

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059245.D
 Acq On : 21 Jun 2018 00:14
 Operator : VA/AP
 Sample : J3584-23RE
 Misc : 5.20g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:40:28 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	214486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	328877	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	348643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	214114	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	165877	63.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.54%	
35) Dibromofluoromethane	4.29	113	147159	63.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.54%	
50) Toluene-d8	7.71	98	345771	51.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	11.51	95	204541	58.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.64%	

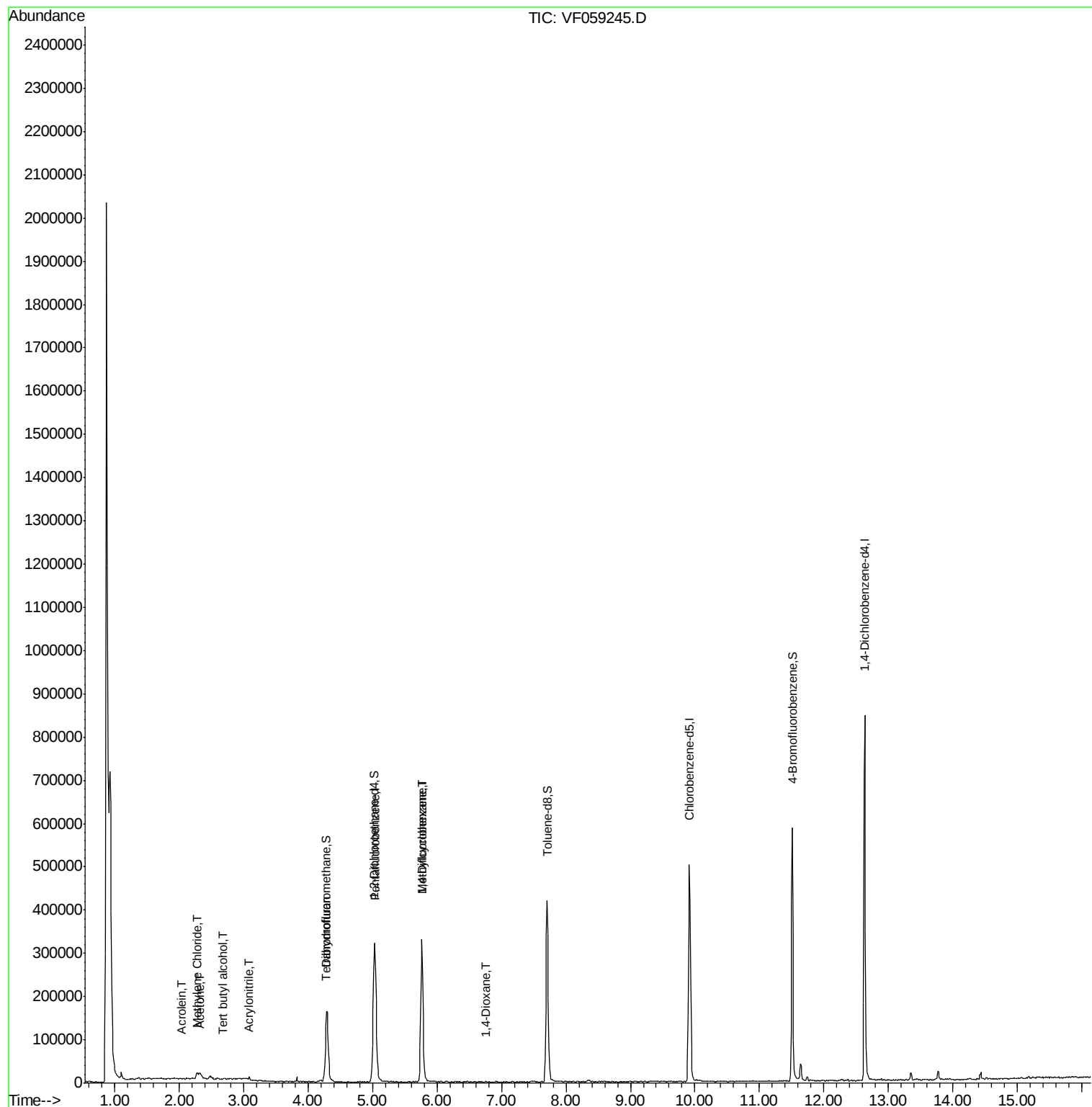
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	321	1.926	ug/l #	1
13) Acrolein	2.02	56	516	3.577	ug/l	93
15) Acrylonitrile	3.08	53	864	2.610	ug/l #	63
16) Acetone	2.33	43	7145	11.504	ug/l #	80
20) Methylene Chloride	2.27	84	13569	9.124	ug/l	91
29) Tetrahydrofuran	4.27	42	785	1.850	ug/l #	67
39) Methylcyclohexane	5.75	83	4756	1.464	ug/l #	33
49) 1,4-Dioxane	6.77	88	122	22.235	ug/l #	6
89) n-Butylbenzene	12.92	91	462	Below Cal	#	32

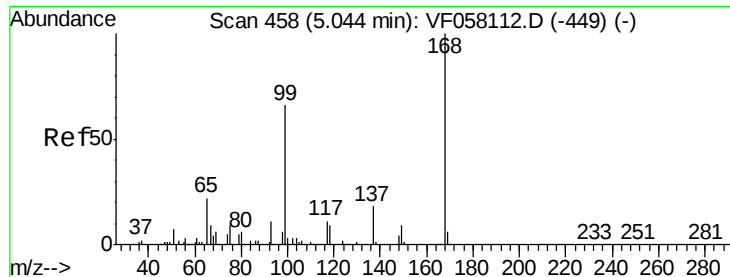
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062018\
Data File : VF059245.D
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Quant Time: Jun 21 06:40:28 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: VF059245.D

Acq: 21 Jun 2018 00:14

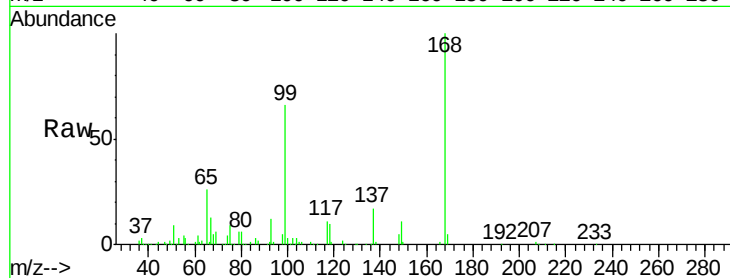
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 214486

Ion Ratio Lower Upper

168 100

99 66.3 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

80000

60000

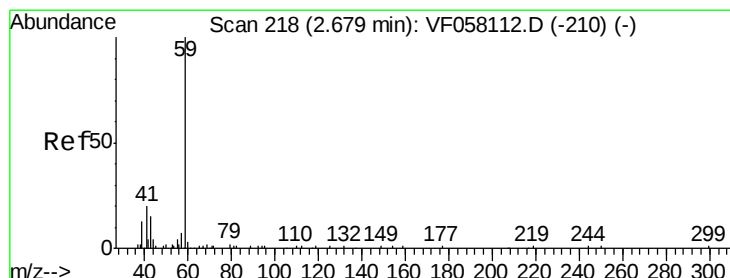
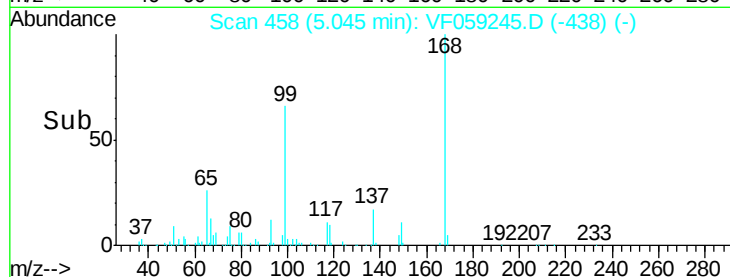
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#11

Tert butyl alcohol

Concen: 1.926 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.00 min

Lab File: VF059245.D

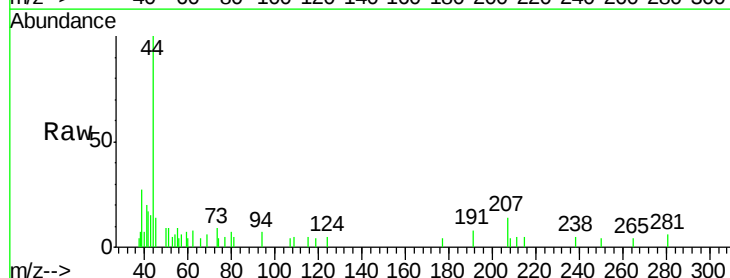
Acq: 21 Jun 2018 00:14

Tgt Ion: 59 Resp: 321

Ion Ratio Lower Upper

59 100

57 82.6 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

500

400

300

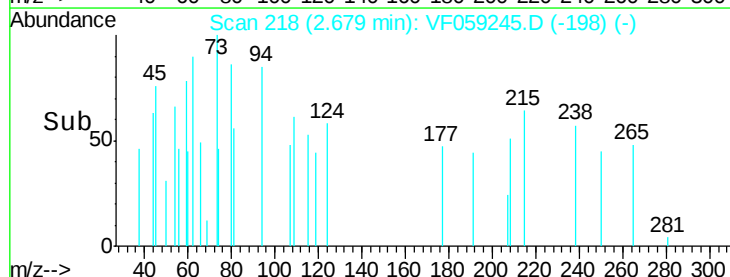
200

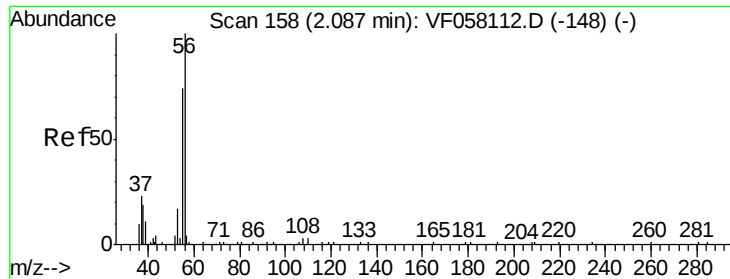
100

0

2.66 2.68 2.70 2.72

Time-->





#13

Acrolein

Concen: 3.577 ug/l

RT: 2.02 min Scan# 151

Delta R.T. -0.07 min

Lab File: VF059245.D

Acq: 21 Jun 2018 00:14

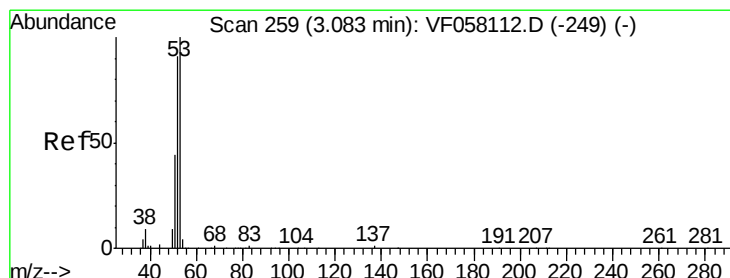
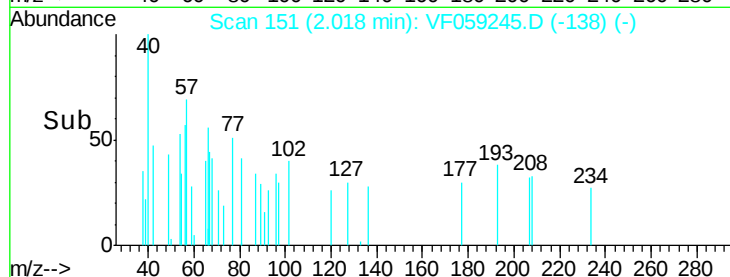
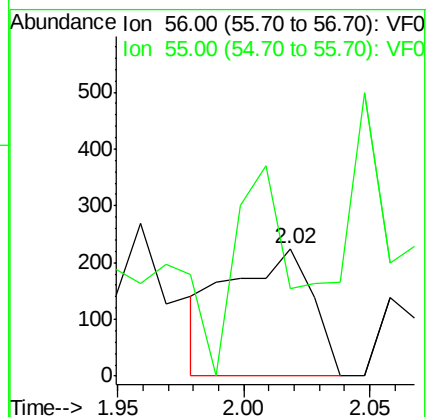
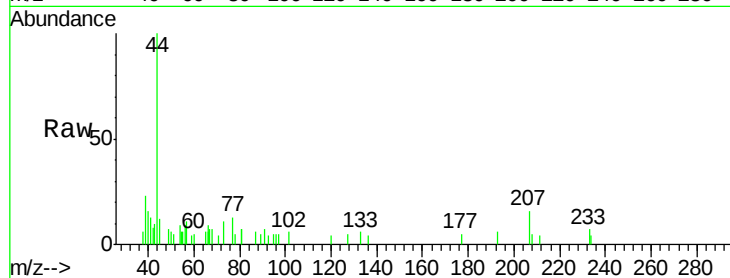
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 516

Ion Ratio Lower Upper

56 100

55 69.2 60.0 90.0



#15

Acrylonitrile

Concen: 2.610 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059245.D

Acq: 21 Jun 2018 00:14

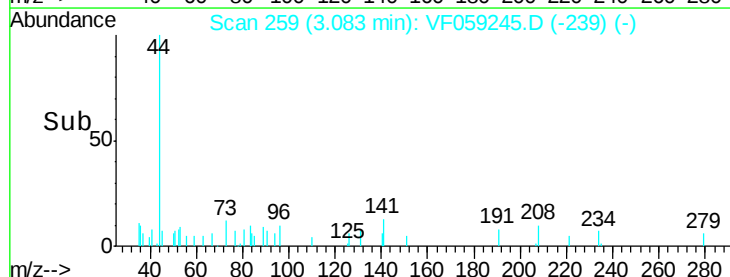
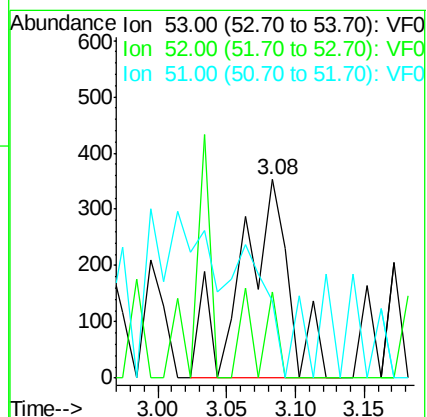
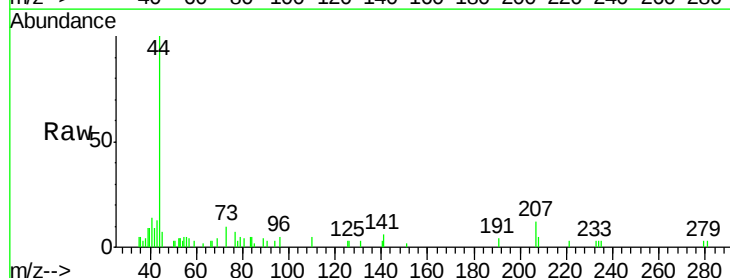
Tgt Ion: 53 Resp: 864

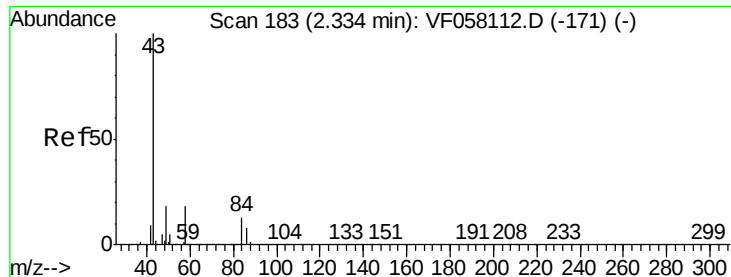
Ion Ratio Lower Upper

53 100

52 43.6 73.2 109.8#

51 38.8 35.6 53.4

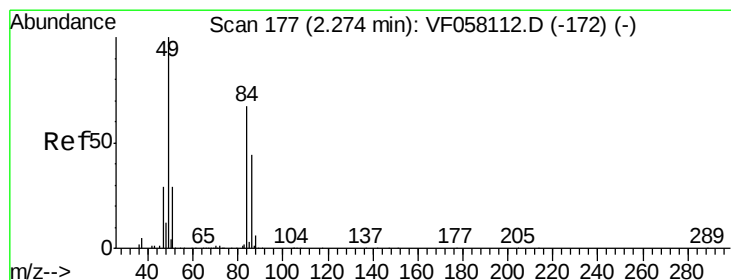
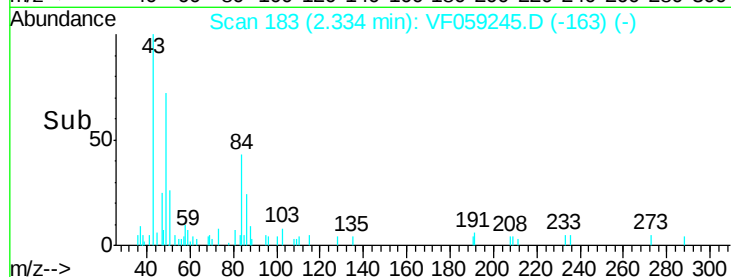
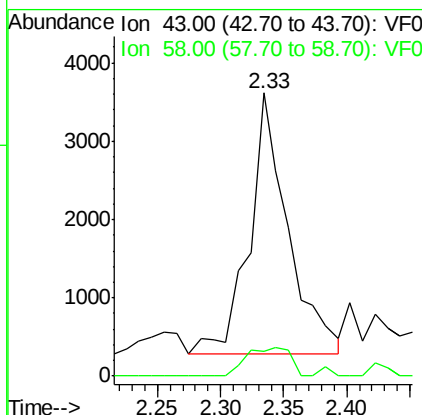
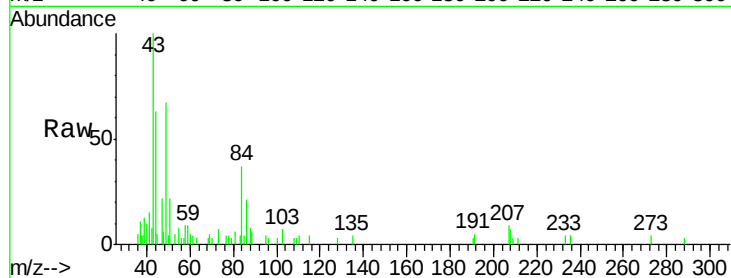




#16
Acetone
Concen: 11.504 ug/l
RT: 2.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF059245.D
Acq: 21 Jun 2018 00:14

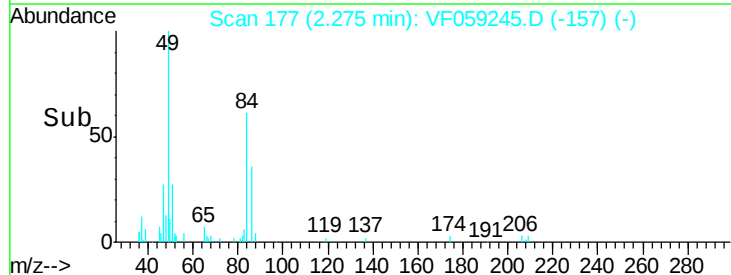
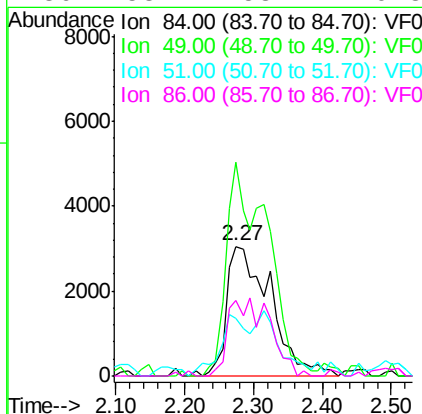
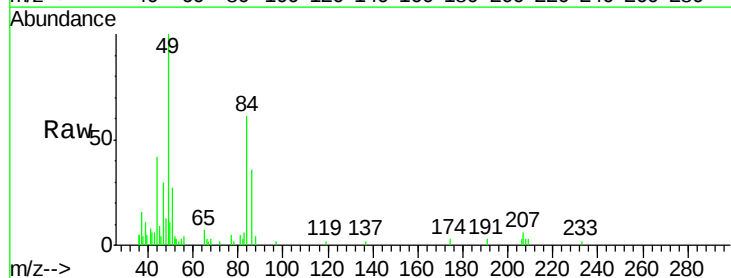
Instrument :
MSVOA_F
ClientSampleId :

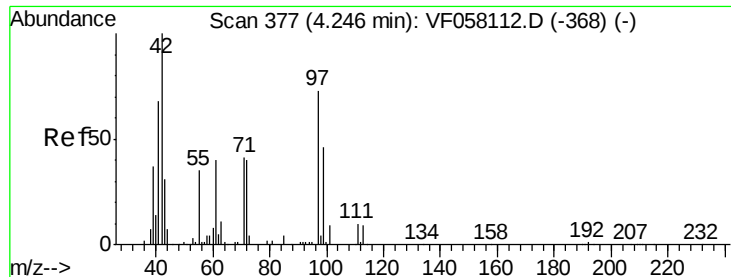
Tot Ion: 43 Resp: 7145
Ion Ratio Lower Upper
43 100
58 9.0 14.4 21.6#



#20
Methylene Chloride
Concen: 9.124 ug/l
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059245.D
Acq: 21 Jun 2018 00:14

Tgt Ion: 84 Resp: 13569
Ion Ratio Lower Upper
84 100
49 165.0 121.0 181.4
51 44.4 35.8 53.6
86 58.7 53.2 79.8

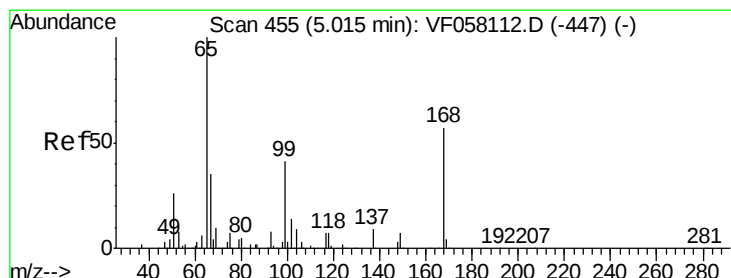
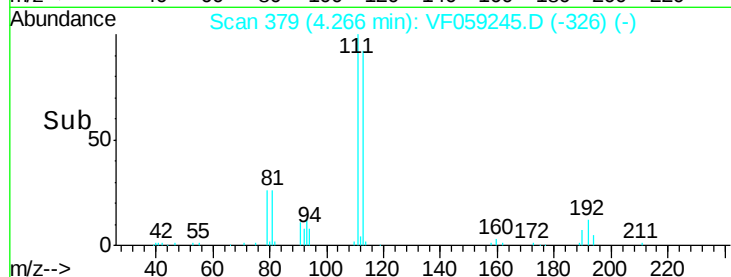
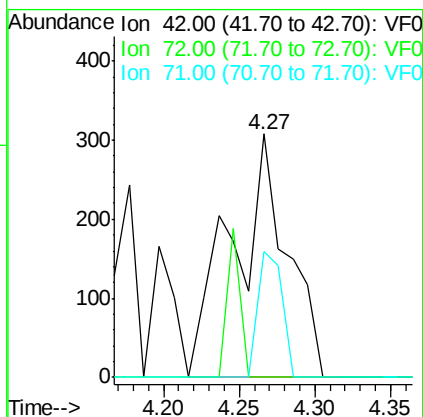
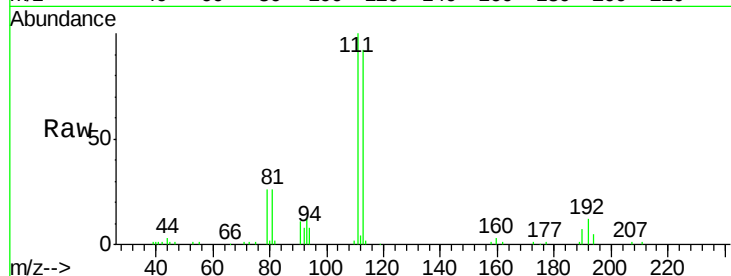




#29
Tetrahydrofuran
Concen: 1.850 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.02 min
Lab File: VF059245.D
Acq: 21 Jun 2018 00:14

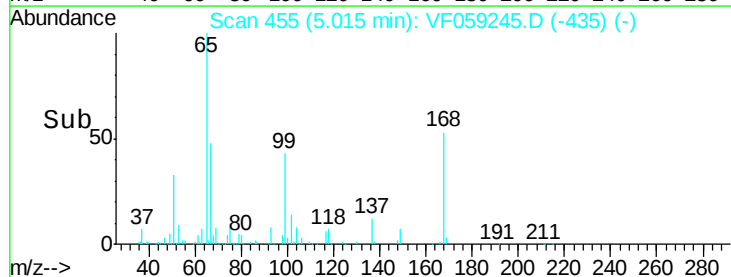
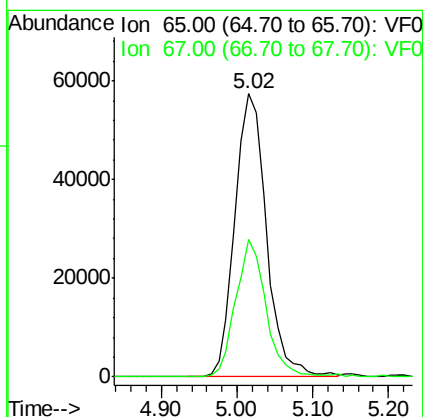
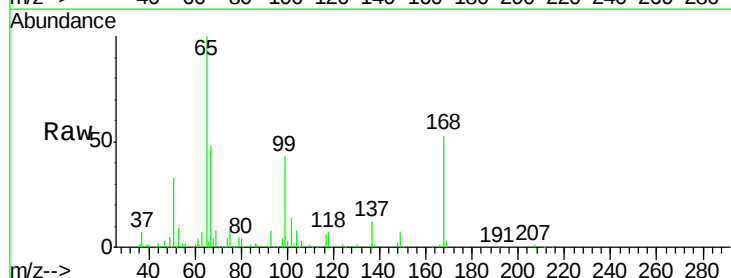
Instrument :
MSVOA_F
ClientSampleId :

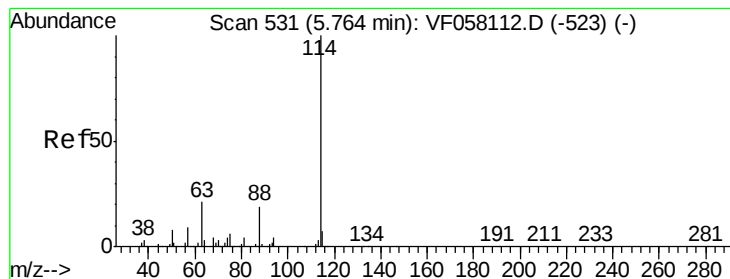
Tot Ion: 42 Resp: 785
Ion Ratio Lower Upper
42 100
72 14.1 30.5 45.7#
71 22.7 31.5 47.3#



#33
1,2-Dichloroethane-d4
Concen: 63.767 ug/l
RT: 5.02 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF059245.D
Acq: 21 Jun 2018 00:14

Tgt Ion: 65 Resp: 165877
Ion Ratio Lower Upper
65 100
67 48.4 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: VF059245.D

Acq: 21 Jun 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

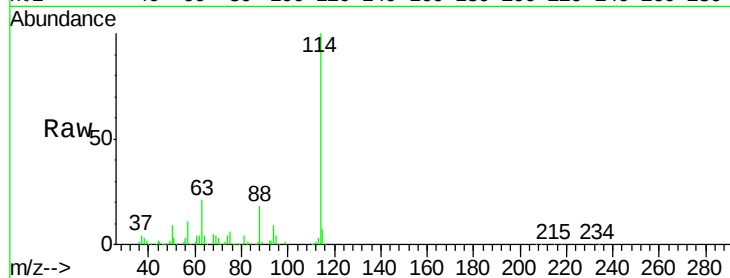
Tot Ion:114 Resp: 328877

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.6

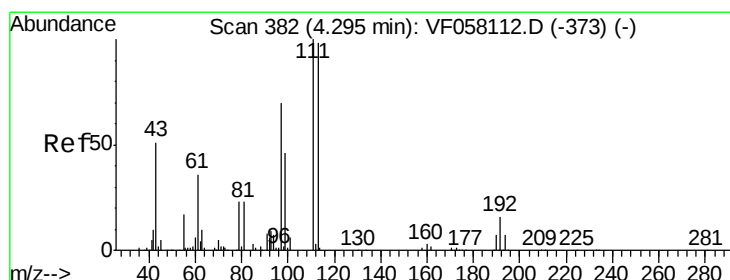
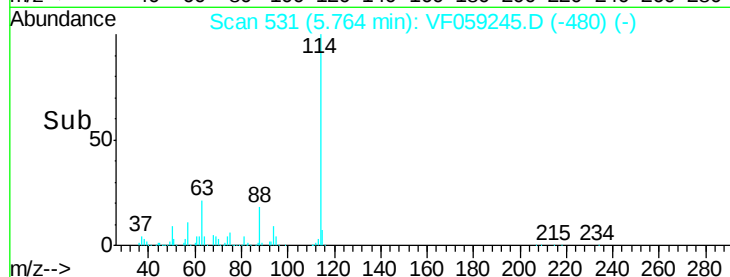
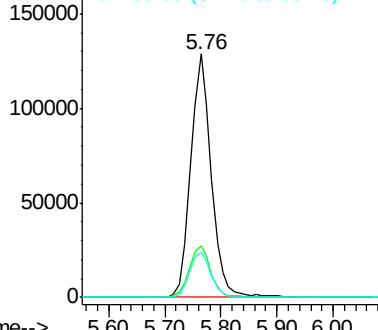
88 18.5 0.0 38.8



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: 63.770 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059245.D

Acq: 21 Jun 2018 00:14

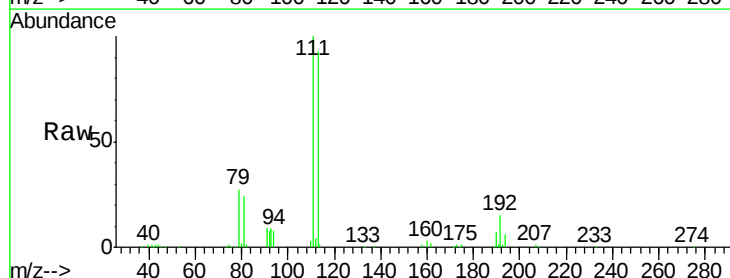
Tgt Ion:113 Resp: 147159

Ion Ratio Lower Upper

113 100

111 107.2 81.3 121.9

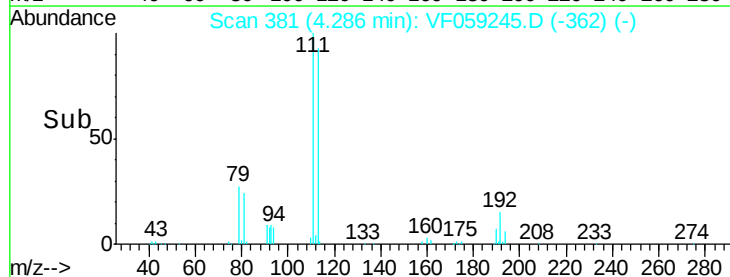
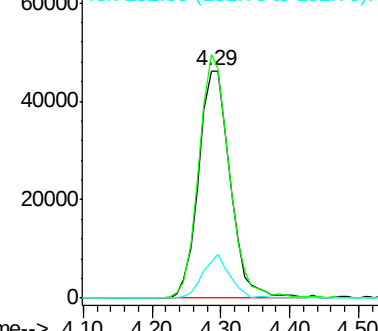
192 16.2 12.7 19.1

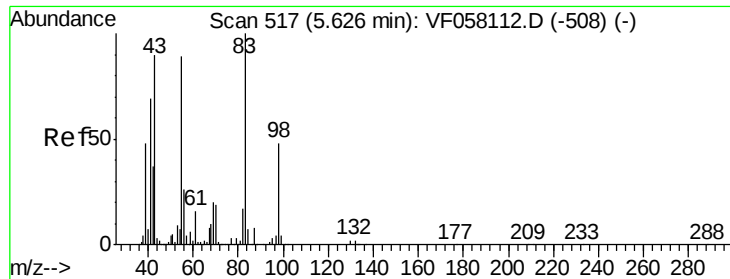


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

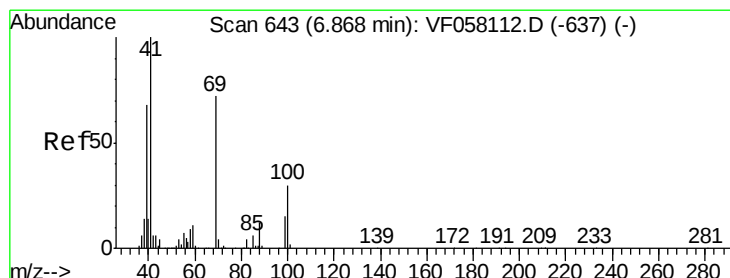
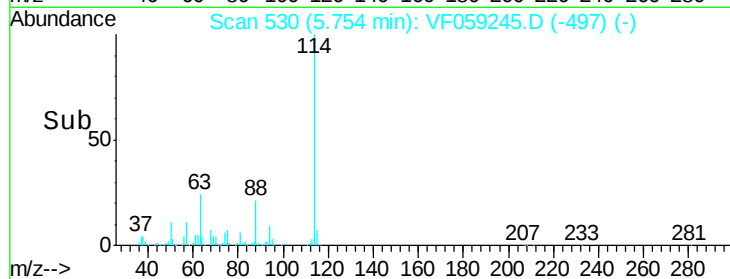
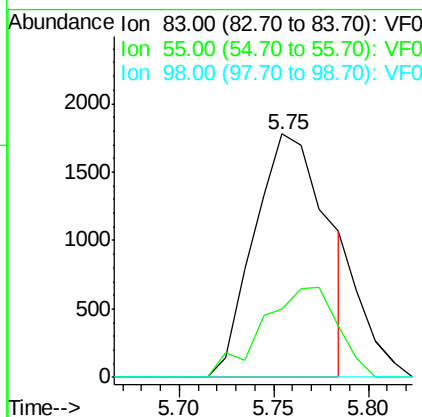
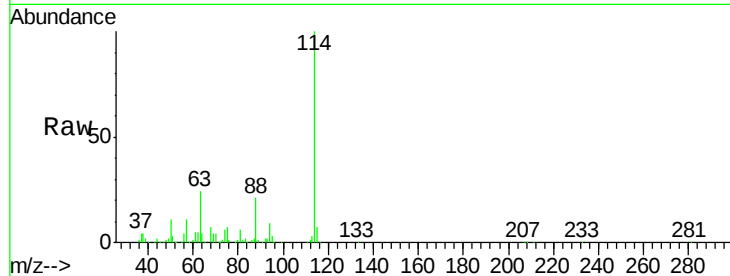




#39
Methylcyclohexane
Concen: 1.464 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.13 min
Lab File: VF059245.D
Acq: 21 Jun 2018 00:14

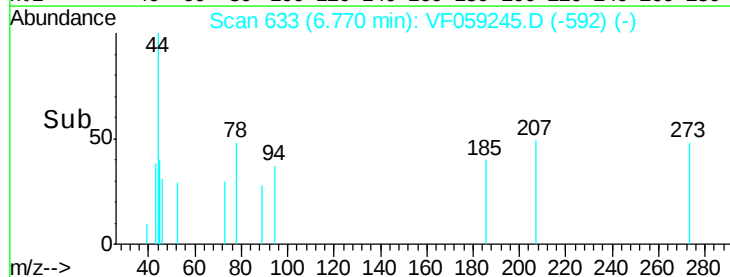
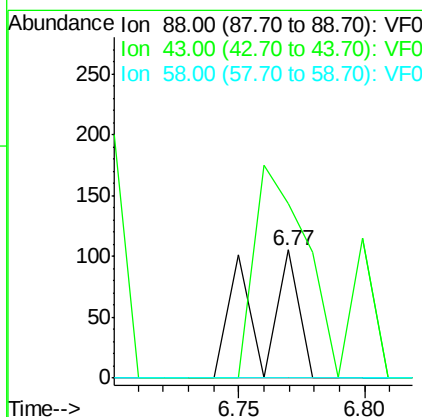
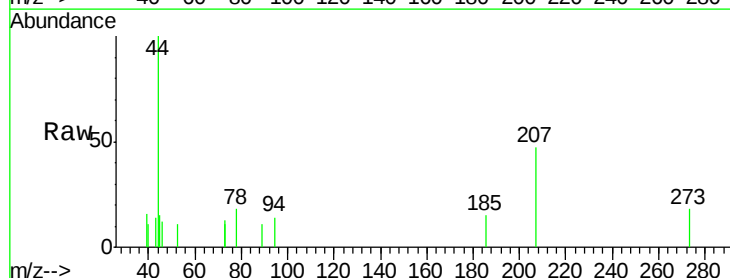
Instrument :
MSVOA_F
ClientSampleId :

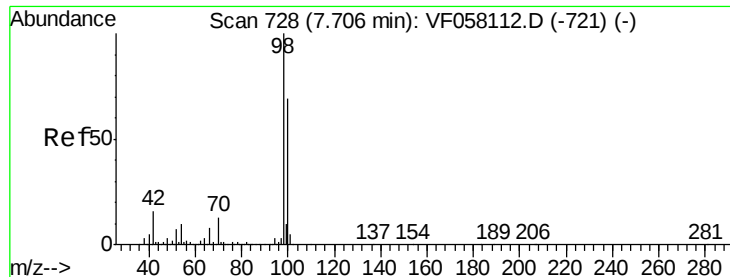
Tot Ion: 83 Resp: 4756
Ion Ratio Lower Upper
83 100
55 27.9 71.0 106.4#
98 0.0 38.1 57.1#



#49
1,4-Dioxane
Concen: 22.235 ug/l
RT: 6.77 min Scan# 633
Delta R.T. -0.10 min
Lab File: VF059245.D
Acq: 21 Jun 2018 00:14

Tgt Ion: 88 Resp: 122
Ion Ratio Lower Upper
88 100
43 136.2 47.8 71.8#
58 0.0 59.4 89.0#

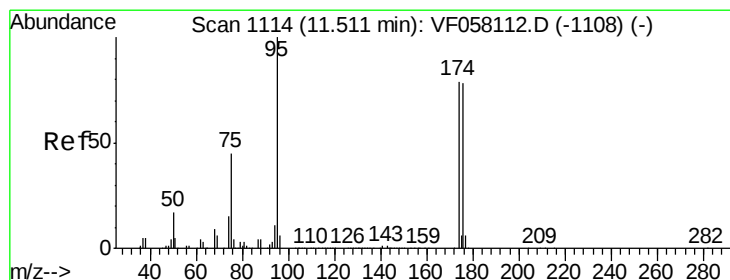
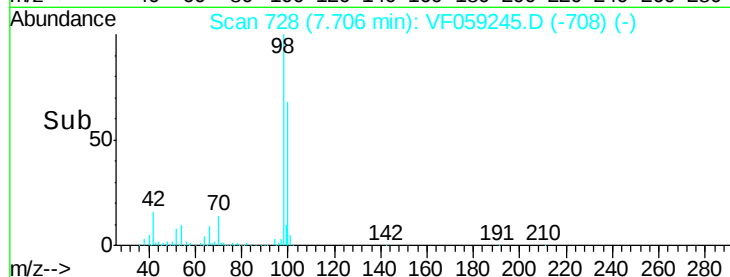
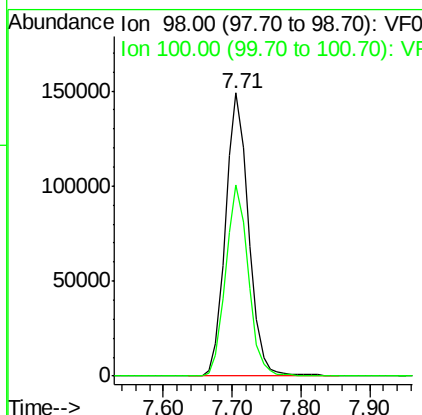
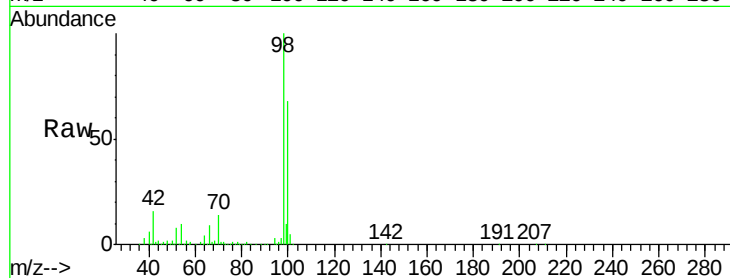




#50
Toluene-d8
Concen: 51.003 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059245.D
Acq: 21 Jun 2018 00:14

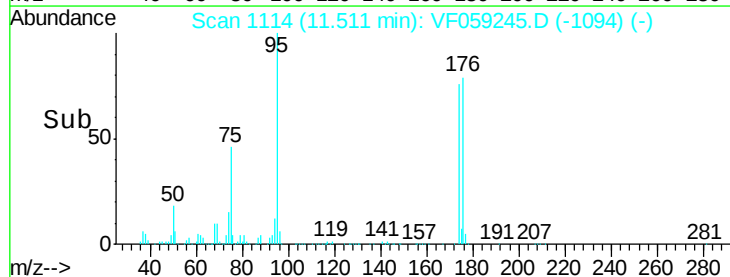
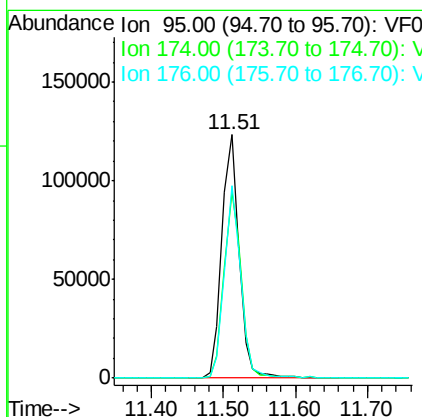
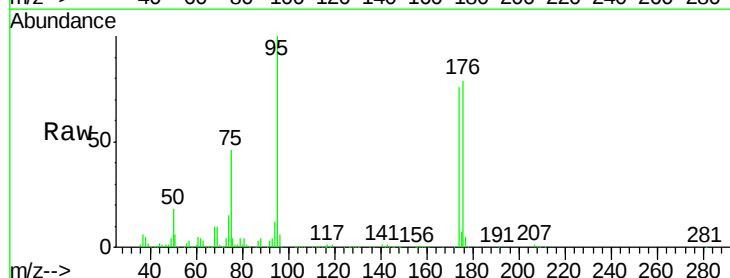
Instrument :
MSVOA_F
ClientSampleId :

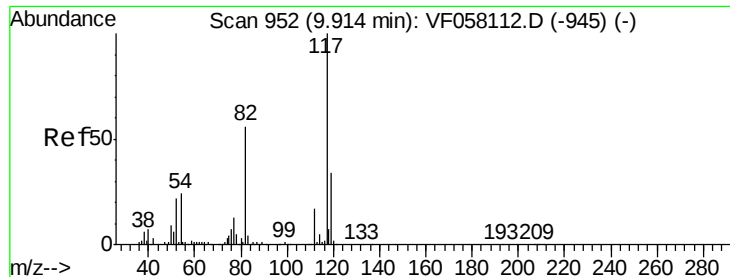
Tot Ion: 98 Resp: 345771
Ion Ratio Lower Upper
98 100
100 67.6 55.6 83.4



#62
4-Bromofluorobenzene
Concen: 58.824 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059245.D
Acq: 21 Jun 2018 00:14

Tgt Ion: 95 Resp: 204541
Ion Ratio Lower Upper
95 100
174 76.5 0.0 157.8
176 78.9 0.0 155.8

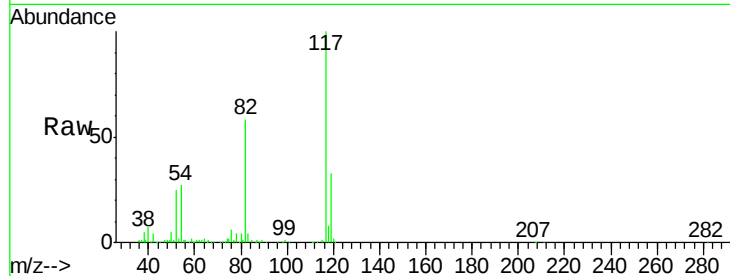




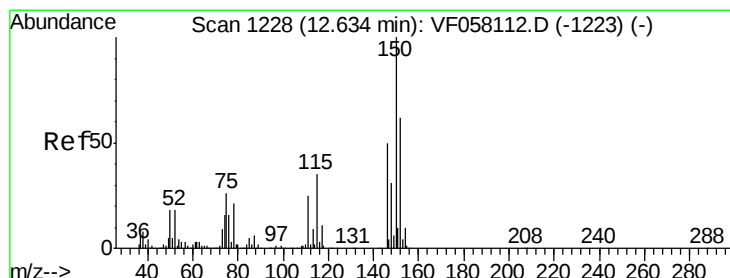
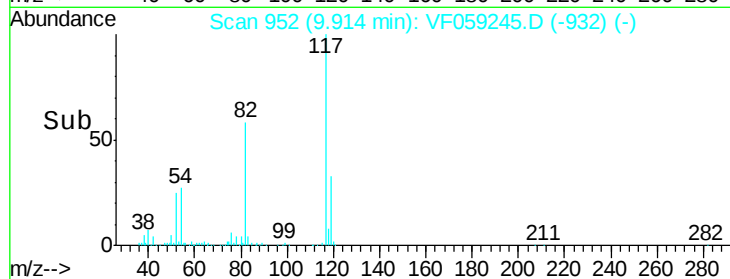
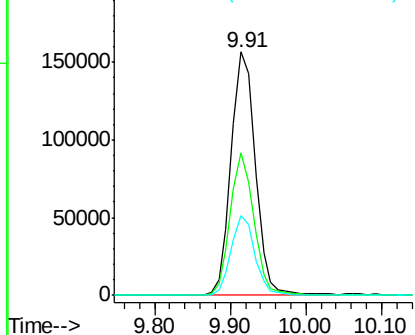
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059245.D
Acq: 21 Jun 2018 00:14

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 348643
Ion Ratio Lower Upper
117 100
82 58.4 45.2 67.8
119 32.8 27.5 41.3

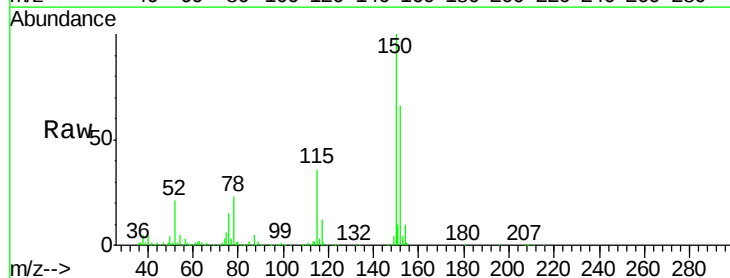


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059245.D
Acq: 21 Jun 2018 00:14

Tgt Ion:152 Resp: 214114
Ion Ratio Lower Upper
152 100
115 54.6 28.5 85.5
150 152.4 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

