

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059248.D
 Acq On : 21 Jun 2018 3:00
 Operator : VA/AP
 Sample : VF0620SBL02
 Misc : 5.20g/5mL/MSVOA-F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:41:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

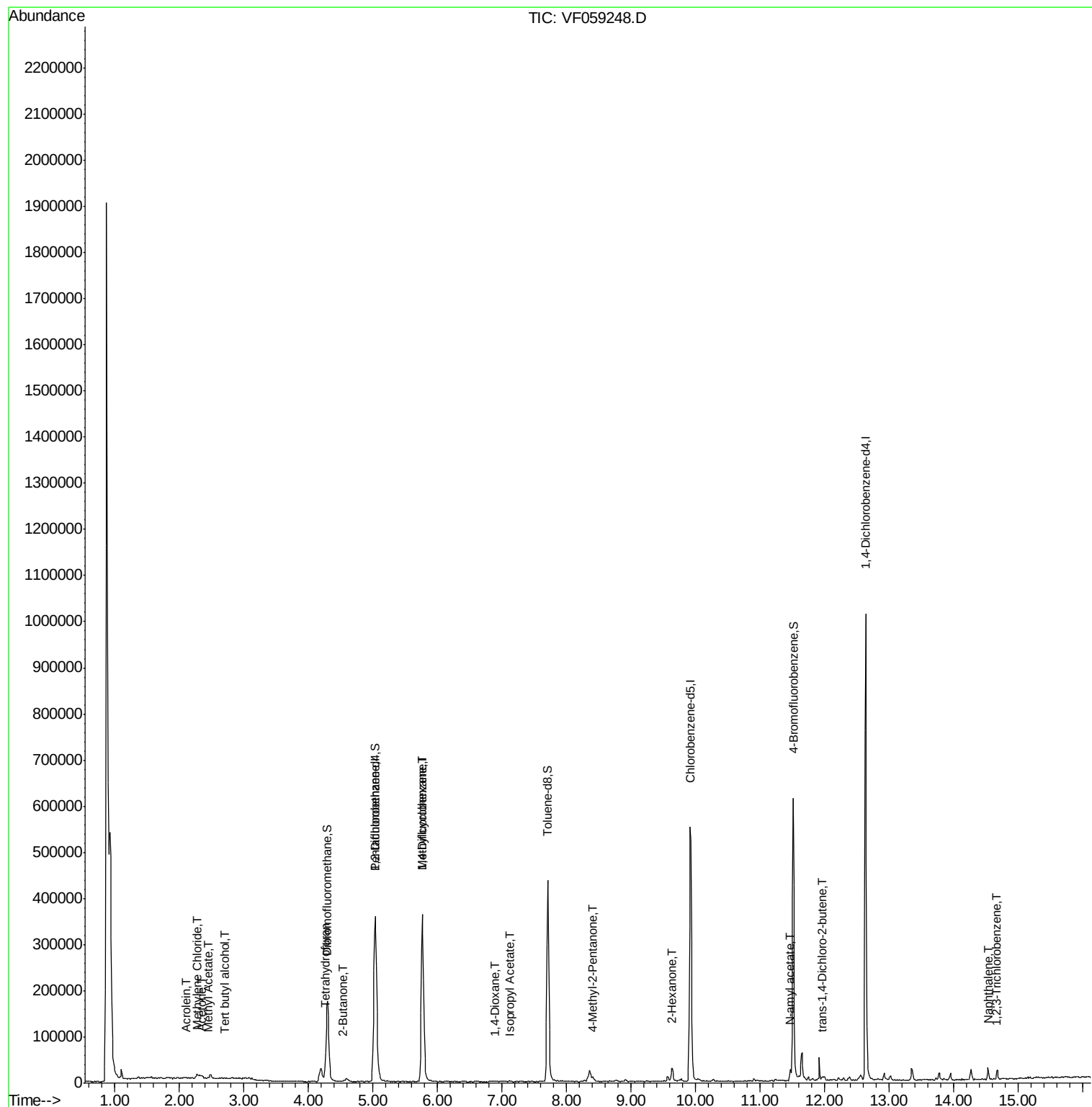
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	241115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	379718	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	388785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	248538	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	175945	60.17	ug/l	0.01
Spiked Amount 50.000			Recovery	=	120.34%	
35) Dibromofluoromethane	4.30	113	157436	59.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.18%	
50) Toluene-d8	7.71	98	367740	46.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.96%	
62) 4-Bromofluorobenzene	11.51	95	212492	52.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.86%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.69	59	736	3.928	ug/l #	71
13) Acrolein	2.10	56	564	3.478	ug/l #	24
16) Acetone	2.34	43	3663	5.246	ug/l #	90
18) Methyl Acetate	2.44	43	1574	1.311	ug/l #	91
20) Methylene Chloride	2.28	84	5689	3.403	ug/l #	90
25) 2-Butanone	4.52	43	1658	1.532	ug/l	98
29) Tetrahydrofuran	4.26	42	636	1.333	ug/l #	87
39) Methylcyclohexane	5.76	83	5312	1.416	ug/l #	40
43) Isopropyl Acetate	7.12	43	3135	1.029	ug/l #	95
49) 1,4-Dioxane	6.88	88	153	23.022	ug/l #	21
51) 4-Methyl-2-Pentanone	8.41	43	8501	4.072	ug/l	92
59) 2-Hexanone	9.63	43	25375	15.367	ug/l	98
74) N-amyl acetate	11.46	43	15546	2.529	ug/l #	89
81) trans-1,4-Dichloro-2-buten	11.95	75	2142	1.097	ug/l #	81
89) n-Butylbenzene	12.92	91	6424	Below Cal		95
95) Naphthalene	14.53	128	16723	1.453	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.68	180	5407	1.086	ug/l	90

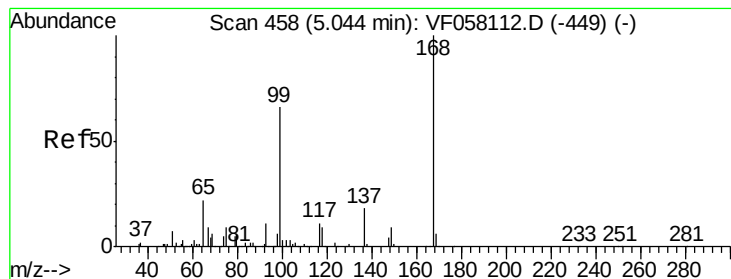
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062018\
Data File : VF059248.D
Acq On : 21 Jun 2018 3:00
Operator : VA/AP
Sample : VF0620SBL02
Misc : 5.20g/5mL/MSVOA-F/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 21 06:41:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059248.D

Acq: 21 Jun 2018 3:00

Instrument :

MSVOA_F

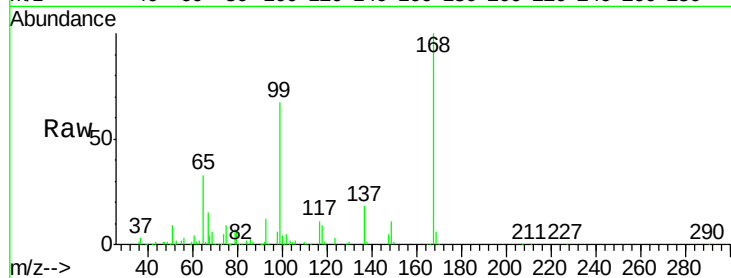
ClientSampleId :

Tot Ion:168 Resp: 241115

Ion Ratio Lower Upper

168 100

99 67.3 52.9 79.3

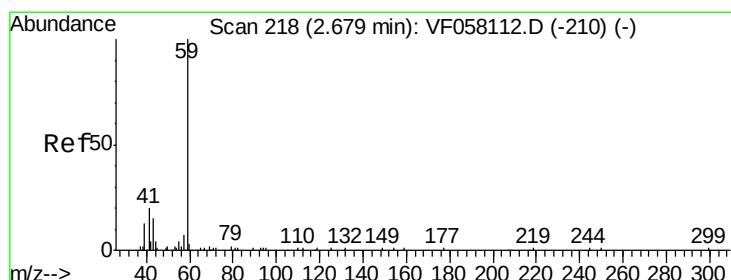
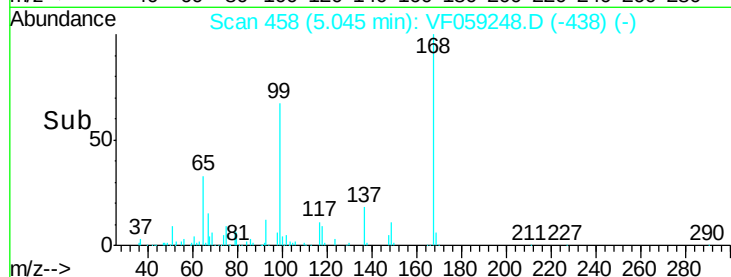


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

Time-->



#11

Tert butyl alcohol

Concen: 3.928 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.01 min

Lab File: VF059248.D

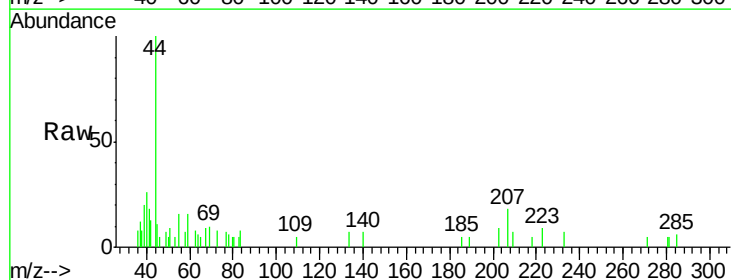
Acq: 21 Jun 2018 3:00

Tgt Ion: 59 Resp: 736

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#

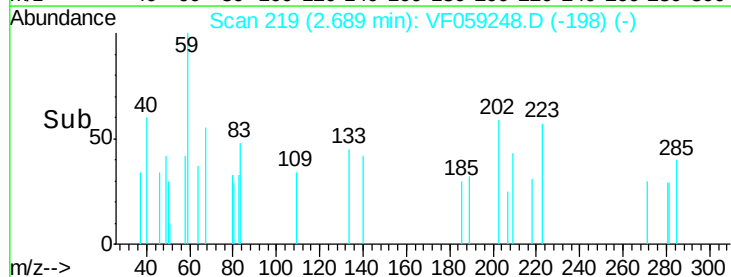


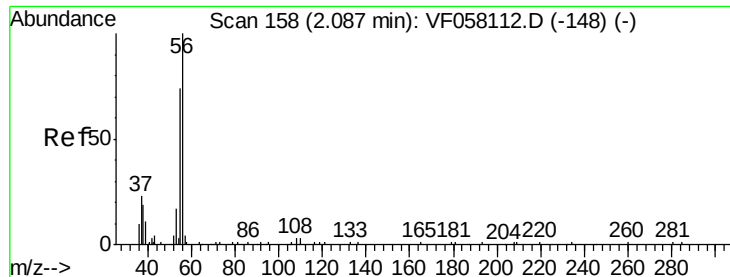
Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.69

Time-->

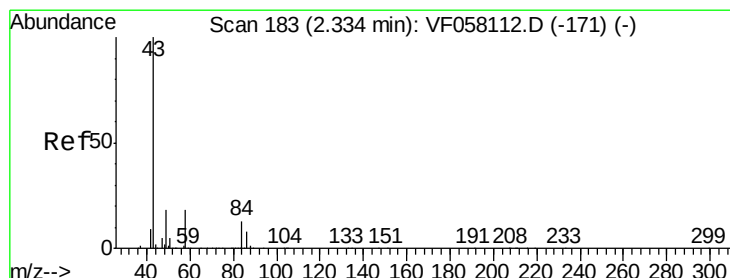
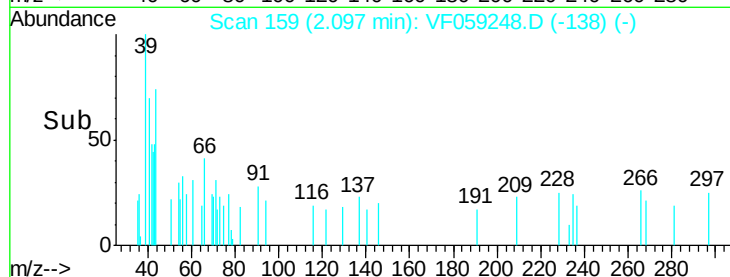
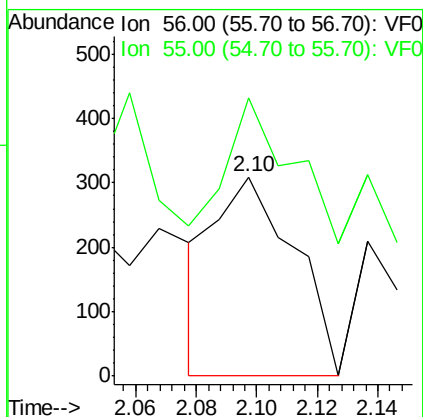
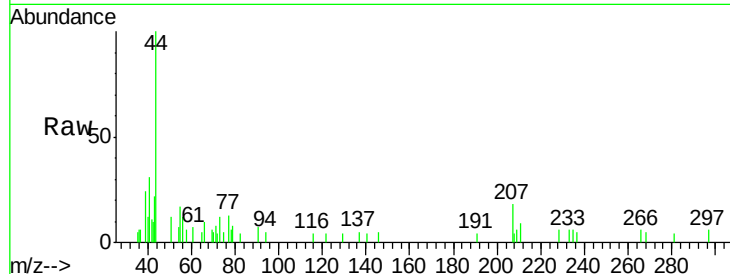




#13
Acrolein
Concen: 3.478 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF059248.D
Acq: 21 Jun 2018 3:00

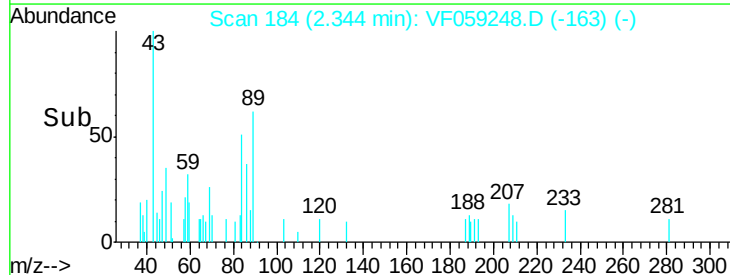
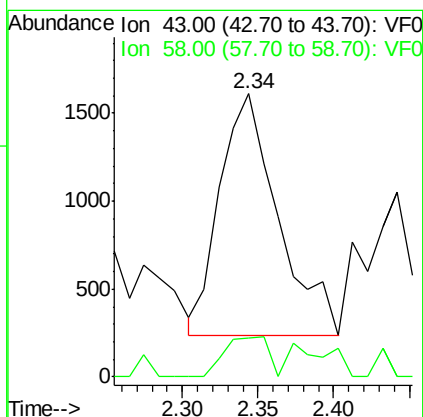
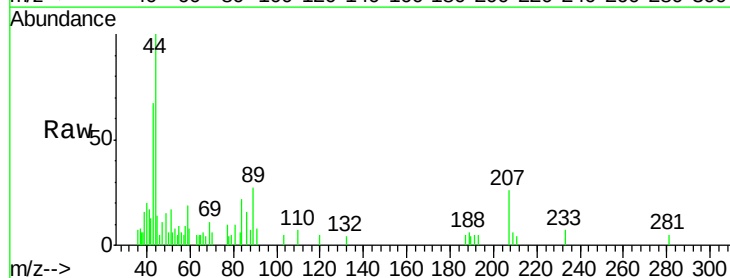
Instrument :
MSVOA_F
ClientSampleId :

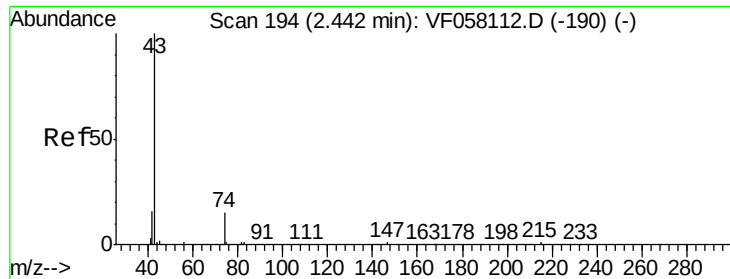
Tot Ion: 56 Resp: 564
Ion Ratio Lower Upper
56 100
55 139.8 60.0 90.0#



#16
Acetone
Concen: 5.246 ug/l
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF059248.D
Acq: 21 Jun 2018 3:00

Tgt Ion: 43 Resp: 3663
Ion Ratio Lower Upper
43 100
58 13.8 14.4 21.6#

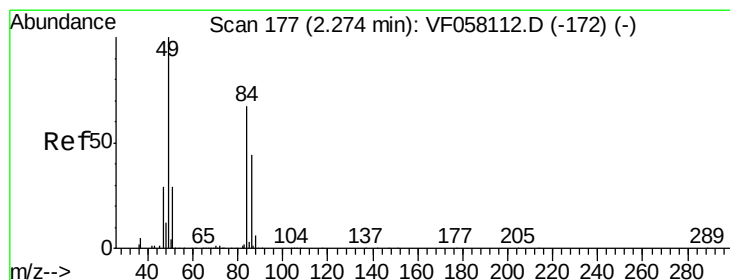
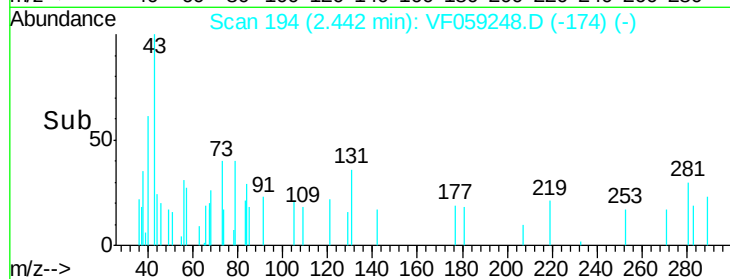
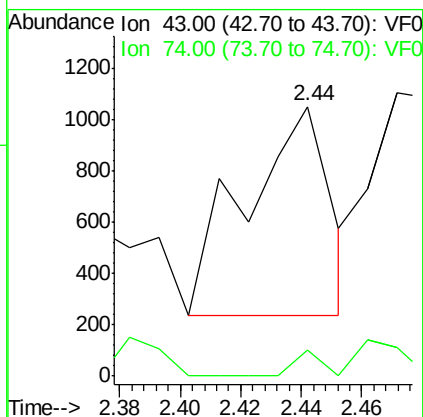
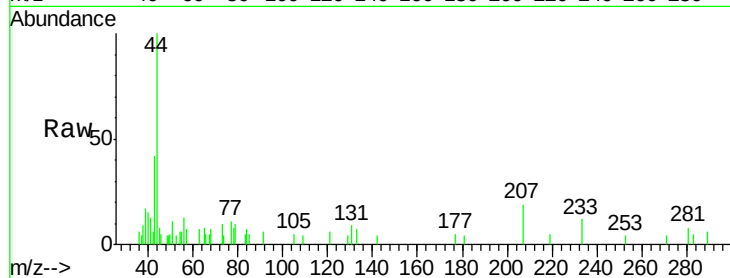




#18
Methyl Acetate
Concen: 1.311 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059248.D
Acq: 21 Jun 2018 3:00

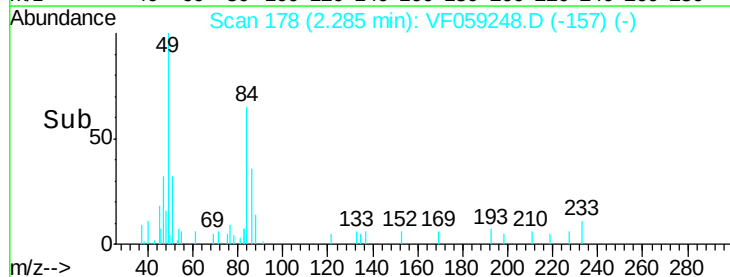
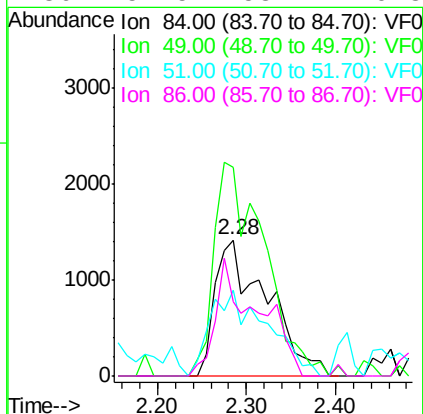
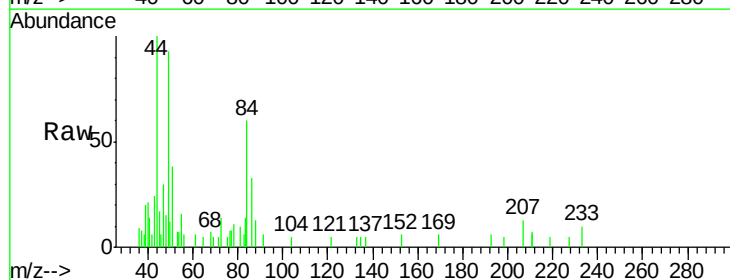
Instrument :
MSVOA_F
ClientSampleId :

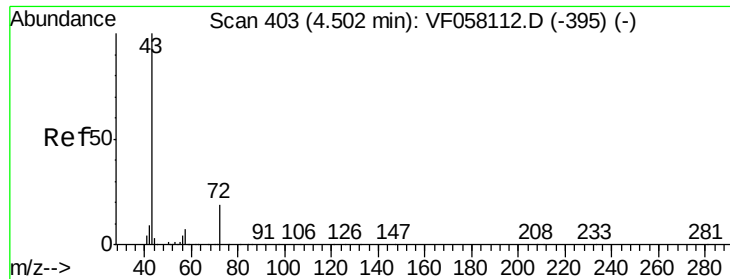
Tot Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
74 9.9 10.9 16.3#



#20
Methylene Chloride
Concen: 3.403 ug/l
RT: 2.28 min Scan# 178
Delta R.T. 0.01 min
Lab File: VF059248.D
Acq: 21 Jun 2018 3:00

Tgt Ion: 84 Resp: 5689
Ion Ratio Lower Upper
84 100
49 153.2 121.0 181.4
51 63.2 35.8 53.6#
86 54.5 53.2 79.8

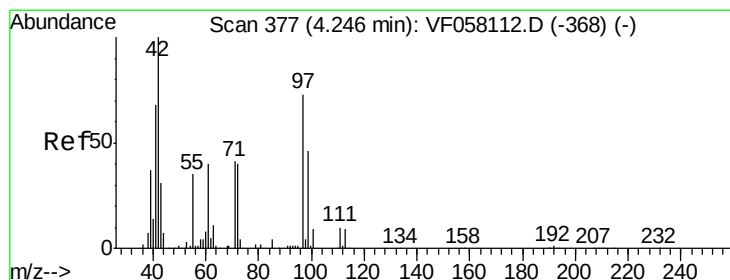
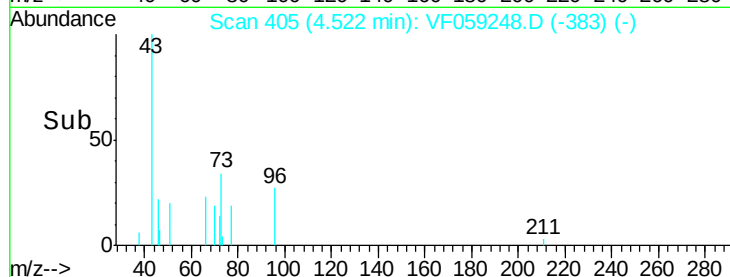
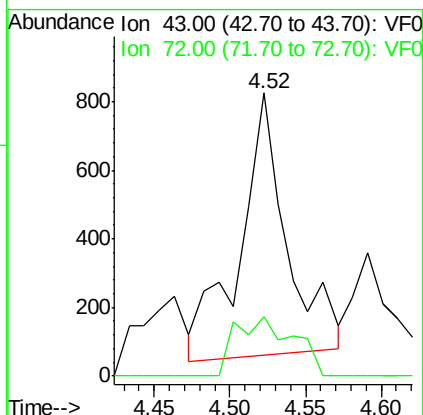
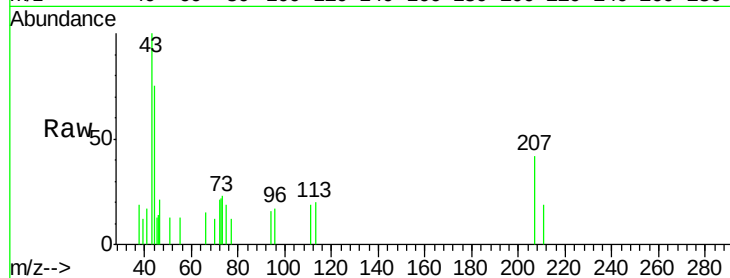




#25
2-Butanone
Concen: 1.532 ug/l
RT: 4.52 min Scan# 405
Delta R.T. 0.02 min
Lab File: VF059248.D
Acq: 21 Jun 2018 3:00

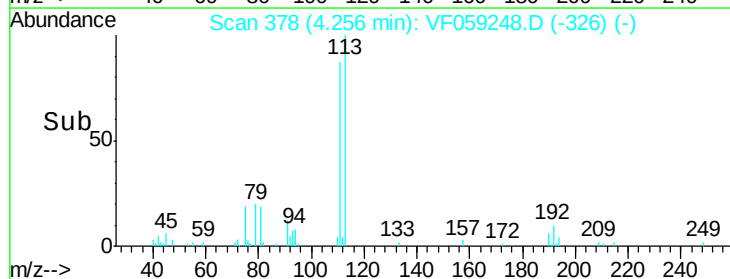
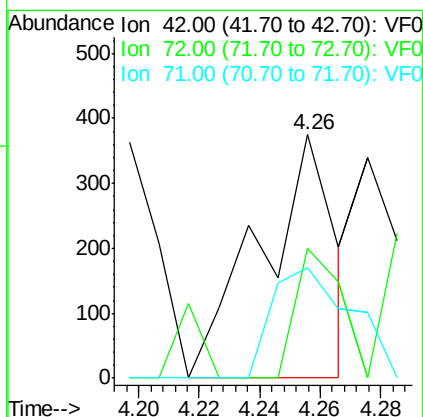
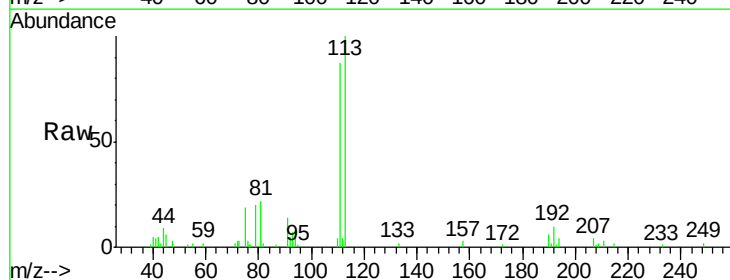
Instrument :
MSVOA_F
ClientSampled :

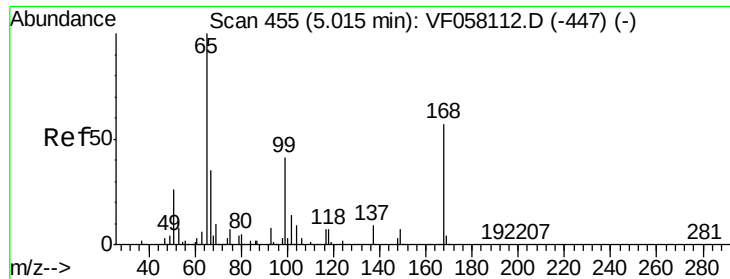
Tot Ion: 43 Resp: 1658
Ion Ratio Lower Upper
43 100
72 21.0 16.1 24.1



#29
Tetrahydrofuran
Concen: 1.333 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF059248.D
Acq: 21 Jun 2018 3:00

Tgt Ion: 42 Resp: 636
Ion Ratio Lower Upper
42 100
72 32.4 30.5 45.7
71 48.9 31.5 47.3#

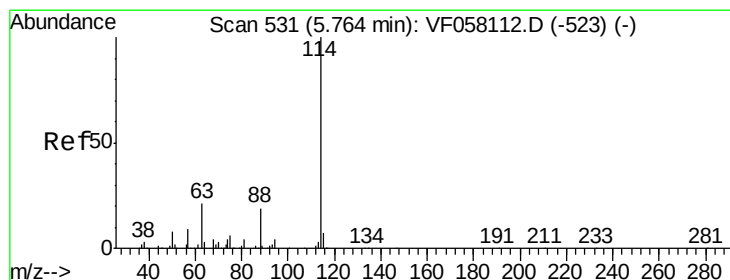
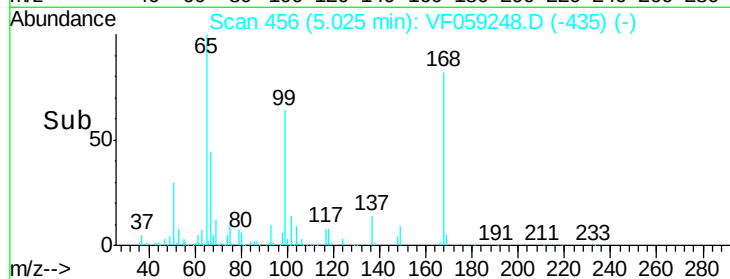
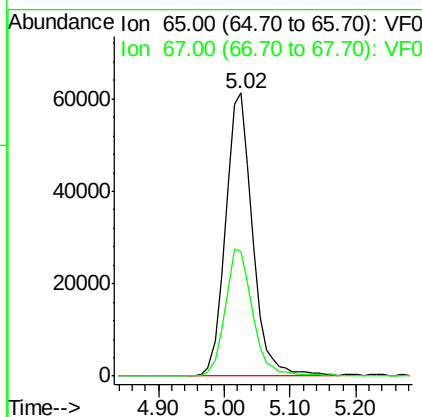
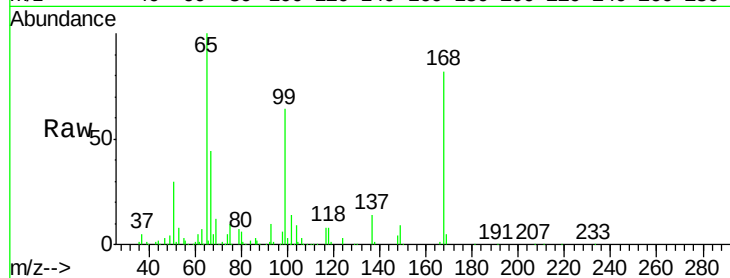




#33
 1,2-Dichloroethane-d4
 Concen: 60.168 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF059248.D
 Acq: 21 Jun 2018 3:00

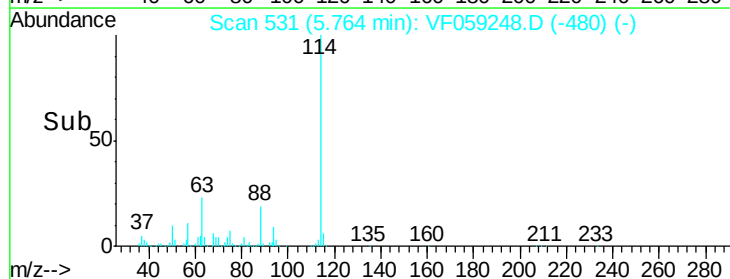
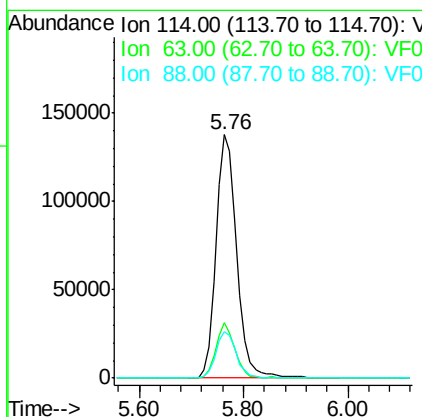
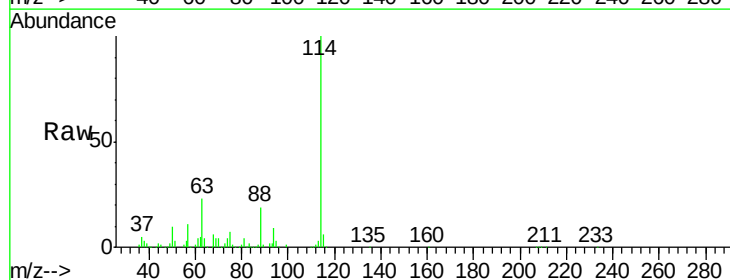
Instrument :
 MSVOA_F
 ClientSampled :

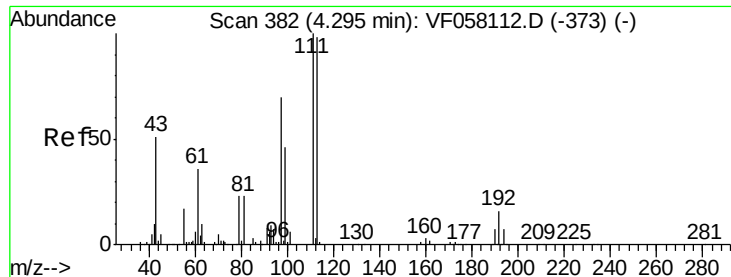
Tot Ion: 65 Resp: 175945
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059248.D
 Acq: 21 Jun 2018 3:00

Tgt Ion: 114 Resp: 379718
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 41.6
 88 19.2 0.0 38.8

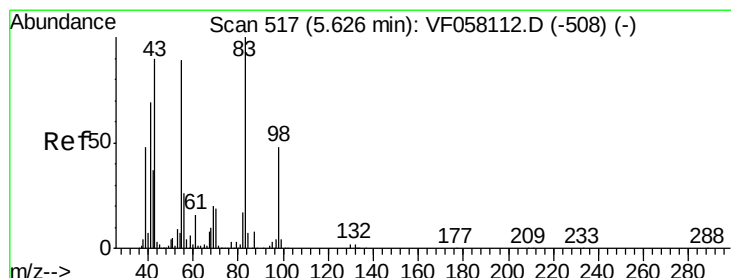
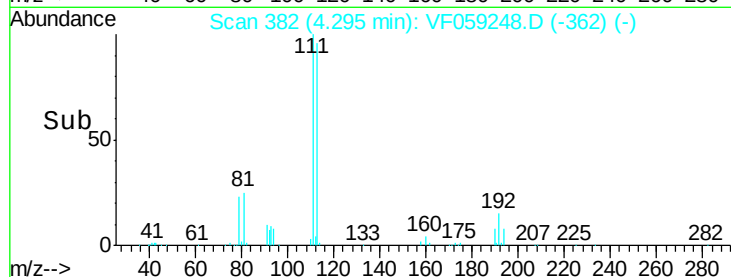
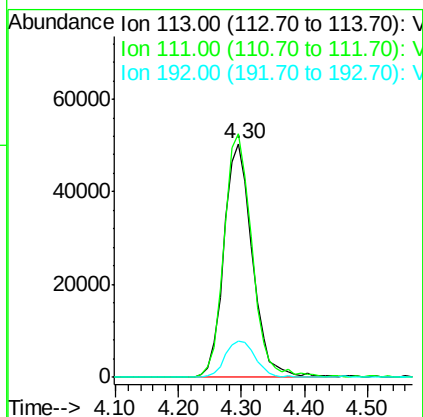
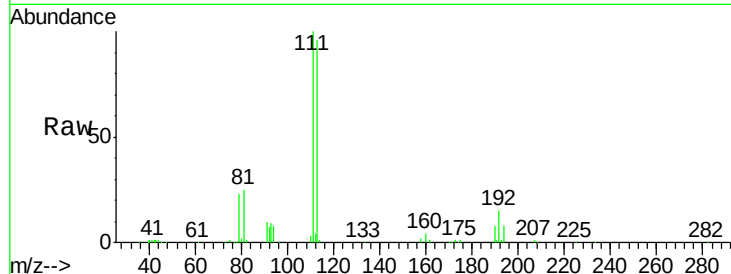




#35
Dibromofluoromethane
Concen: 59.089 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059248.D
Acq: 21 Jun 2018 3:00

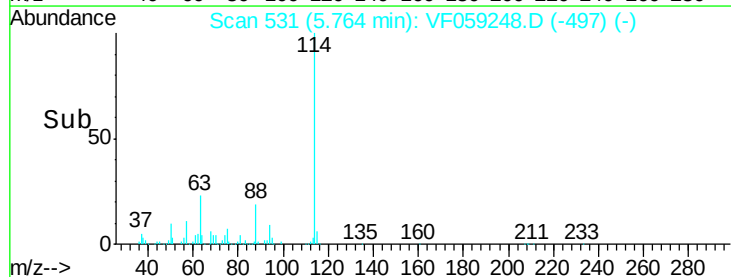
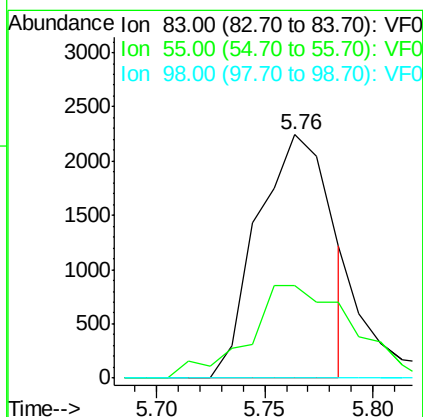
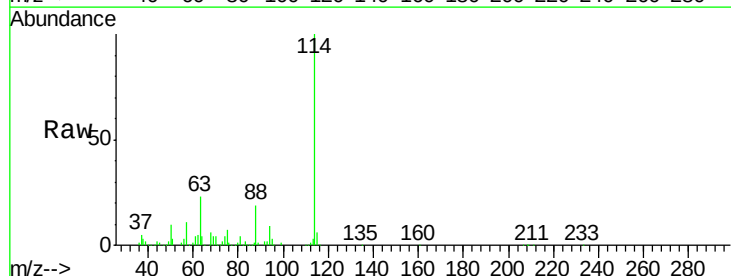
Instrument :
MSVOA_F
ClientSampleId :

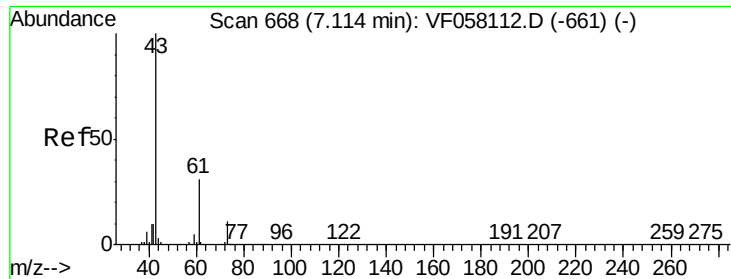
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.3	121.9
192	15.8	12.7	19.1



#39
Methylcyclohexane
Concen: 1.416 ug/l
RT: 5.76 min Scan# 531
Delta R.T. 0.14 min
Lab File: VF059248.D
Acq: 21 Jun 2018 3:00

Tgt Ion	Ratio	Lower	Upper
83	100		
55	38.1	71.0	106.4#
98	0.0	38.1	57.1#





#43

Isopropyl Acetate

Concen: 1.029 ug/l

RT: 7.12 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF059248.D

Acq: 21 Jun 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

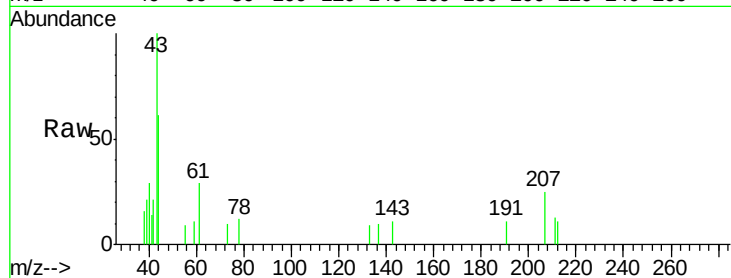
Tot Ion: 43 Resp: 3135

Ion Ratio Lower Upper

43 100

61 28.6 25.1 37.7

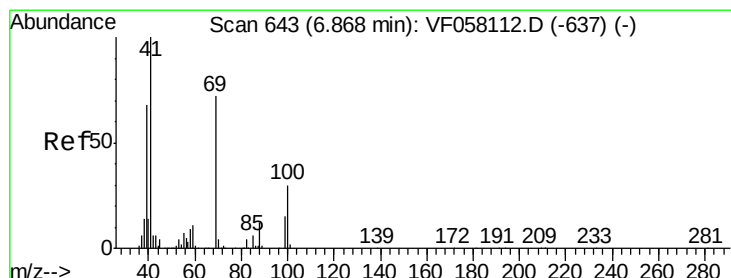
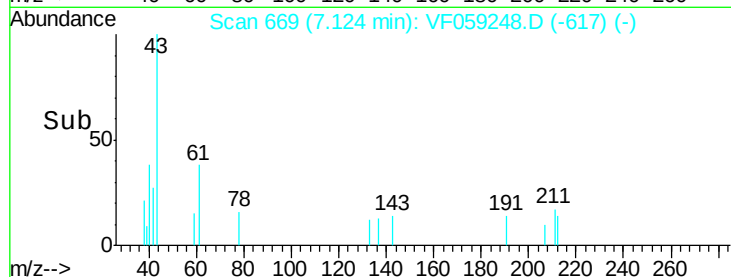
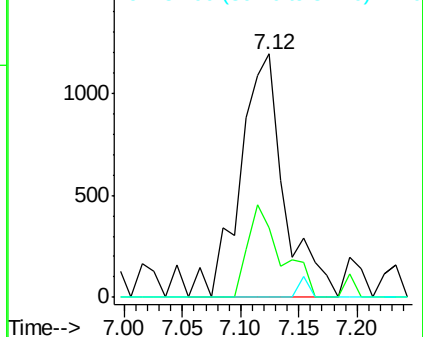
87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#49

1,4-Dioxane

Concen: 23.022 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF059248.D

Acq: 21 Jun 2018 3:00

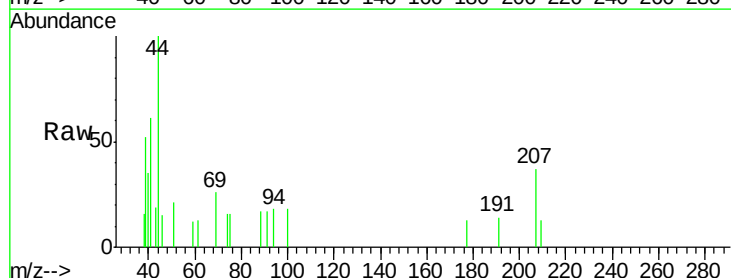
Tgt Ion: 88 Resp: 153

Ion Ratio Lower Upper

88 100

43 111.1 47.8 71.8#

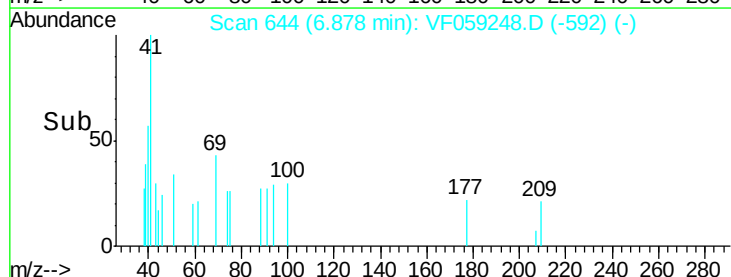
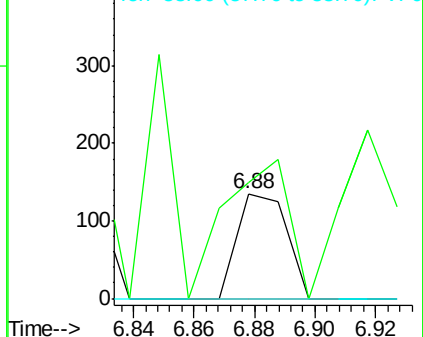
58 0.0 59.4 89.0#

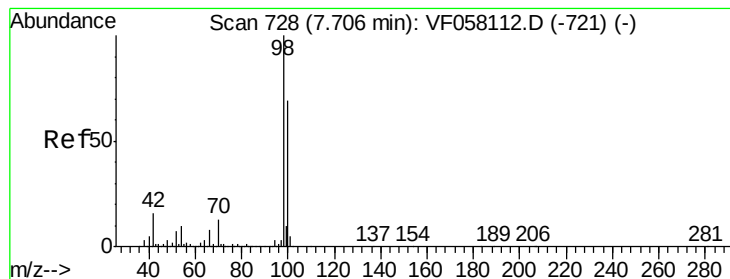


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 46.981 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059248.D

Acq: 21 Jun 2018 3:00

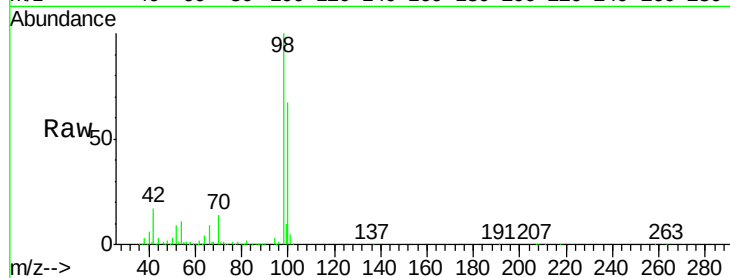
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 367740

Ion Ratio Lower Upper

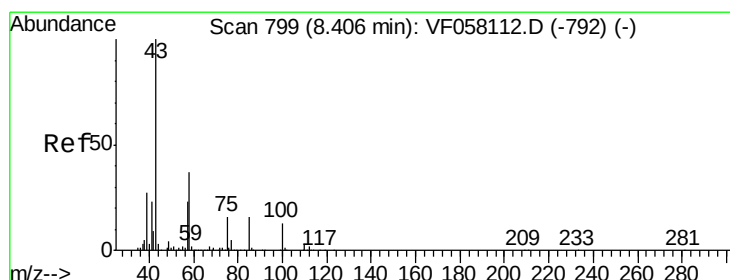
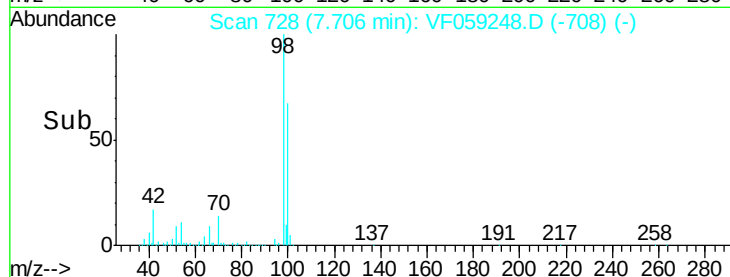
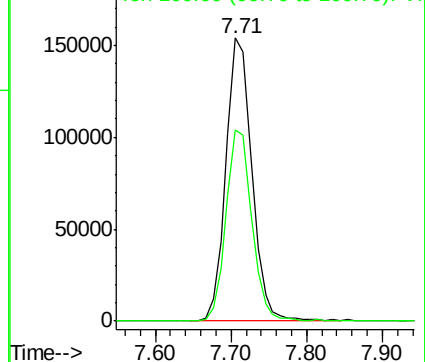
98 100

100 67.5 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 4.072 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059248.D

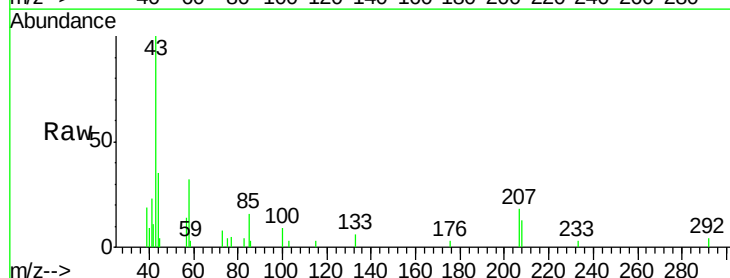
Acq: 21 Jun 2018 3:00

Tgt Ion: 43 Resp: 8501

Ion Ratio Lower Upper

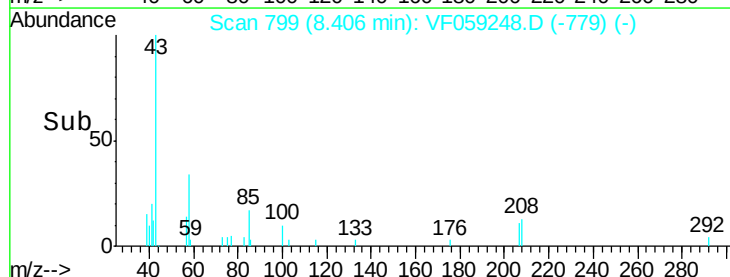
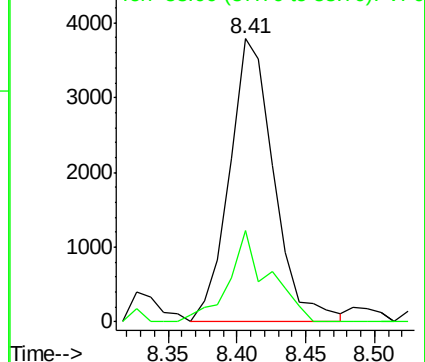
43 100

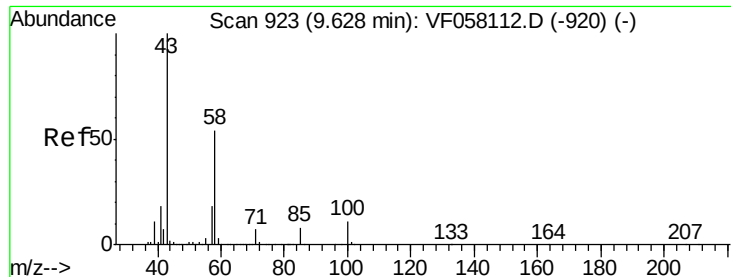
58 32.1 29.4 44.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

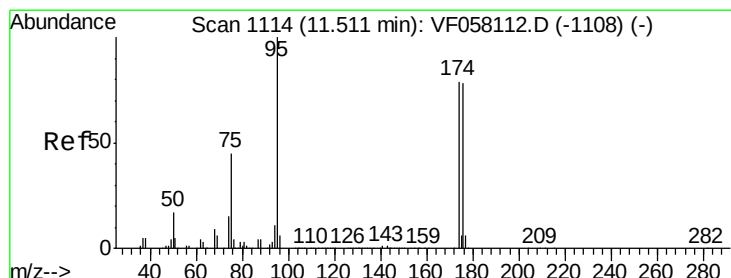
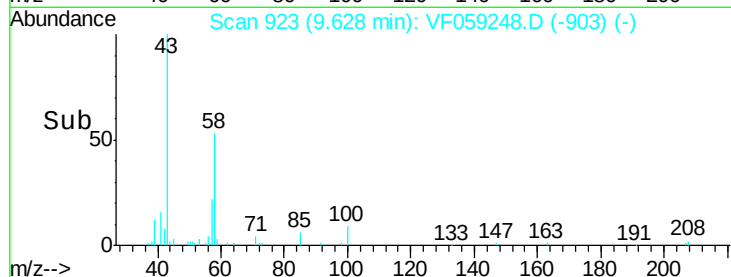
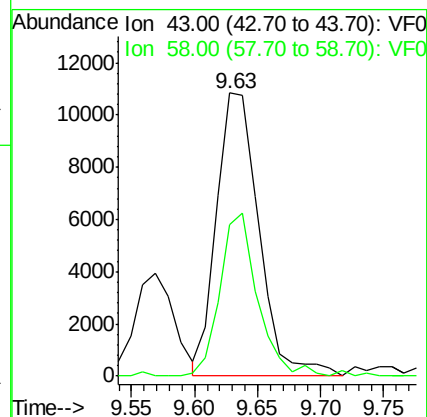
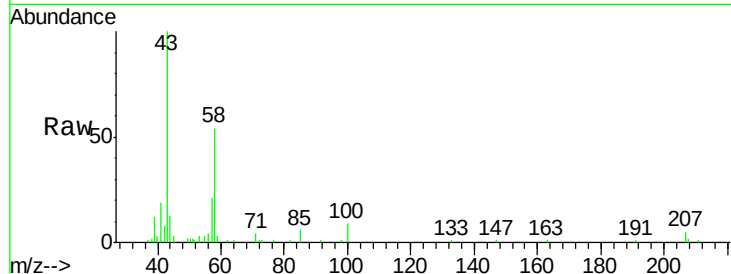




#59
2-Hexanone
Concen: 15.367 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059248.D
Acq: 21 Jun 2018 3:00

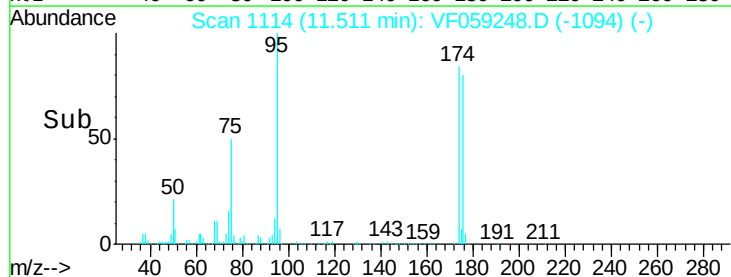
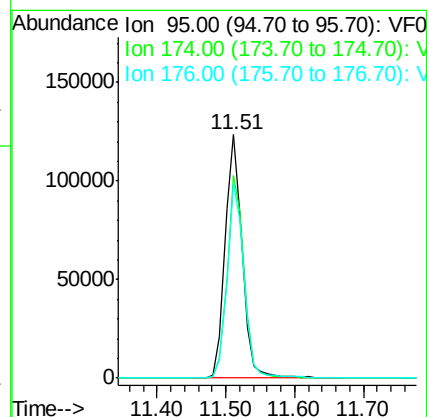
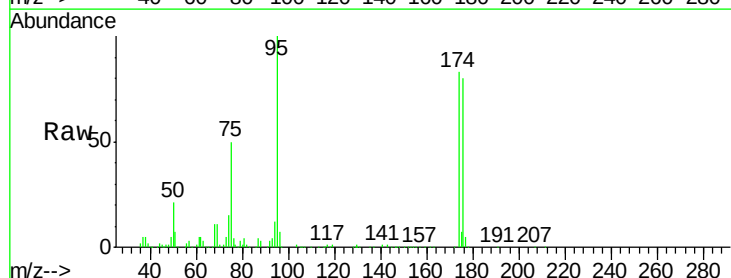
Instrument :
MSVOA_F
ClientSampled :

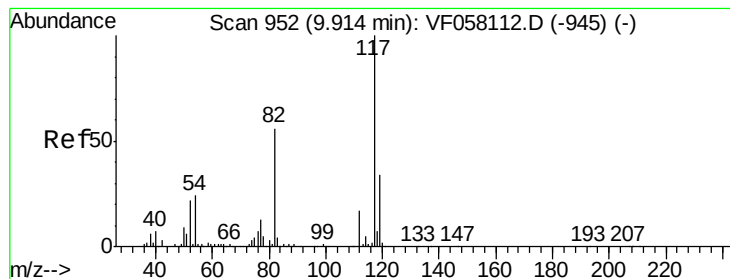
Tot Ion: 43 Resp: 25375
Ion Ratio Lower Upper
43 100
58 53.6 26.3 78.8



#62
4-Bromofluorobenzene
Concen: 52.928 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059248.D
Acq: 21 Jun 2018 3:00

Tgt Ion: 95 Resp: 212492
Ion Ratio Lower Upper
95 100
174 83.4 0.0 157.8
176 80.1 0.0 155.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059248.D

Acq: 21 Jun 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

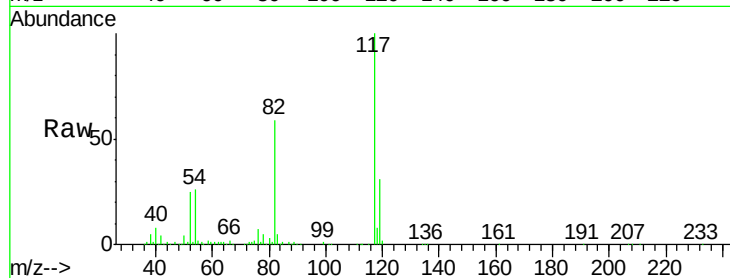
Tot Ion:117 Resp: 388785

Ion Ratio Lower Upper

117 100

82 59.2 45.2 67.8

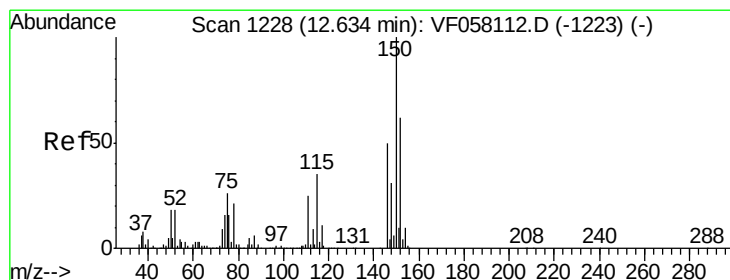
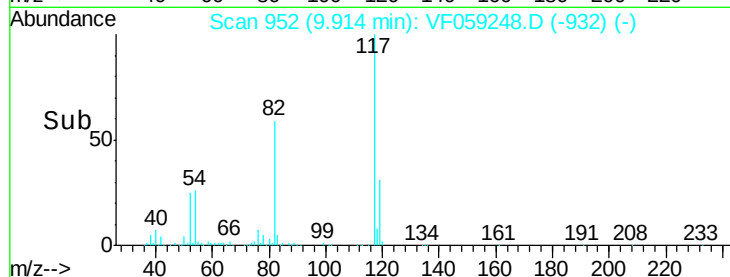
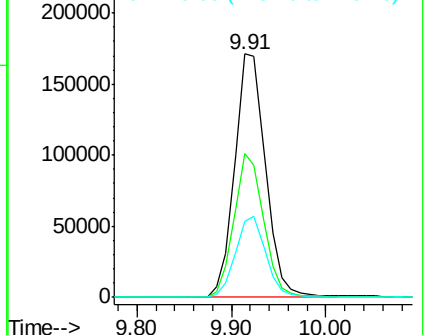
119 31.0 27.5 41.3



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: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059248.D

Acq: 21 Jun 2018 3:00

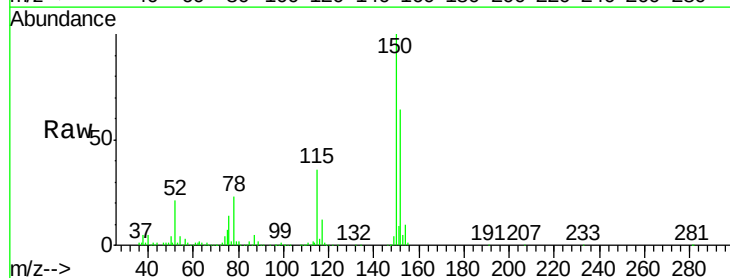
Tgt Ion:152 Resp: 248538

Ion Ratio Lower Upper

152 100

115 56.7 28.5 85.5

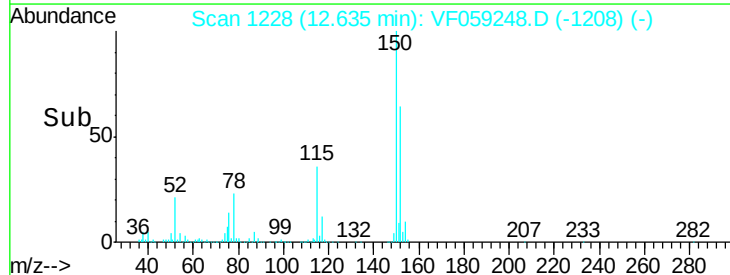
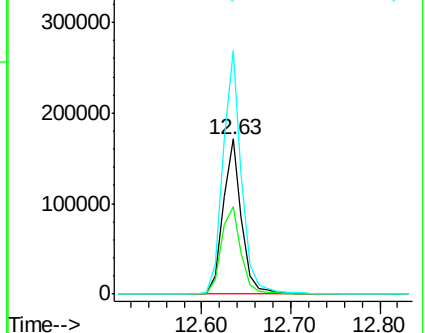
150 157.2 0.0 323.8

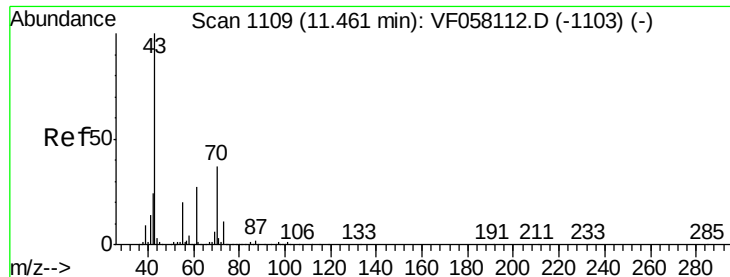


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#74

N-amvl acetate

Concen: 2.529 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059248.D

Acq: 21 Jun 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 15546

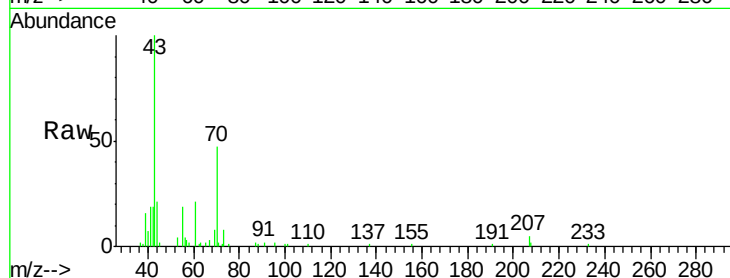
Ion Ratio Lower Upper

43 100

70 46.9 29.2 43.8#

55 19.4 15.8 23.6

61 21.0 21.3 31.9#

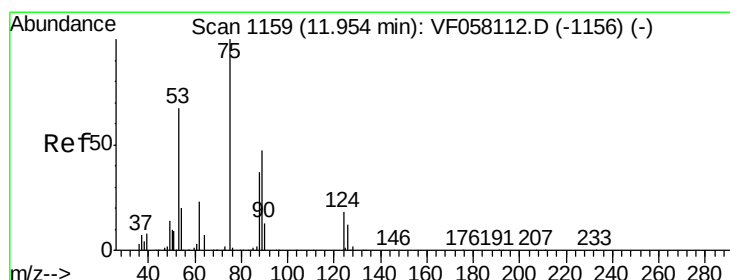
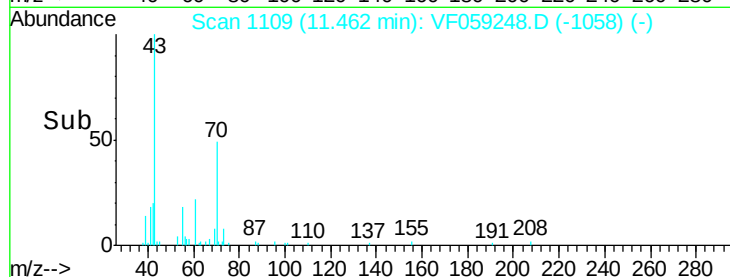
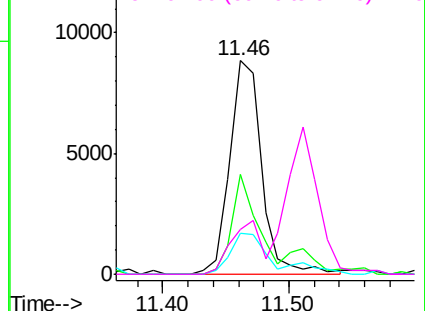


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#81

trans-1,4-Dichloro-2-butene

Concen: 1.097 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059248.D

Acq: 21 Jun 2018 3:00

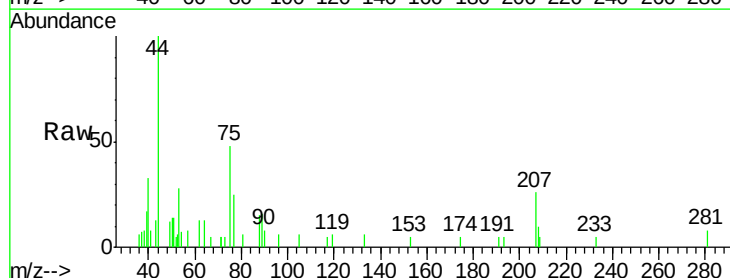
Tgt Ion: 75 Resp: 2142

Ion Ratio Lower Upper

75 100

53 59.1 58.7 88.1

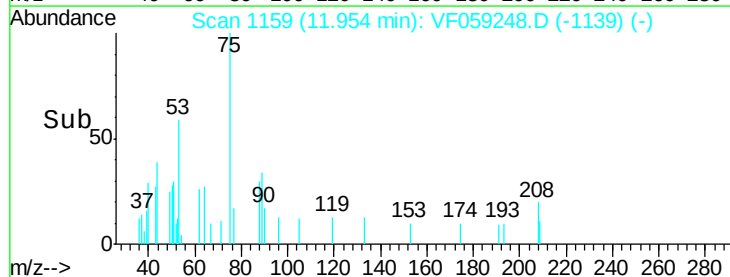
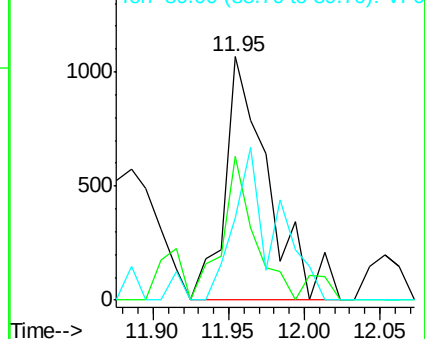
89 34.0 39.8 59.6#

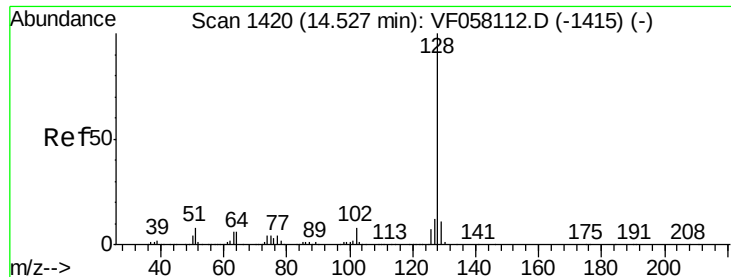


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0





#95

Naphthalene

Concen: 1.453 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059248.D

Acq: 21 Jun 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

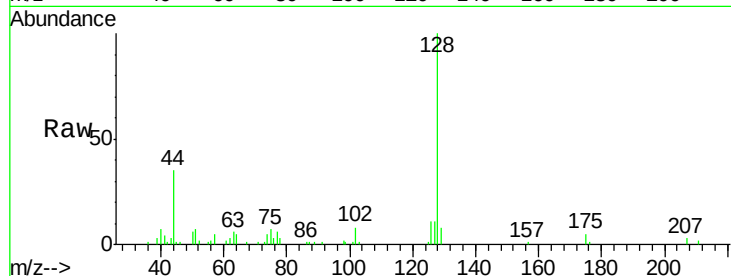
Tot Ion:128 Resp: 16723

Ion Ratio Lower Upper

128 100

127 11.1 9.9 14.9

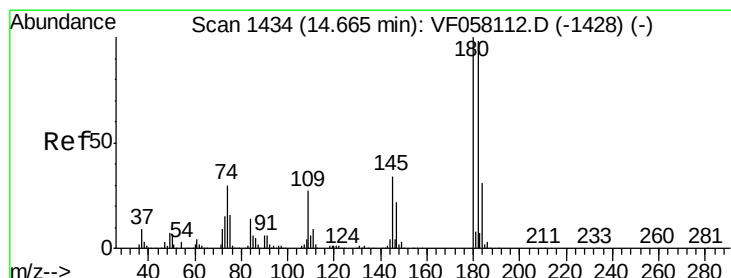
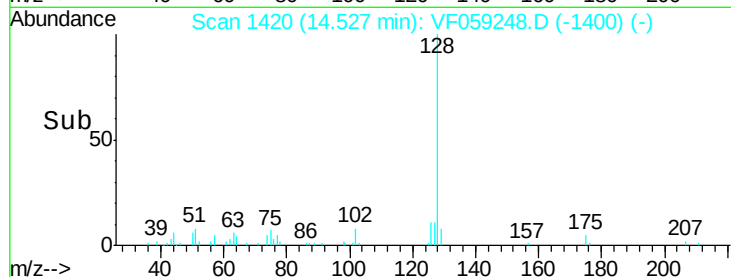
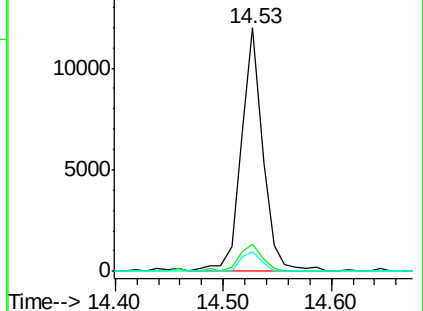
129 8.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.086 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VF059248.D

Acq: 21 Jun 2018 3:00

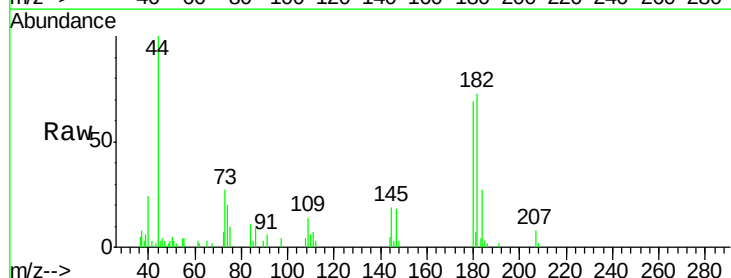
Tgt Ion:180 Resp: 5407

Ion Ratio Lower Upper

180 100

182 105.9 48.9 146.6

145 27.0 17.3 51.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

