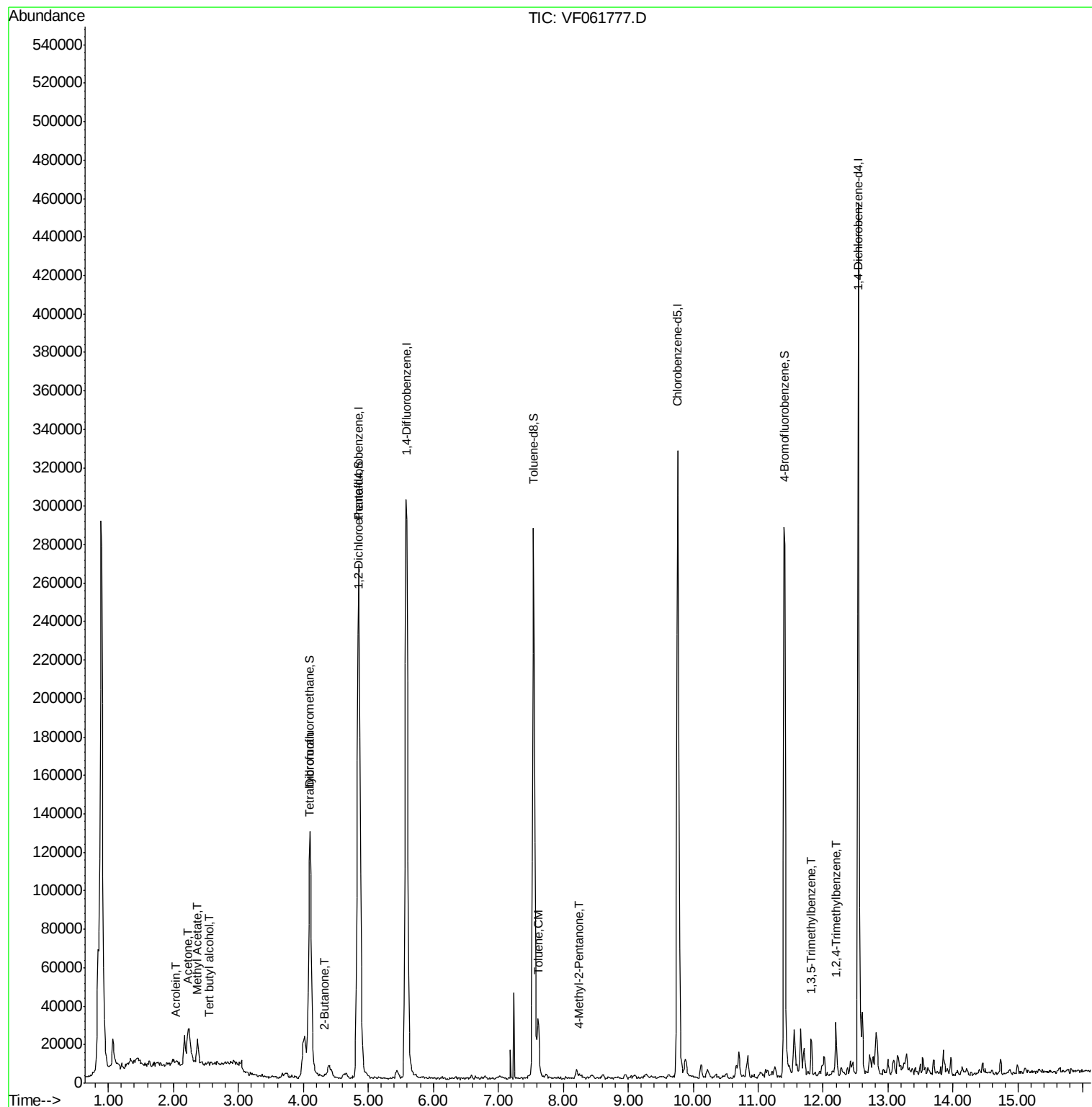
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.54	59	186	1.766	ug/l #	1
13) Acrolein	2.03	56	655	4.948	ug/l	95
16) Acetone	2.23	43	12678	32.468	ug/l	97
18) Methyl Acetate	2.37	43	8161	9.278	ug/l #	59
25) 2-Butanone	4.34	43	2336	2.739	ug/l #	55
29) Tetrahydrofuran	4.08	42	1214	3.132	ug/l #	39
51) 4-Methyl-2-Pentanone	8.24	43	2387	1.601	ug/l #	79
52) Toluene	7.61	92	17693	2.939	ug/l	93
80) 1,3,5-Trimethylbenzene	11.81	105	10797	1.488	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	11807	1.638	ug/l	94

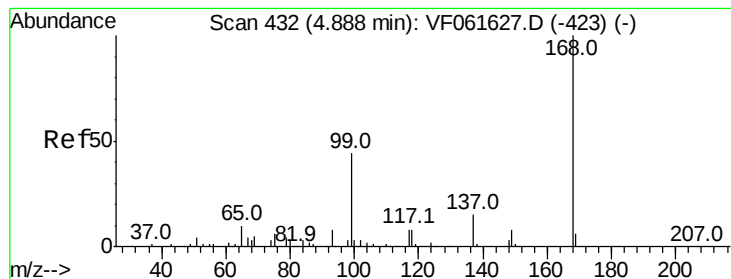
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
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Quant Time: Feb 28 01:01:34 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: VF061777.D

Acq: 27 Feb 2019 20:24

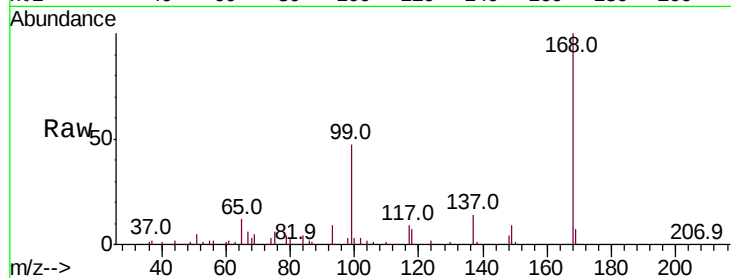
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 248177

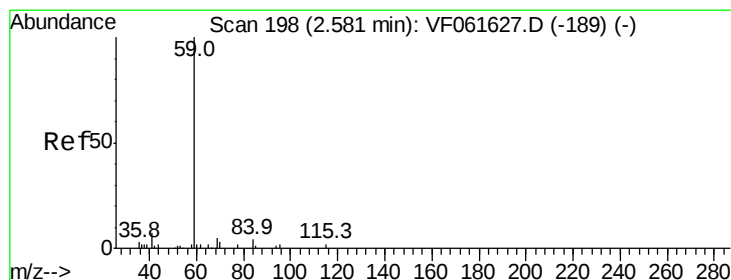
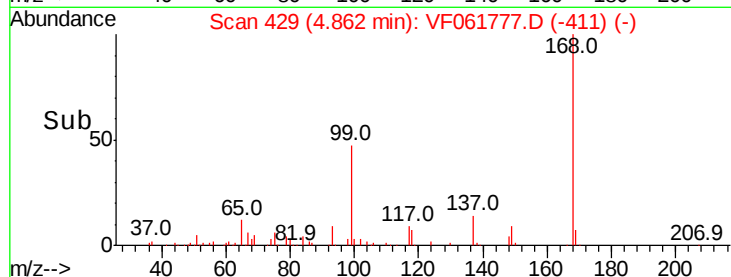
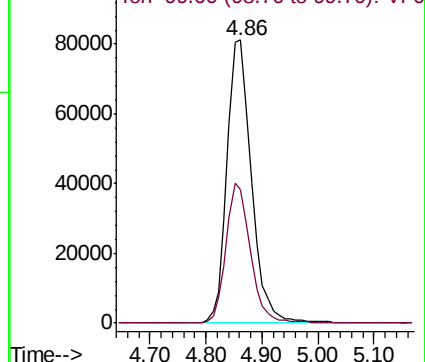
Ion Ratio Lower Upper

168 100

99 47.2 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 1.766 ug/l

RT: 2.54 min Scan# 194

Delta R.T. -0.04 min

Lab File: VF061777.D

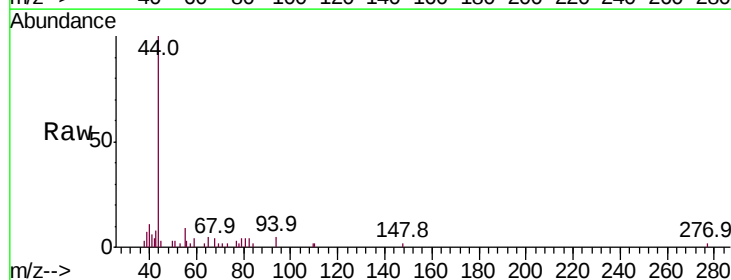
Acq: 27 Feb 2019 20:24

Tgt Ion: 59 Resp: 186

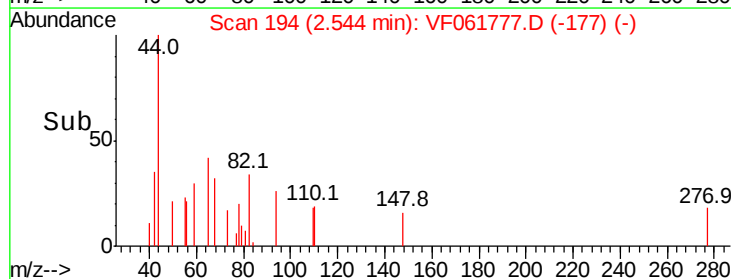
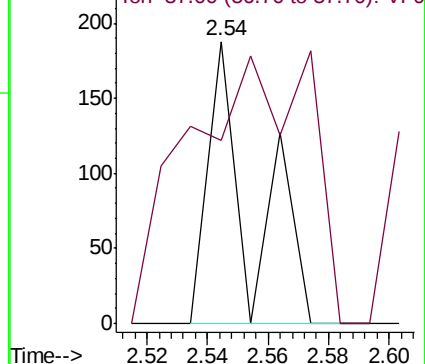
Ion Ratio Lower Upper

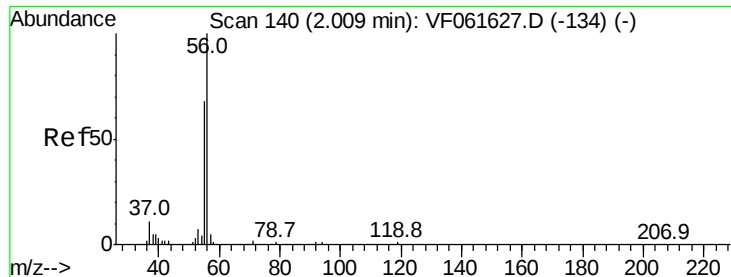
59 100

57 64.9 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 4.948 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.02 min

Lab File: VF061777.D

Acq: 27 Feb 2019 20:24

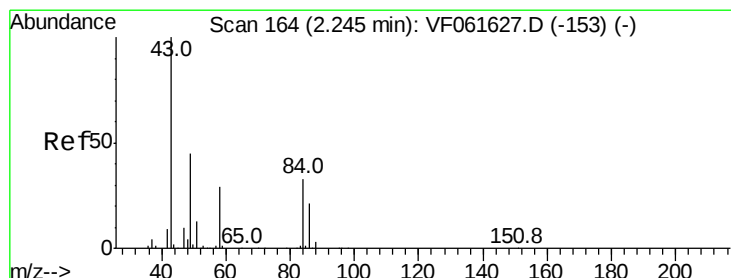
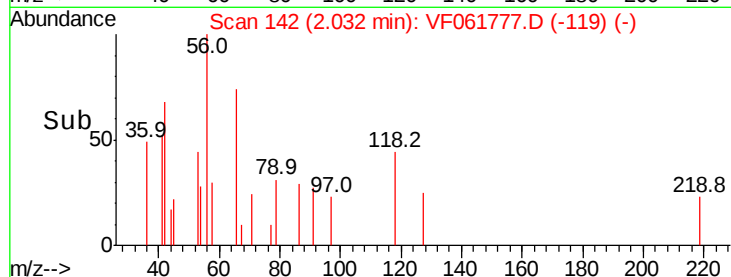
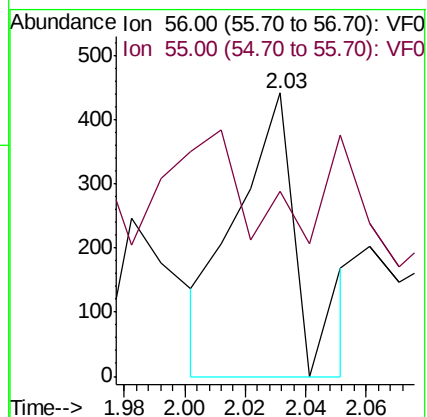
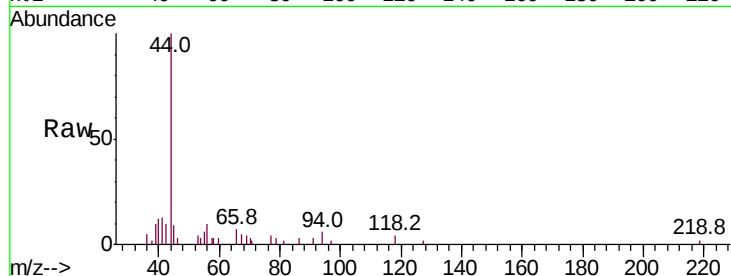
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 655

Ion Ratio Lower Upper

56 100

55 65.1 55.0 82.6



#16

Acetone

Concen: 32.468 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061777.D

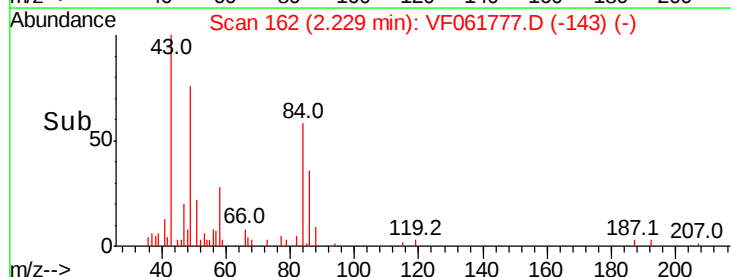
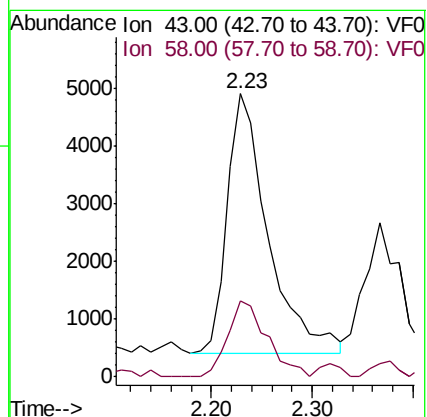
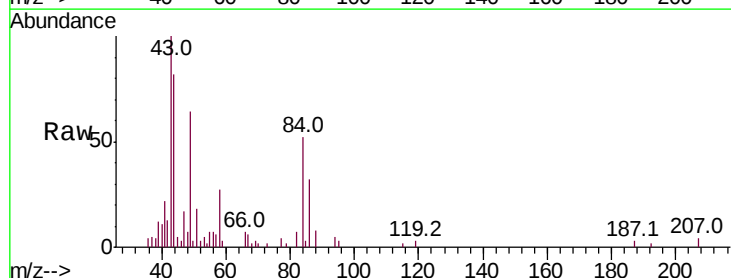
Acq: 27 Feb 2019 20:24

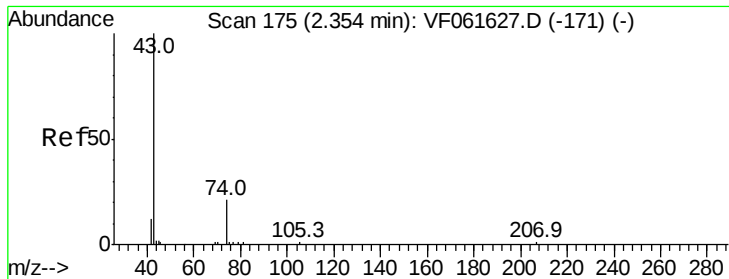
Tgt Ion: 43 Resp: 12678

Ion Ratio Lower Upper

43 100

58 26.9 22.9 34.3

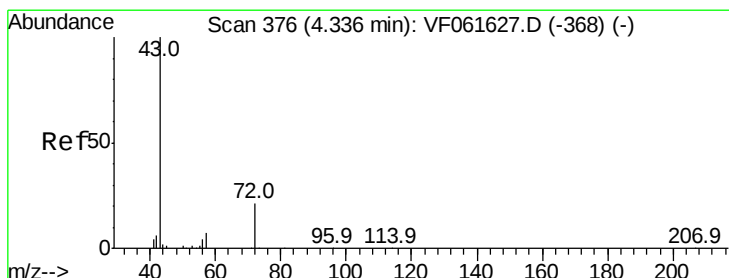
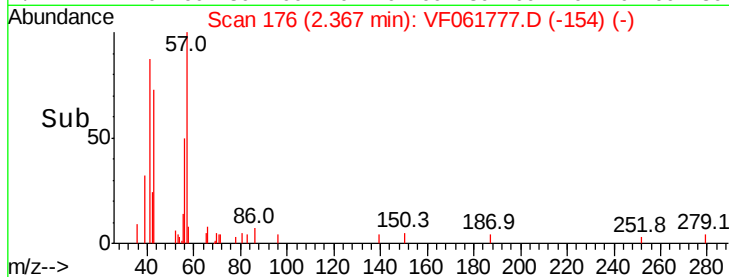
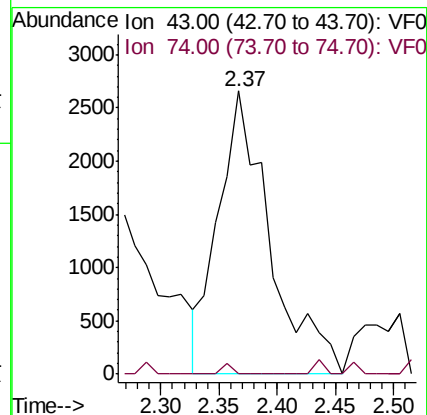
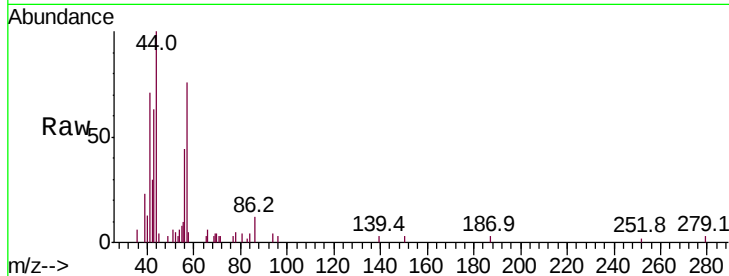




#18
Methvl Acetate
Concen: 9.278 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF061777.D
Acq: 27 Feb 2019 20:24

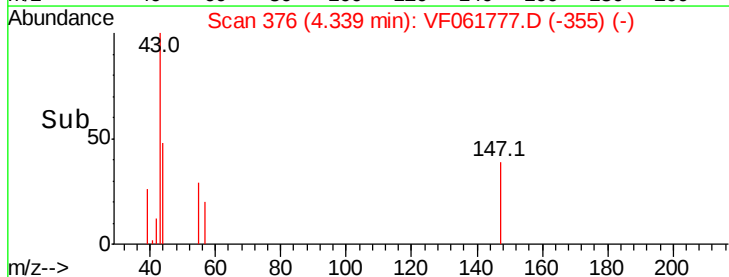
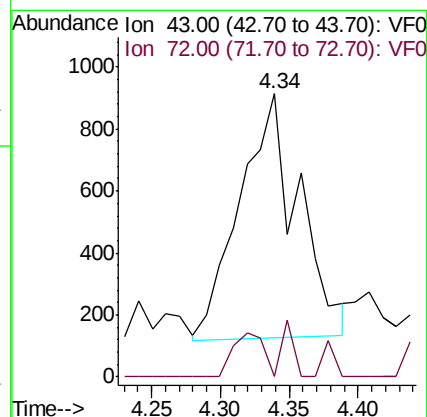
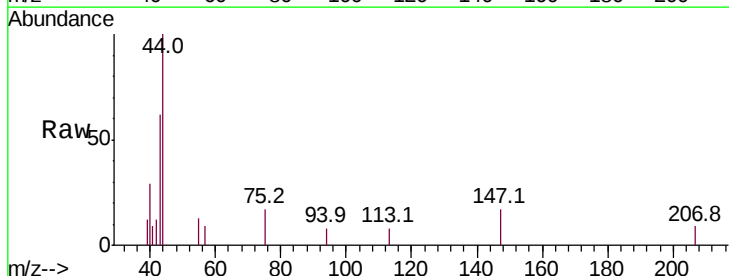
Instrument :
MSVOA_F
ClientSampleId :

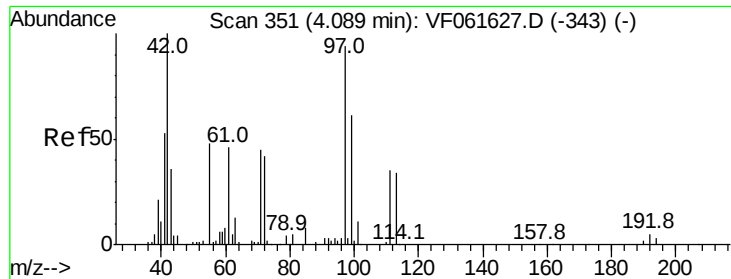
Tot Ion: 43 Resp: 8161
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#25
2-Butanone
Concen: 2.739 ug/l
RT: 4.34 min Scan# 376
Delta R.T. 0.00 min
Lab File: VF061777.D
Acq: 27 Feb 2019 20:24

Tgt Ion: 43 Resp: 2336
Ion Ratio Lower Upper
43 100
72 0.0 17.1 25.7#

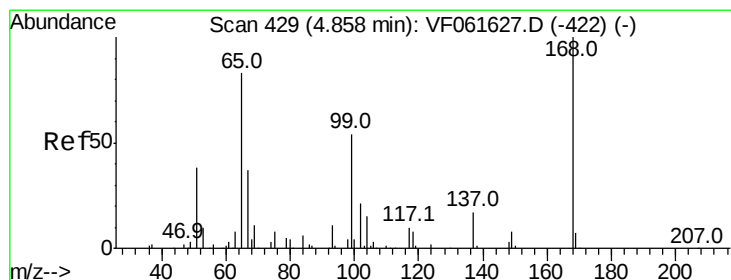
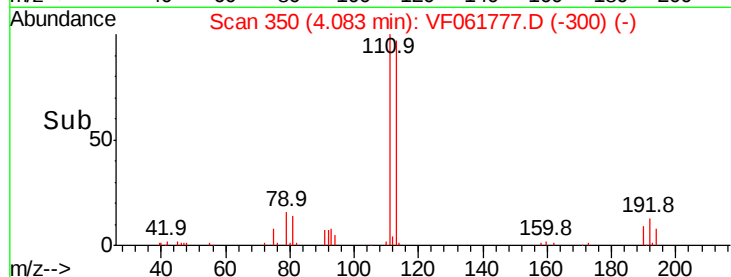
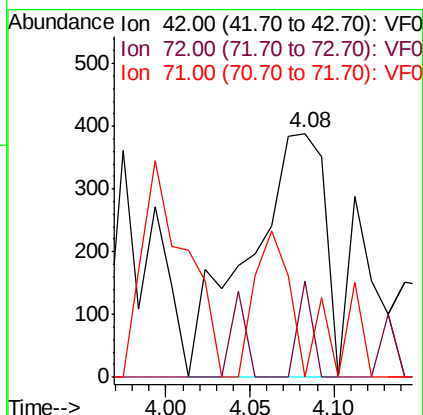
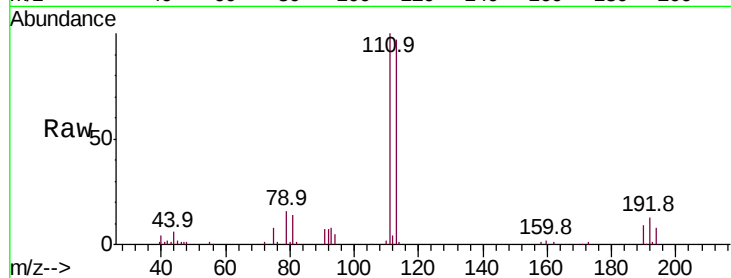




#29
Tetrahydrofuran
Concen: 3.132 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061777.D
Acq: 27 Feb 2019 20:24

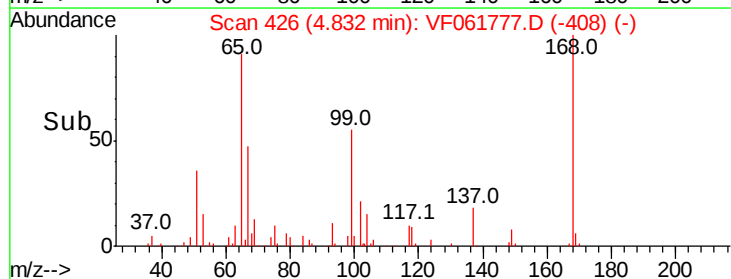
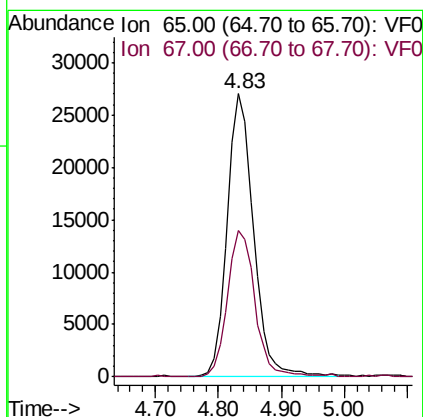
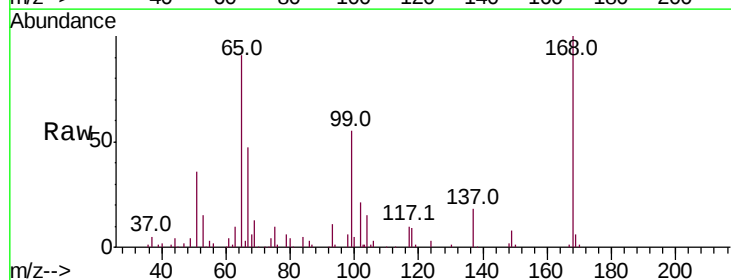
Instrument :
MSVOA_F
ClientSampled :

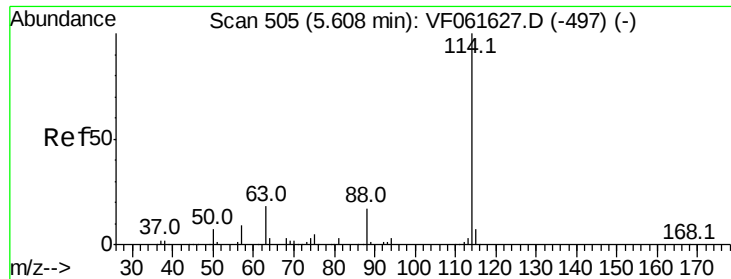
Tot Ion: 42 Resp: 1214
Ion Ratio Lower Upper
42 100
72 7.5 35.2 52.8#
71 0.0 32.9 49.3#



#33
1,2-Dichloroethane-d4
Concen: 42.939 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.03 min
Lab File: VF061777.D
Acq: 27 Feb 2019 20:24

Tgt Ion: 65 Resp: 78145
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

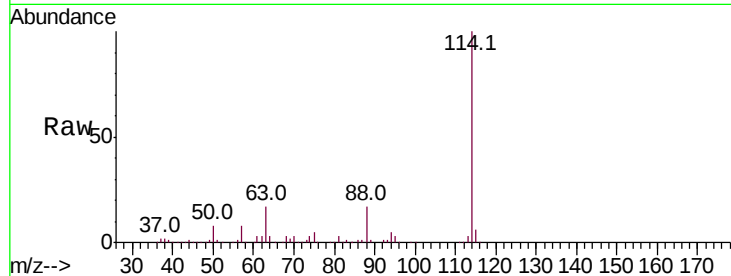
Delta R.T. -0.03 min

Lab File: VF061777.D

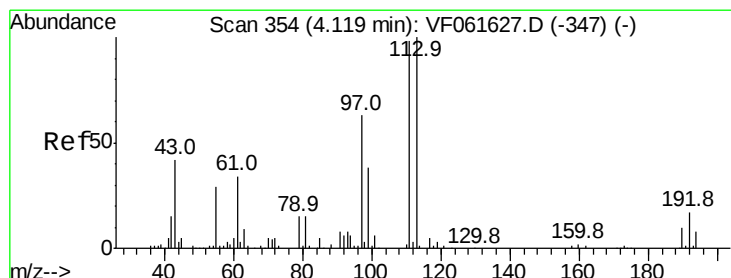
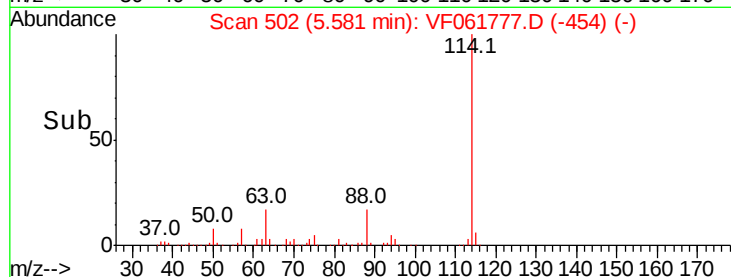
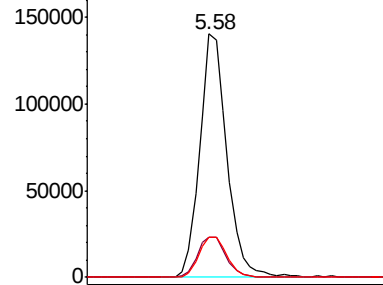
Acq: 27 Feb 2019 20:24

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	114	Resp:	383041
Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	36.6
88	16.6	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: 43.154 ug/l

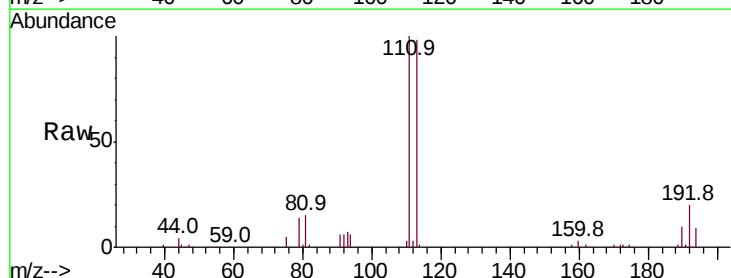
RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

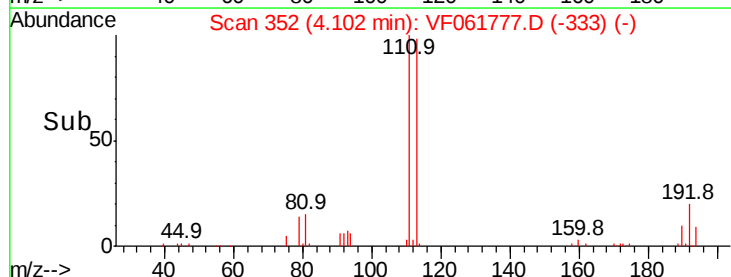
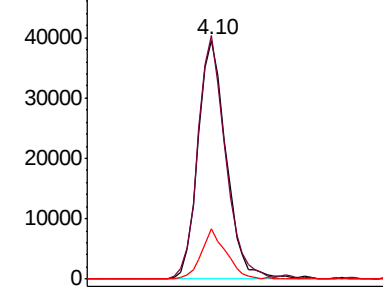
Lab File: VF061777.D

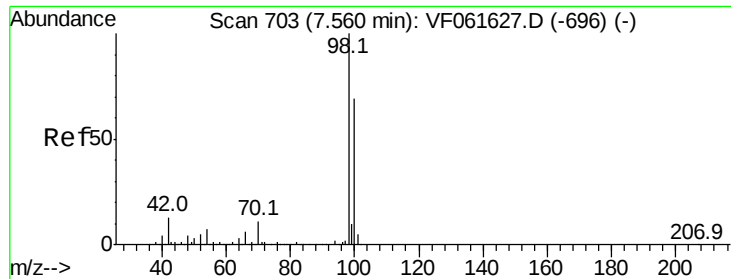
Acq: 27 Feb 2019 20:24

Tgt Ion:	113	Resp:	122751
Ion	Ratio	Lower	Upper
113	100		
111	102.0	78.8	118.2
192	21.3	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: 30.490 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061777.D

Acq: 27 Feb 2019 20:24

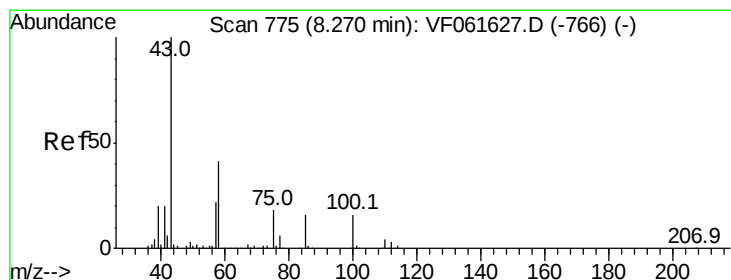
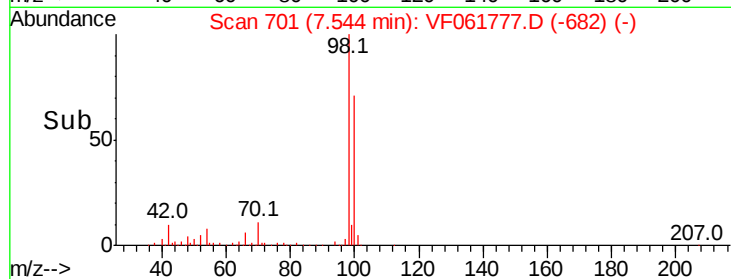
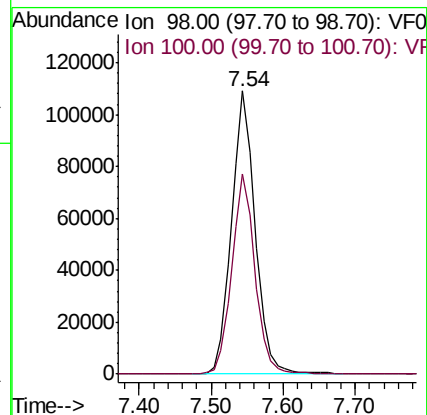
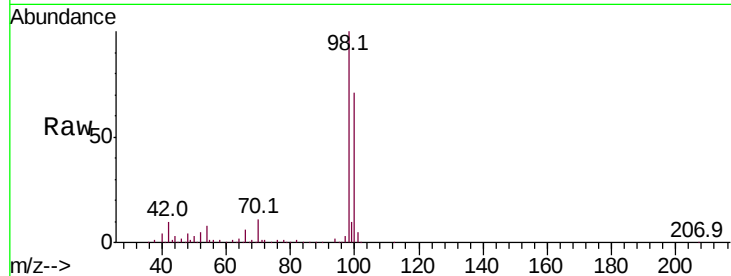
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 98 Resp: 249321

Ion Ratio Lower Upper

98 100

100 70.8 55.4 83.2



#51

4-Methyl-2-Pentanone

Concen: 1.601 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061777.D

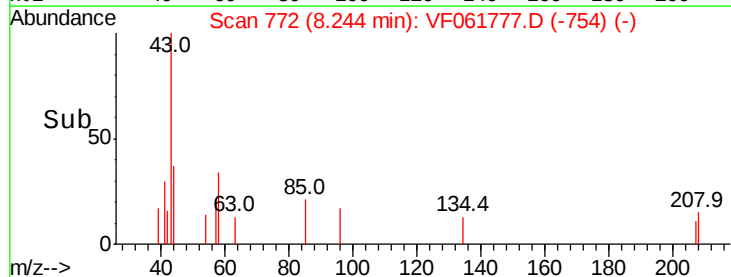
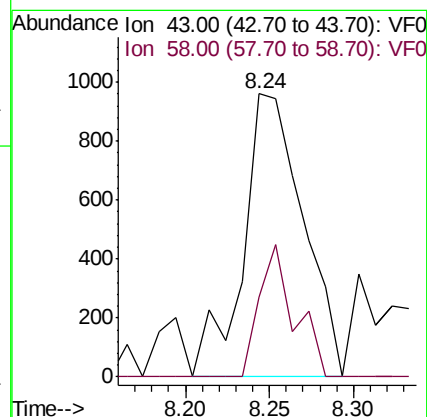
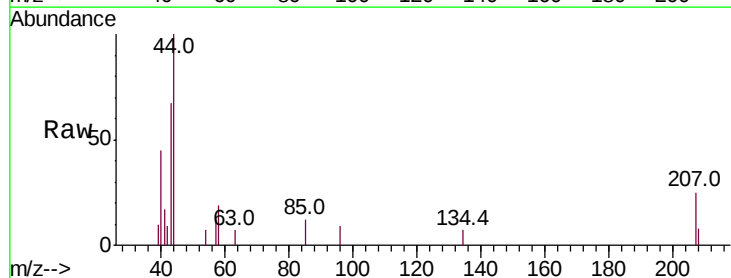
Acq: 27 Feb 2019 20:24

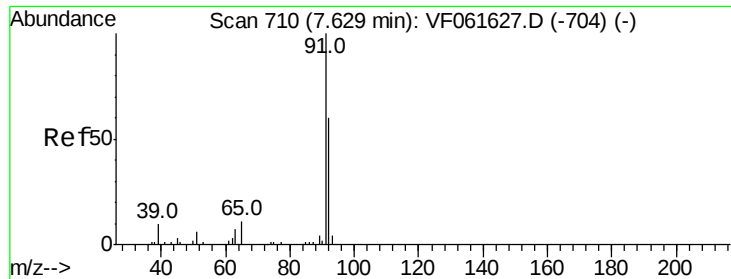
Tgt Ion: 43 Resp: 2387

Ion Ratio Lower Upper

43 100

58 28.1 33.1 49.7#





#52

Toluene

Concen: 2.939 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061777.D

Acq: 27 Feb 2019 20:24

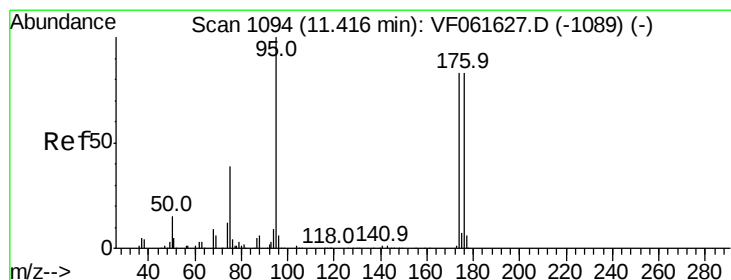
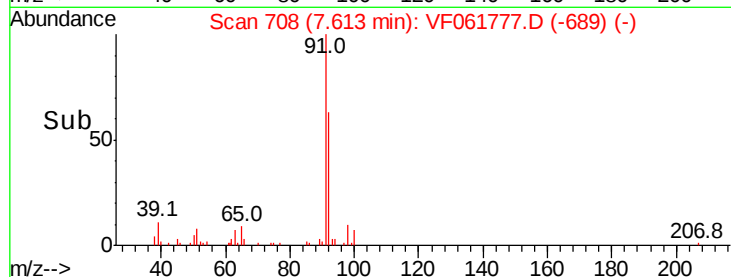
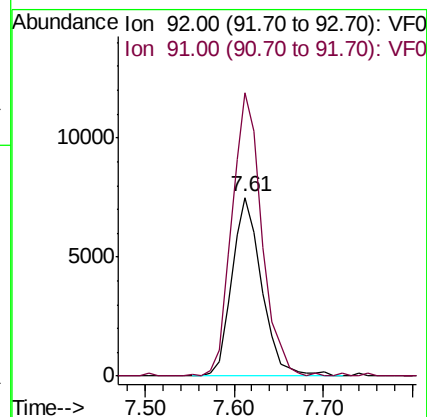
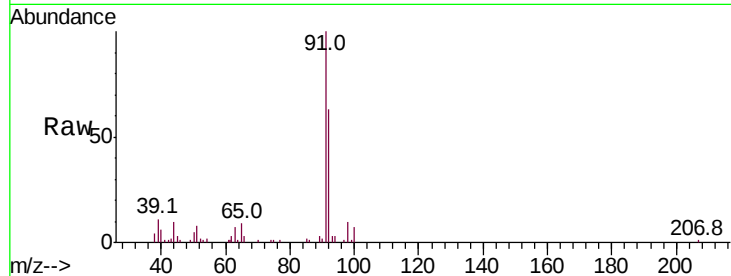
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 92 Resp: 17693

Ion Ratio Lower Upper

92 100

91 158.5 133.9 200.9



#62

4-Bromofluorobenzene

Concen: 35.005 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061777.D

Acq: 27 Feb 2019 20:24

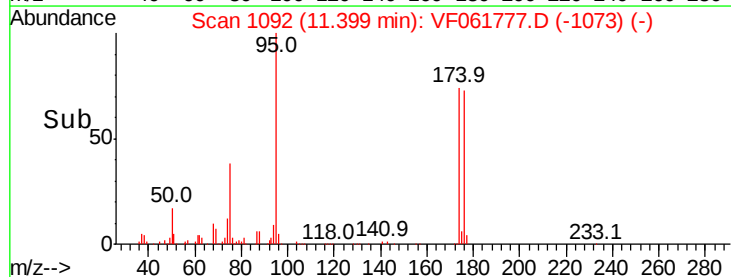
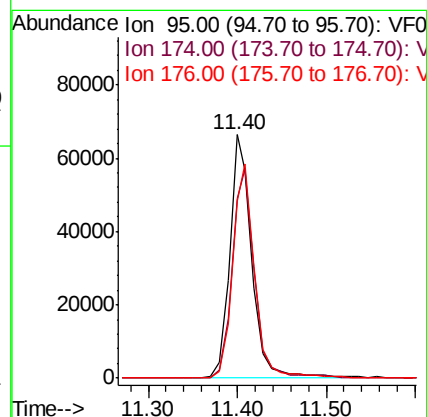
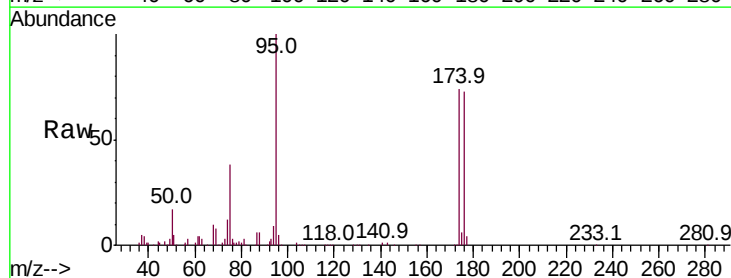
Tgt Ion: 95 Resp: 115818

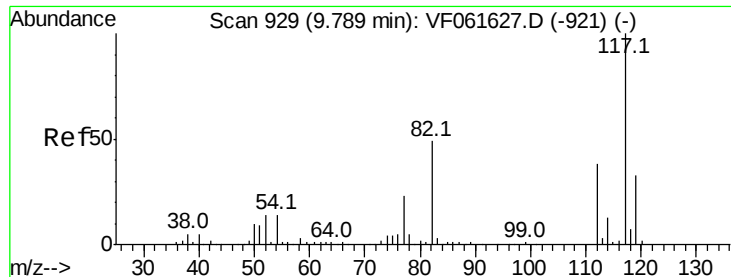
Ion Ratio Lower Upper

95 100

174 73.8 0.0 165.8

176 72.6 0.0 167.0

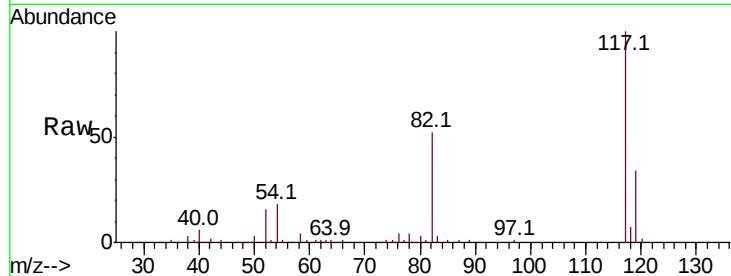




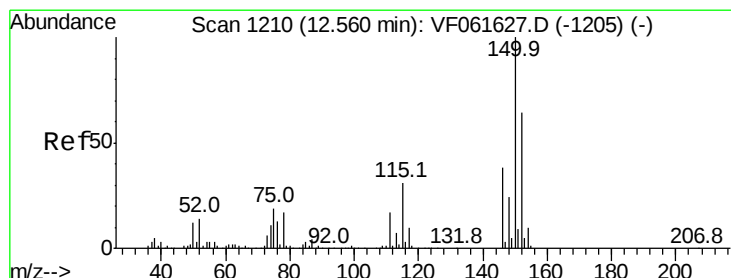
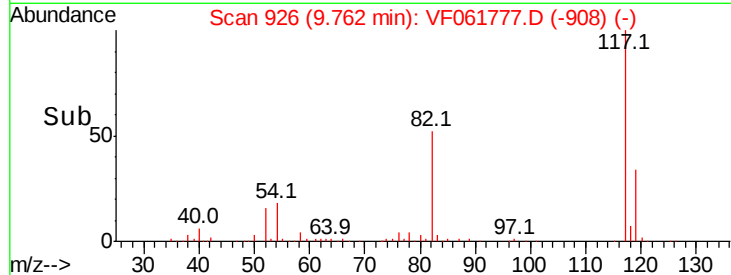
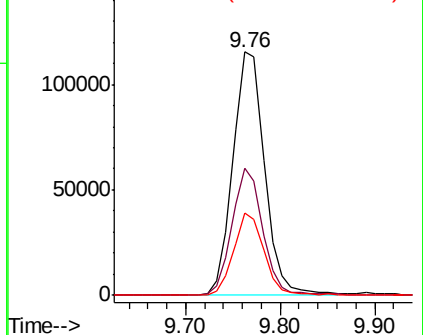
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061777.D
Acq: 27 Feb 2019 20:24

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 269068
Ion Ratio Lower Upper
117 100
82 52.4 39.3 58.9
119 33.6 26.6 40.0

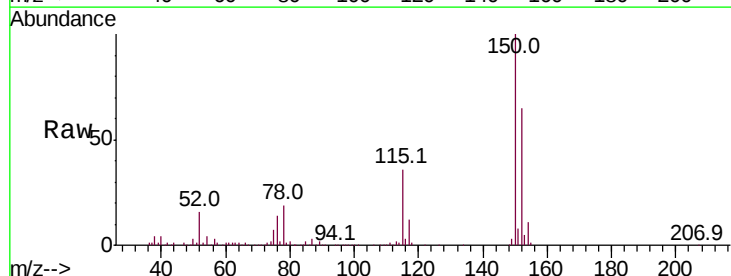


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

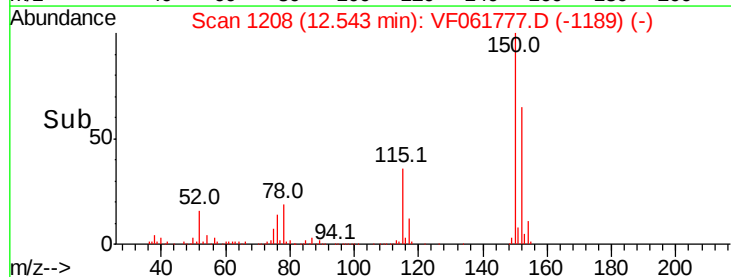
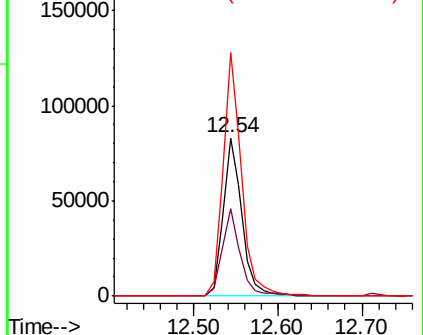


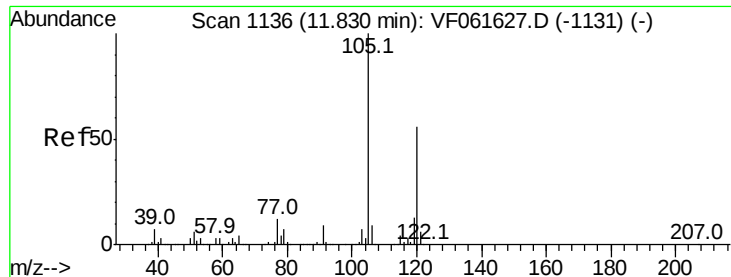
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061777.D
Acq: 27 Feb 2019 20:24

Tgt Ion:152 Resp: 127534
Ion Ratio Lower Upper
152 100
115 55.0 24.3 72.8
150 154.2 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





#80

1,3,5-Trimethylbenzene

Concen: 1.488 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061777.D

Acq: 27 Feb 2019 20:24

Instrument :

MSVOA_F

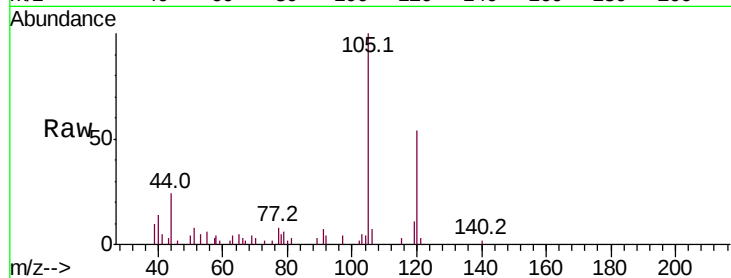
ClientSampleId :

Tot Ion:105 Resp: 10797

Ion Ratio Lower Upper

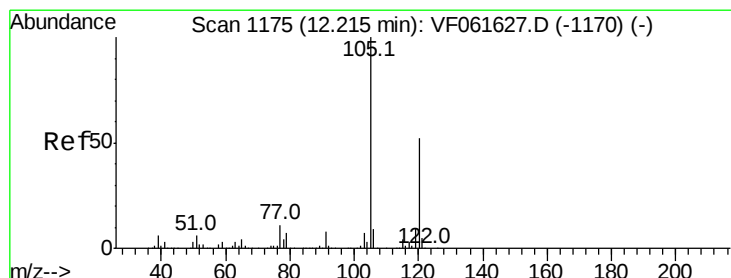
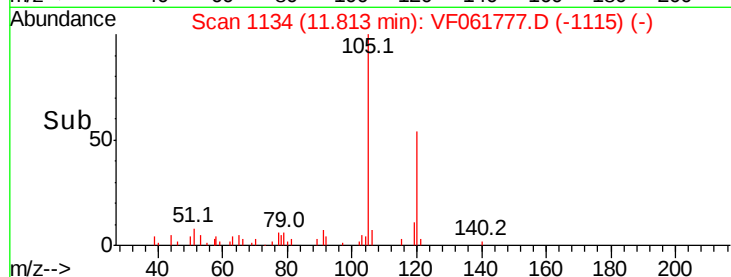
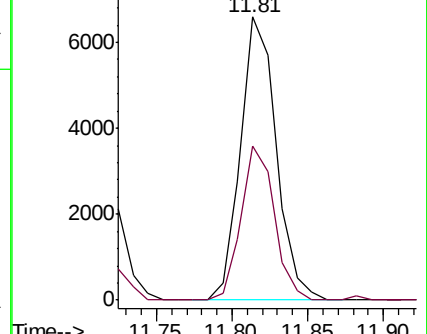
105 100

120 54.5 27.9 83.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.638 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.02 min

Lab File: VF061777.D

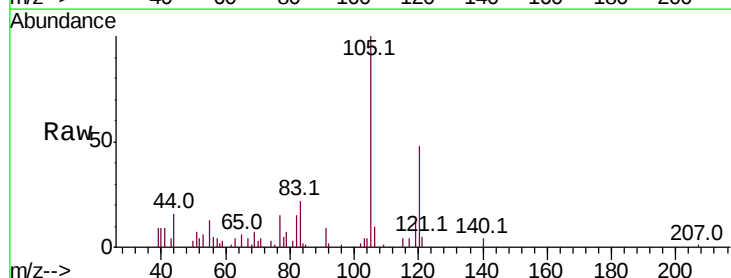
Acq: 27 Feb 2019 20:24

Tgt Ion:105 Resp: 11807

Ion Ratio Lower Upper

105 100

120 47.9 26.1 78.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

