

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059538.D
 Acq On : 19 Jul 2018 3:12
 Operator : VA/AP
 Sample : J3991-02
 Misc : 5.82g/5mL/MSVOA F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 19 05:55:19 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	5.03	168	218757	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	326245	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	350064	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	221611	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	178657	52.51	ug/l	-0.02
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	4.28	113	146207	51.74	ug/l	-0.02
Spiked Amount			Recovery	=	103.48%	
50) Toluene-d8	7.70	98	312937	43.97	ug/l	-0.02
Spiked Amount			Recovery	=	87.94%	
62) 4-Bromofluorobenzene	11.51	95	185300	49.63	ug/l	-0.01
Spiked Amount			Recovery	=	99.26%	

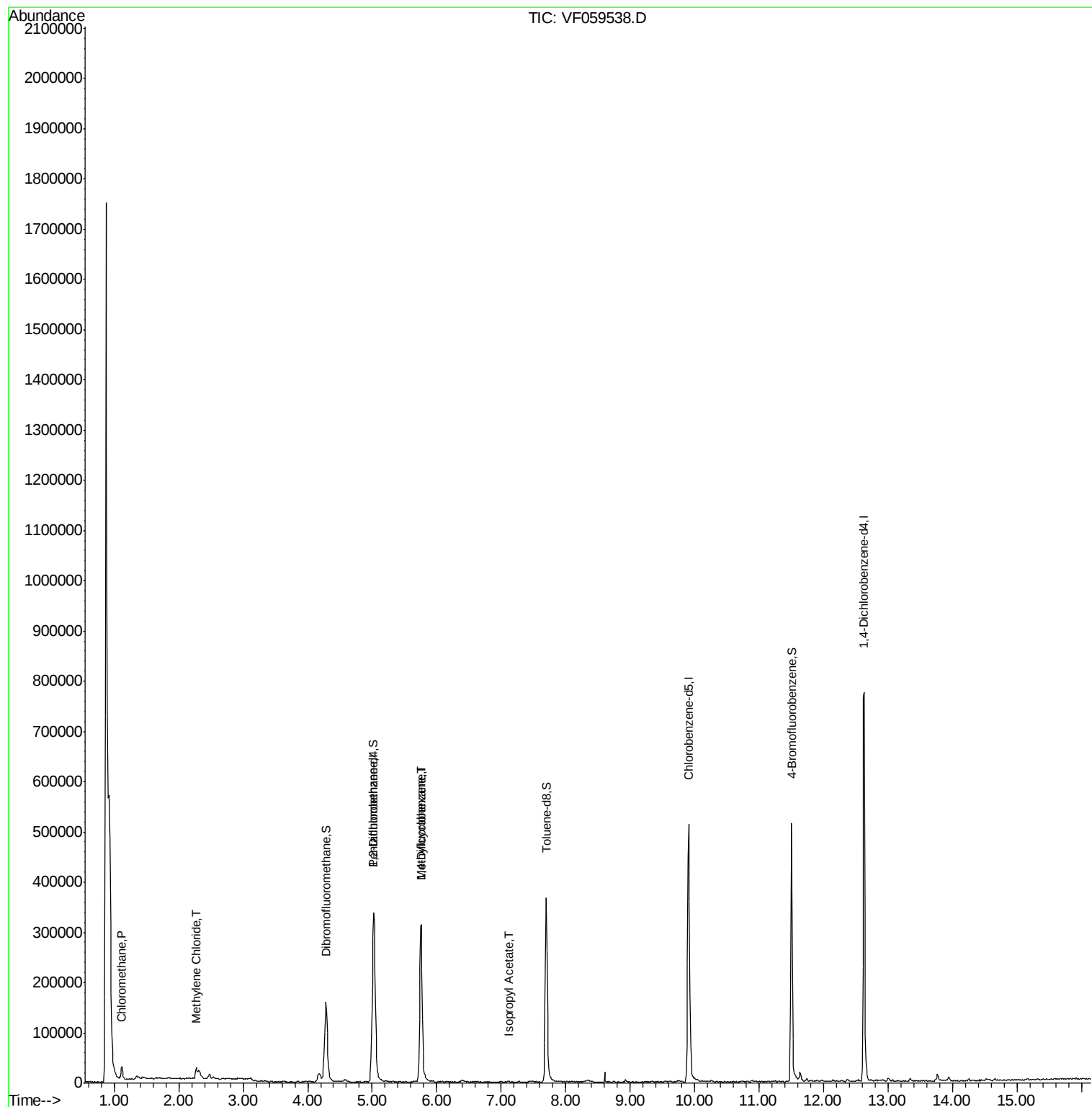
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.11	50	1488	1.009	ug/l #	74
11) Tert butyl alcohol	2.68	59	560	Below Cal	#	74
13) Acrolein	2.08	56	176	Below Cal		90
16) Acetone	2.33	43	7365	Below Cal		98
18) Methyl Acetate	2.41	43	519	Below Cal	#	67
20) Methylene Chloride	2.27	84	15571	6.122	ug/l #	88
29) Tetrahydrofuran	4.25	42	1144	Below Cal		92
37) Ethyl Acetate	4.30	43	298	Below Cal	#	17
39) Methylcyclohexane	5.75	83	5319	2.146	ug/l #	38
43) Isopropyl Acetate	7.11	43	3231	1.377	ug/l #	96
49) 1,4-Dioxane	6.68	88	89	Below Cal	#	27

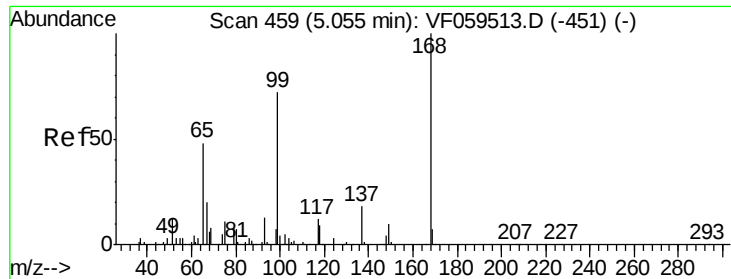
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 19 05:55:19 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: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059538.D

Acq: 19 Jul 2018 3:12

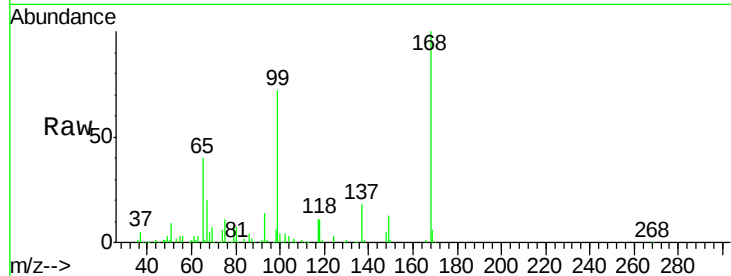
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 218757

Ion Ratio Lower Upper

168 100

99 72.1 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

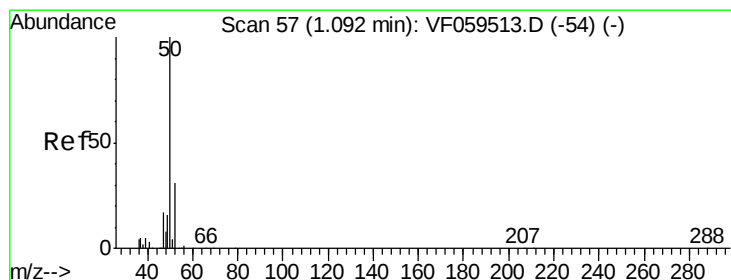
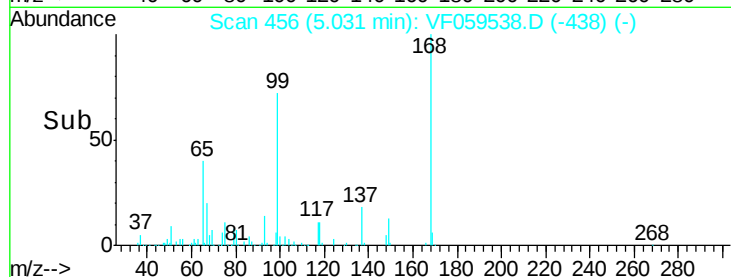
40000

20000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#3

Chloromethane

Concen: 1.009 ug/l

RT: 1.11 min Scan# 58

Delta R.T. 0.02 min

Lab File: VF059538.D

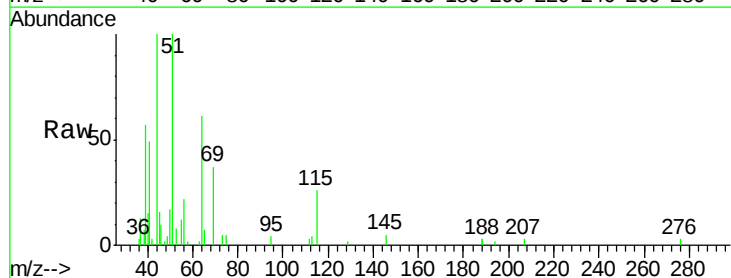
Acq: 19 Jul 2018 3:12

Tgt Ion: 50 Resp: 1488

Ion Ratio Lower Upper

50 100

52 44.8 24.6 37.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.11

800

600

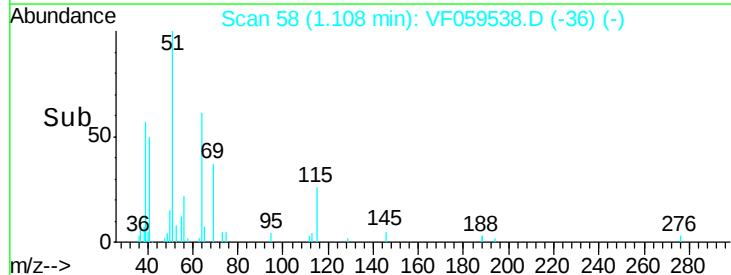
400

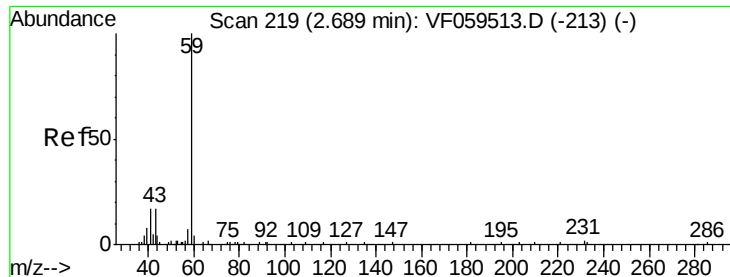
200

0

Time-->

1.05 1.10 1.15



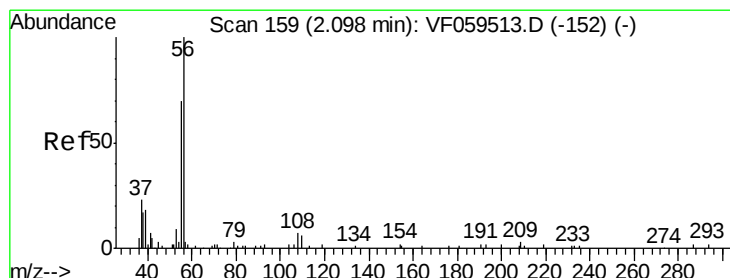
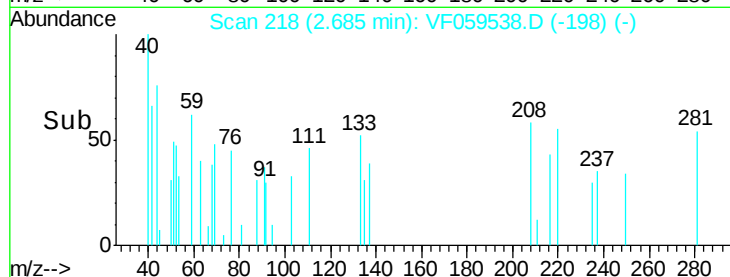
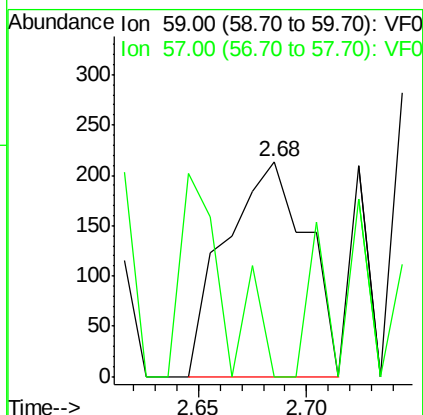
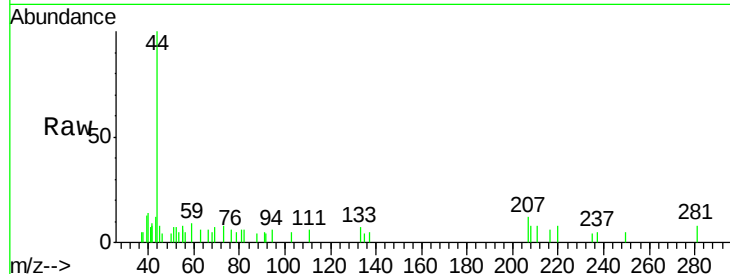


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.68 min Scan# 218
Delta R.T. -0.00 min
Lab File: VF059538.D
Acq: 19 Jul 2018 3:12

Instrument :
MSVOA_F
ClientSampleId :

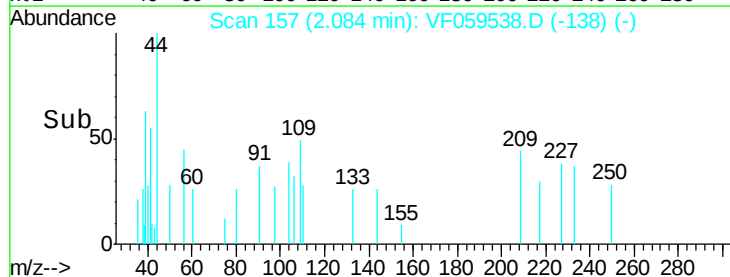
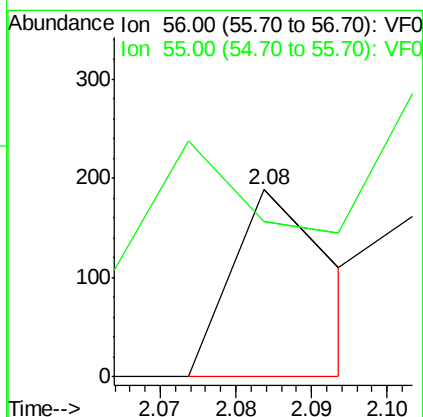
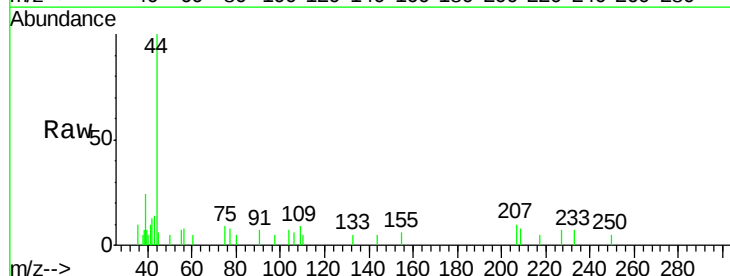
Tot Ion: 59 Resp: 560
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

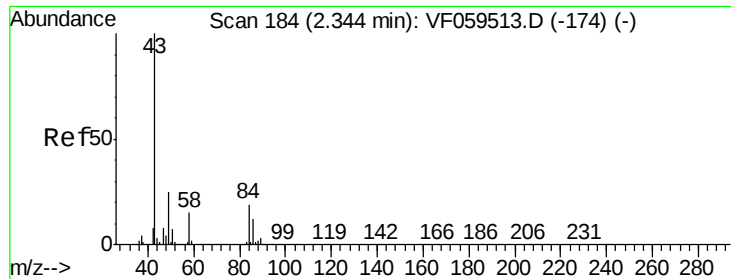


#13

Acrolein
Concen: Below Cal
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF059538.D
Acq: 19 Jul 2018 3:12

Tgt Ion: 56 Resp: 176
Ion Ratio Lower Upper
56 100
55 83.0 59.4 89.2

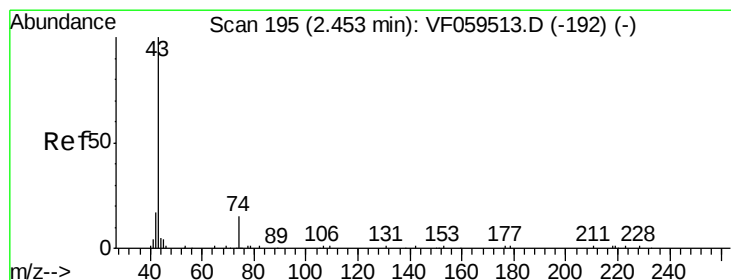
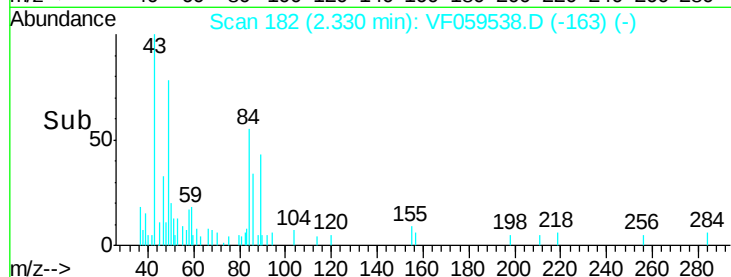
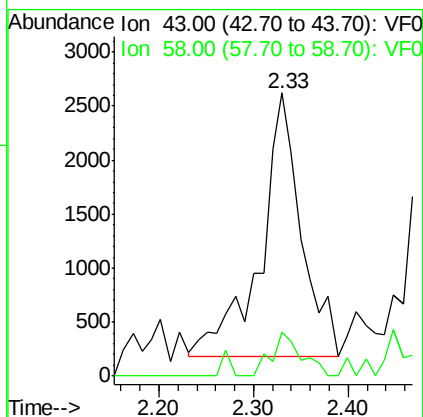
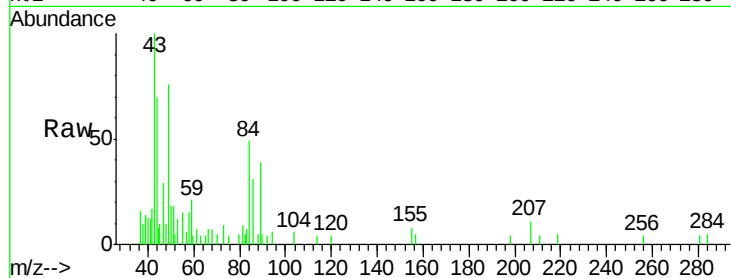




#16
Acetone
Concen: Below Cal
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF059538.D
Acq: 19 Jul 2018 3:12

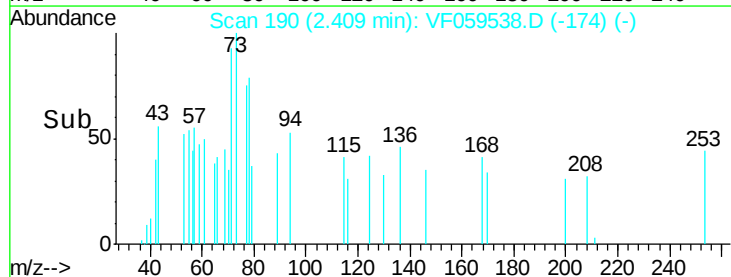
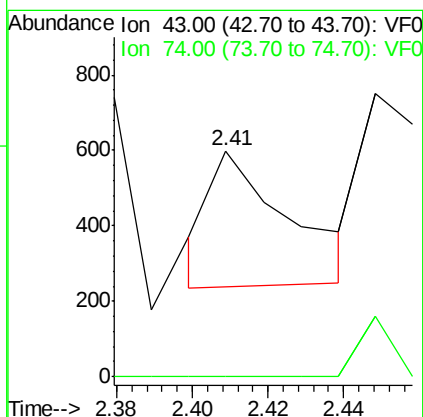
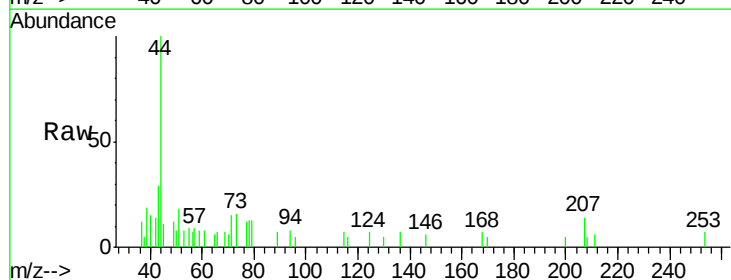
Instrument :
MSVOA_F
ClientSampleId :

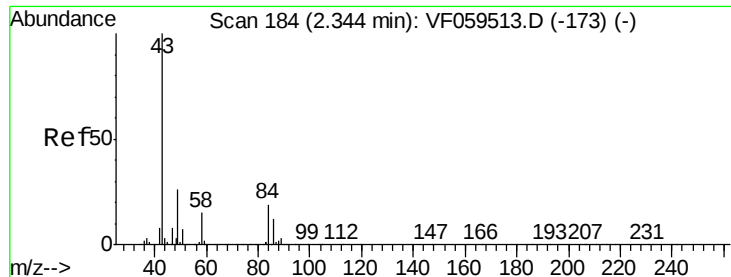
Tot Ion: 43 Resp: 7365
Ion Ratio Lower Upper
43 100
58 15.5 11.8 17.6



#18
Methyl Acetate
Concen: Below Cal
RT: 2.41 min Scan# 190
Delta R.T. -0.04 min
Lab File: VF059538.D
Acq: 19 Jul 2018 3:12

Tgt Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#

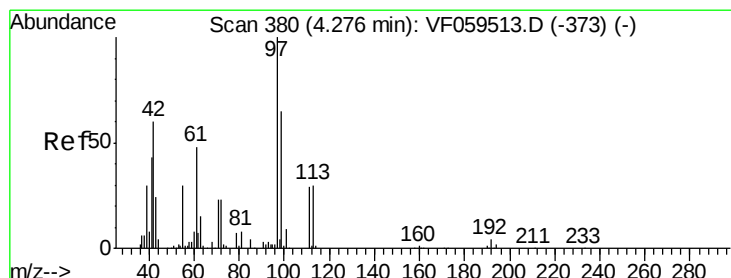
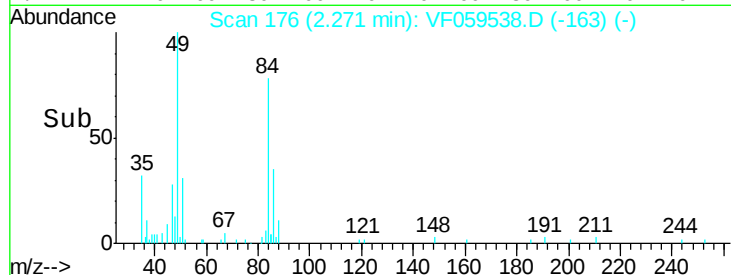
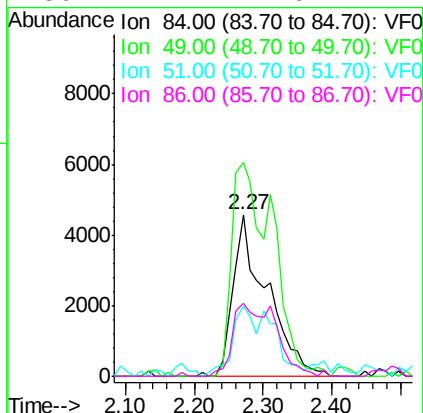
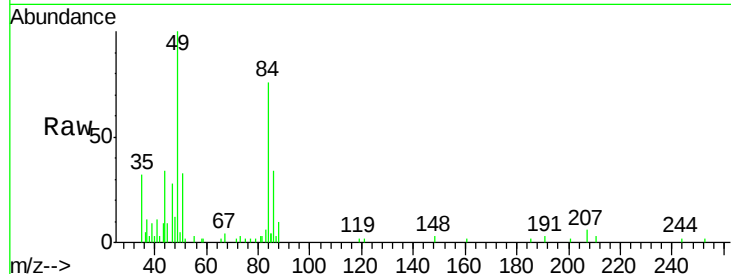




#20
Methylene Chloride
Concen: 6.122 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.07 min
Lab File: VF059538.D
Acq: 19 Jul 2018 3:12

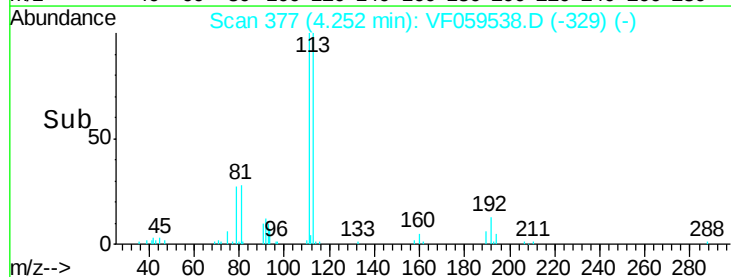
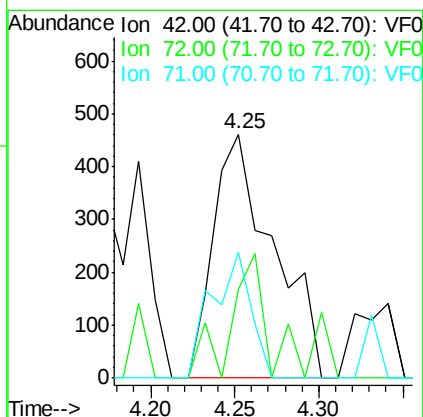
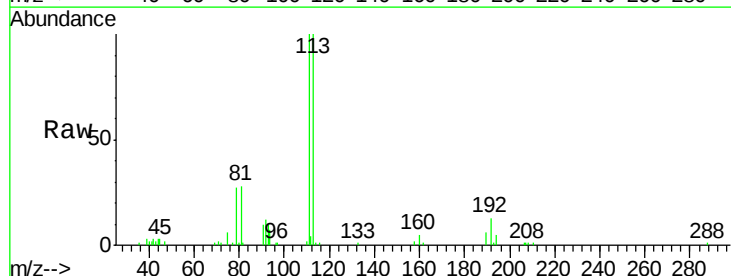
Instrument :
MSVOA_F
ClientSampleId :

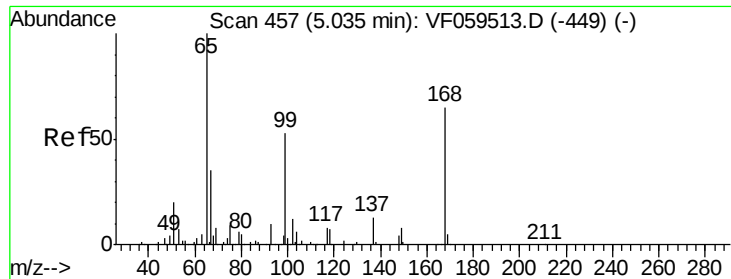
Tot Ion: 84 Resp: 15571
Ion Ratio Lower Upper
84 100
49 125.5 109.4 164.2
51 41.4 30.5 45.7
86 42.7 47.6 71.4#



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.25 min Scan# 377
Delta R.T. -0.02 min
Lab File: VF059538.D
Acq: 19 Jul 2018 3:12

Tgt Ion: 42 Resp: 1144
Ion Ratio Lower Upper
42 100
72 31.6 28.7 43.1
71 33.3 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 52.512 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059538.D

Acq: 19 Jul 2018 3:12

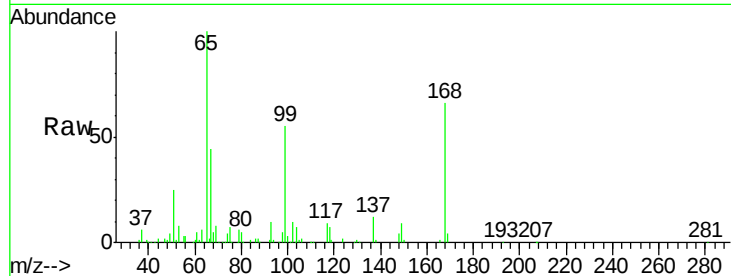
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 178657

Ion Ratio Lower Upper

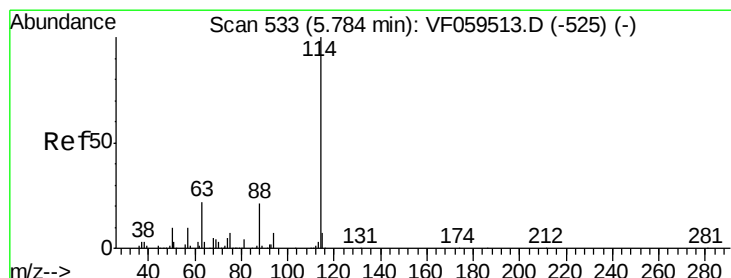
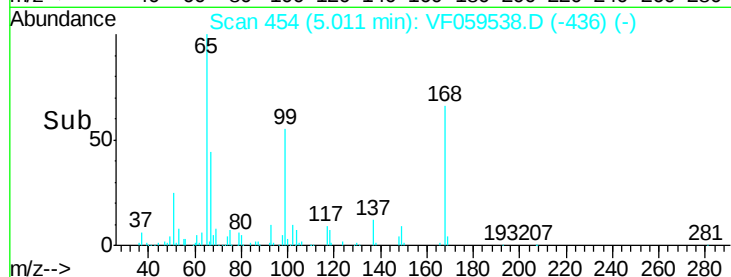
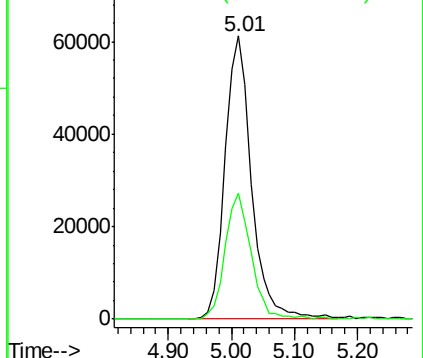
65 100

67 44.4 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF059538.D

Acq: 19 Jul 2018 3:12

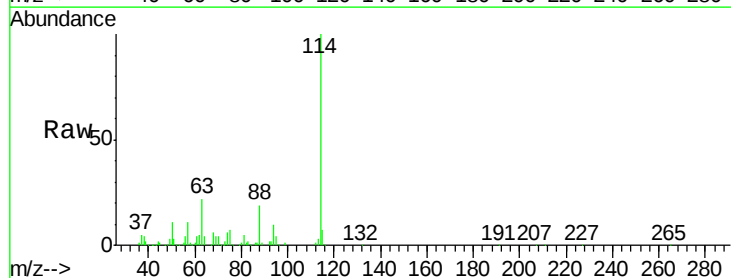
Tgt Ion: 114 Resp: 326245

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.8

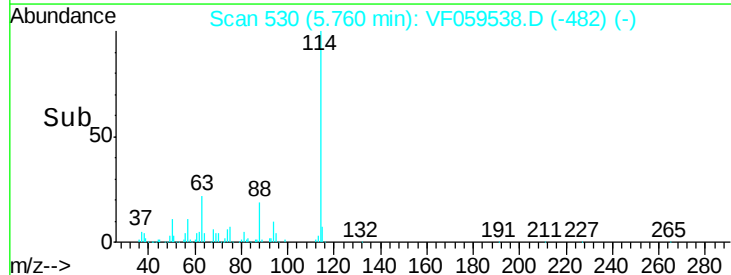
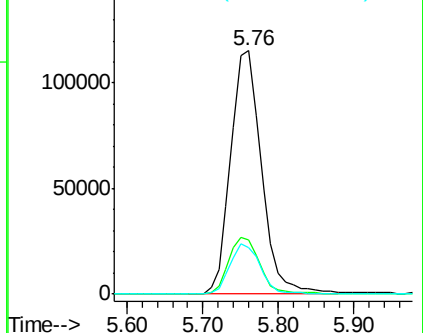
88 19.3 0.0 42.6

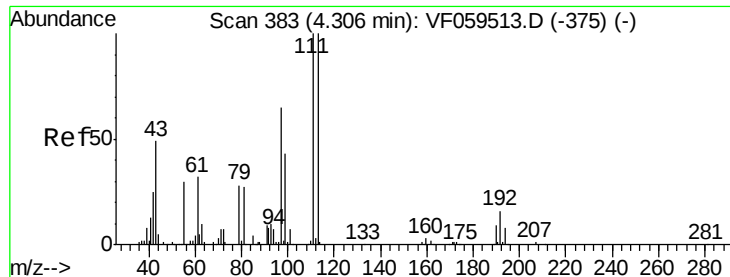


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.745 ug/l

RT: 4.28 min Scan# 380

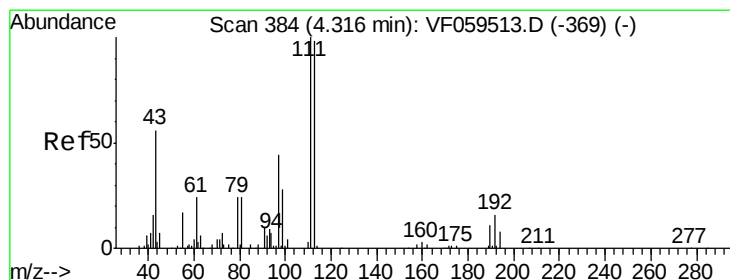
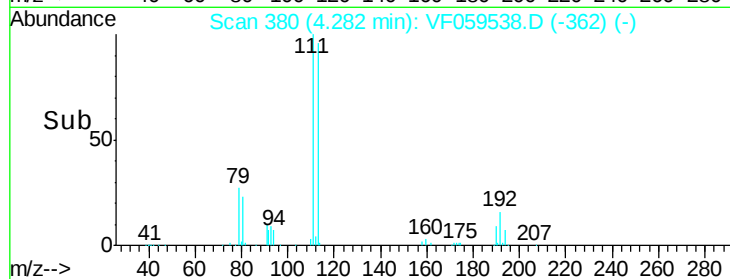
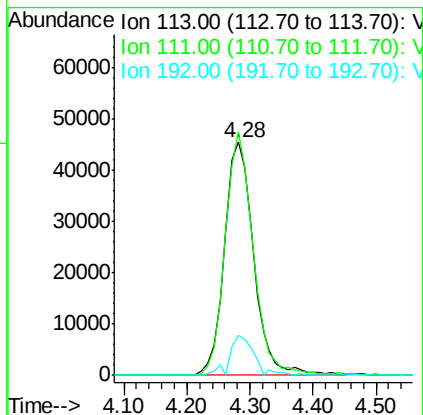
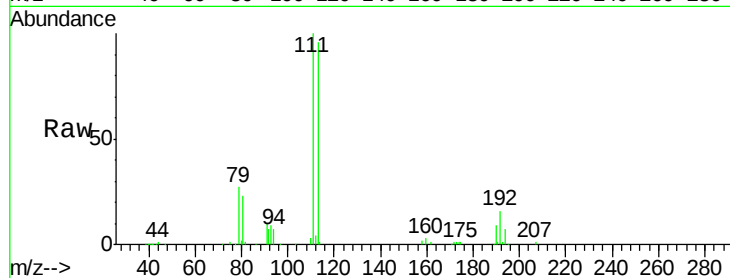
Delta R.T. -0.02 min

Lab File: VF059538.D

Acq: 19 Jul 2018 3:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	113	Resp:	146207
Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.3	120.5
192	17.2	13.1	19.7



#37

Ethyl Acetate

Concen: Below Cal

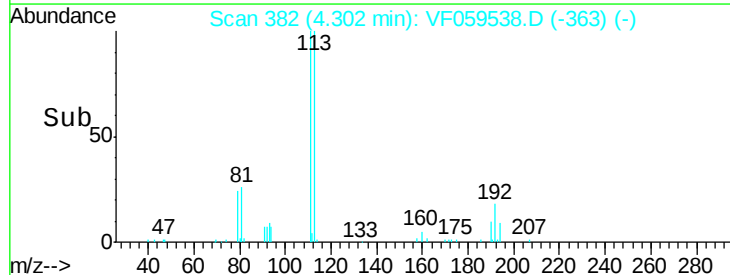
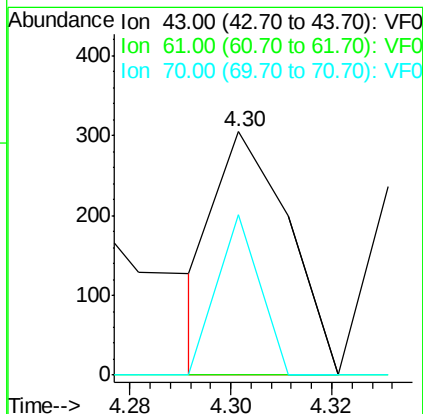
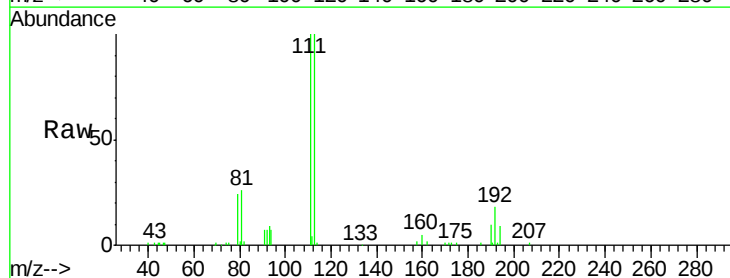
RT: 4.30 min Scan# 382

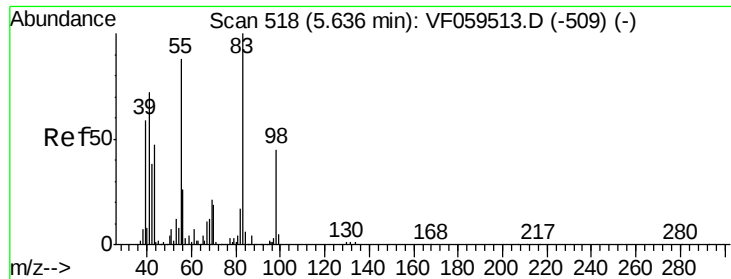
Delta R.T. -0.01 min

Lab File: VF059538.D

Acq: 19 Jul 2018 3:12

Tgt Ion:	43	Resp:	298
Ion	Ratio	Lower	Upper
43	100		
61	0.0	33.7	50.5#
70	65.9	7.4	11.0#

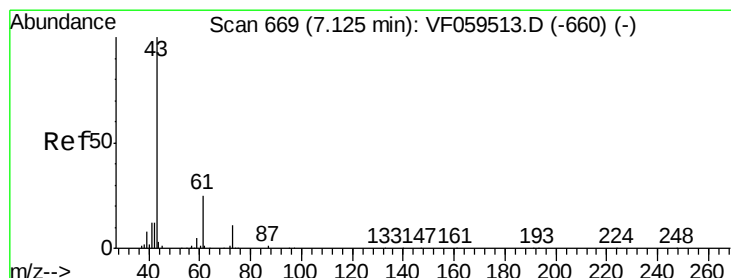
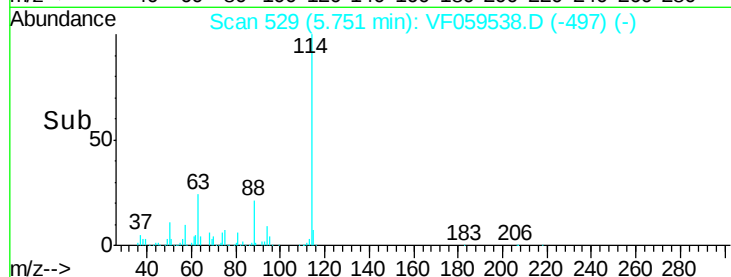
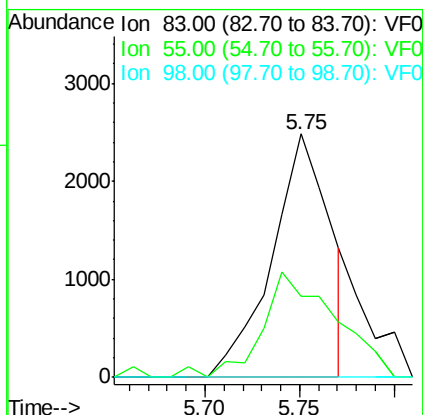
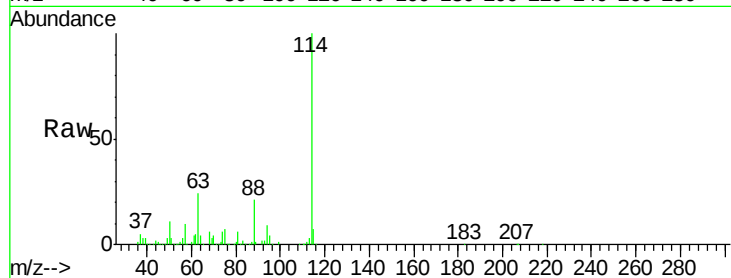




#39
Methylcyclohexane
Concen: 2.146 ug/l
RT: 5.75 min Scan# 529
Delta R.T. 0.11 min
Lab File: VF059538.D
Acq: 19 Jul 2018 3:12

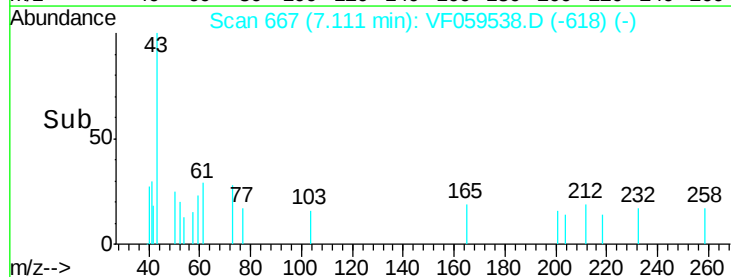
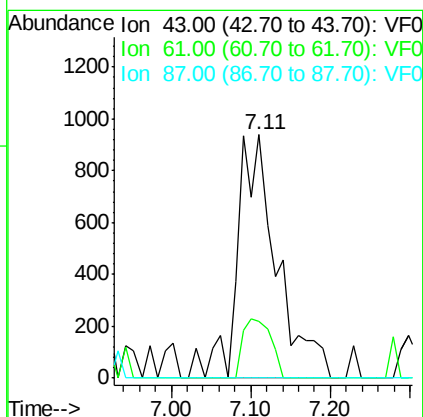
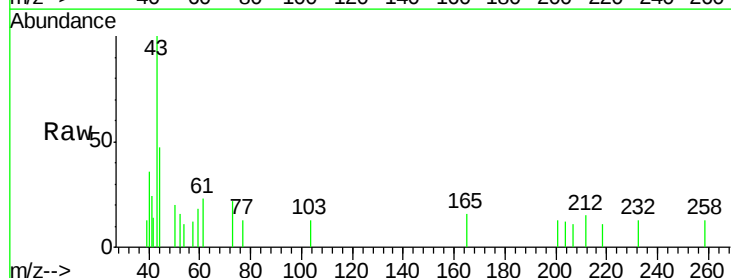
Instrument :
MSVOA_F
ClientSampleId :

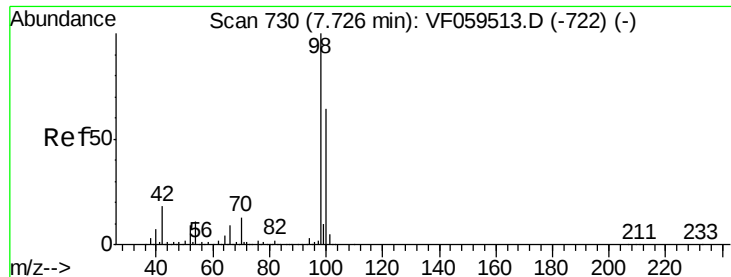
Tot Ion: 83 Resp: 5319
Ion Ratio Lower Upper
83 100
55 33.4 70.2 105.4#
98 0.0 36.2 54.2#



#43
Isopropyl Acetate
Concen: 1.377 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF059538.D
Acq: 19 Jul 2018 3:12

Tgt Ion: 43 Resp: 3231
Ion Ratio Lower Upper
43 100
61 23.2 20.3 30.5
87 0.0 0.4 0.6#





#50

Toluene-d8

Concen: 43.968 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF059538.D

Acq: 19 Jul 2018 3:12

Instrument :

MSVOA_F

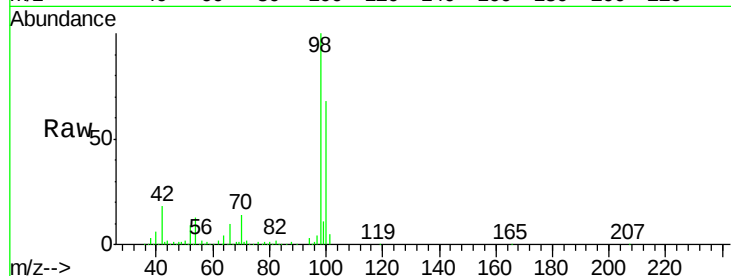
ClientSampleId :

Tot Ion: 98 Resp: 312937

Ion Ratio Lower Upper

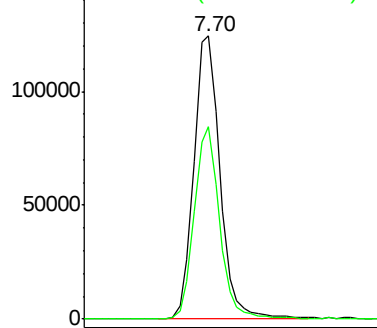
98 100

100 68.2 50.9 76.3

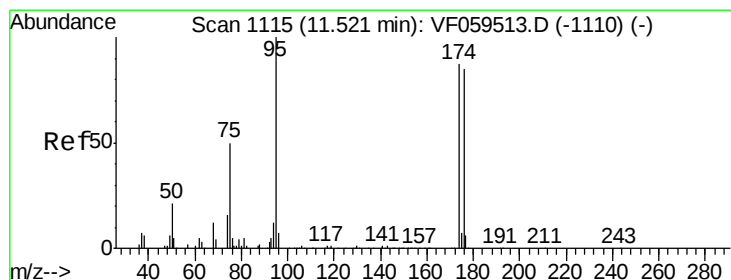
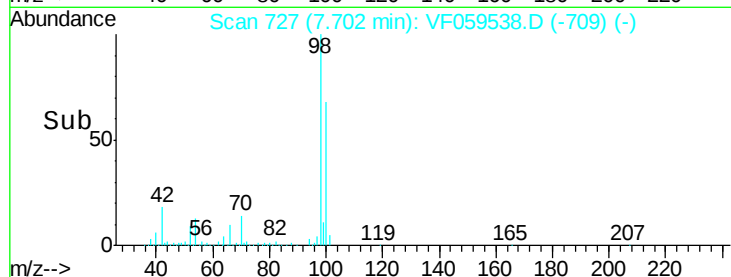


Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



Time-->



#62

4-Bromofluorobenzene

Concen: 49.628 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059538.D

Acq: 19 Jul 2018 3:12

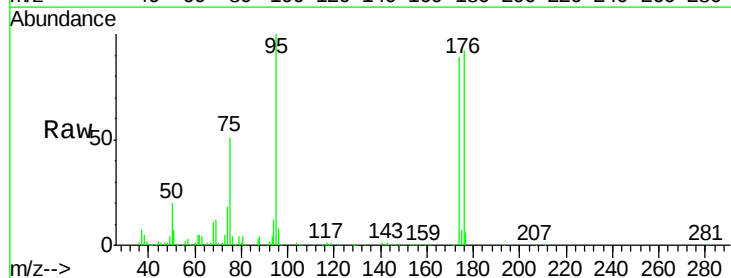
Tgt Ion: 95 Resp: 185300

Ion Ratio Lower Upper

95 100

174 89.0 0.0 174.4

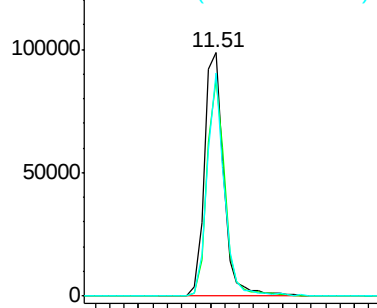
176 91.5 0.0 169.4



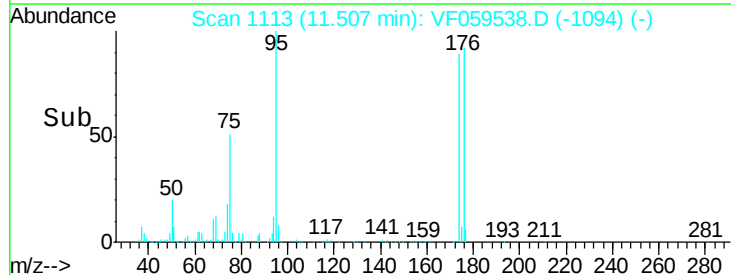
Abundance Ion 95.00 (94.70 to 95.70): VF0

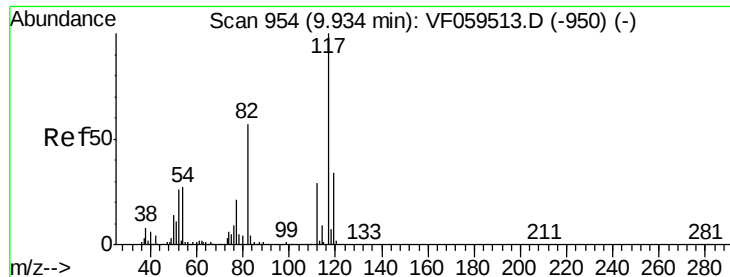
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->

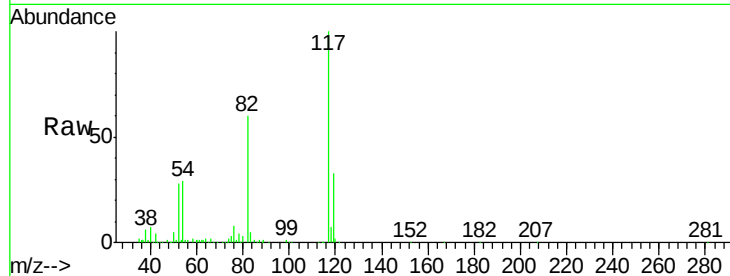




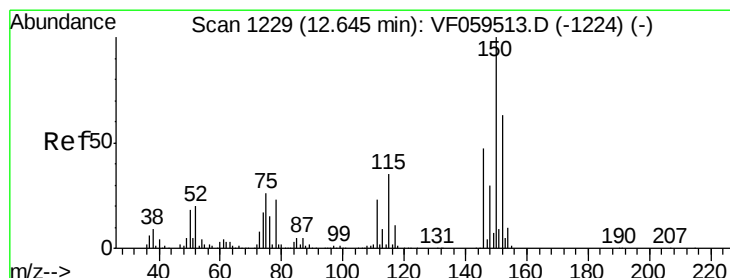
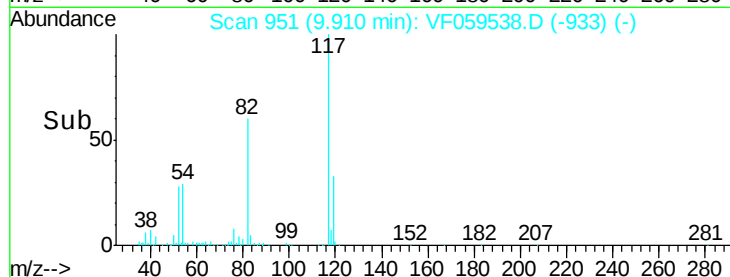
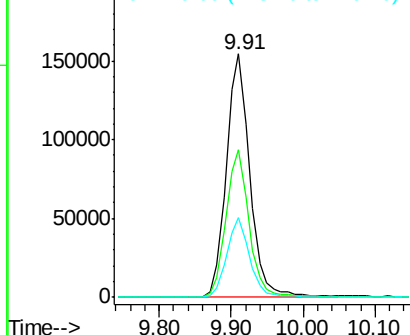
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF059538.D
Acq: 19 Jul 2018 3:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 350064
Ion Ratio Lower Upper
117 100
82 60.4 46.1 69.1
119 32.6 27.2 40.8

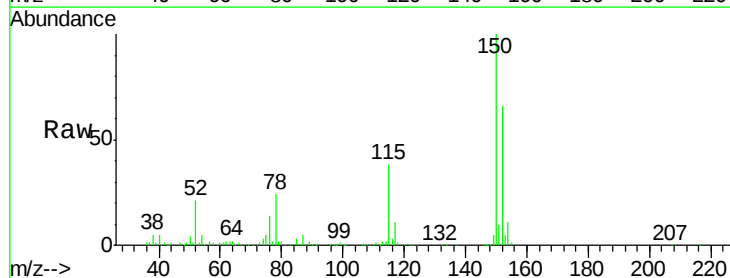


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059538.D
Acq: 19 Jul 2018 3:12

Tgt Ion:152 Resp: 221611
Ion Ratio Lower Upper
152 100
115 58.3 27.8 83.3
150 152.0 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

