

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059523.D
 Acq On : 18 Jul 2018 20:21
 Operator : VA/AP
 Sample : J3826-03RE
 Misc : 5.99g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 19 01:35:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	233617	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.75	114	367757	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	308767	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	130739	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	182637	50.27	ug/l	-0.03
Spiked Amount			Recovery	=	100.54%	
35) Dibromofluoromethane	4.28	113	152883	48.00	ug/l	-0.03
Spiked Amount			Recovery	=	96.00%	
50) Toluene-d8	7.70	98	283691	35.36	ug/l	-0.03
Spiked Amount			Recovery	=	70.72%	
62) 4-Bromofluorobenzene	11.50	95	134537	31.97	ug/l	-0.02
Spiked Amount			Recovery	=	63.94%	

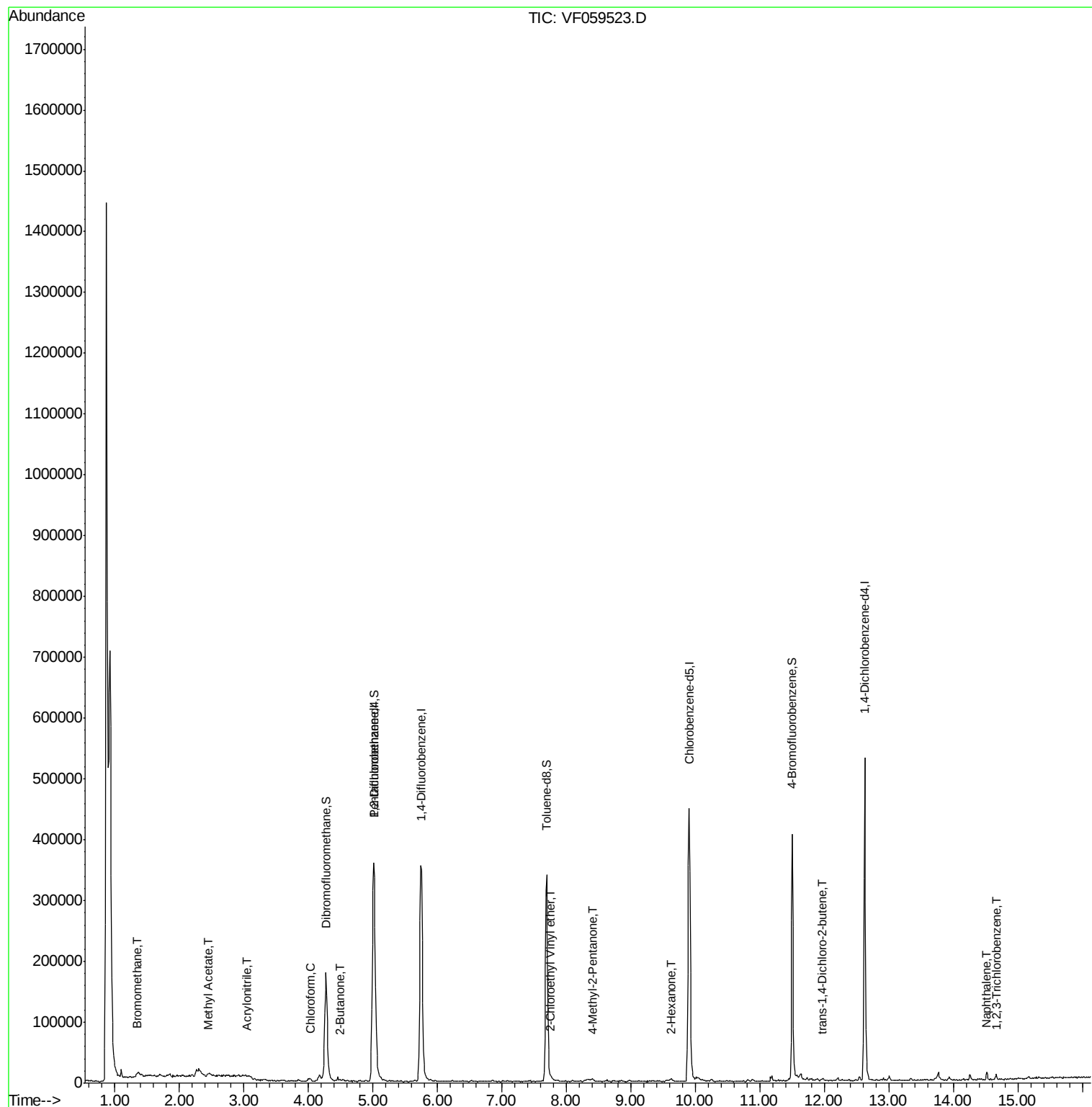
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.34	94	1179	1.071	ug/l #	3
11) Tert butyl alcohol	2.68	59	955	Below Cal	#	74
13) Acrolein	2.12	56	381	Below Cal	#	56
15) Acrylonitrile	3.05	53	1298	4.258	ug/l #	65
16) Acetone	2.34	43	4446	Below Cal		97
18) Methyl Acetate	2.44	43	4934	1.516	ug/l	94
20) Methylene Chloride	2.26	84	3741	Below Cal	#	85
25) 2-Butanone	4.49	43	2615	3.100	ug/l #	60
29) Tetrahydrofuran	4.25	42	1085	Below Cal	#	54
30) Chloroform	4.03	83	5899	1.079	ug/l	90
37) Ethyl Acetate	4.29	43	328	Below Cal	#	41
49) 1,4-Dioxane	6.85	88	130	Below Cal	#	15
51) 4-Methyl-2-Pentanone	8.40	43	3300	1.760	ug/l #	65
58) 2-Chloroethyl Vinyl ether	7.77	63	265	1.206	ug/l	100
59) 2-Hexanone	9.63	43	3835	2.706	ug/l	66
81) trans-1,4-Dichloro-2-buten	11.96	75	807	1.202	ug/l #	6
95) Naphthalene	14.52	128	7644	1.596	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.67	180	2382	1.144	ug/l	86

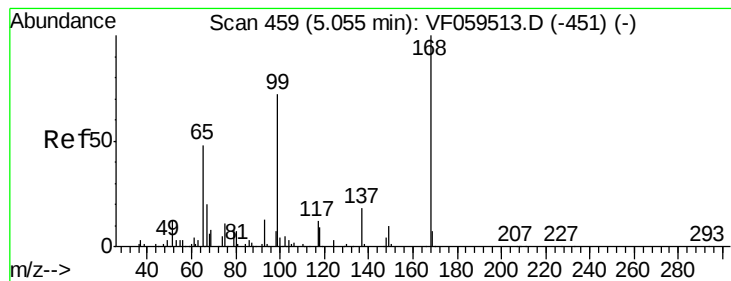
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071818\
Data File : VF059523.D
Acq On : 18 Jul 2018 20:21
Operator : VA/AP
Sample : J3826-03RE
Misc : 5.99µ/5mL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 19 01:35:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF059523.D

Acq: 18 Jul 2018 20:21

Instrument :

MSVOA_F

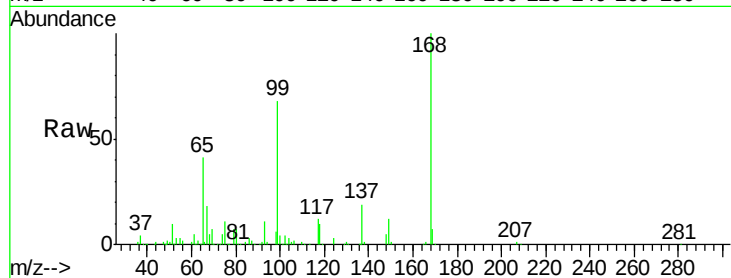
ClientSampleId :

Tot Ion:168 Resp: 233617

Ion Ratio Lower Upper

168 100

99 67.9 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

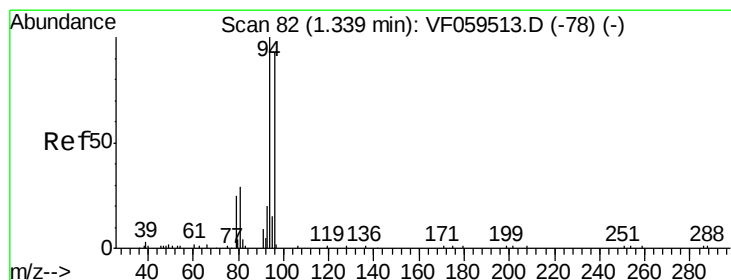
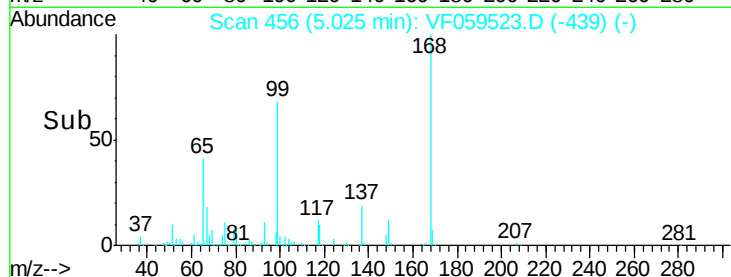
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#5

Bromomethane

Concen: 1.071 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059523.D

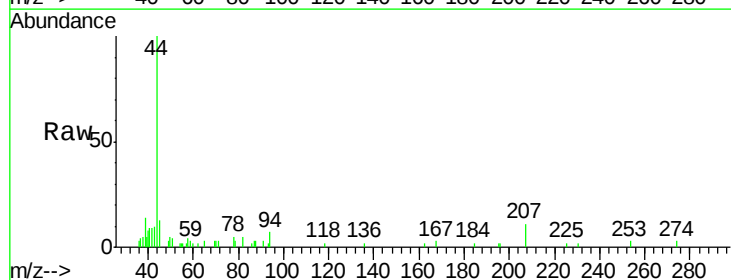
Acq: 18 Jul 2018 20:21

Tgt Ion: 94 Resp: 1179

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.34

400

300

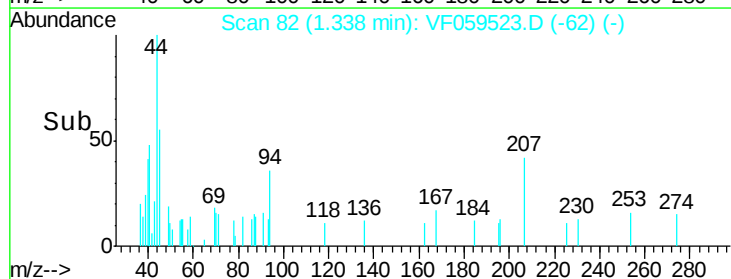
200

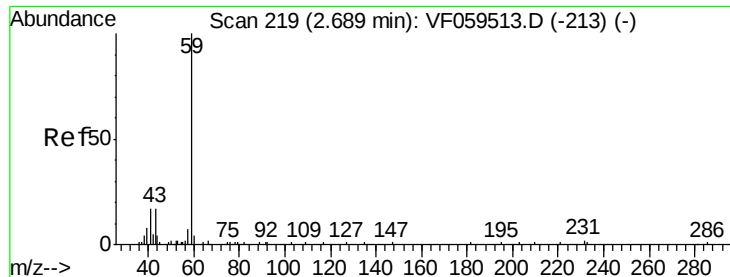
100

0

Time-->

1.25 1.30 1.35 1.40



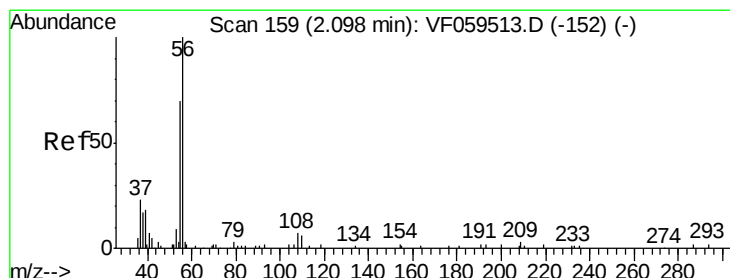
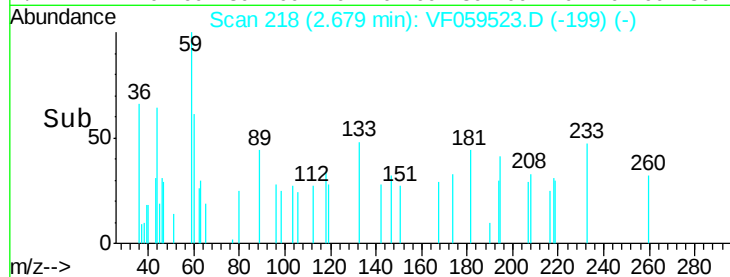
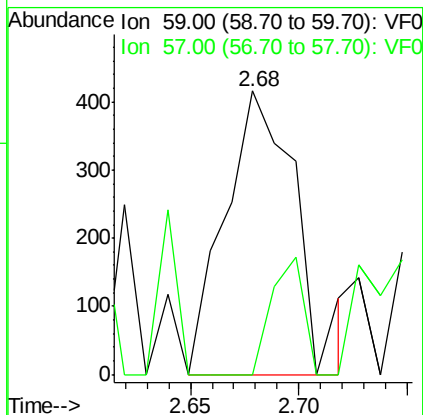
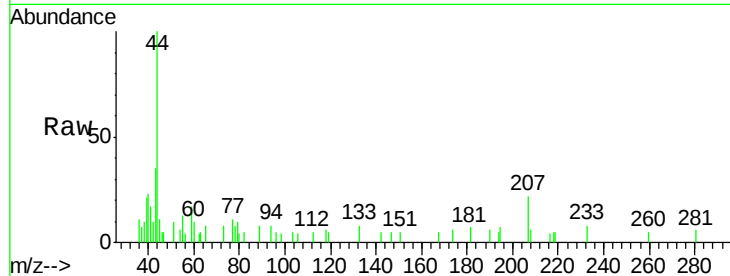


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 2.68 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VF059523.D
 Acq: 18 Jul 2018 20:21

Instrument :
 MSVOA_F
 ClientSampleId :

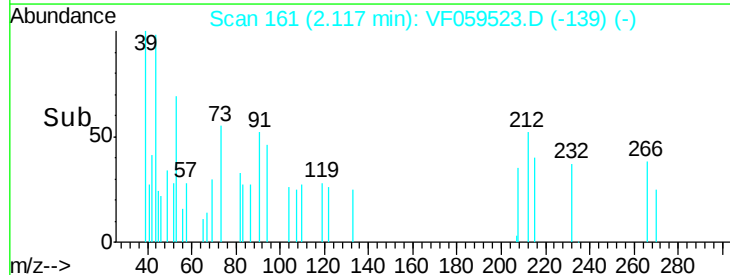
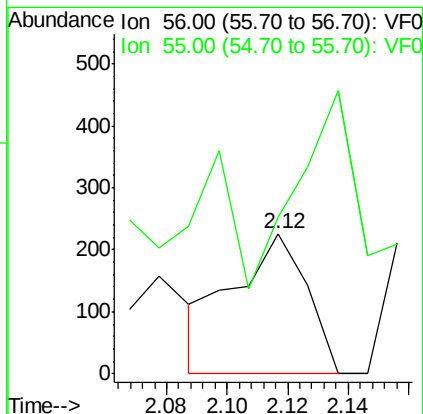
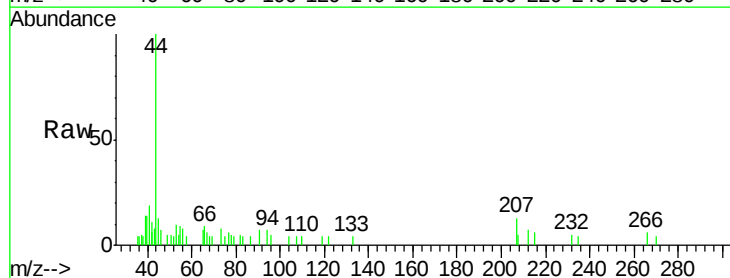
Tot Ion: 59 Resp: 955
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

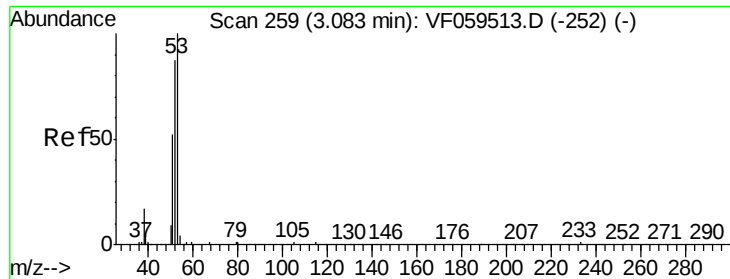


#13

Acrolein
 Concen: Below Cal
 RT: 2.12 min Scan# 161
 Delta R.T. 0.02 min
 Lab File: VF059523.D
 Acq: 18 Jul 2018 20:21

Tgt Ion: 56 Resp: 381
 Ion Ratio Lower Upper
 56 100
 55 111.9 59.4 89.2#

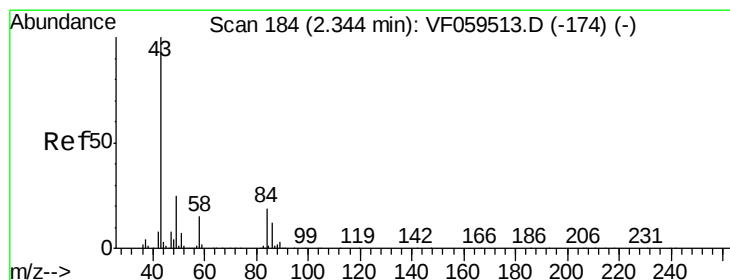
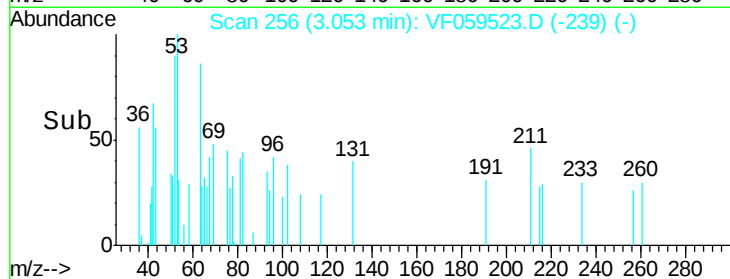
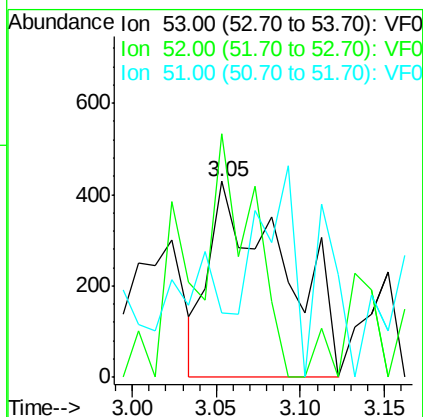
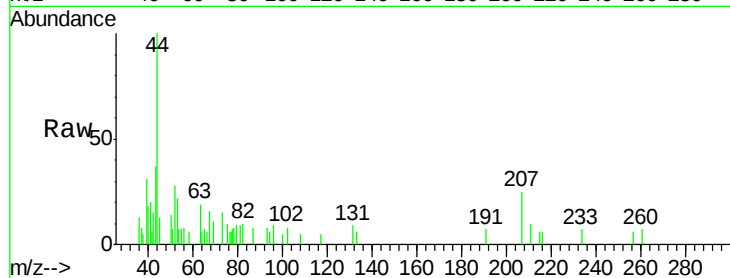




#15
 Acrylonitrile
 Concen: 4.258 ug/l
 RT: 3.05 min Scan# 256
 Delta R.T. -0.03 min
 Lab File: VF059523.D
 Acq: 18 Jul 2018 20:21

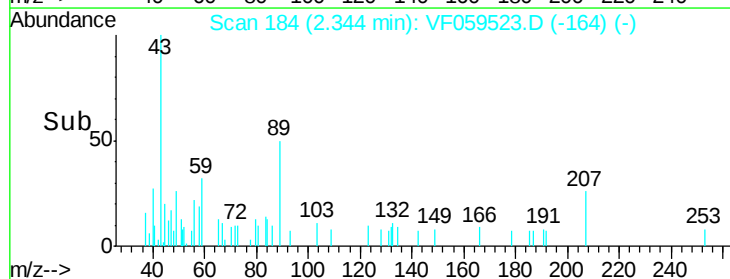
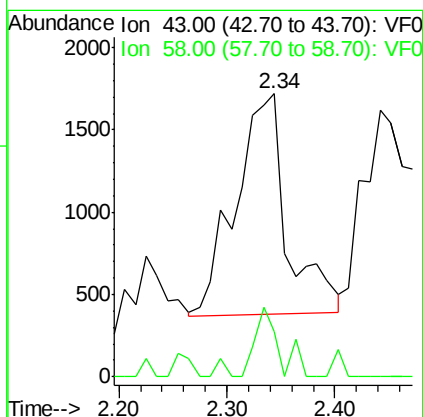
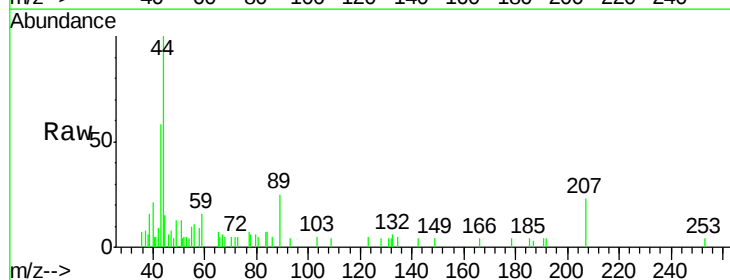
Instrument :
 MSVOA_F
 ClientSampleID :

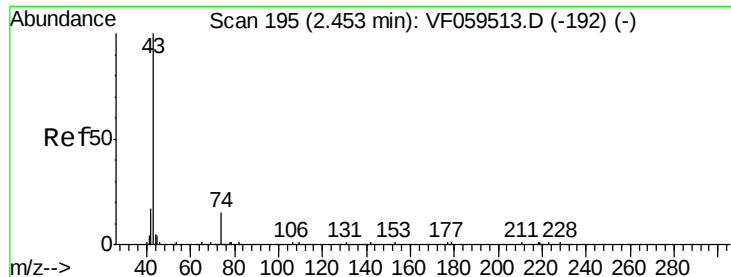
Tot Ion: 53 Resp: 1298
 Ion Ratio Lower Upper
 53 100
 52 124.2 70.1 105.1#
 51 32.9 42.5 63.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.34 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VF059523.D
 Acq: 18 Jul 2018 20:21

Tgt Ion: 43 Resp: 4446
 Ion Ratio Lower Upper
 43 100
 58 16.1 11.8 17.6

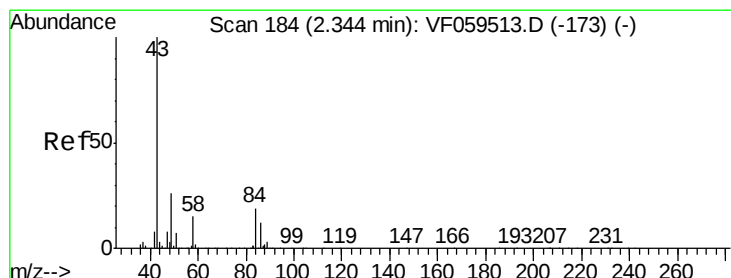
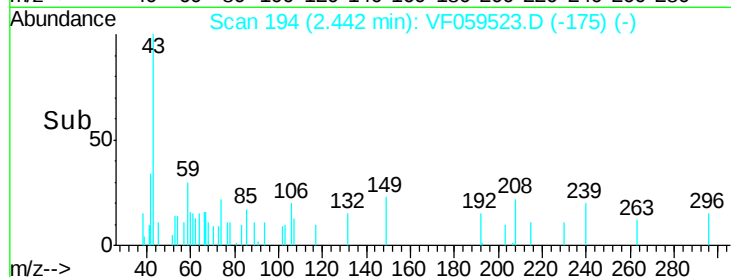
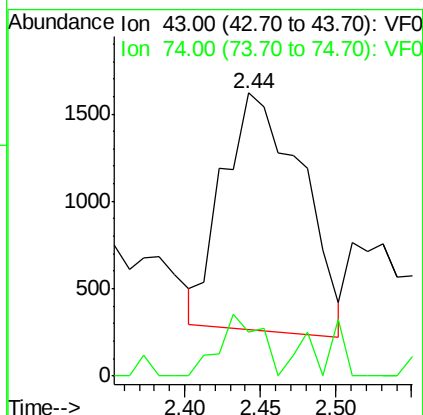
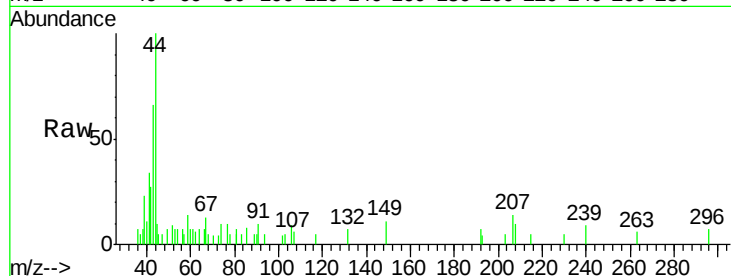




#18
Methyl Acetate
Concen: 1.516 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059523.D
Acq: 18 Jul 2018 20:21

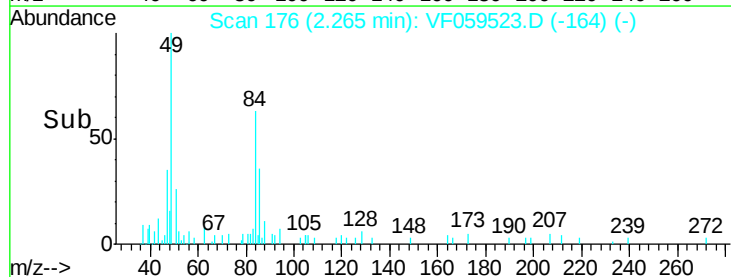
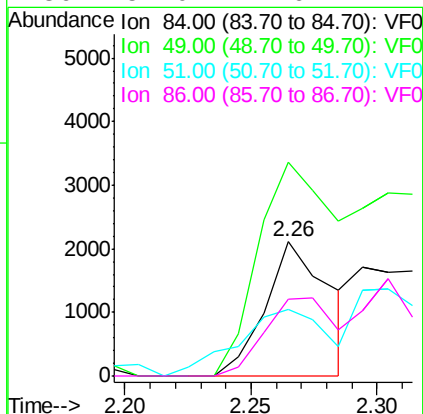
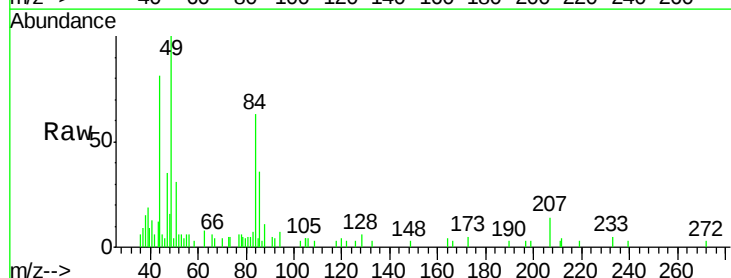
Instrument :
MSVOA_F
ClientSampleId :

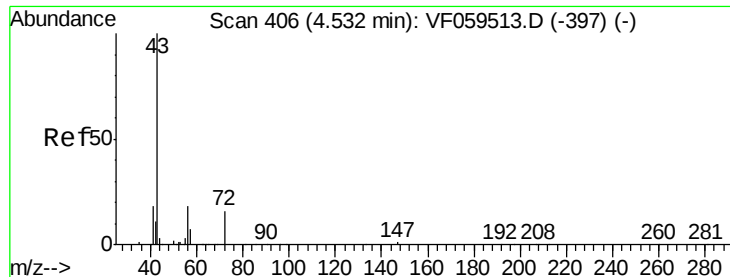
Tot Ion: 43 Resp: 4934
Ion Ratio Lower Upper
43 100
74 15.6 10.6 15.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 176
Delta R.T. -0.08 min
Lab File: VF059523.D
Acq: 18 Jul 2018 20:21

Tgt Ion: 84 Resp: 3741
Ion Ratio Lower Upper
84 100
49 159.3 109.4 164.2
51 50.1 30.5 45.7#
86 57.0 47.6 71.4





#25

2-Butanone

Concen: 3.100 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.04 min

Lab File: VF059523.D

Acq: 18 Jul 2018 20:21

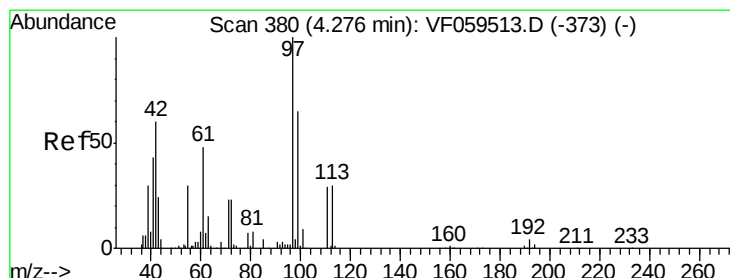
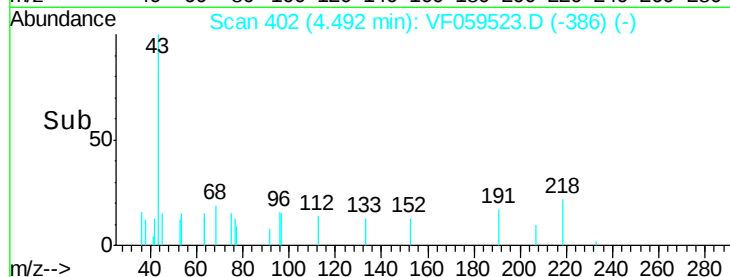
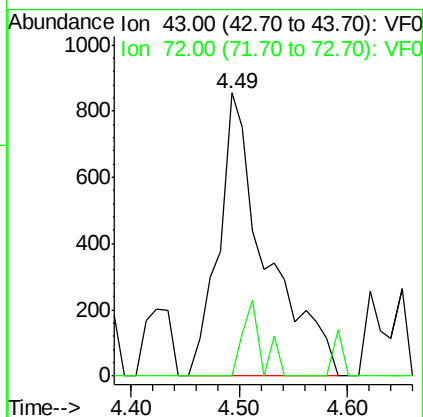
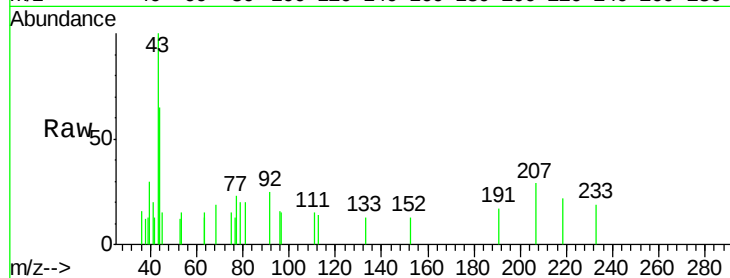
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 2615

Ion Ratio Lower Upper

43 100

72 0.0 14.2 21.4#



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.25 min Scan# 377

Delta R.T. -0.03 min

Lab File: VF059523.D

Acq: 18 Jul 2018 20:21

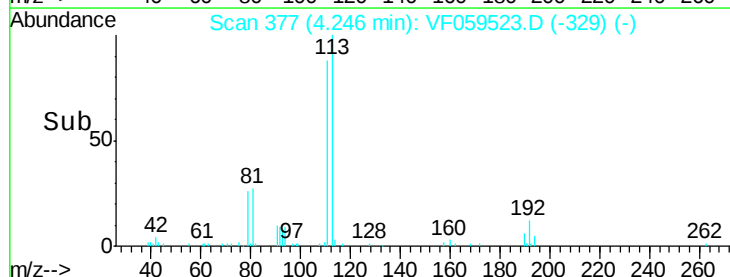
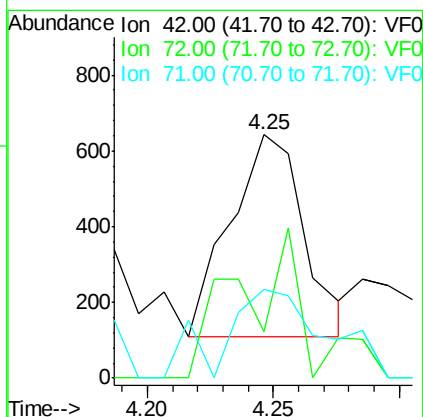
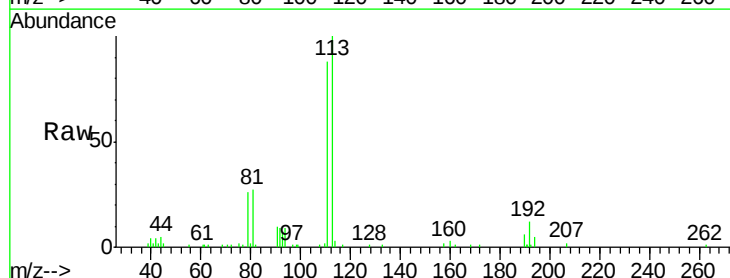
Tgt Ion: 42 Resp: 1085

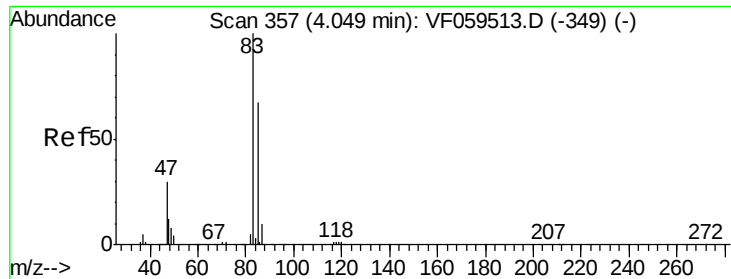
Ion Ratio Lower Upper

42 100

72 68.0 28.7 43.1#

71 61.3 30.8 46.2#

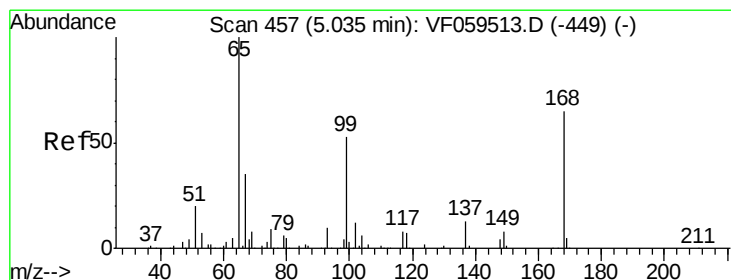
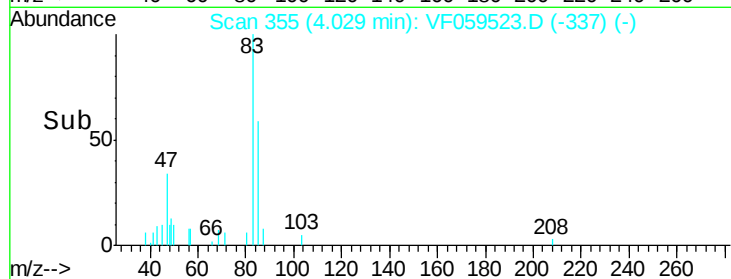
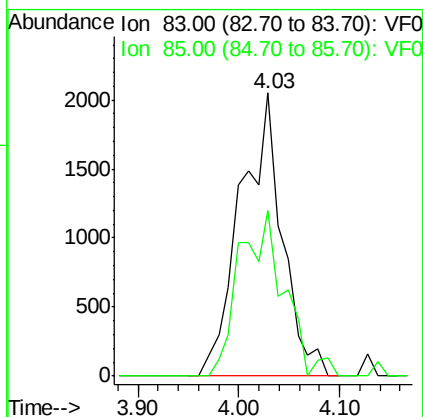
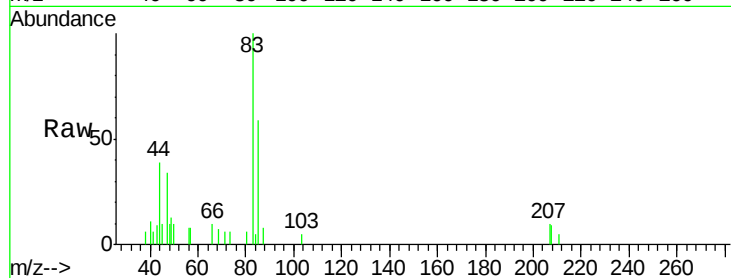




#30
Chloroform
Concen: 1.079 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF059523.D
Acq: 18 Jul 2018 20:21

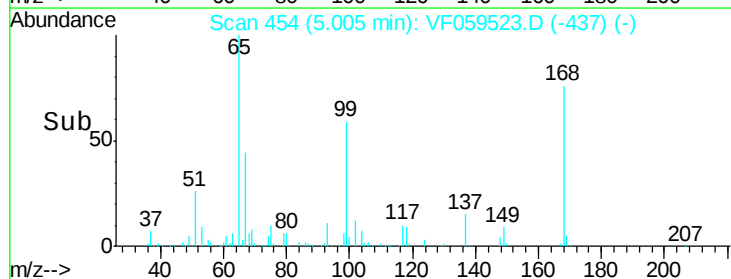
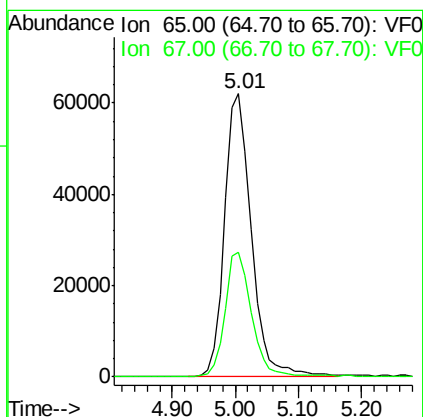
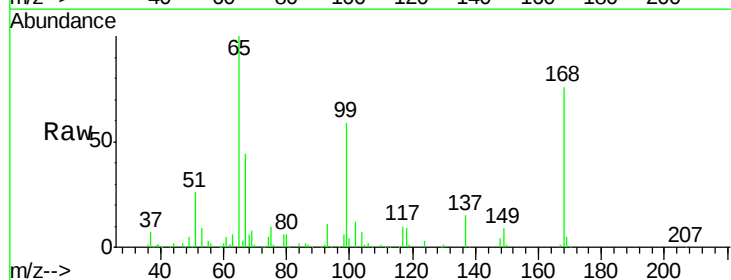
Instrument :
MSVOA_F
ClientSampleId :

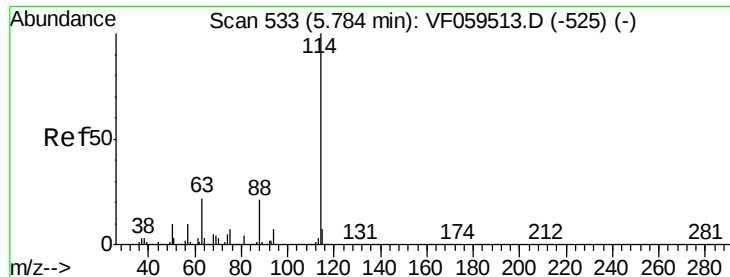
Tot Ion: 83 Resp: 5899
Ion Ratio Lower Upper
83 100
85 58.5 53.2 79.8



#33
1,2-Dichloroethane-d4
Concen: 50.267 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.03 min
Lab File: VF059523.D
Acq: 18 Jul 2018 20:21

Tgt Ion: 65 Resp: 182637
Ion Ratio Lower Upper
65 100
67 44.0 0.0 91.2

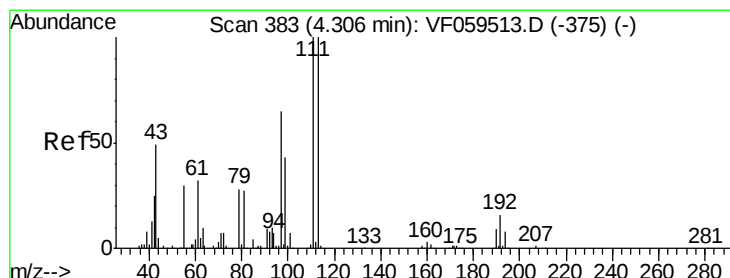
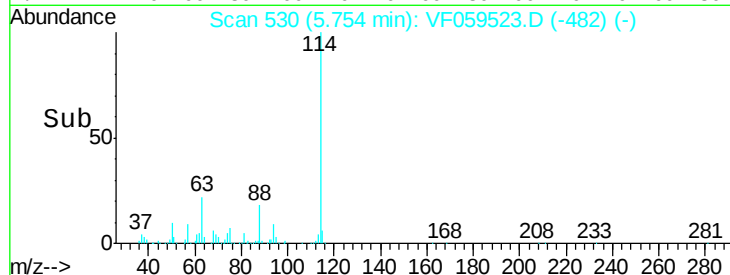
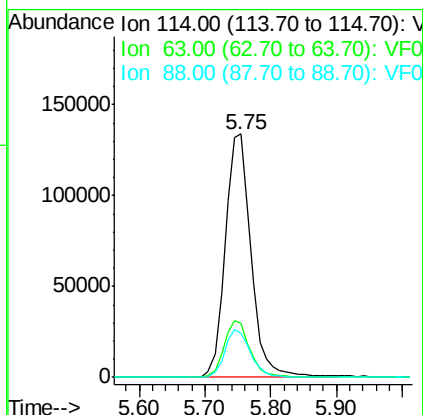
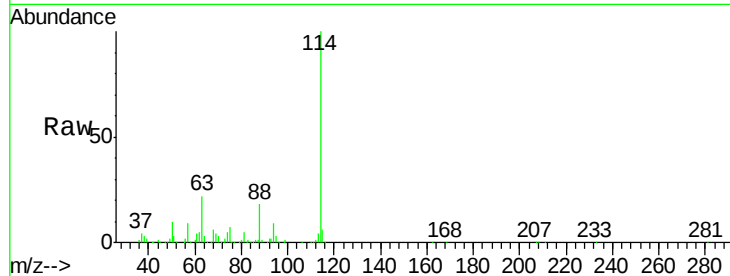




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF059523.D
 Acq: 18 Jul 2018 20:21

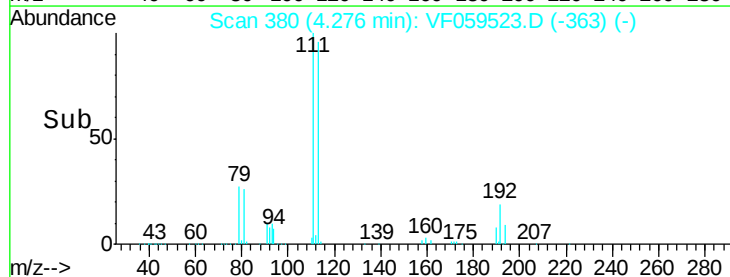
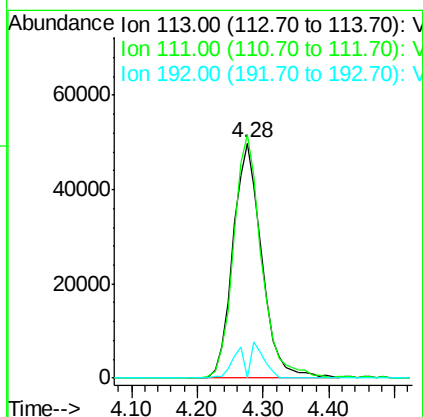
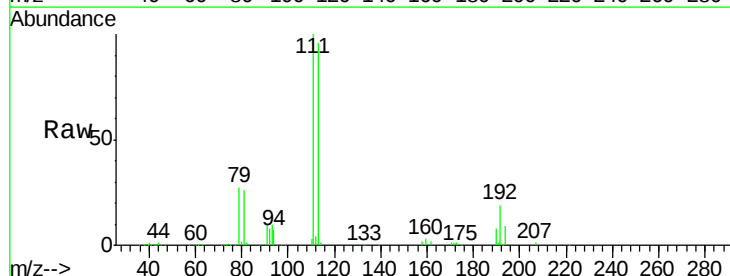
Instrument :
 MSVOA_F
 ClientSampleId :

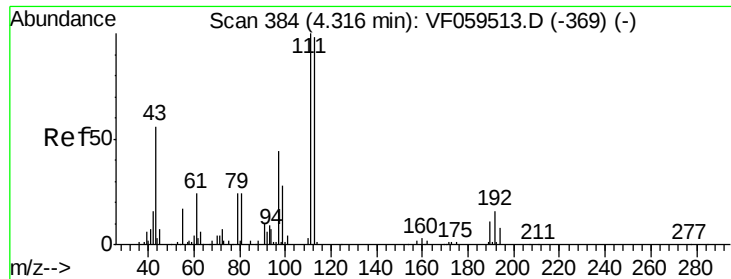
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.8
88	18.1	0.0	42.6



#35
 Dibromofluoromethane
 Concen: 48.000 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.03 min
 Lab File: VF059523.D
 Acq: 18 Jul 2018 20:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.3	120.5
192	0.0	13.1	19.7#

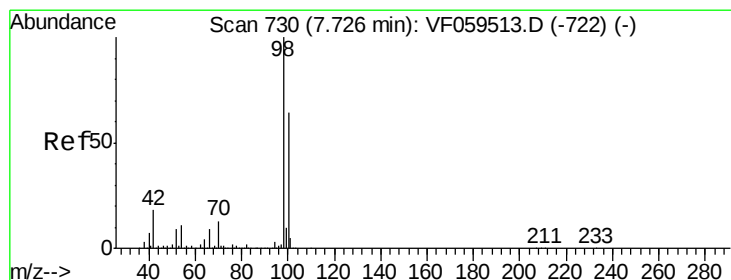
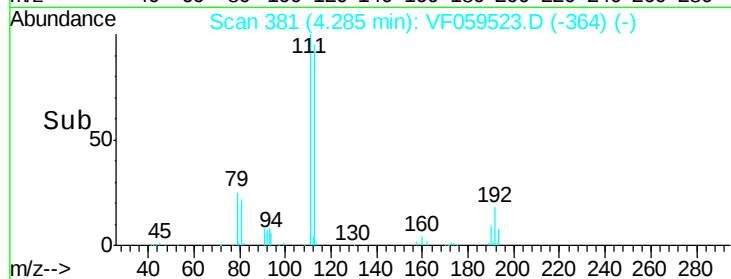
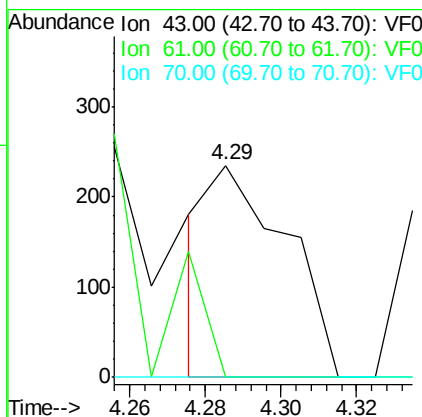
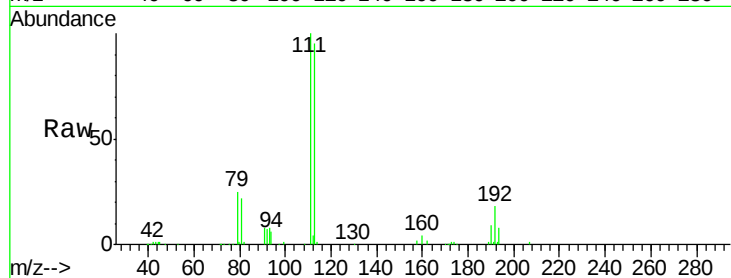




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 381
Delta R.T. -0.03 min
Lab File: VF059523.D
Acq: 18 Jul 2018 20:21

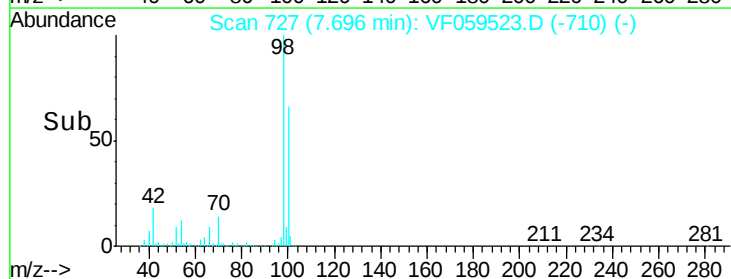
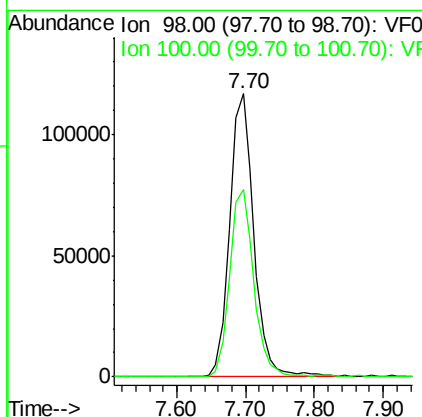
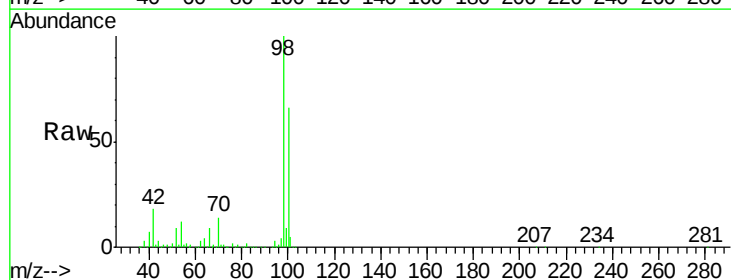
Instrument :
MSVOA_F
ClientSampleId :

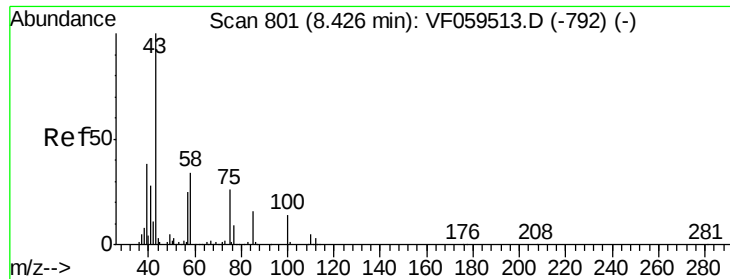
Tot Ion: 43 Resp: 328
Ion Ratio Lower Upper
43 100
61 0.0 33.7 50.5#
70 0.0 7.4 11.0#



#50
Toluene-d8
Concen: 35.360 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF059523.D
Acq: 18 Jul 2018 20:21

Tgt Ion: 98 Resp: 283691
Ion Ratio Lower Upper
98 100
100 66.4 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.760 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059523.D

Acq: 18 Jul 2018 20:21

Instrument :

MSVOA_F

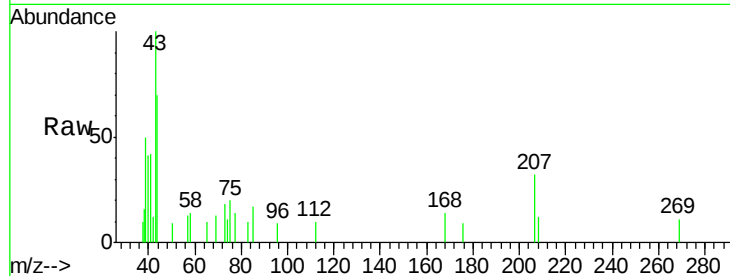
ClientSampled :

Tot Ion: 43 Resp: 3300

Ion Ratio Lower Upper

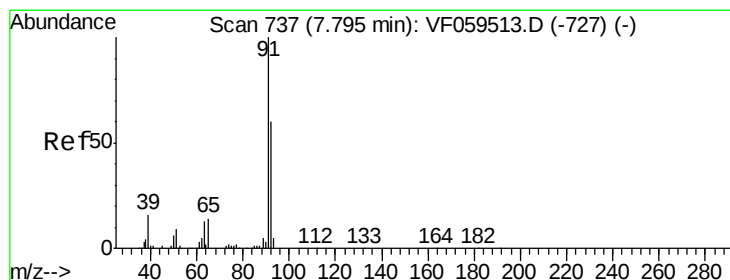
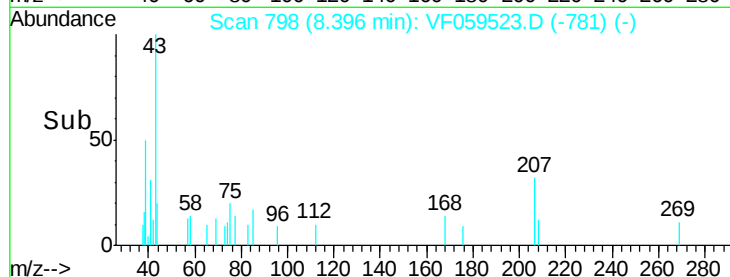
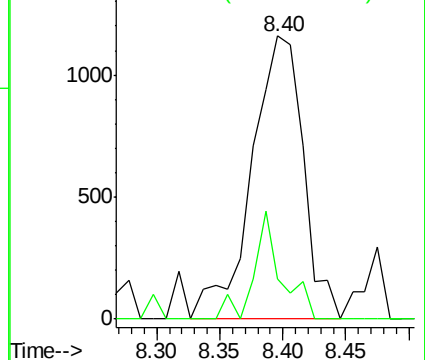
43 100

58 14.1 27.4 41.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.206 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059523.D

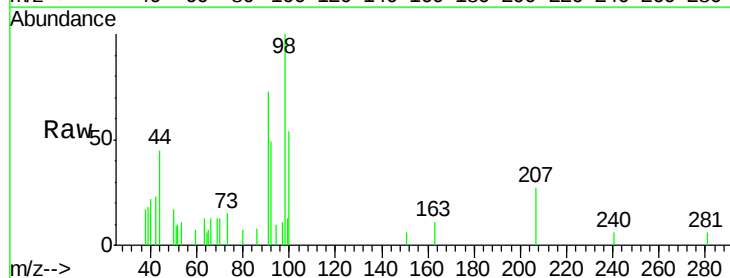
Acq: 18 Jul 2018 20:21

Tgt Ion: 63 Resp: 265

Ion Ratio Lower Upper

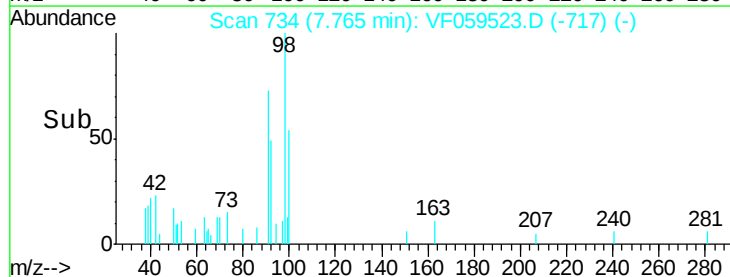
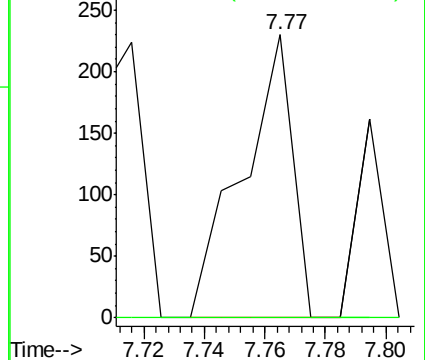
63 100

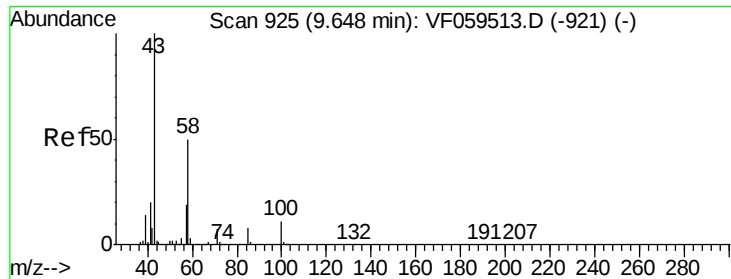
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

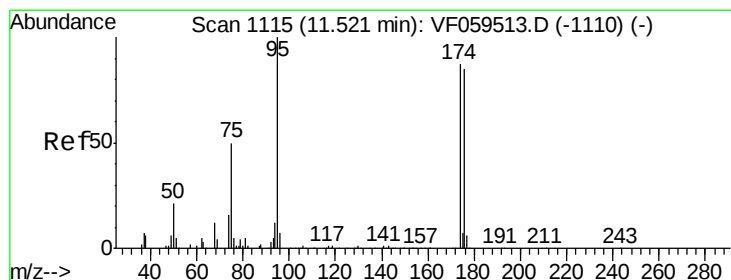
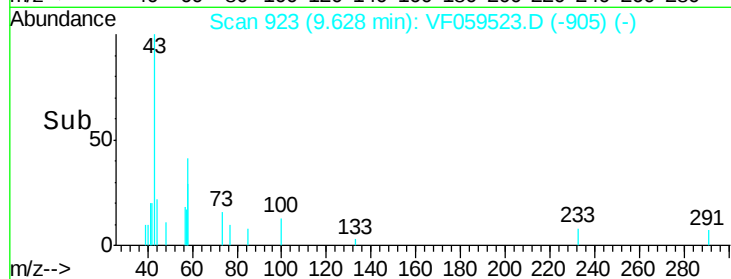
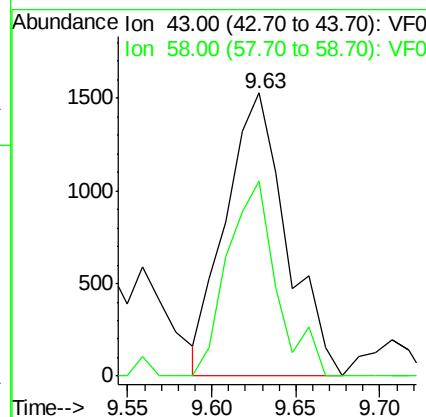
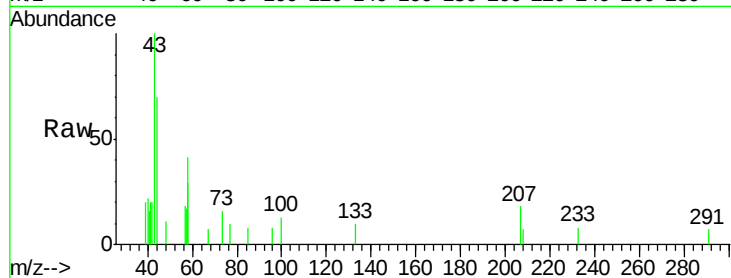




#59
2-Hexanone
Concen: 2.706 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.02 min
Lab File: VF059523.D
Acq: 18 Jul 2018 20:21

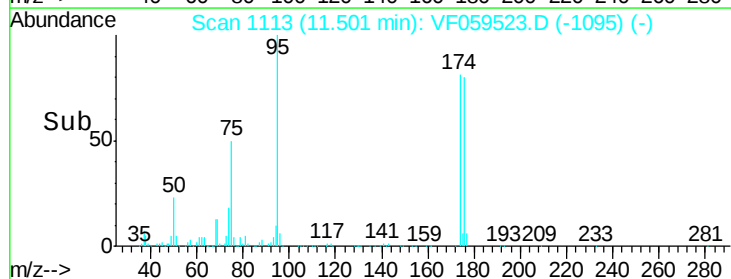
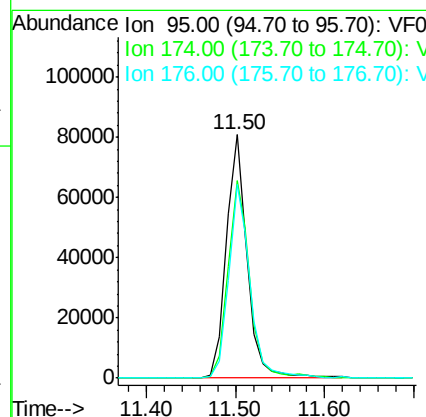
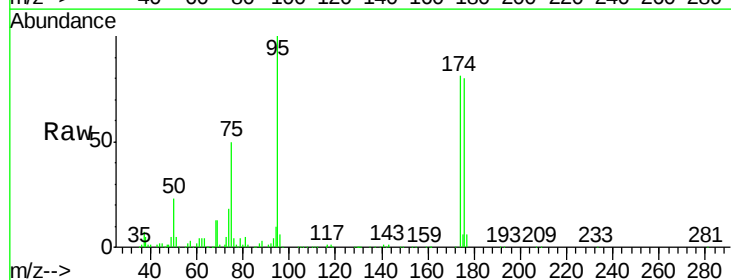
Instrument :
MSVOA_F
ClientSampleId :

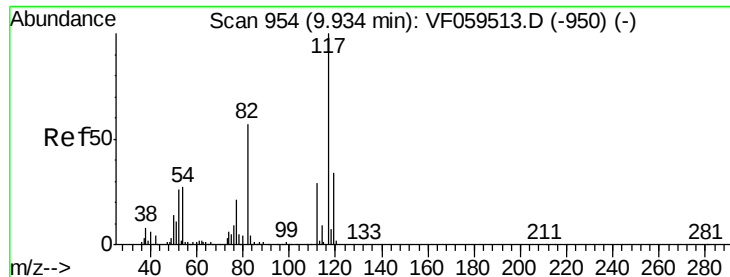
Tot Ion: 43 Resp: 3835
Ion Ratio Lower Upper
43 100
58 69.0 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 31.965 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VF059523.D
Acq: 18 Jul 2018 20:21

Tgt Ion: 95 Resp: 134537
Ion Ratio Lower Upper
95 100
174 81.0 0.0 174.4
176 79.6 0.0 169.4

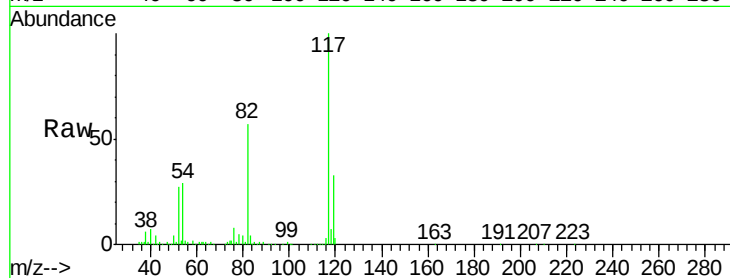




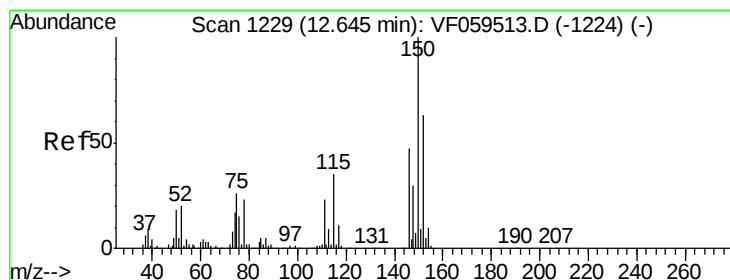
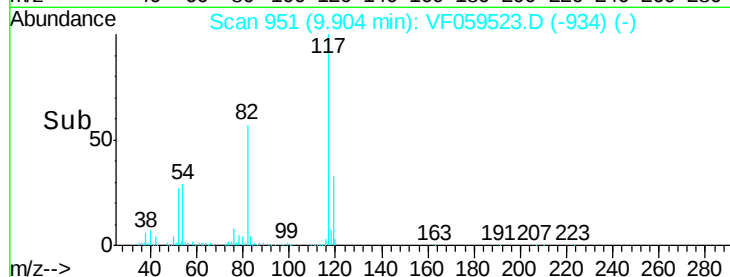
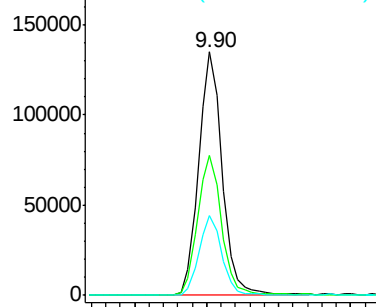
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059523.D
Acq: 18 Jul 2018 20:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 308767
Ion Ratio Lower Upper
117 100
82 57.2 46.1 69.1
119 32.7 27.2 40.8

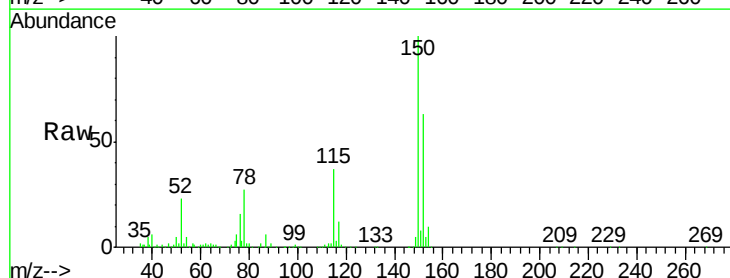


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

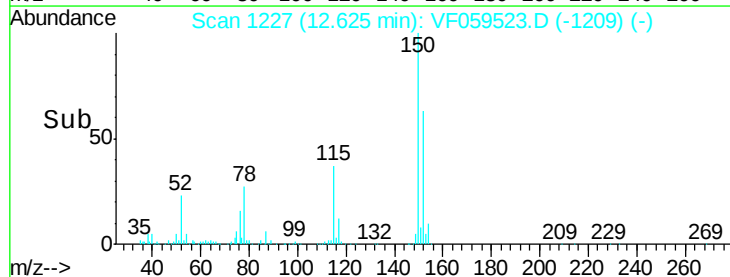
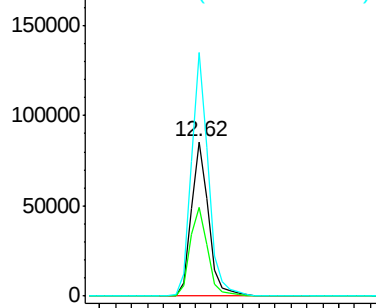


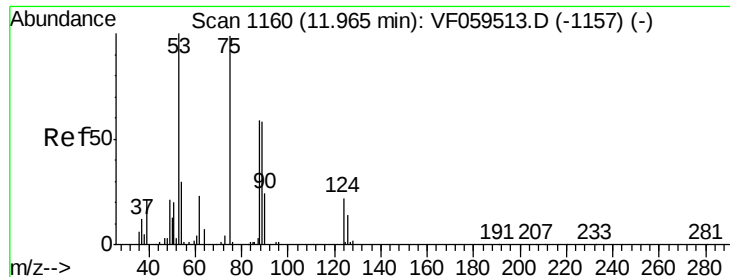
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059523.D
Acq: 18 Jul 2018 20:21

Tgt Ion:152 Resp: 130739
Ion Ratio Lower Upper
152 100
115 57.9 27.8 83.3
150 158.1 0.0 318.4



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

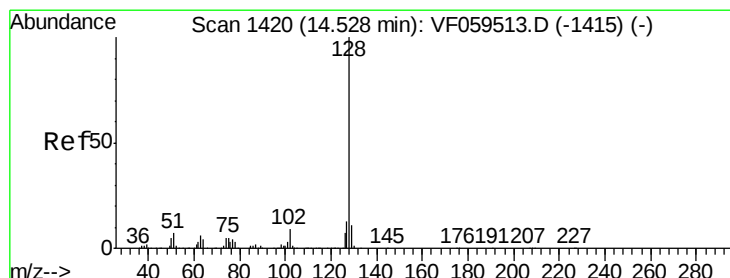
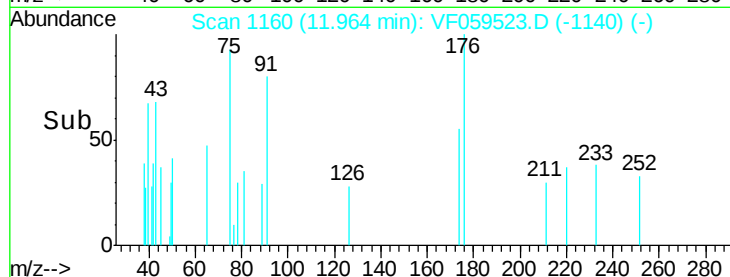
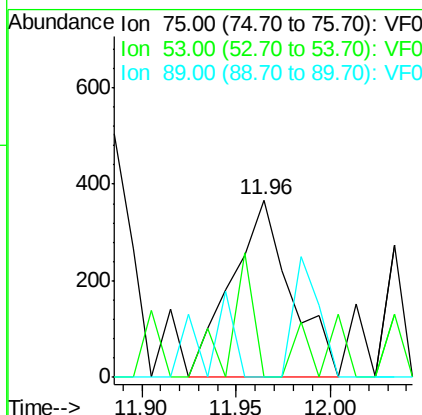
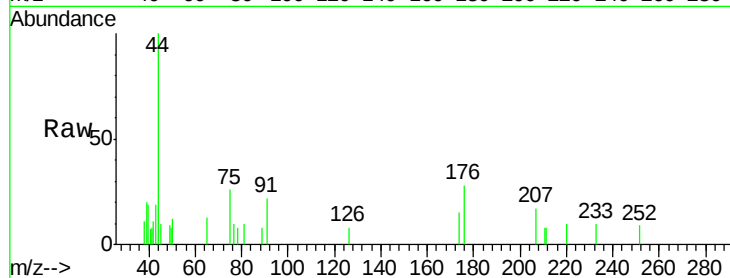




#81
trans-1,4-Dichloro-2-butene
Concen: 1.202 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VF059523.D
Acq: 18 Jul 2018 20:21

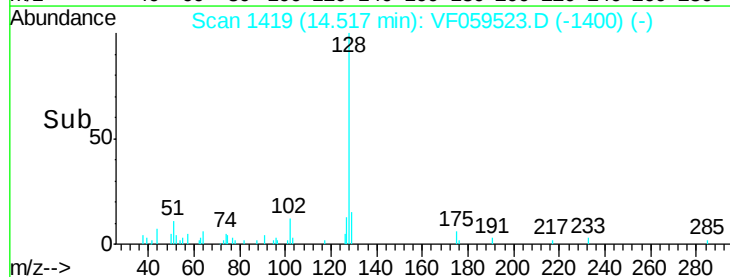
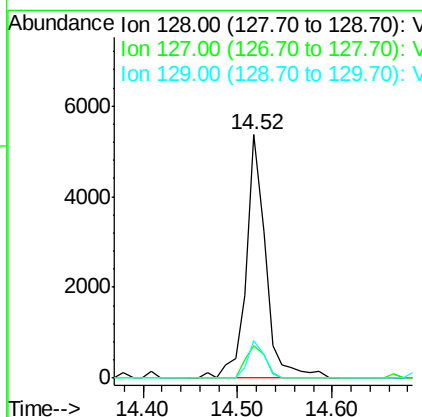
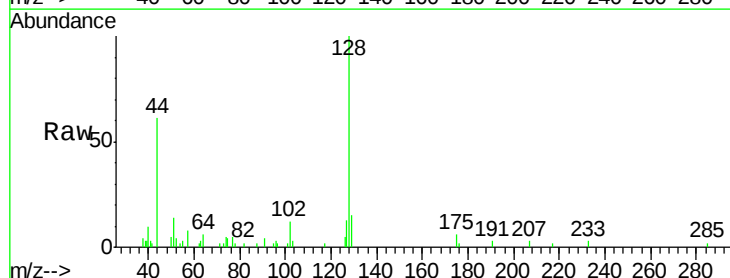
Instrument :
MSVOA_F
ClientSampleId :

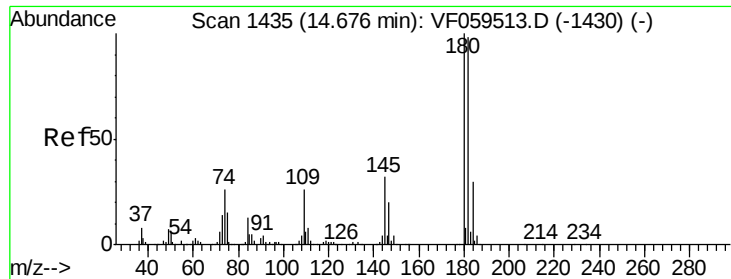
Tot Ion: 75 Resp: 807
Ion Ratio Lower Upper
75 100
53 0.0 84.6 127.0#
89 0.0 48.2 72.4#



#95
Naphthalene
Concen: 1.596 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059523.D
Acq: 18 Jul 2018 20:21

Tgt Ion: 128 Resp: 7644
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.2
129 15.3 9.0 13.4#

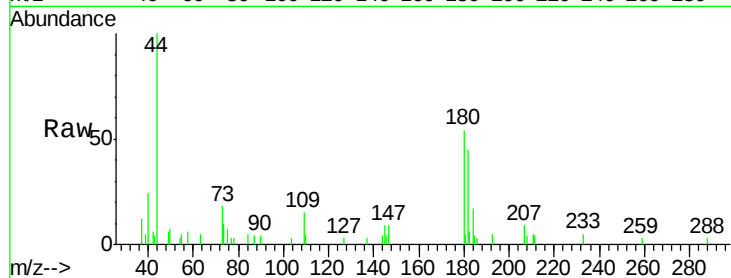




#96
 1,2,3-Trichlorobenzene
 Concen: 1.144 ug/l
 RT: 14.67 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VF059523.D
 Acq: 18 Jul 2018 20:21

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.7	48.8	146.4
145	22.4	16.2	48.6



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

