

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121918\
 Data File : VF061086.D
 Acq On : 19 Dec 2018 15:45
 Operator : VA/AP
 Sample : J6388-07
 Misc : 5.09g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 20 02:23:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	208246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	372072	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	297220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	117813	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	99412	37.12	ug/l	0.00
Spiked Amount			Recovery	=	74.24%	
35) Dibromofluoromethane	4.12	113	121298	40.70	ug/l	0.00
Spiked Amount			Recovery	=	81.40%	
50) Toluene-d8	7.56	98	303031	35.88	ug/l	0.00
Spiked Amount			Recovery	=	71.76%	
62) 4-Bromofluorobenzene	11.41	95	118674	30.48	ug/l	0.00
Spiked Amount			Recovery	=	60.96%	

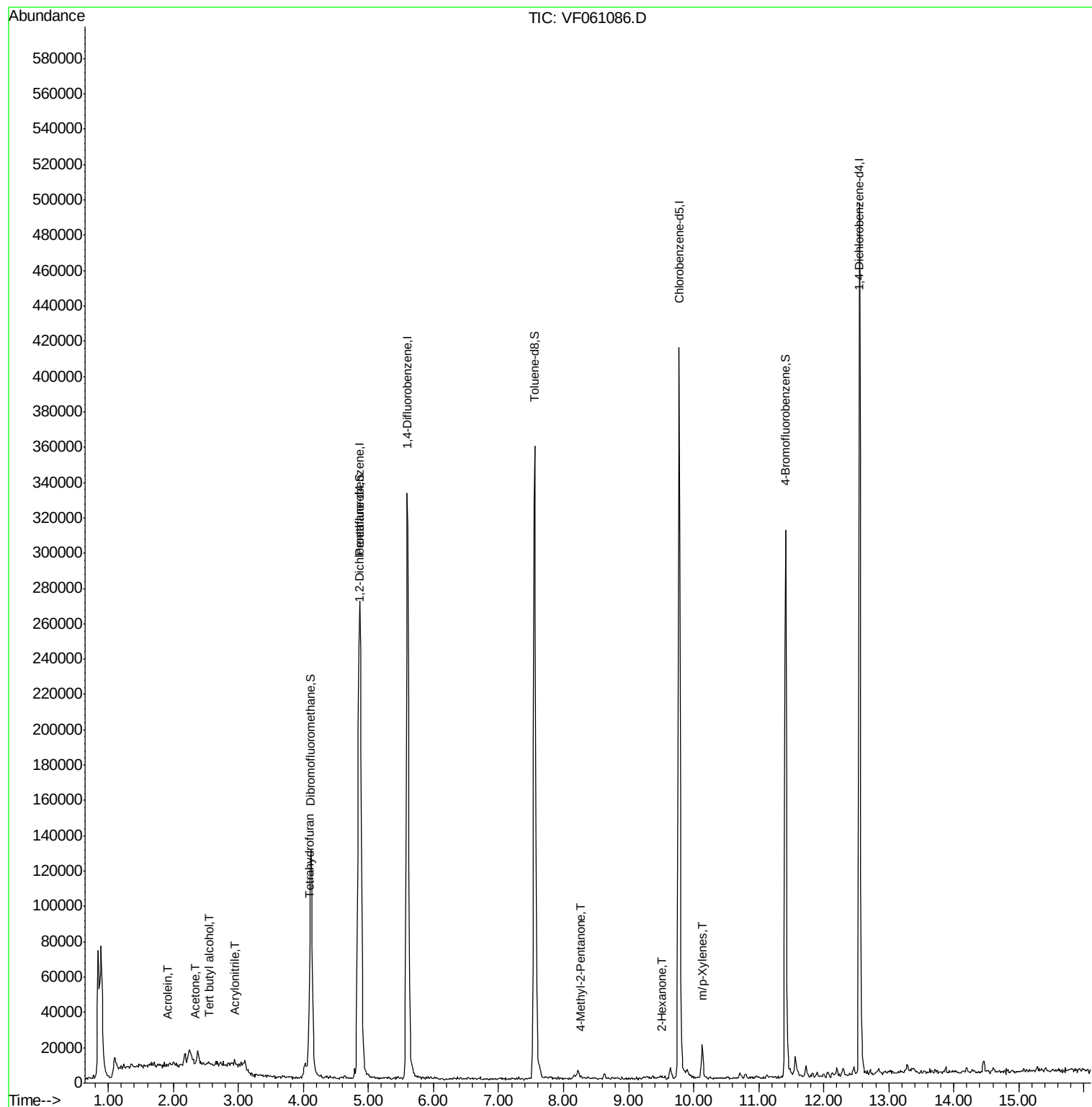
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	136	1.258	ug/l #	1
13) Acrolein	1.91	56	624	7.990	ug/l	85
15) Acrylonitrile	2.95	53	751	3.005	ug/l #	60
16) Acetone	2.33	43	682	1.274	ug/l	94
20) Methylene Chloride	2.26	84	4977	Below Cal	#	77
29) Tetrahydrofuran	4.09	42	592	1.675	ug/l #	45
51) 4-Methyl-2-Pentanone	8.28	43	1635	1.099	ug/l #	65
59) 2-Hexanone	9.52	43	1910	1.776	ug/l	73
68) m/p-Xylenes	10.13	106	6137	1.559	ug/l #	59
70) Styrene	10.79	104	1125	Below Cal	#	85
87) 1,3-Dichlorobenzene	12.48	146	553	Below Cal		93

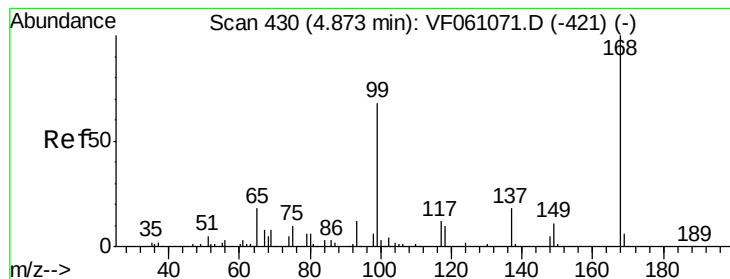
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121918\
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QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061086.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_F

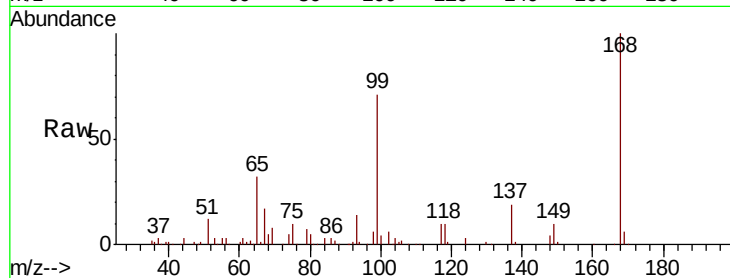
ClientSampleId :

Tot Ion:168 Resp: 208246

Ion Ratio Lower Upper

168 100

99 71.3 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

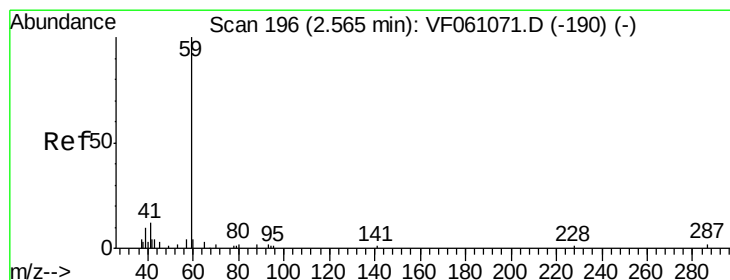
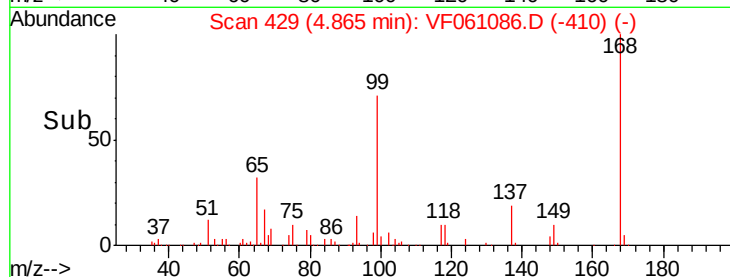
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.258 ug/l

RT: 2.56 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF061086.D

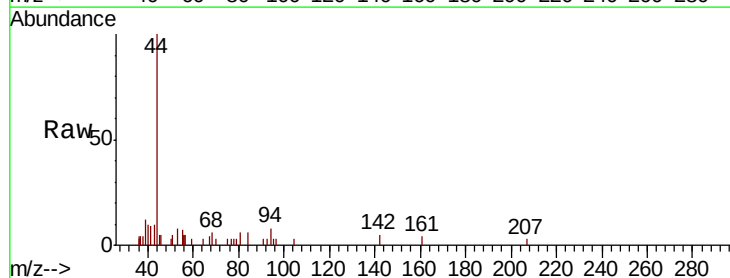
Acq: 19 Dec 2018 15:45

Tgt Ion: 59 Resp: 136

Ion Ratio Lower Upper

59 100

57 170.7 11.5 17.3#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

300

250

200

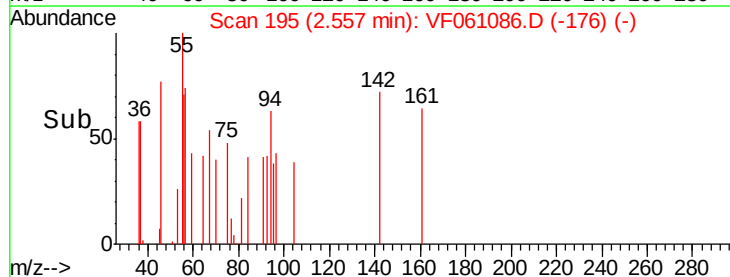
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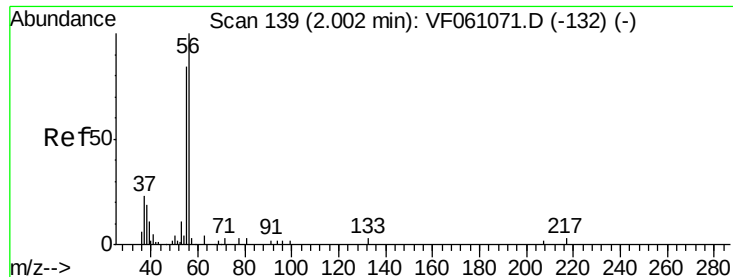
100

50

0

Time-->

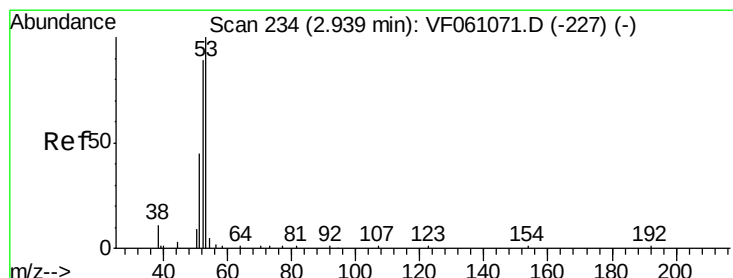
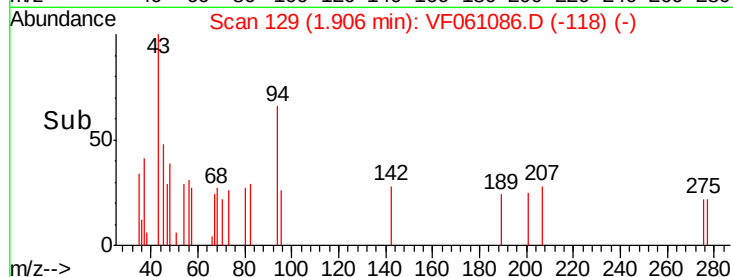
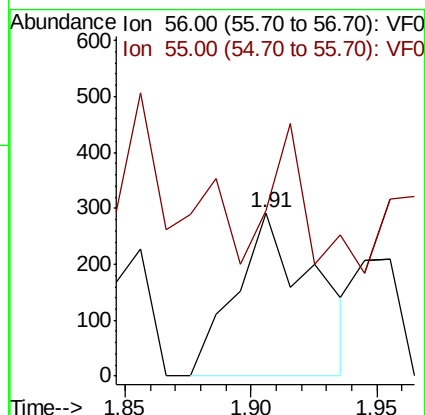
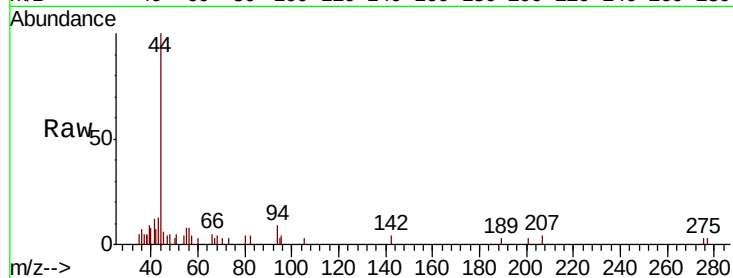




#13
Acrolein
Concen: 7.990 ug/l
RT: 1.91 min Scan# 129
Delta R.T. -0.10 min
Lab File: VF061086.D
Acq: 19 Dec 2018 15:45

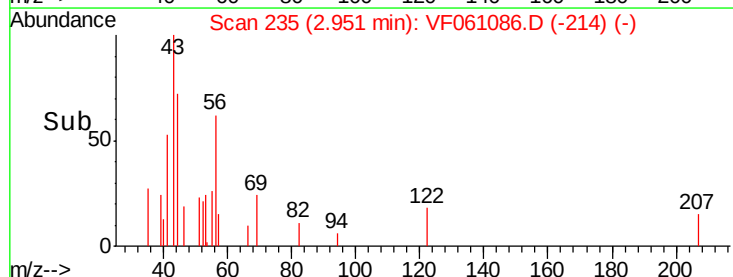
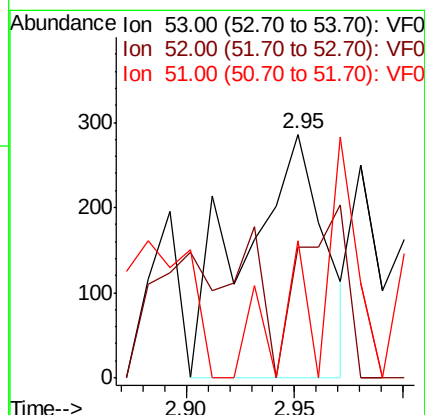
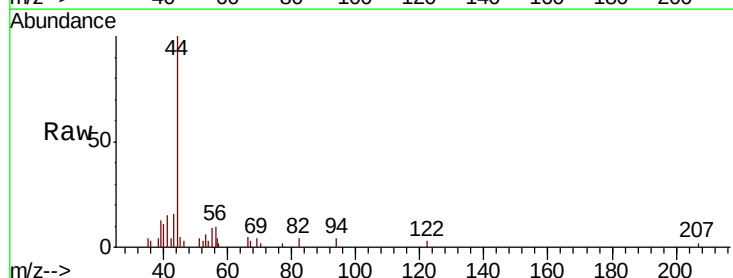
Instrument :
MSVOA_F
ClientSampled :

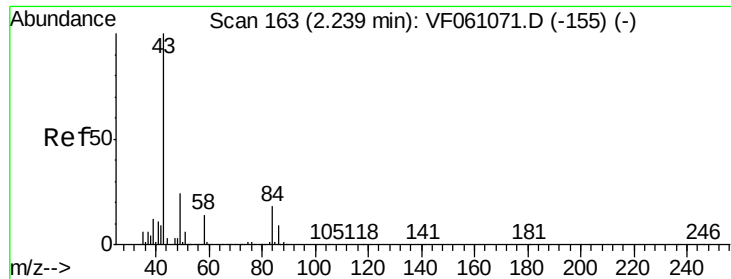
Tot Ion: 56 Resp: 624
Ion Ratio Lower Upper
56 100
55 101.7 70.2 105.2



#15
Acrylonitrile
Concen: 3.005 ug/l
RT: 2.95 min Scan# 235
Delta R.T. 0.01 min
Lab File: VF061086.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 53 Resp: 751
Ion Ratio Lower Upper
53 100
52 37.5 71.3 106.9#
51 39.5 36.8 55.2

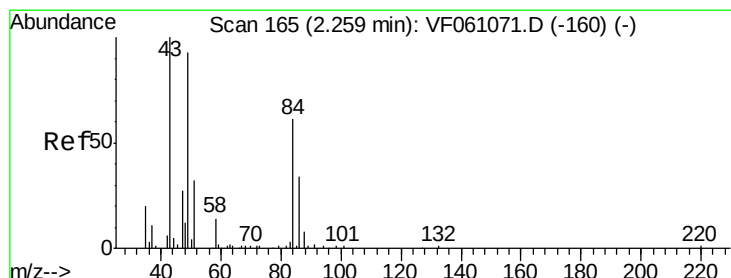
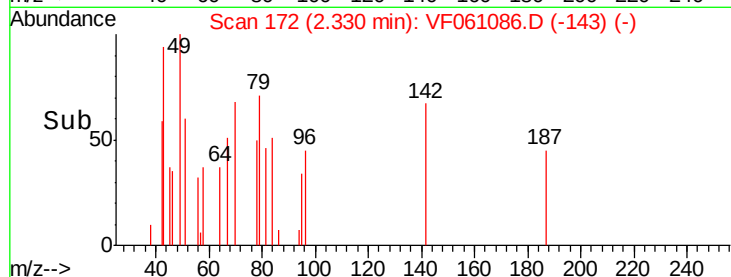
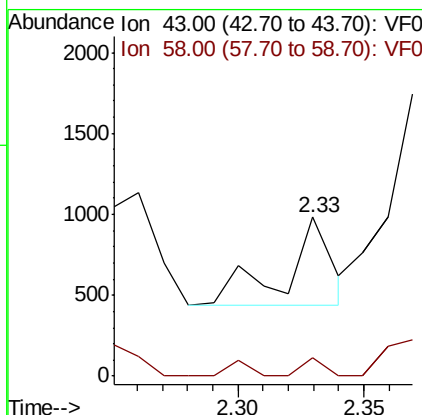
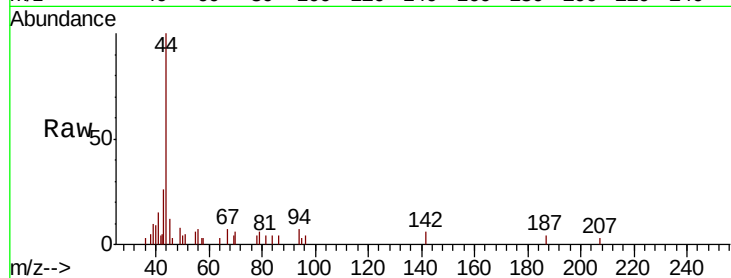




#16
Acetone
Concen: 1.274 ug/l
RT: 2.33 min Scan# 172
Delta R.T. 0.09 min
Lab File: VF061086.D
Acq: 19 Dec 2018 15:45

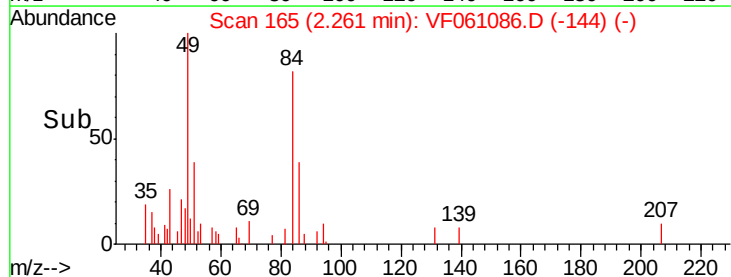
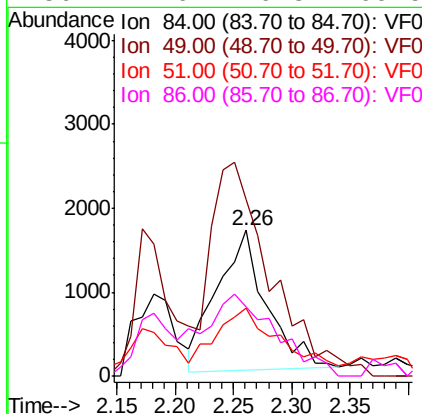
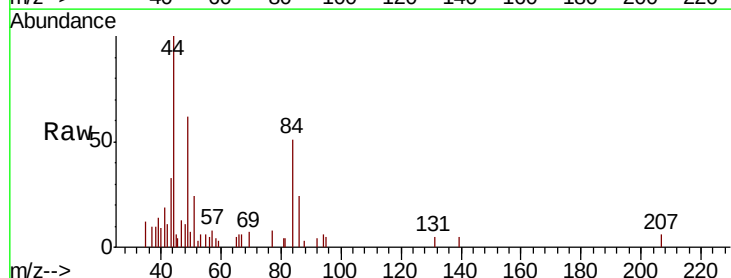
Instrument :
MSVOA_F
ClientSampleId :

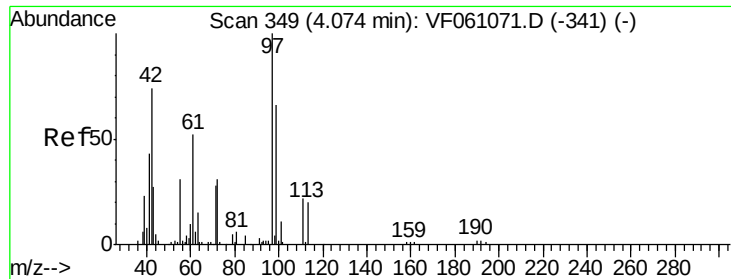
Tot Ion: 43 Resp: 682
Ion Ratio Lower Upper
43 100
58 11.6 11.1 16.7



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF061086.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 84 Resp: 4977
Ion Ratio Lower Upper
84 100
49 121.4 129.4 194.2#
51 46.8 44.0 66.0
86 47.6 46.3 69.5





#29

Tetrahydrofuran

Concen: 1.675 ug/l

RT: 4.09 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061086.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

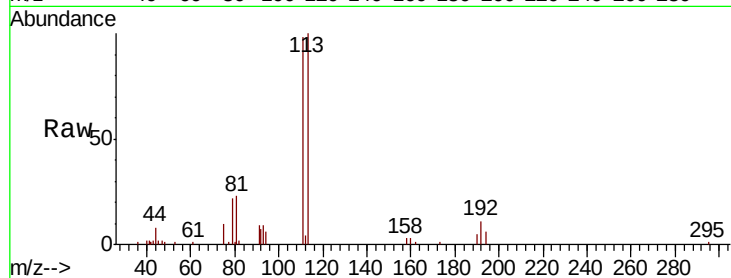
Tot Ion: 42 Resp: 592

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

71 10.8 29.7 44.5#



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

4.09

300

200

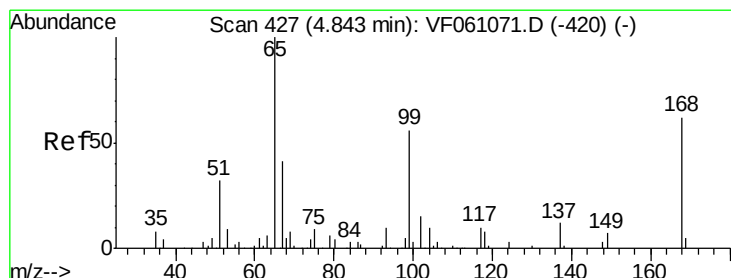
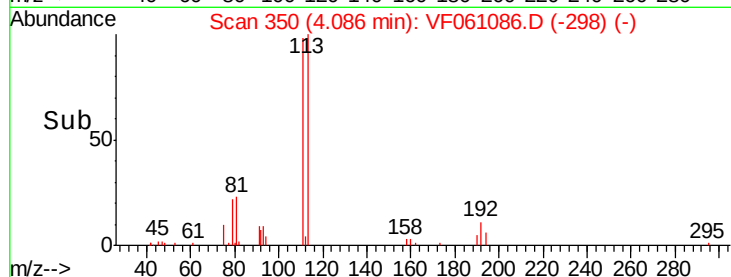
100

0

4.05

4.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 37.116 ug/l

RT: 4.85 min Scan# 427

Delta R.T. 0.00 min

Lab File: VF061086.D

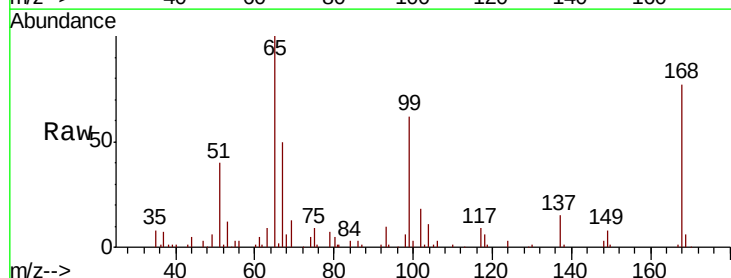
Acq: 19 Dec 2018 15:45

Tgt Ion: 65 Resp: 99412

Ion Ratio Lower Upper

65 100

67 50.3 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.85

40000

30000

20000

10000

0

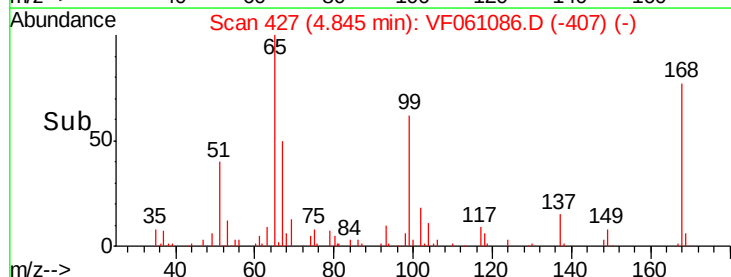
4.70

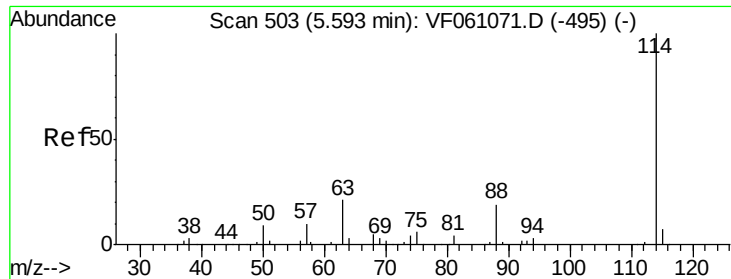
4.80

4.90

5.00

Time-->

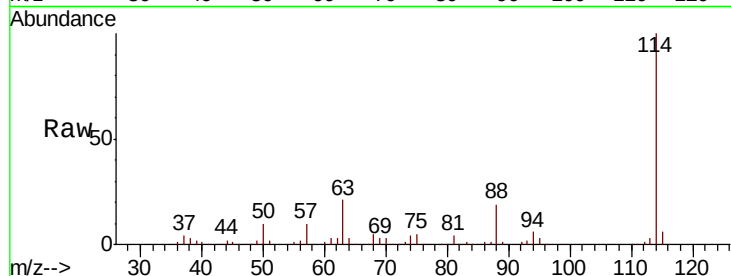




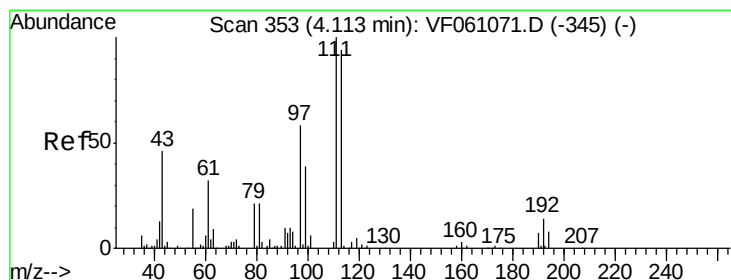
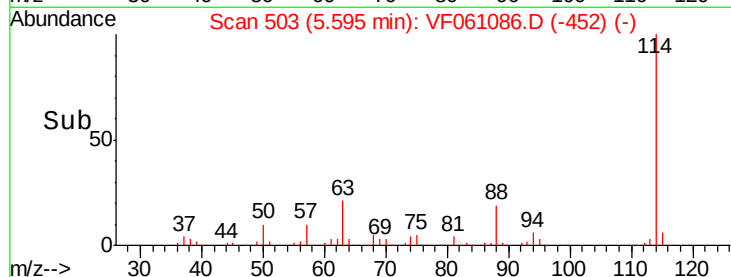
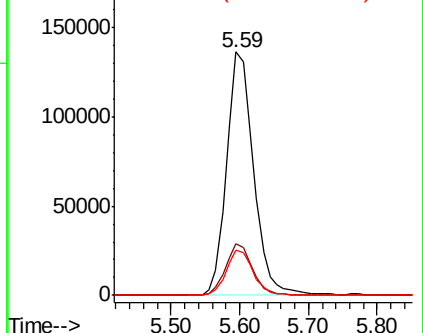
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VF061086.D
 Acq: 19 Dec 2018 15:45

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:114 Resp: 372072
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.6
 88 18.6 0.0 38.0

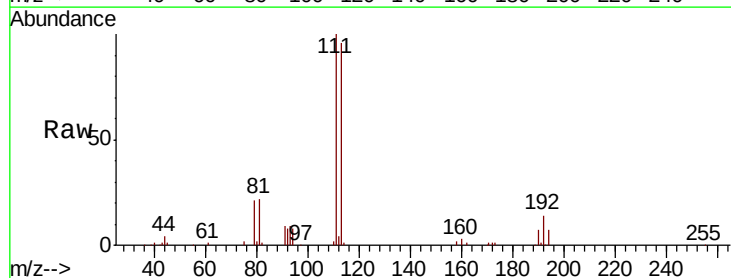


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

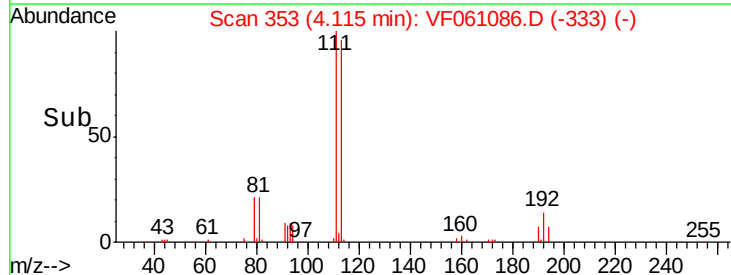
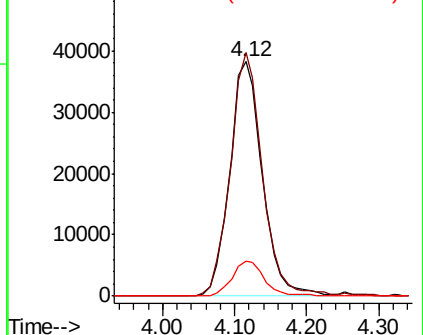


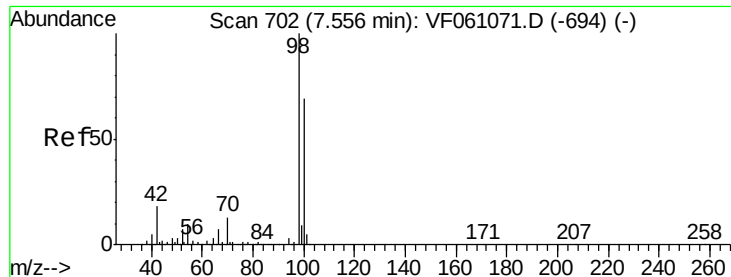
#35
 Dibromofluoromethane
 Concen: 40.697 ug/l
 RT: 4.12 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VF061086.D
 Acq: 19 Dec 2018 15:45

Tgt Ion:113 Resp: 121298
 Ion Ratio Lower Upper
 113 100
 111 103.9 85.2 127.8
 192 15.4 12.8 19.2



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: 35.877 ug/l

RT: 7.56 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061086.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_F

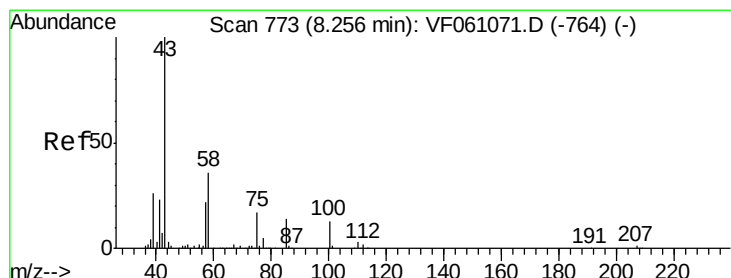
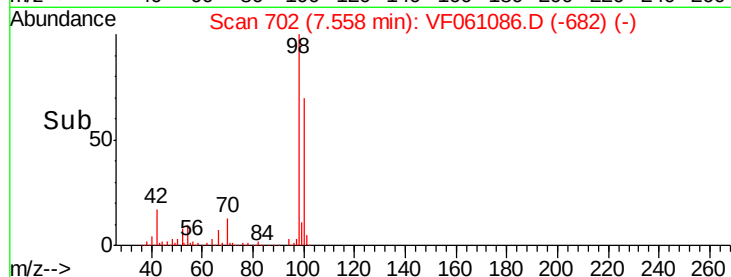
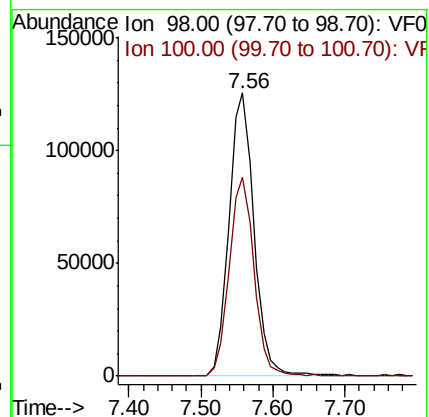
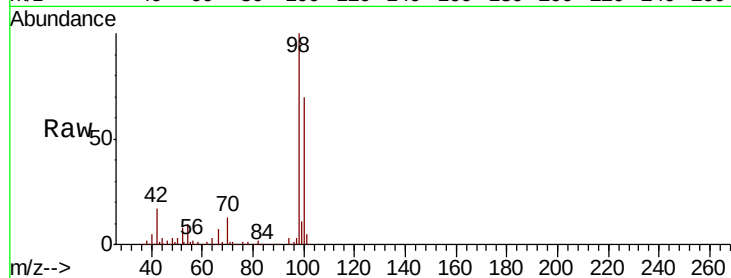
ClientSampleId :

Tot Ion: 98 Resp: 303031

Ion Ratio Lower Upper

98 100

100 70.5 55.3 82.9



#51

4-Methyl-2-Pentanone

Concen: 1.099 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.02 min

Lab File: VF061086.D

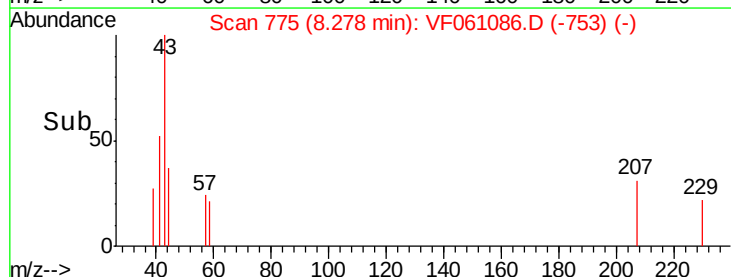
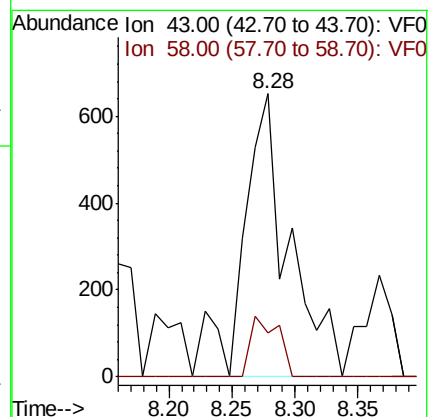
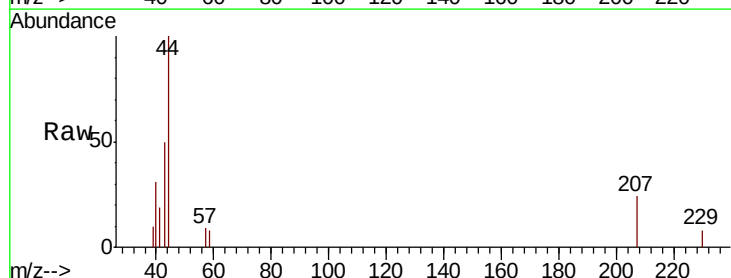
Acq: 19 Dec 2018 15:45

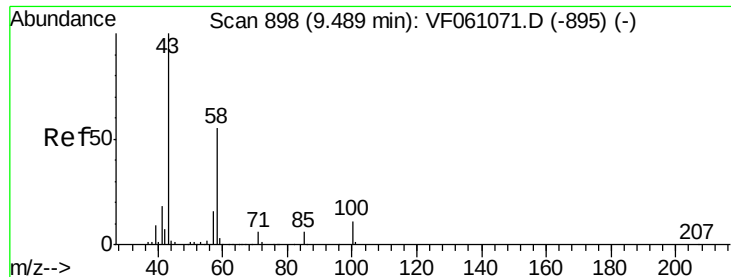
Tgt Ion: 43 Resp: 1635

Ion Ratio Lower Upper

43 100

58 15.6 29.1 43.7#

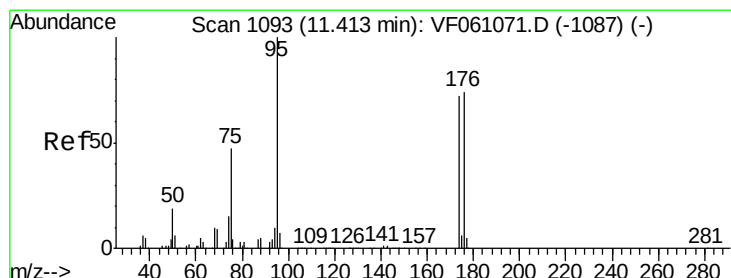
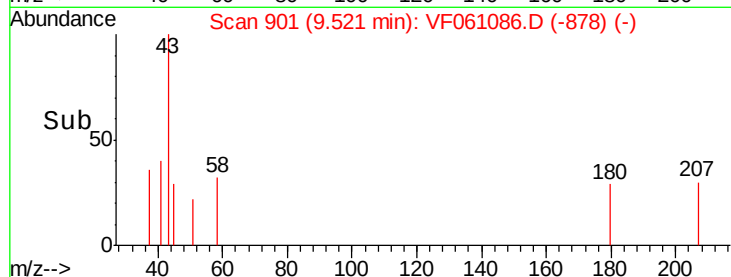
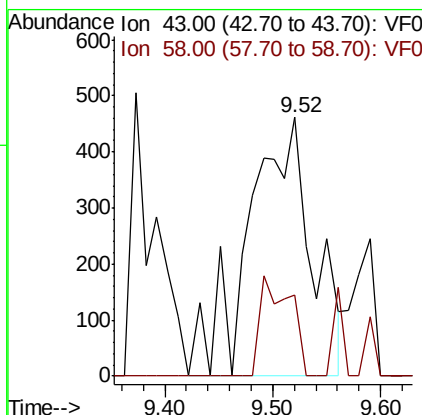
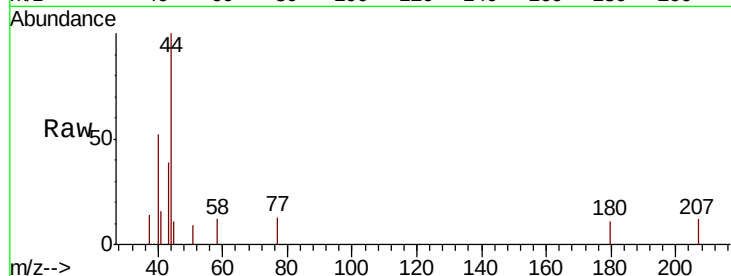




#59
2-Hexanone
Concen: 1.776 ug/l
RT: 9.52 min Scan# 901
Delta R.T. 0.03 min
Lab File: VF061086.D
Acq: 19 Dec 2018 15:45

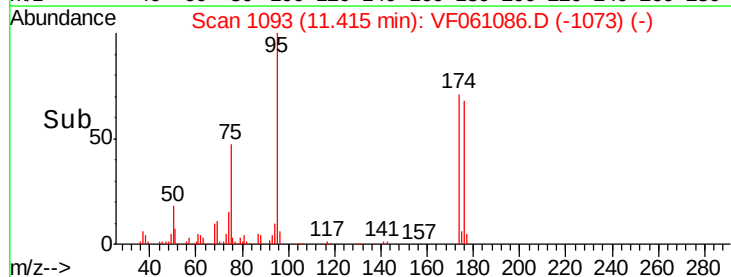
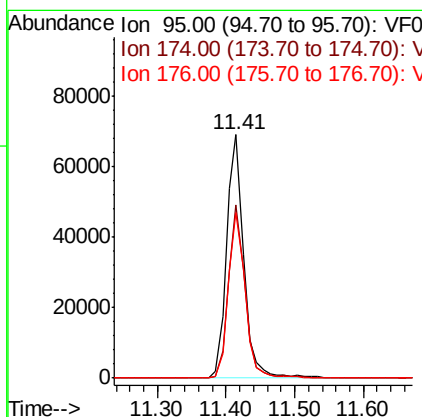
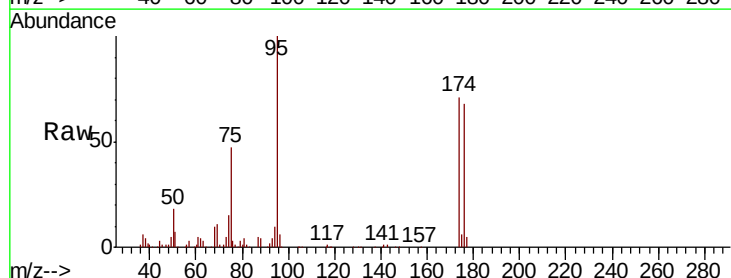
Instrument :
MSVOA_F
ClientSampled :

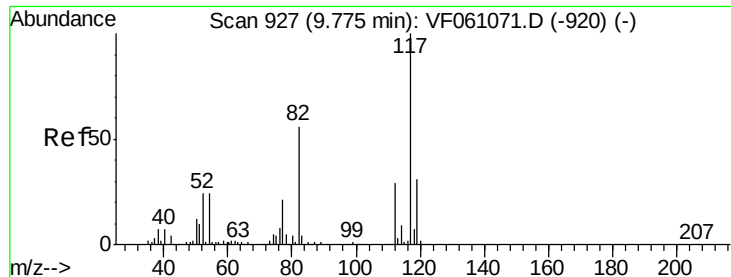
Tot Ion: 43 Resp: 1910
Ion Ratio Lower Upper
43 100
58 31.6 25.1 75.2



#62
4-Bromofluorobenzene
Concen: 30.477 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VF061086.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 95 Resp: 118674
Ion Ratio Lower Upper
95 100
174 71.1 0.0 143.8
176 67.8 0.0 147.6

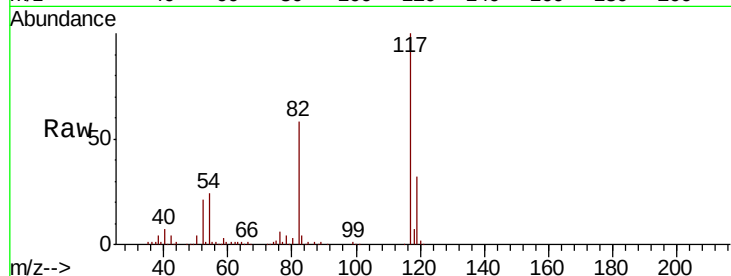




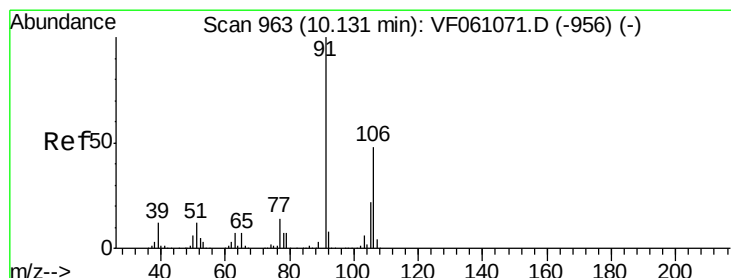
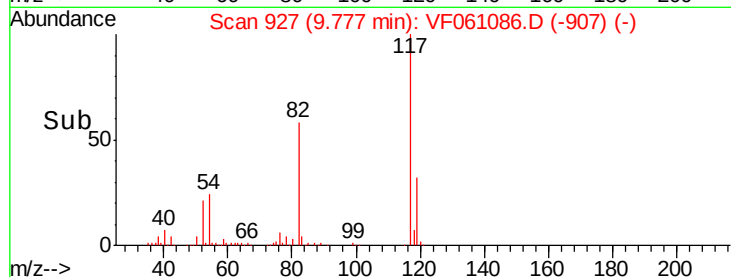
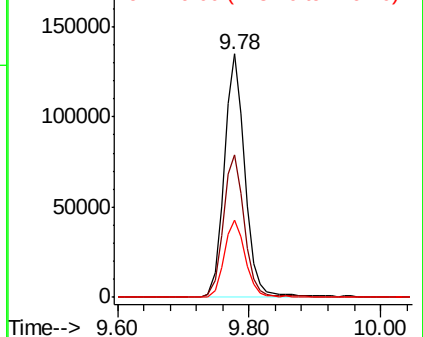
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061086.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 297220
Ion Ratio Lower Upper
117 100
82 58.3 45.0 67.4
119 31.6 24.8 37.2

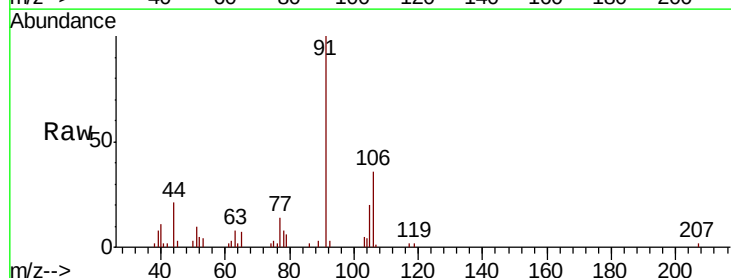


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

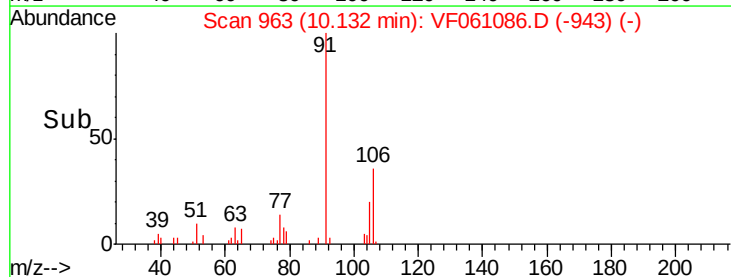
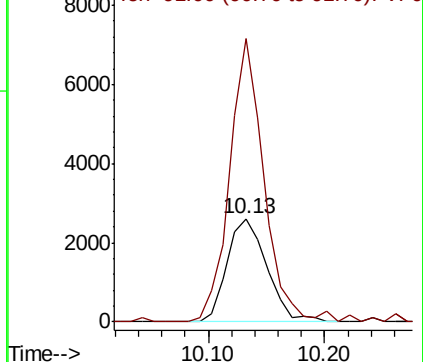


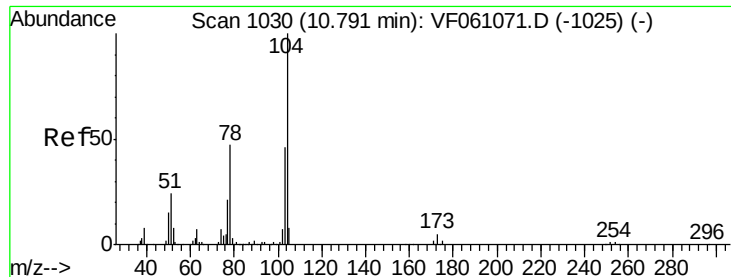
#68
m/p-Xylenes
Concen: 1.559 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.00 min
Lab File: VF061086.D
Acq: 19 Dec 2018 15:45

Tgt Ion:106 Resp: 6137
Ion Ratio Lower Upper
106 100
91 274.9 168.2 252.2#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

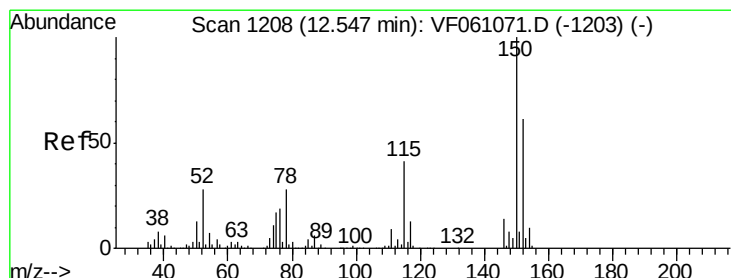
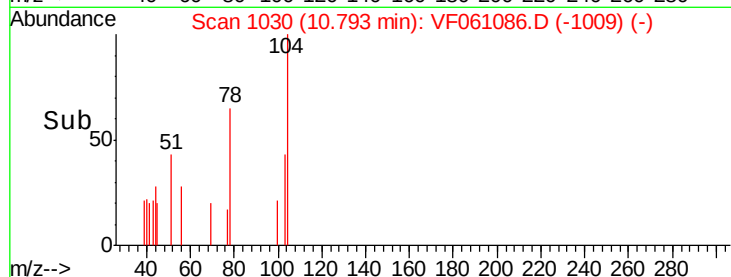
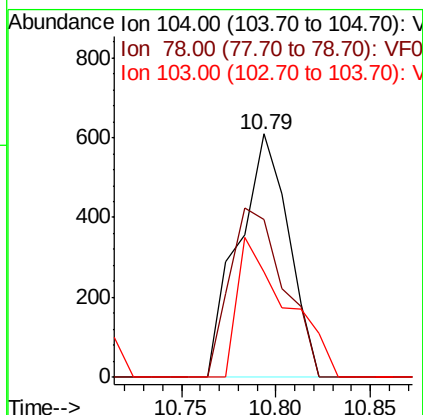
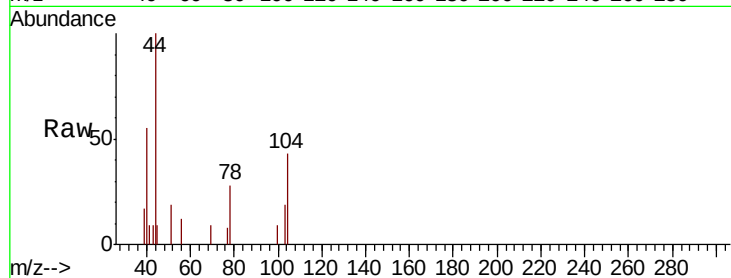




#70
Stvrene
Concen: Below Cal
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061086.D
Acq: 19 Dec 2018 15:45

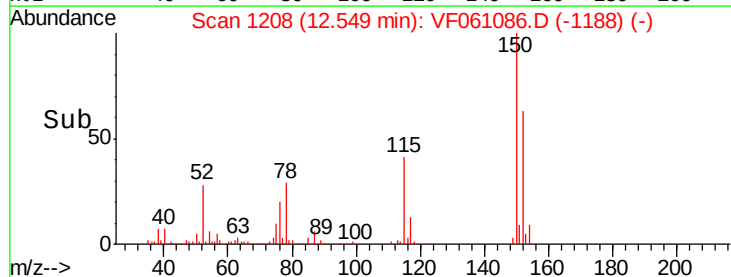
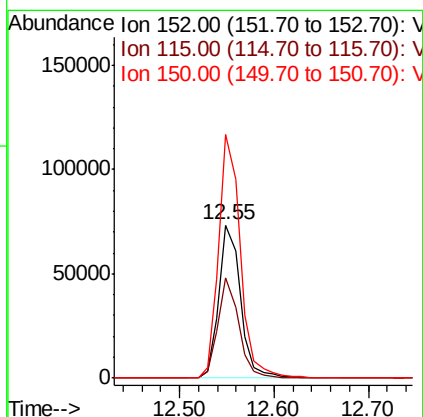
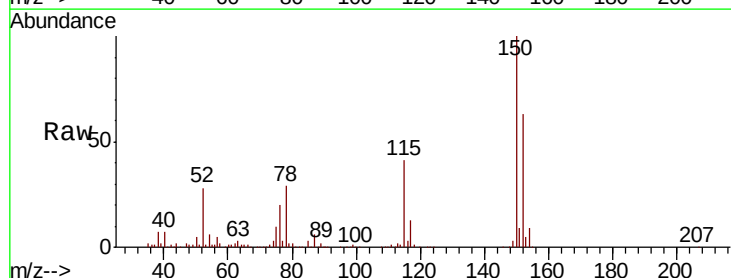
Instrument :
MSVOA_F
ClientSampleId :

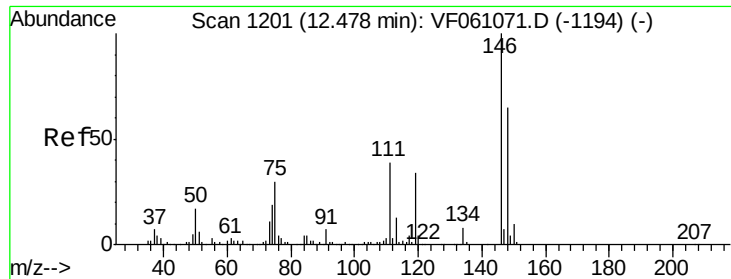
Tot Ion:104 Resp: 1125
Ion Ratio Lower Upper
104 100
78 65.0 38.4 57.6#
103 43.3 37.0 55.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VF061086.D
Acq: 19 Dec 2018 15:45

Tgt Ion:152 Resp: 117813
Ion Ratio Lower Upper
152 100
115 65.2 33.3 99.9
150 159.1 0.0 328.2

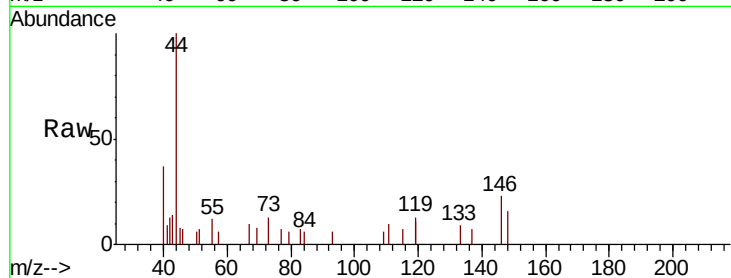




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061086.D
 Acq: 19 Dec 2018 15:45

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	19.3	57.9
148	70.2	32.4	97.2



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

