

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061770.D
 Acq On : 27 Feb 2019 17:04
 Operator : VA/AP
 Sample : K1645-11
 Misc : 4.69g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 28 01:00:21 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

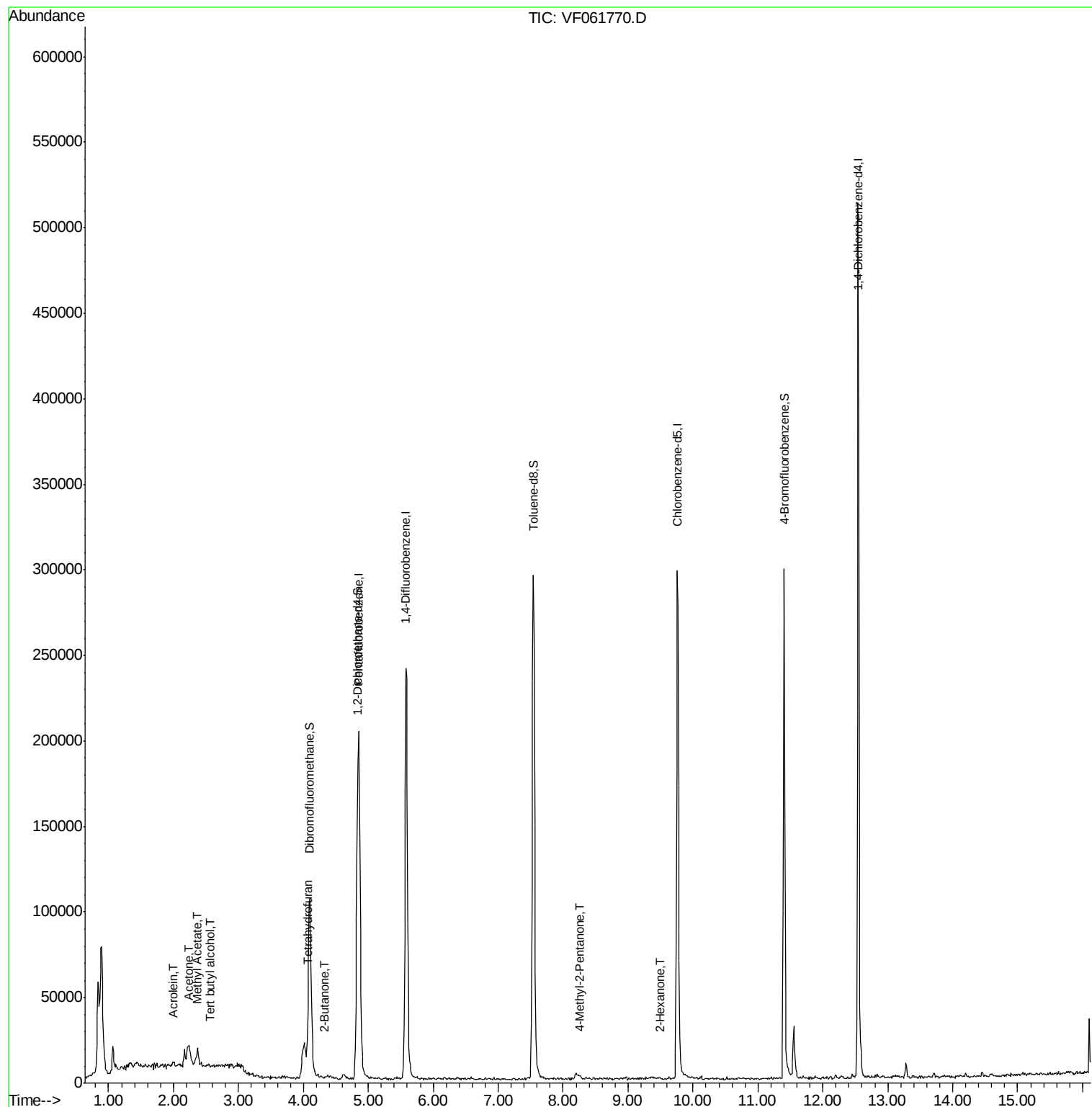
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	188302	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	308979	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	245546	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	148247	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	71253	51.60	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	103.20%	
35) Dibromofluoromethane	4.10	113	102222	44.55	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.10%	
50) Toluene-d8	7.54	98	272677	41.34	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	82.68%	
62) 4-Bromofluorobenzene	11.41	95	118865	44.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.08%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.56	59	119	1.489	ug/l #	63
13) Acrolein	1.98	56	648	6.452	ug/l #	77
16) Acetone	2.23	43	12708	42.894	ug/l #	86
18) Methyl Acetate	2.36	43	4933	7.391	ug/l #	59
25) 2-Butanone	4.32	43	676	1.045	ug/l #	55
29) Tetrahydrofuran	4.06	42	1327	4.512	ug/l #	38
51) 4-Methyl-2-Pentanone	8.26	43	1293	1.075	ug/l #	74
59) 2-Hexanone	9.49	43	851	1.010	ug/l	86

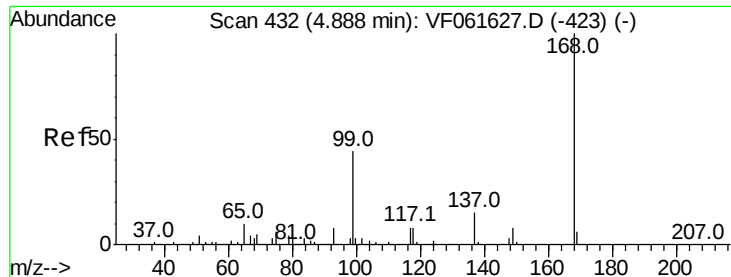
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061770.D

Acq: 27 Feb 2019 17:04

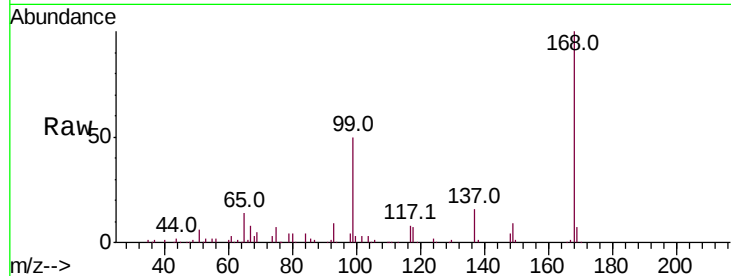
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 188302

Ion Ratio Lower Upper

168 100

99 50.2 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

60000

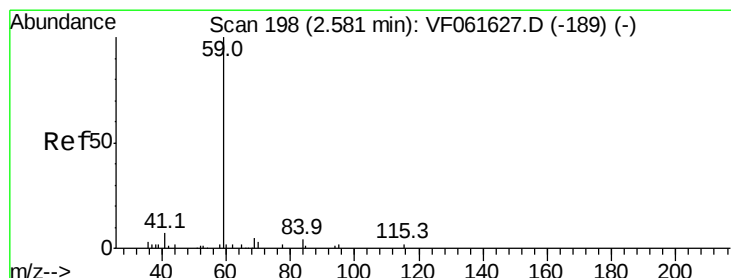
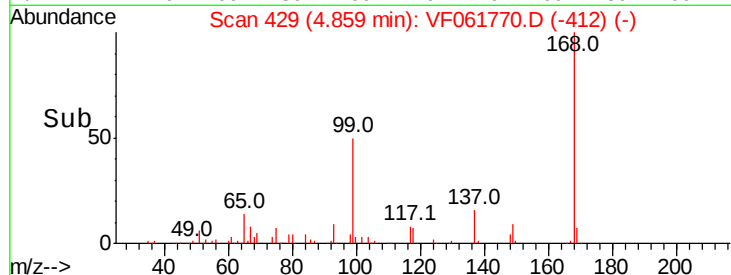
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 1.489 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061770.D

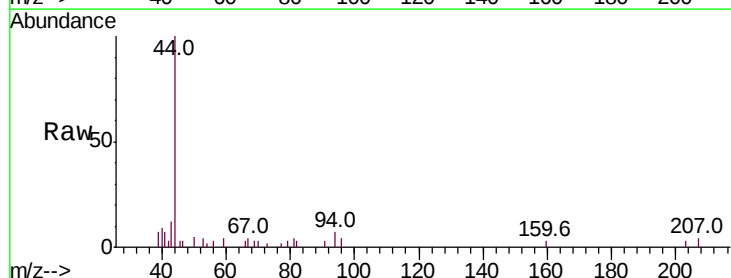
Acq: 27 Feb 2019 17:04

Tgt Ion: 59 Resp: 119

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

2.56

200

150

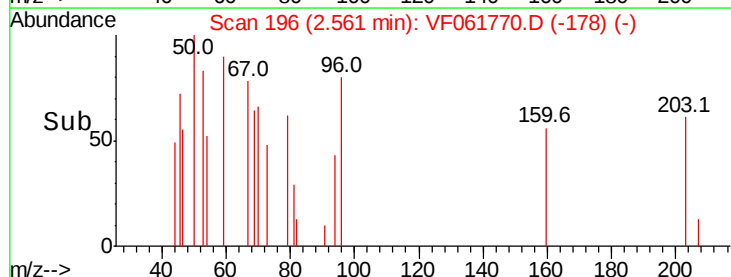
100

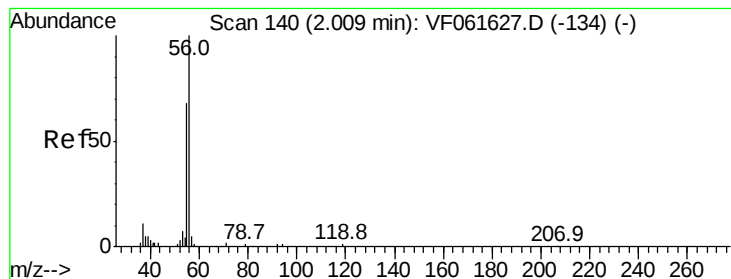
50

0

Time-->

2.55 2.56 2.57





#13

Acrolein

Concen: 6.452 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF061770.D

Acq: 27 Feb 2019 17:04

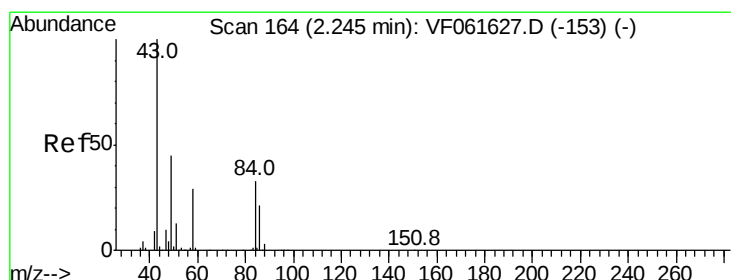
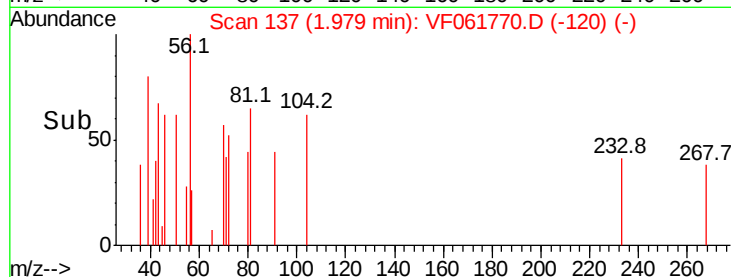
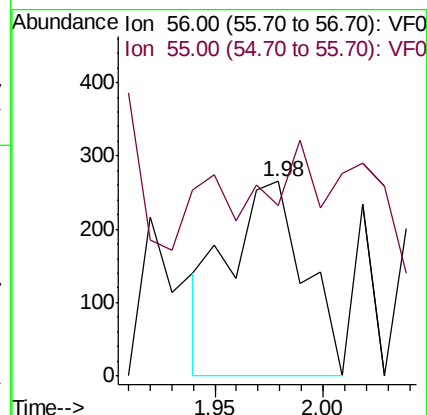
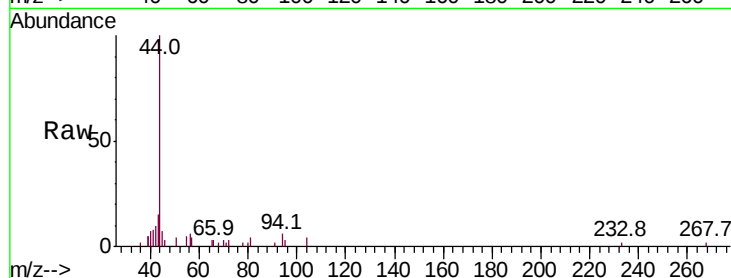
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 648

Ion Ratio Lower Upper

56 100

55 87.5 55.0 82.6#



#16

Acetone

Concen: 42.894 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061770.D

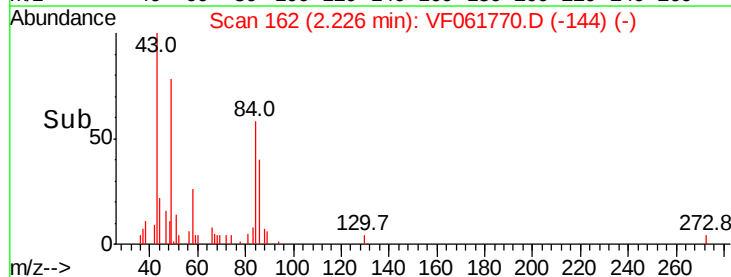
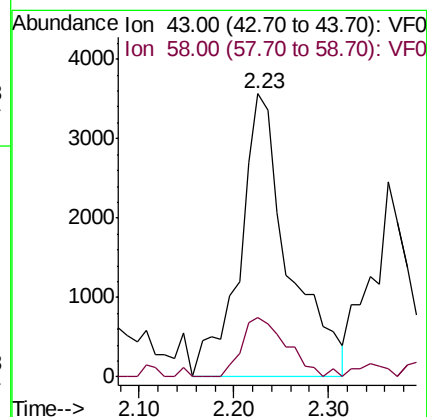
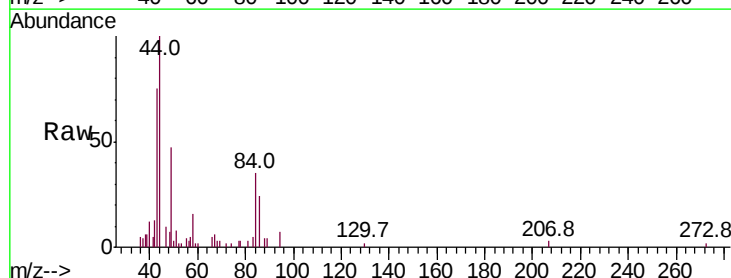
Acq: 27 Feb 2019 17:04

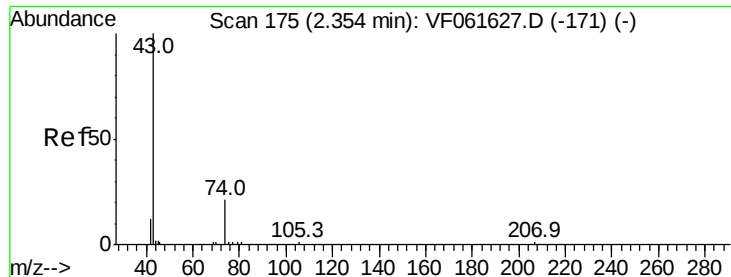
Tgt Ion: 43 Resp: 12708

Ion Ratio Lower Upper

43 100

58 21.0 22.9 34.3#

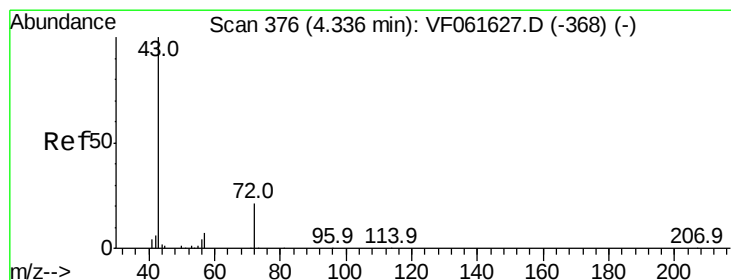
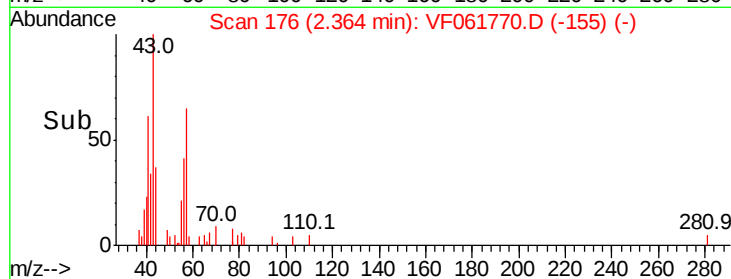
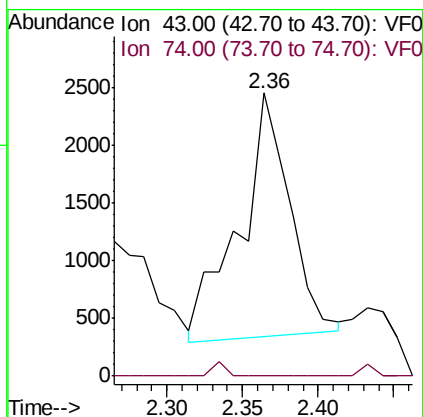
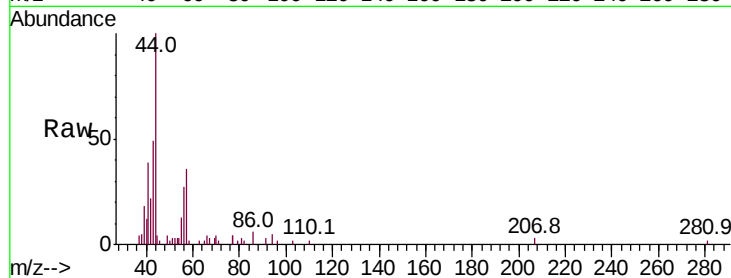




#18
Methyl Acetate
Concen: 7.391 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF061770.D
Acq: 27 Feb 2019 17:04

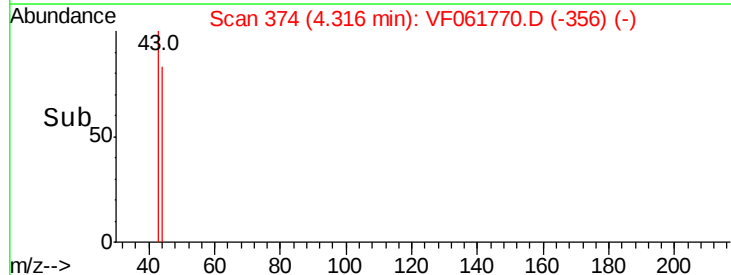
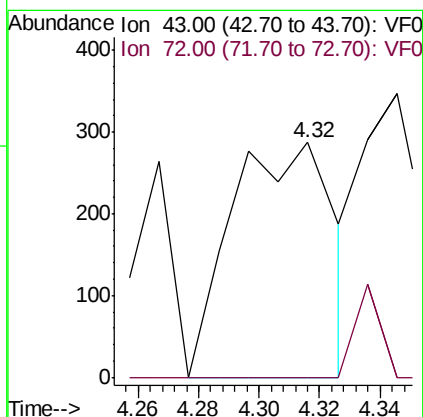
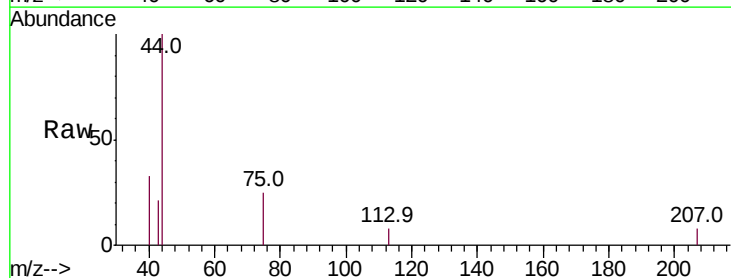
Instrument :
MSVOA_F
ClientSampleId :

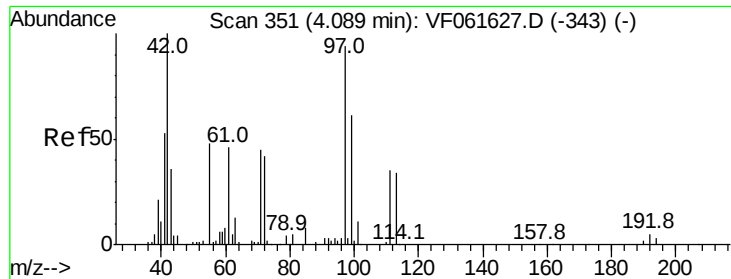
Tot Ion: 43 Resp: 4933
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#25
2-Butanone
Concen: 1.045 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.02 min
Lab File: VF061770.D
Acq: 27 Feb 2019 17:04

Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
72 0.0 17.1 25.7#

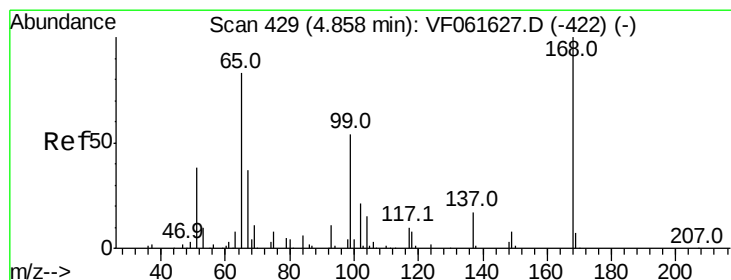
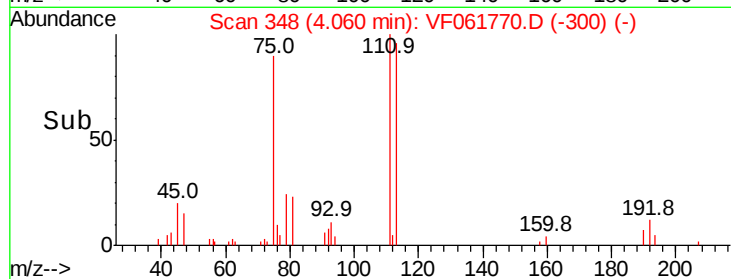
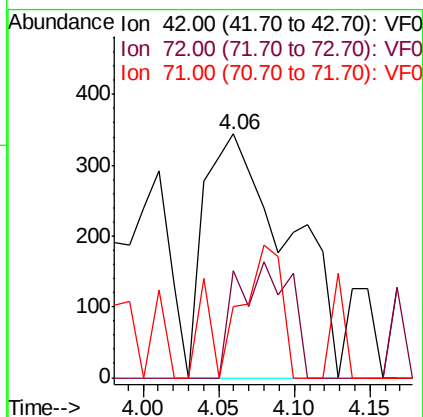
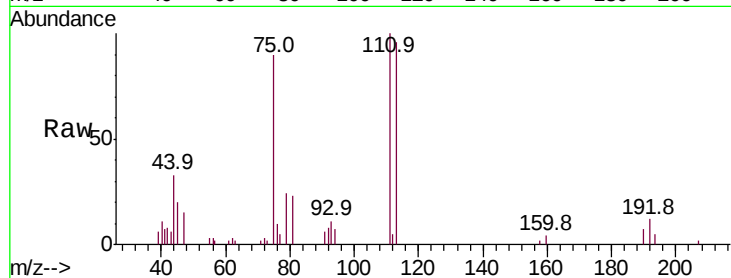




#29
Tetrahydrofuran
Concen: 4.512 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.03 min
Lab File: VF061770.D
Acq: 27 Feb 2019 17:04

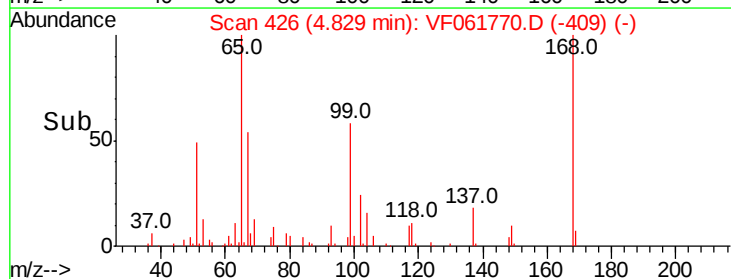
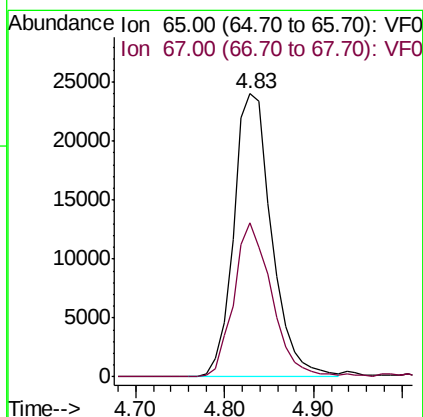
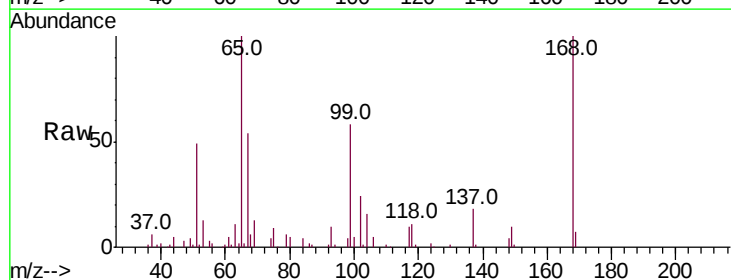
Instrument :
MSVOA_F
ClientSampleId :

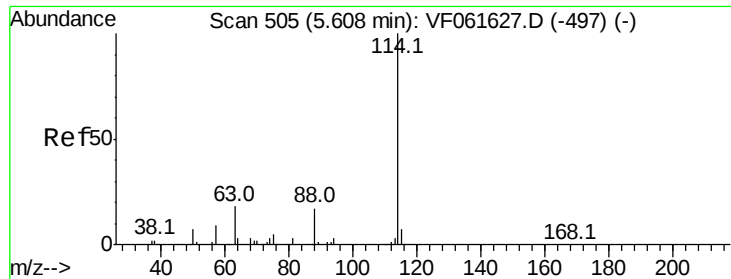
Tot Ion: 42 Resp: 1327
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 6.3 32.9 49.3#



#33
1,2-Dichloroethane-d4
Concen: 51.601 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.03 min
Lab File: VF061770.D
Acq: 27 Feb 2019 17:04

Tgt Ion: 65 Resp: 71253
Ion Ratio Lower Upper
65 100
67 54.4 0.0 104.0

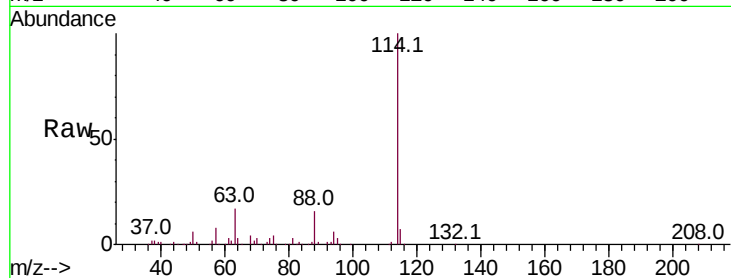




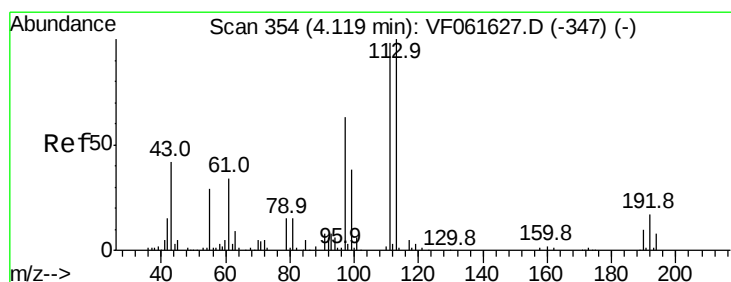
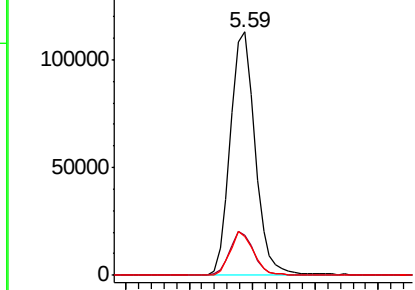
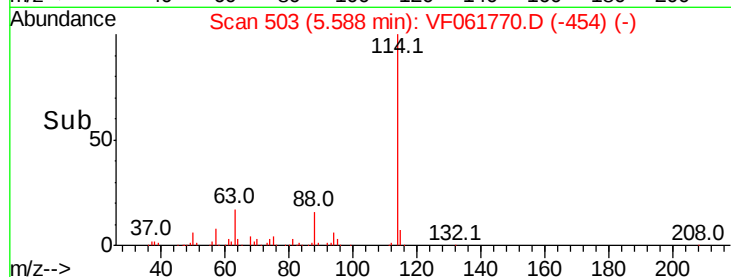
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061770.D
 Acq: 27 Feb 2019 17:04

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	36.6
88	15.8	0.0	34.4

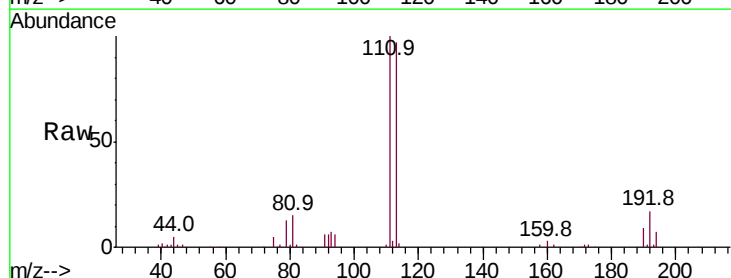


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

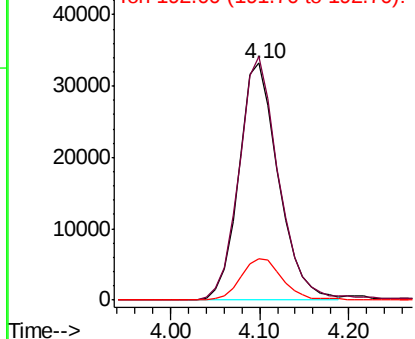
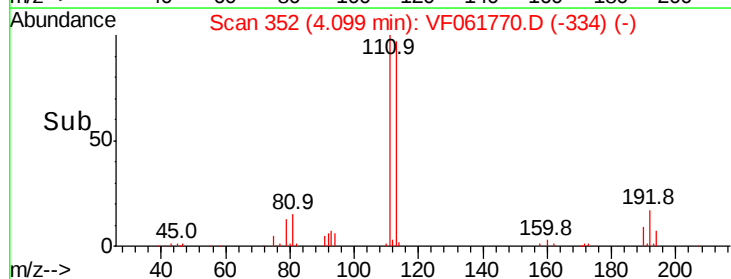


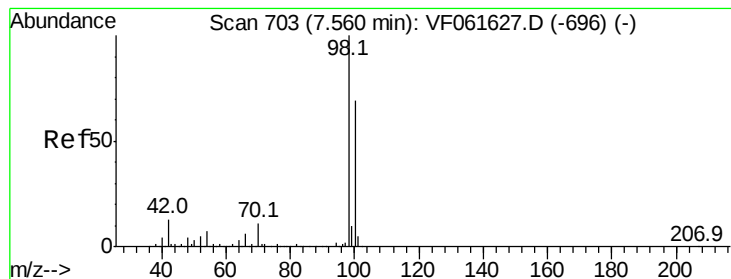
#35
 Dibromofluoromethane
 Concen: 44.551 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VF061770.D
 Acq: 27 Feb 2019 17:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	78.8	118.2
192	17.7	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: 41.340 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061770.D

Acq: 27 Feb 2019 17:04

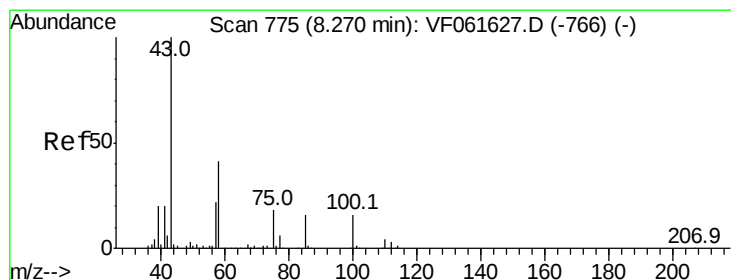
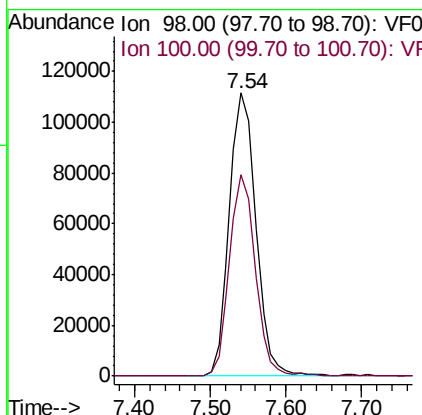
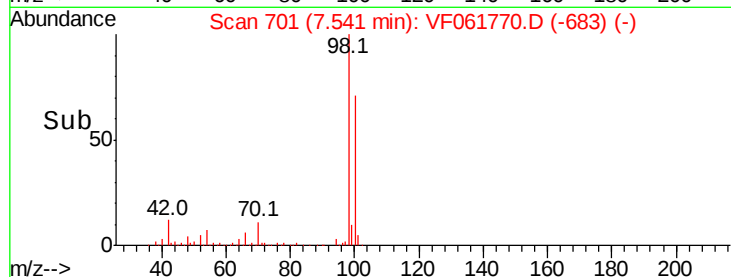
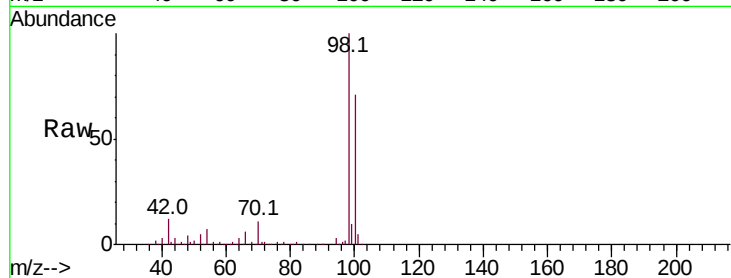
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 272677

Ion Ratio Lower Upper

98 100

100 71.4 55.4 83.2



#51

4-Methyl-2-Pentanone

Concen: 1.075 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061770.D

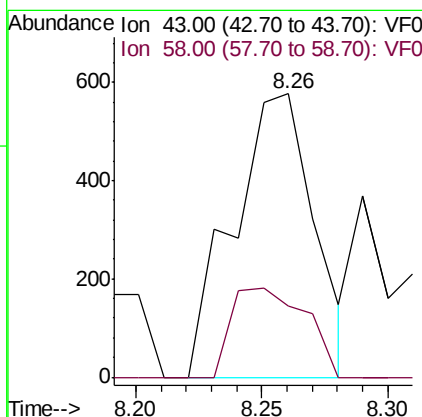
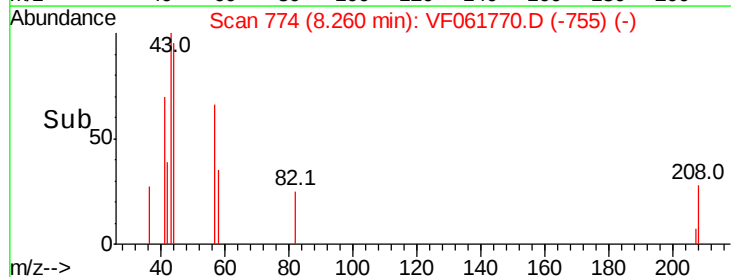
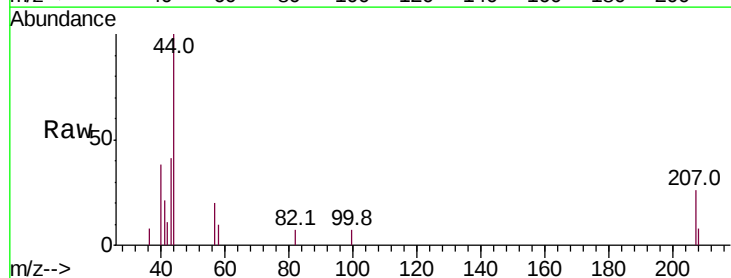
Acq: 27 Feb 2019 17:04

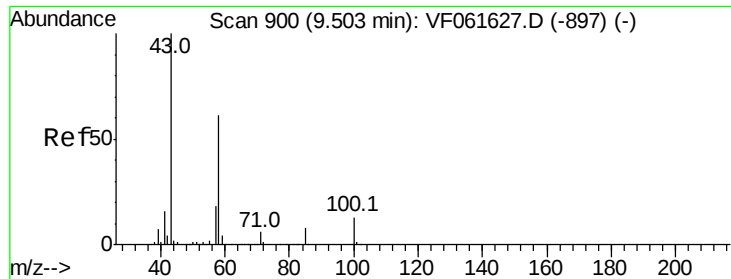
Tgt Ion: 43 Resp: 1293

Ion Ratio Lower Upper

43 100

58 25.1 33.1 49.7#

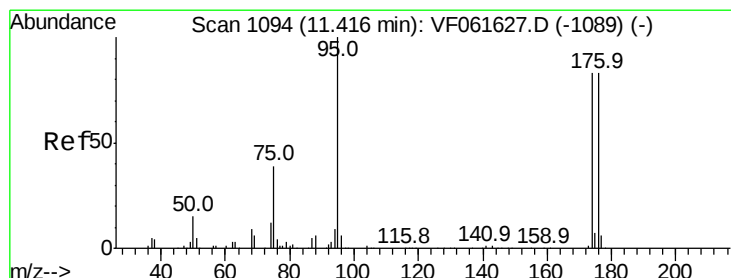
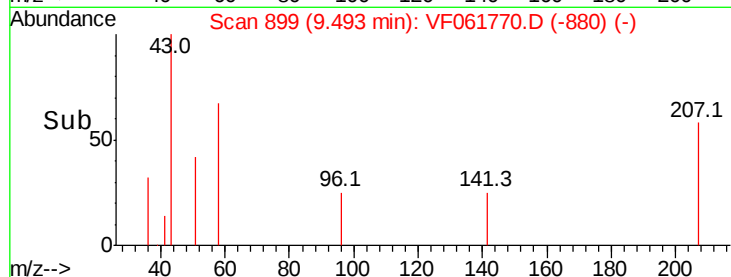
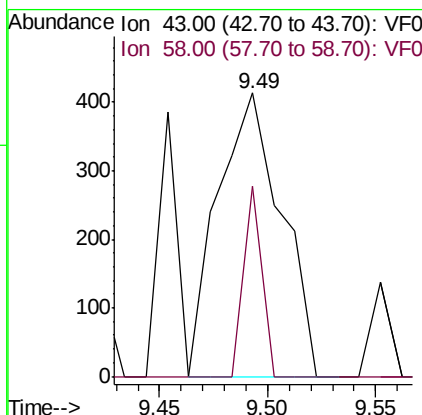
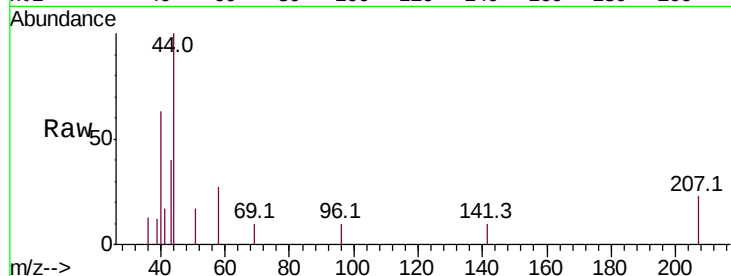




#59
2-Hexanone
Concen: 1.010 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF061770.D
Acq: 27 Feb 2019 17:04

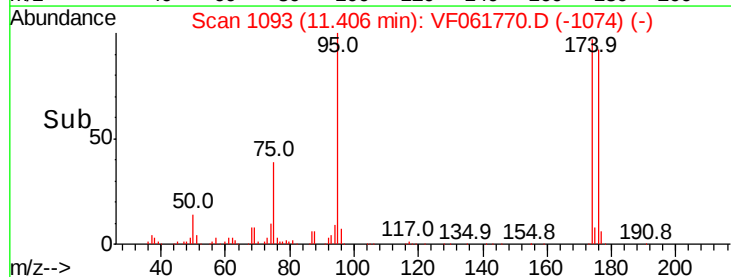
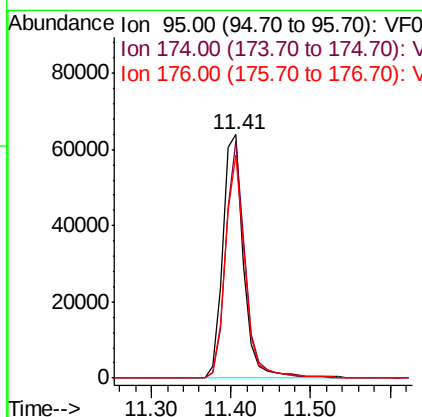
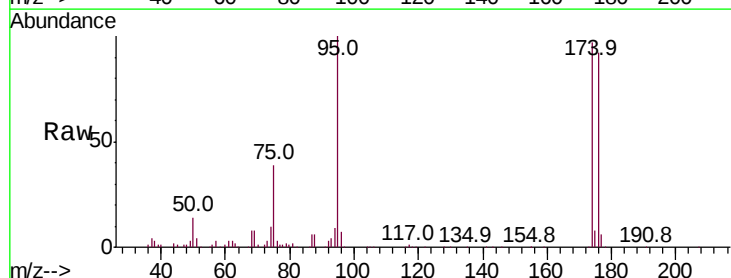
Instrument :
MSVOA_F
ClientSampled :

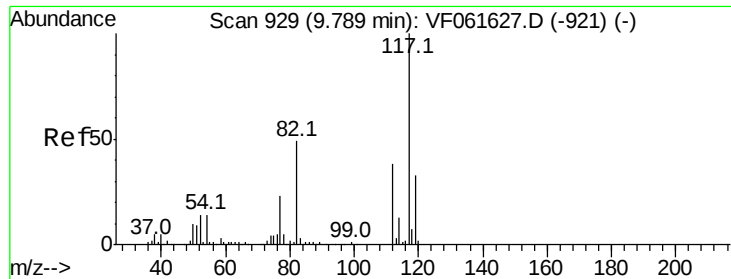
Tot Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
58 67.3 28.5 85.5



#62
4-Bromofluorobenzene
Concen: 44.538 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061770.D
Acq: 27 Feb 2019 17:04

Tgt Ion: 95 Resp: 118865
Ion Ratio Lower Upper
95 100
174 97.2 0.0 165.8
176 91.7 0.0 167.0

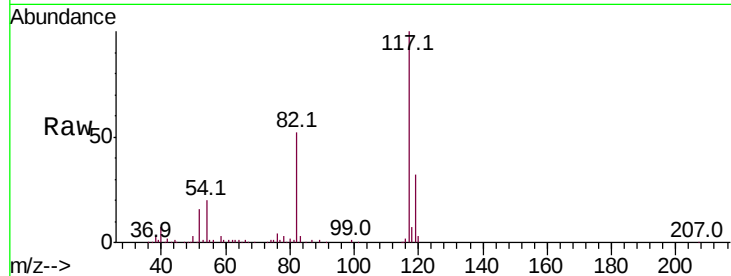




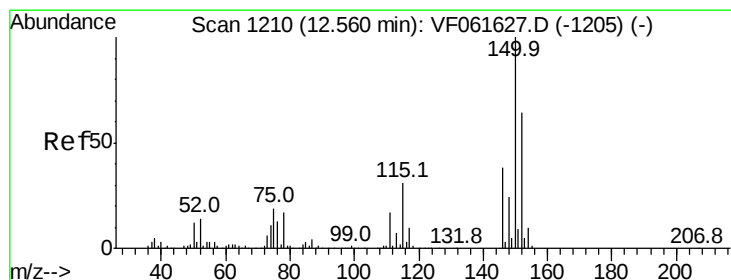
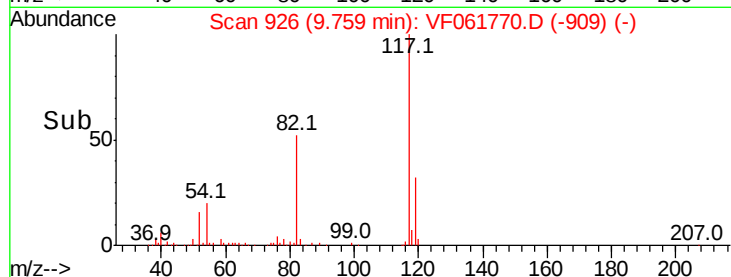
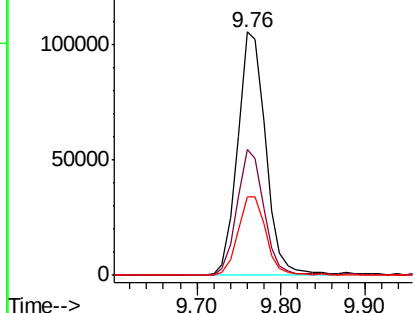
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061770.D
Acq: 27 Feb 2019 17:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 245546
Ion Ratio Lower Upper
117 100
82 51.7 39.3 58.9
119 32.0 26.6 40.0

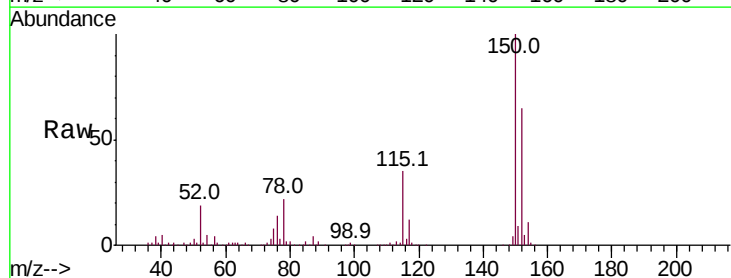


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061770.D
Acq: 27 Feb 2019 17:04

Tgt Ion:152 Resp: 148247
Ion Ratio Lower Upper
152 100
115 53.4 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

