

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059234.D
 Acq On : 20 Jun 2018 19:08
 Operator : VA/AP
 Sample : J3575-02RE
 Misc : 8.90g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:38:11 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	130170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	199754	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	183148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	116845	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	83048	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
35) Dibromofluoromethane	4.29	113	77301	55.15	ug/l	0.00
Spiked Amount			Recovery	=	110.30%	
50) Toluene-d8	7.70	98	190341	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	11.51	95	100908	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	

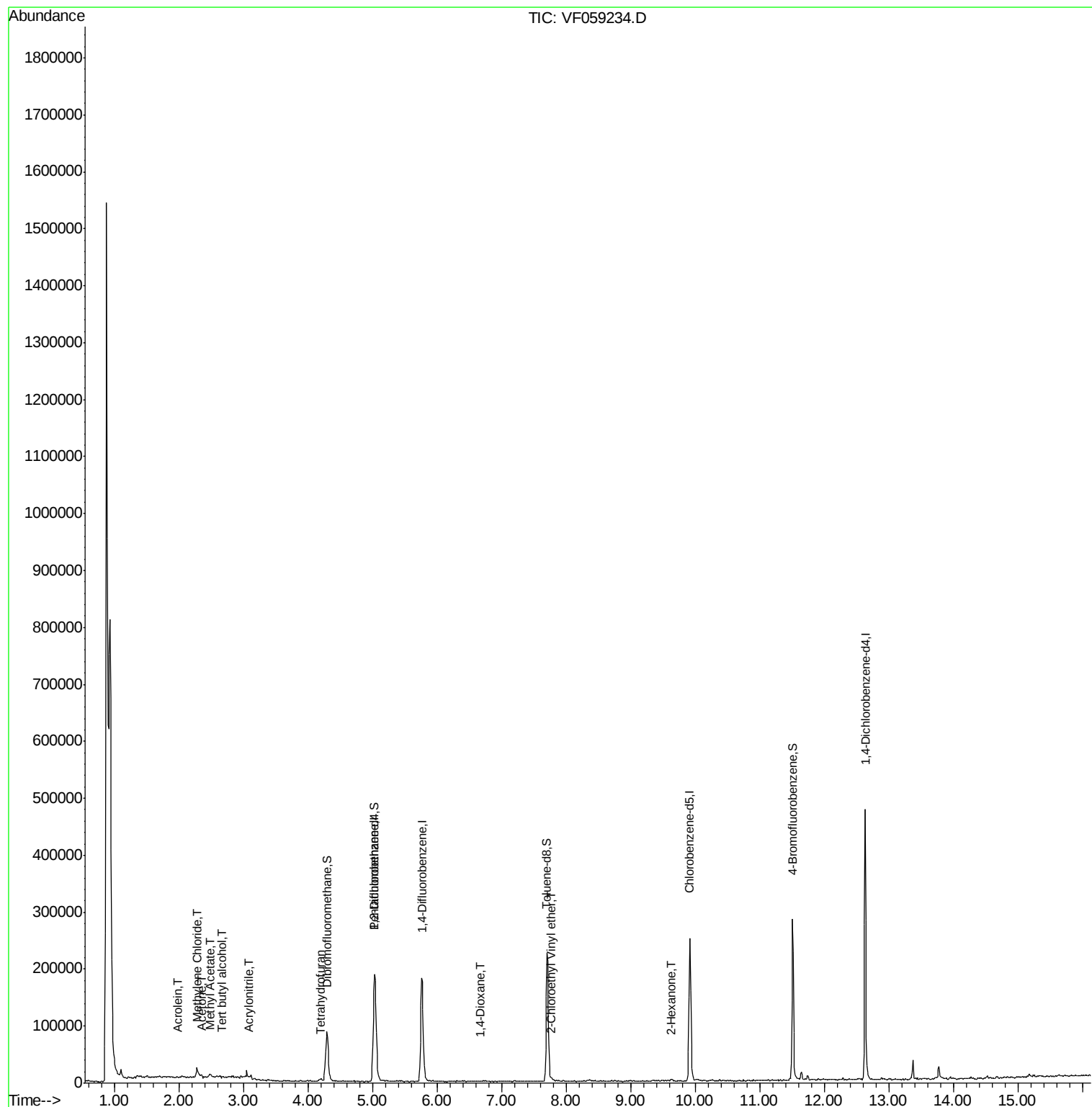
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.66	59	360	3.559	ug/l #	1
13) Acrolein	1.99	56	240	2.741	ug/l	85
15) Acrylonitrile	3.09	53	278	1.384	ug/l #	13
16) Acetone	2.34	43	5891	15.629	ug/l	97
18) Methyl Acetate	2.48	43	3355	5.178	ug/l #	66
20) Methylene Chloride	2.28	84	7380	8.177	ug/l	98
29) Tetrahydrofuran	4.20	42	487	1.891	ug/l #	47
49) 1,4-Dioxane	6.67	88	60	20.499	ug/l #	16
58) 2-Chloroethyl Vinyl ether	7.77	63	311	2.942	ug/l	100
59) 2-Hexanone	9.62	43	2649	3.050	ug/l	77
89) n-Butylbenzene	12.92	91	884	Below Cal	#	59

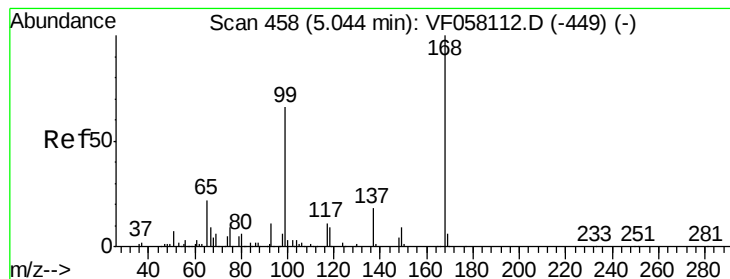
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062018\
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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# 457

Delta R.T. -0.00 min

Lab File: VF059234.D

Acq: 20 Jun 2018 19:08

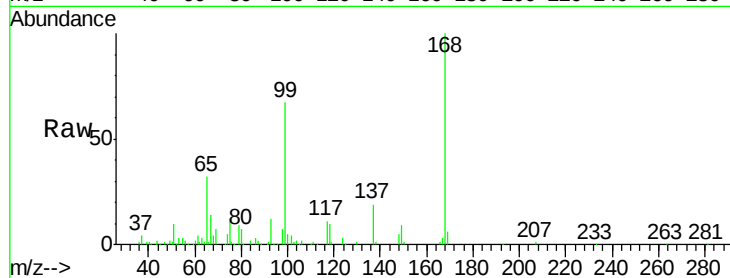
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 130170

Ion Ratio Lower Upper

168 100

99 66.8 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

40000

30000

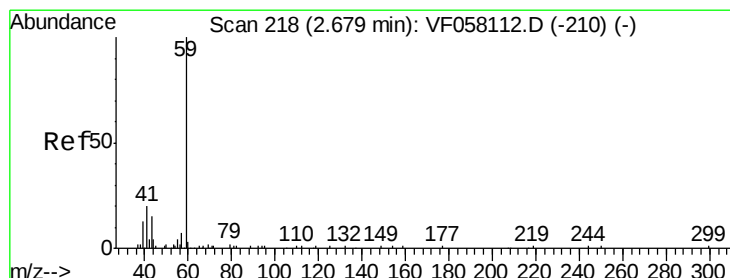
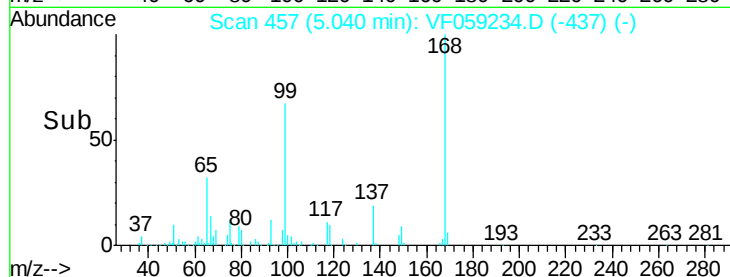
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 3.559 ug/l

RT: 2.66 min Scan# 216

Delta R.T. -0.01 min

Lab File: VF059234.D

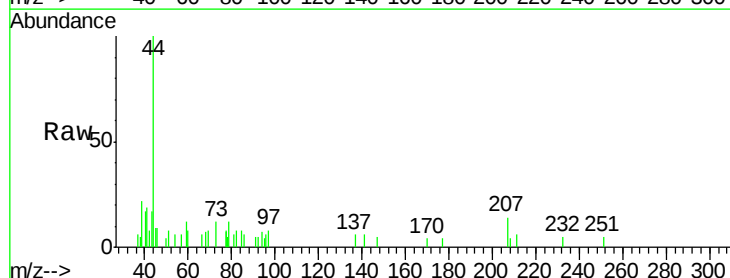
Acq: 20 Jun 2018 19:08

Tgt Ion: 59 Resp: 360

Ion Ratio Lower Upper

59 100

57 48.3 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.66

600

500

400

300

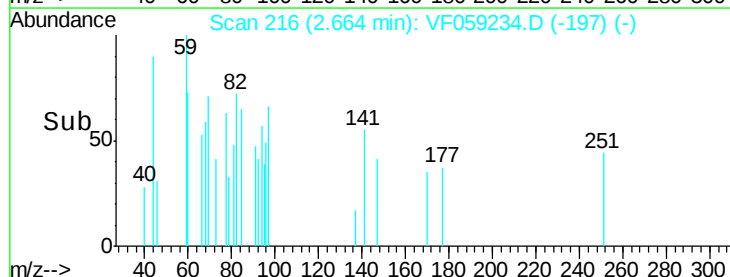
200

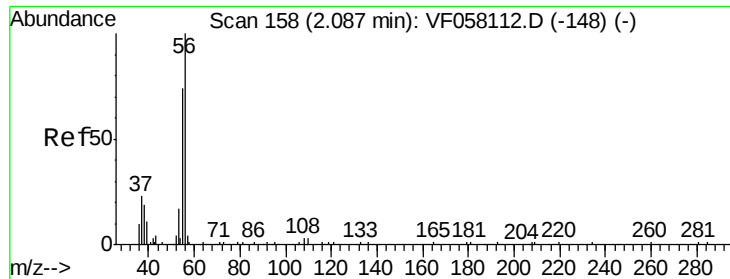
100

0

Time-->

2.64 2.66 2.68





#13

Acrolein

Concen: 2.741 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.09 min

Lab File: VF059234.D

Acq: 20 Jun 2018 19:08

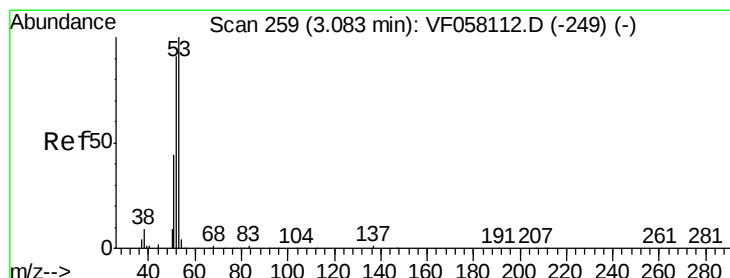
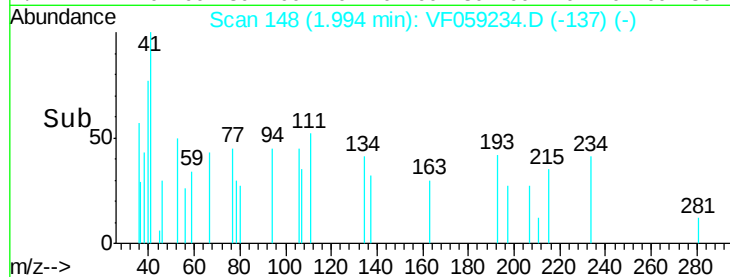
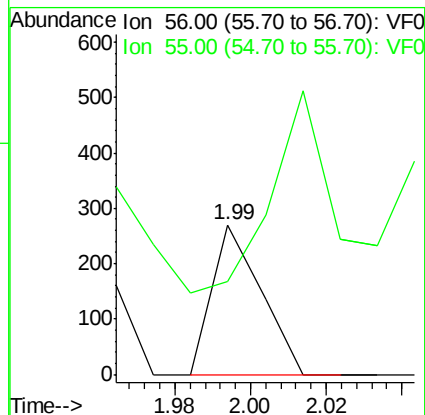
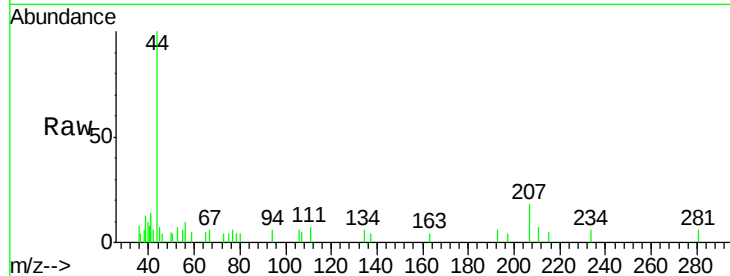
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 240

Ion Ratio Lower Upper

56 100

55 62.2 60.0 90.0



#15

Acrylonitrile

Concen: 1.384 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF059234.D

Acq: 20 Jun 2018 19:08

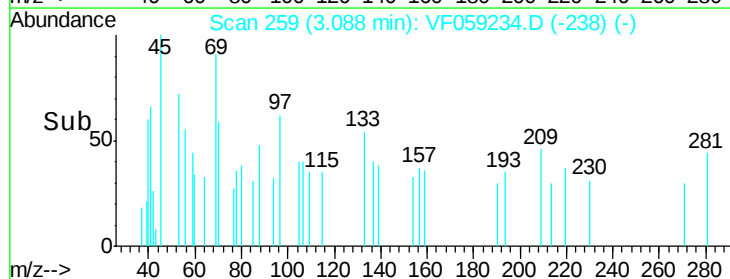
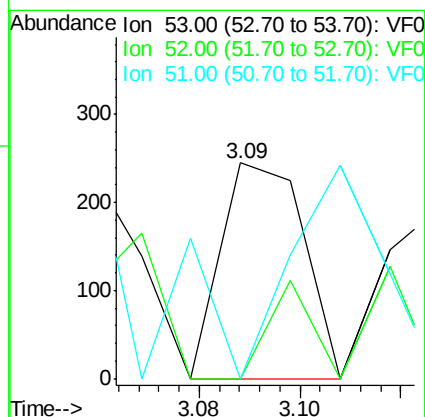
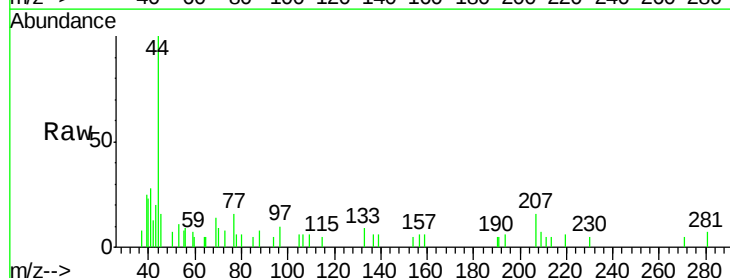
Tgt Ion: 53 Resp: 278

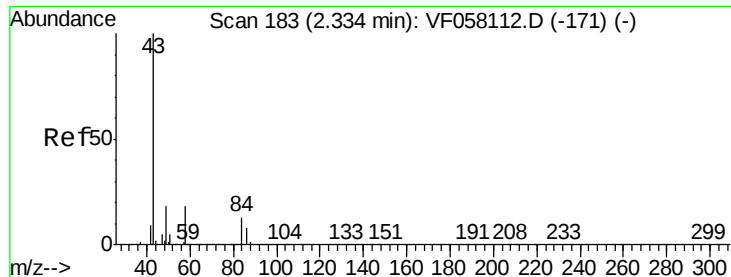
Ion Ratio Lower Upper

53 100

52 0.0 73.2 109.8#

51 0.0 35.6 53.4#

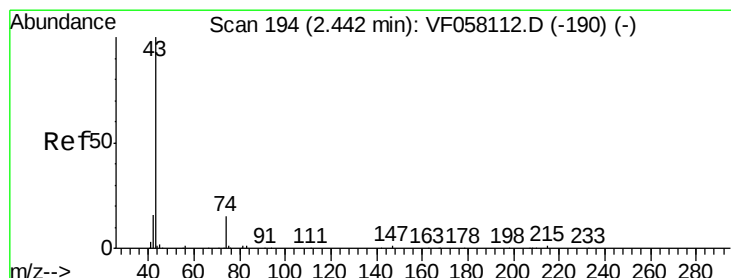
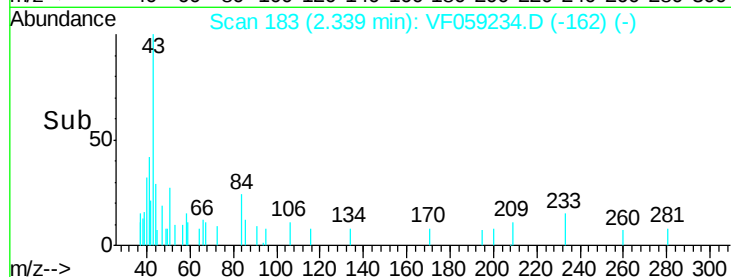
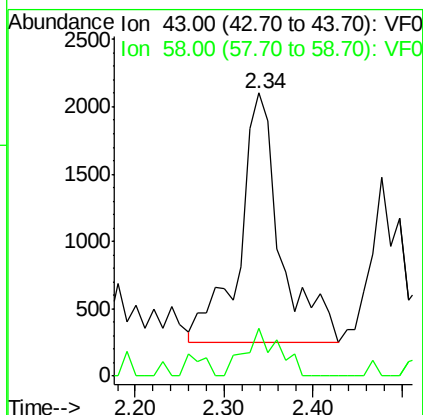
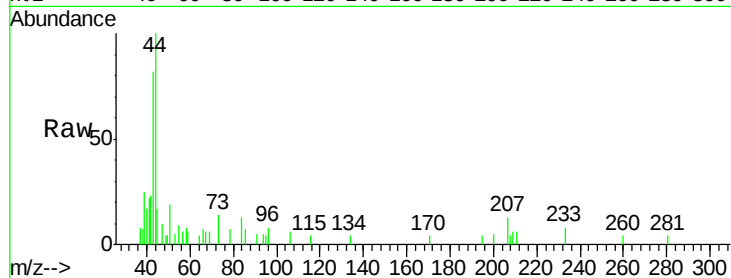




#16
Acetone
Concen: 15.629 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF059234.D
Acq: 20 Jun 2018 19:08

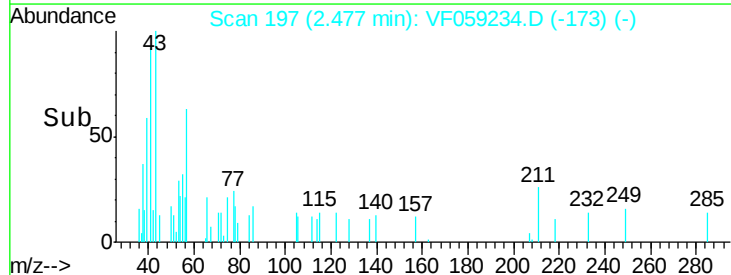
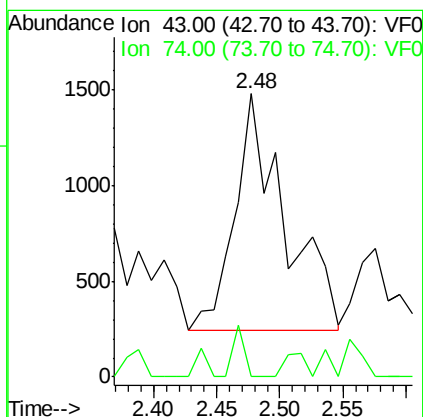
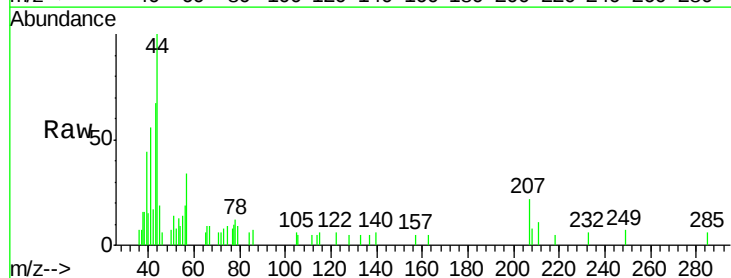
Instrument :
MSVOA_F
ClientSampleId :

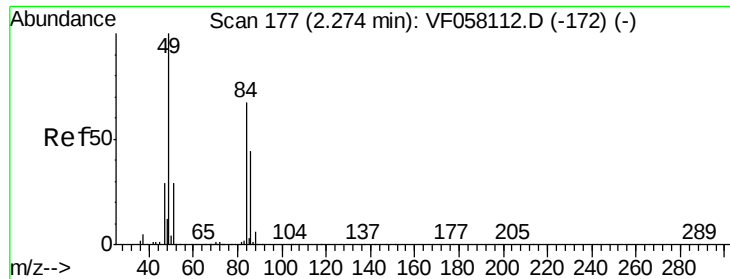
Tot Ion: 43 Resp: 5891
Ion Ratio Lower Upper
43 100
58 16.7 14.4 21.6



#18
Methyl Acetate
Concen: 5.178 ug/l
RT: 2.48 min Scan# 197
Delta R.T. 0.04 min
Lab File: VF059234.D
Acq: 20 Jun 2018 19:08

Tgt Ion: 43 Resp: 3355
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#

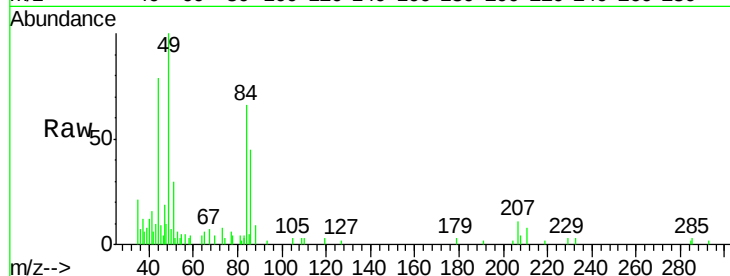




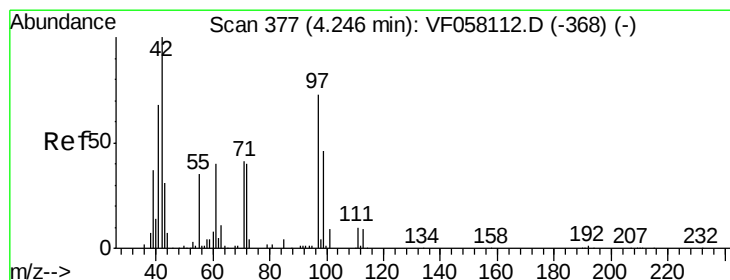
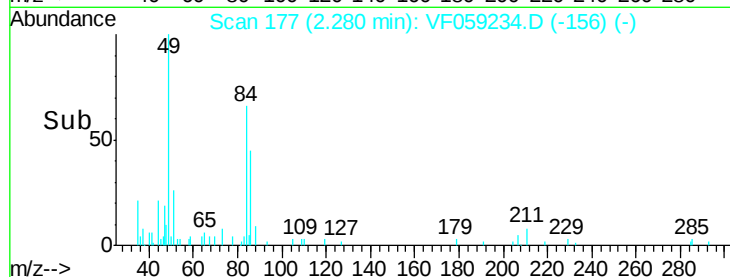
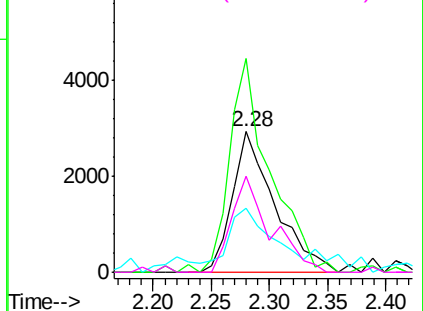
#20
Methvlene Chloride
Concen: 8.177 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059234.D
Acq: 20 Jun 2018 19:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	84	Resp:	7380
Ion	Ratio	Lower	Upper
84	100		
49	152.0	121.0	181.4
51	49.4	35.8	53.6
86	68.1	53.2	79.8

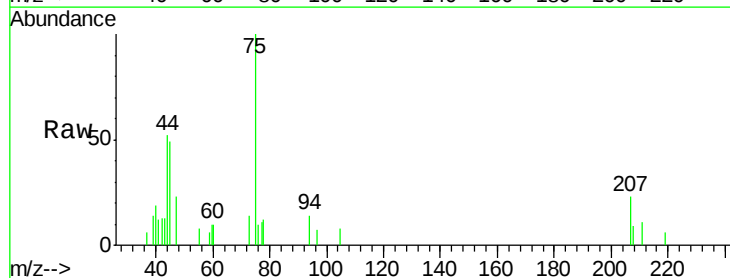


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

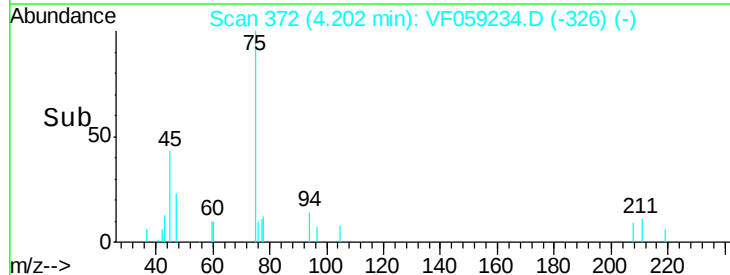
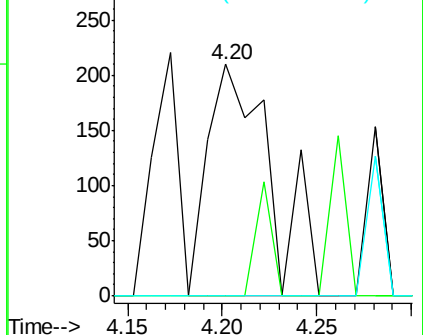


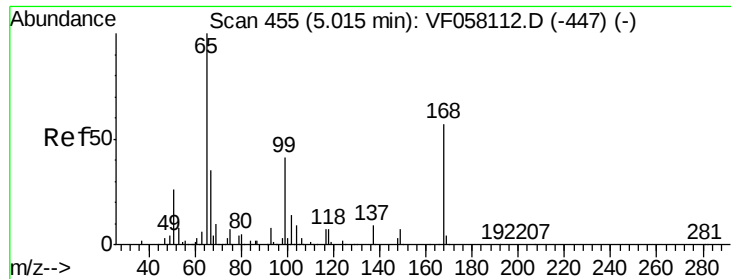
#29
Tetrahydrofuran
Concen: 1.891 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.04 min
Lab File: VF059234.D
Acq: 20 Jun 2018 19:08

Tgt Ion:	42	Resp:	487
Ion	Ratio	Lower	Upper
42	100		
72	12.5	30.5	45.7#
71	0.0	31.5	47.3#



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





#33

1,2-Dichloroethane-d4

Concen: 52.605 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059234.D

Acq: 20 Jun 2018 19:08

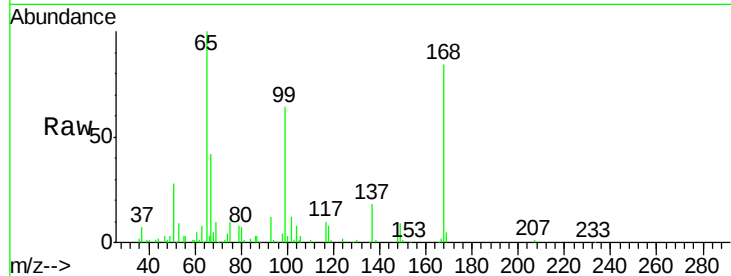
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 83048

Ion Ratio Lower Upper

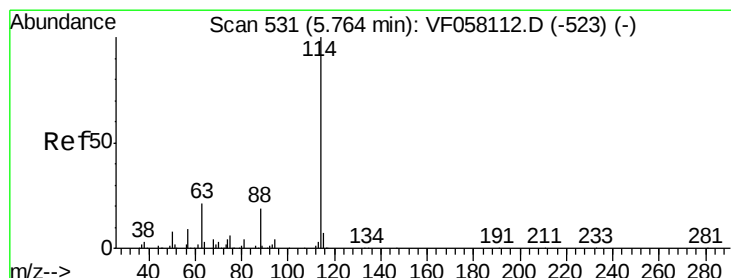
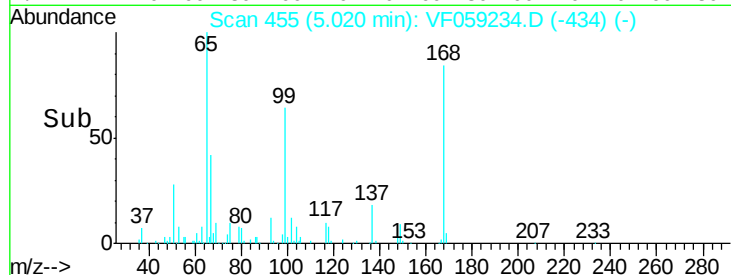
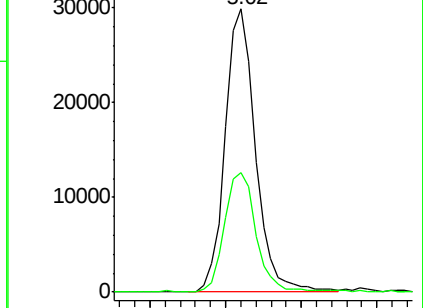
65 100

67 42.4 0.0 97.0



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. -0.00 min

Lab File: VF059234.D

Acq: 20 Jun 2018 19:08

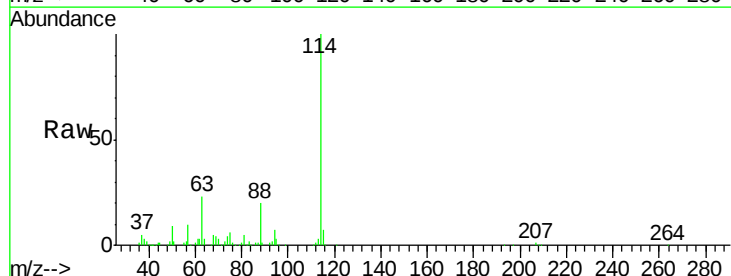
Tgt Ion: 114 Resp: 199754

Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.6

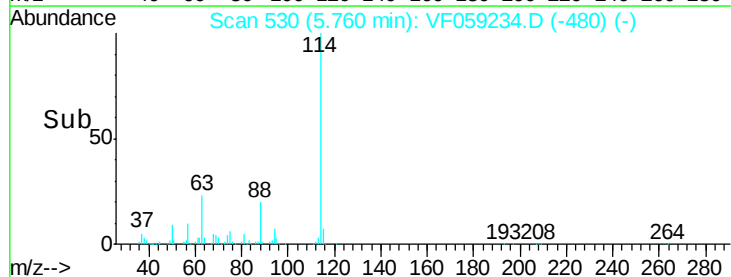
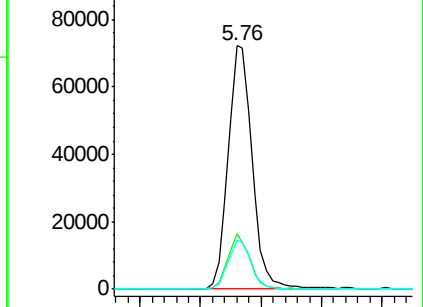
88 20.0 0.0 38.8

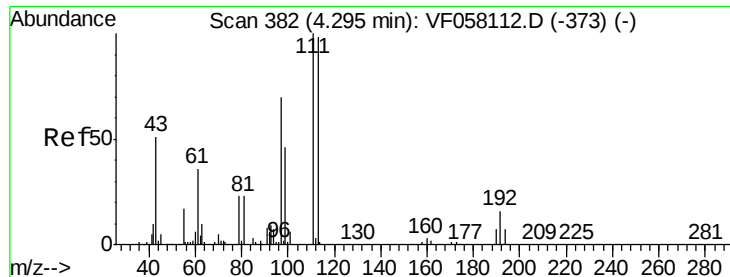


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

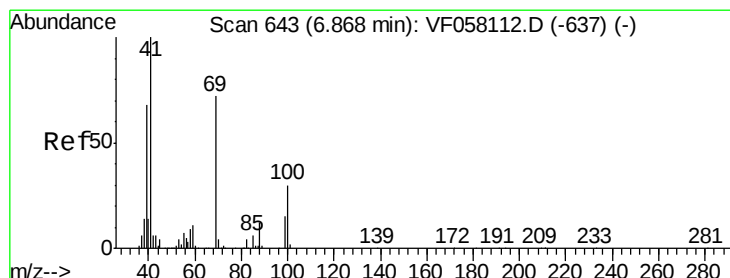
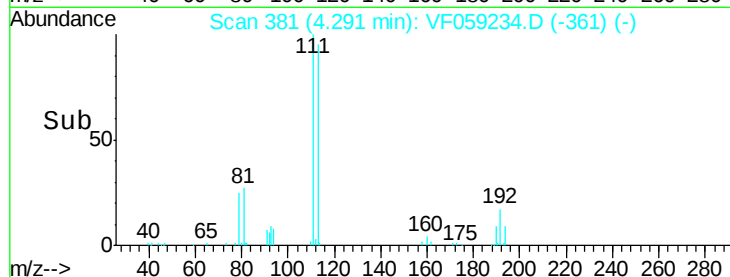
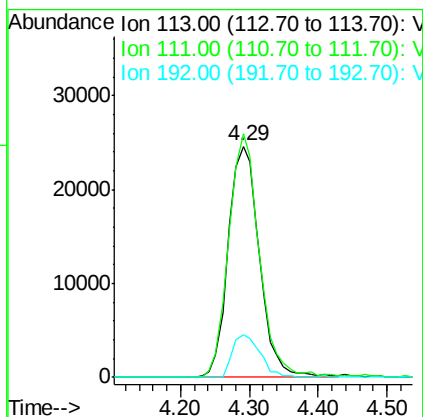
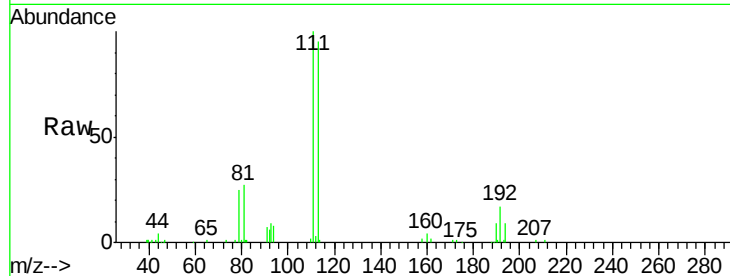




#35
Dibromofluoromethane
Concen: 55.151 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059234.D
Acq: 20 Jun 2018 19:08

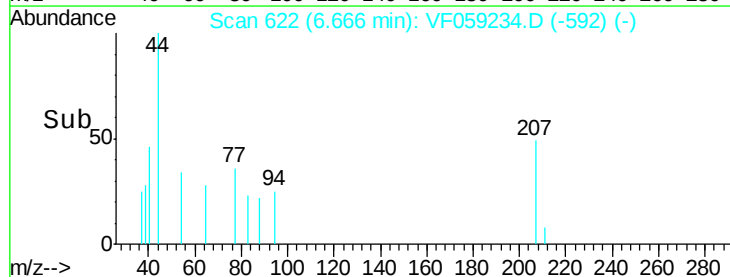
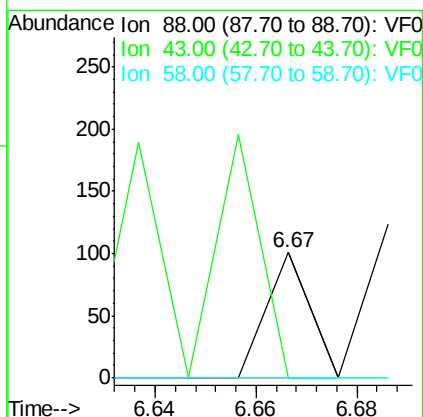
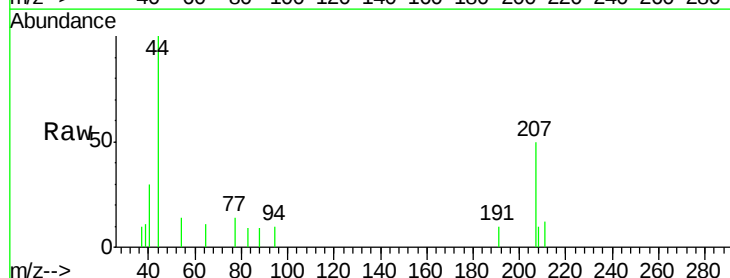
Instrument :
MSVOA_F
ClientSampleId :

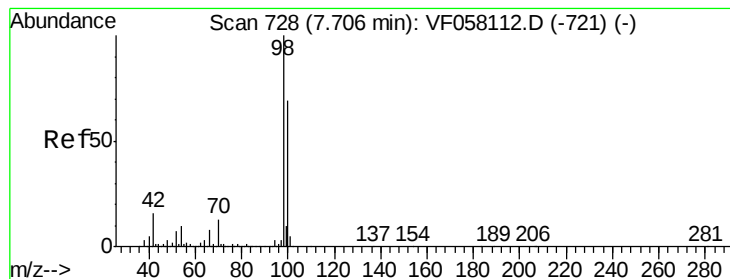
Tot Ion:113 Resp: 77301
Ion Ratio Lower Upper
113 100
111 105.4 81.3 121.9
192 18.4 12.7 19.1



#49
1,4-Dioxane
Concen: 20.499 ug/l
RT: 6.67 min Scan# 622
Delta R.T. -0.20 min
Lab File: VF059234.D
Acq: 20 Jun 2018 19:08

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 47.8 71.8#
58 0.0 59.4 89.0#





#50

Toluene-d8

Concen: 46.225 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059234.D

Acq: 20 Jun 2018 19:08

Instrument :

MSVOA_F

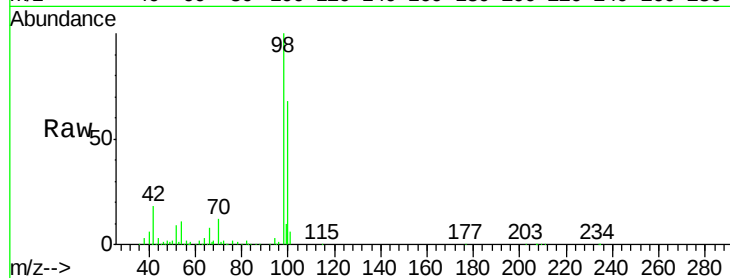
ClientSampleId :

Tot Ion: 98 Resp: 190341

Ion Ratio Lower Upper

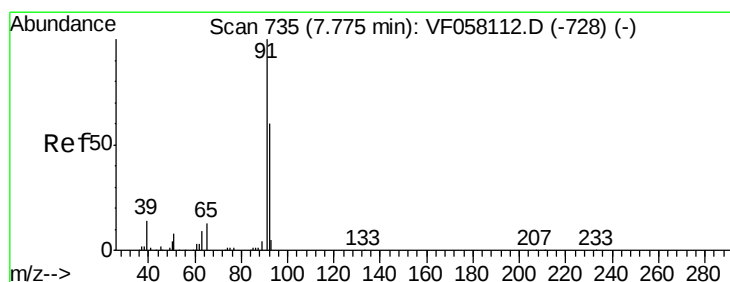
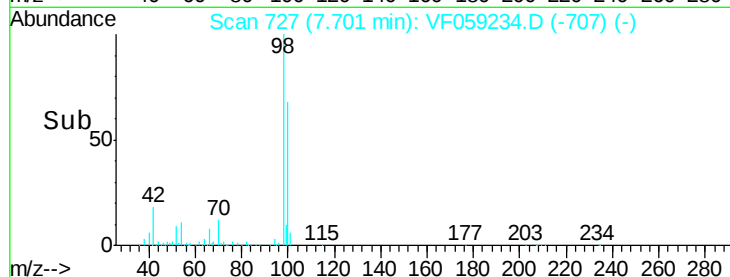
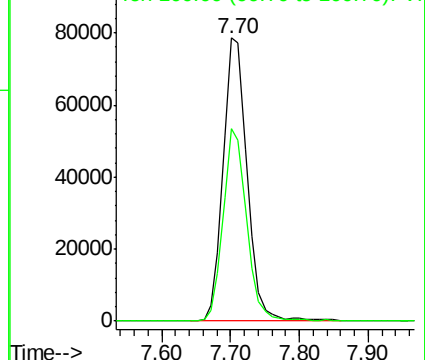
98 100

100 67.9 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#58

2-Chloroethyl Vinyl ether

Concen: 2.942 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059234.D

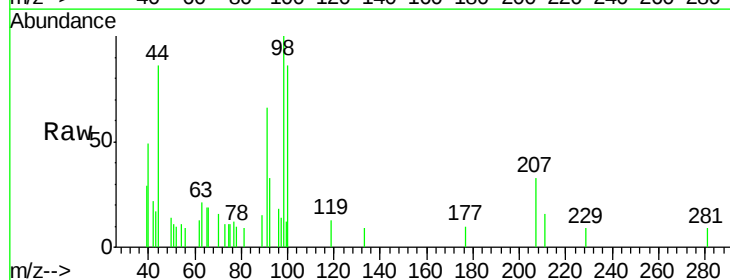
Acq: 20 Jun 2018 19:08

Tgt Ion: 63 Resp: 311

Ion Ratio Lower Upper

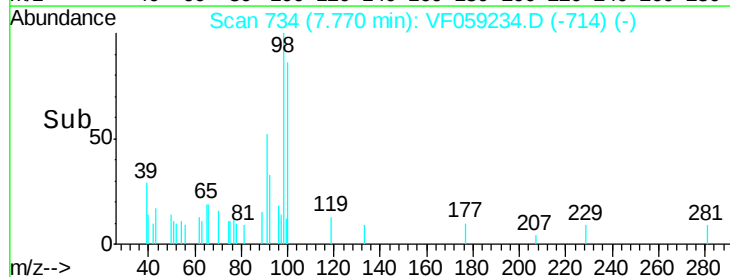
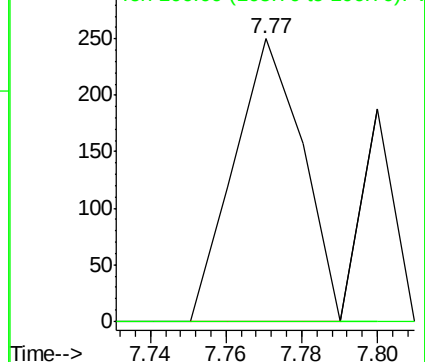
63 100

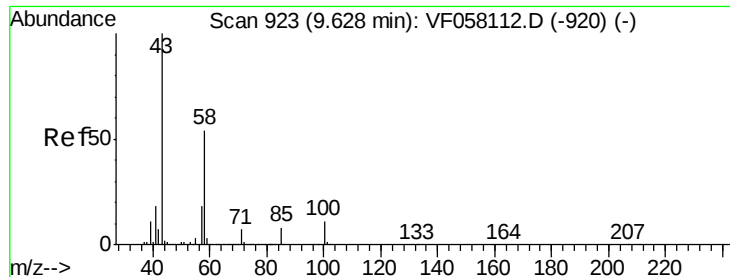
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

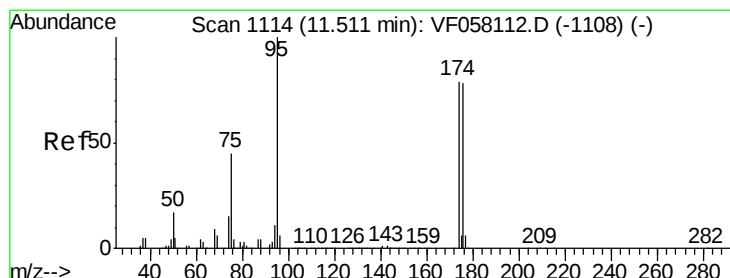
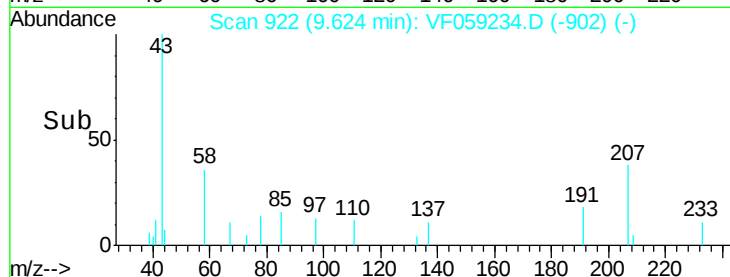
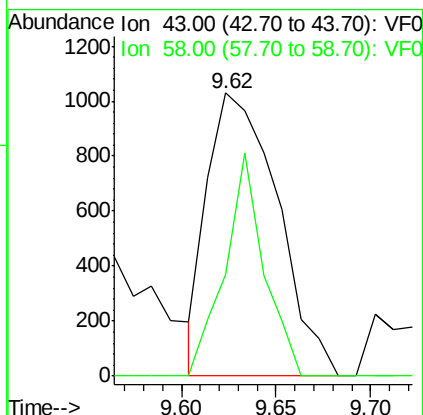
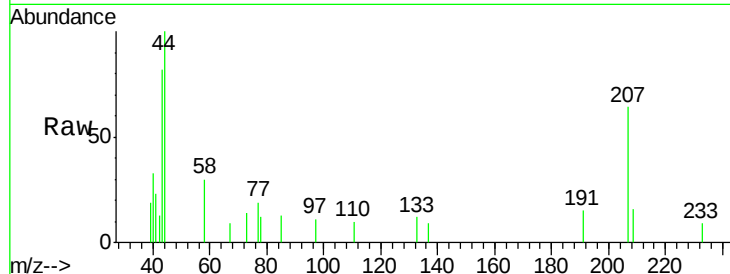




#59
2-Hexanone
Concen: 3.050 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059234.D
Acq: 20 Jun 2018 19:08

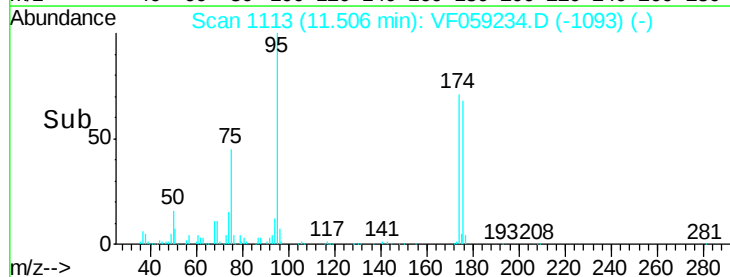
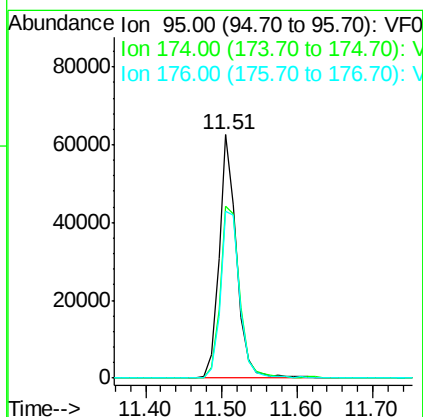
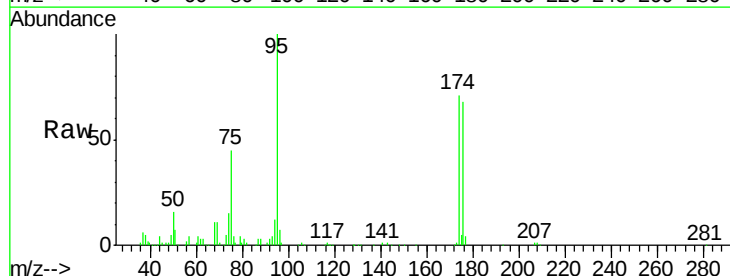
Instrument :
MSVOA_F
ClientSampled :

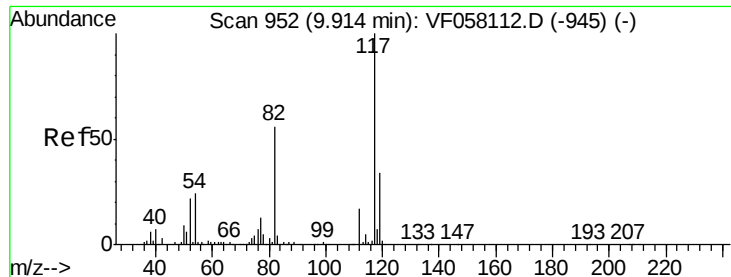
Tot Ion: 43 Resp: 2649
Ion Ratio Lower Upper
43 100
58 36.1 26.3 78.8



#62
4-Bromofluorobenzene
Concen: 47.779 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059234.D
Acq: 20 Jun 2018 19:08

Tgt Ion: 95 Resp: 100908
Ion Ratio Lower Upper
95 100
174 70.7 0.0 157.8
176 68.3 0.0 155.8

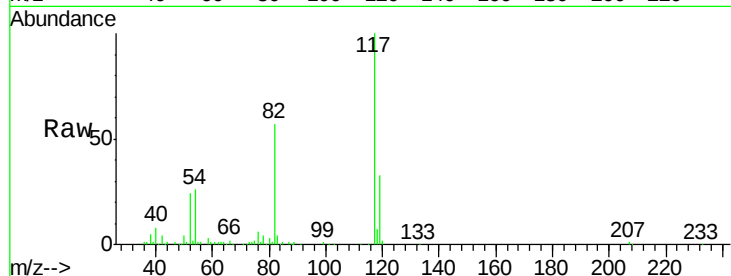




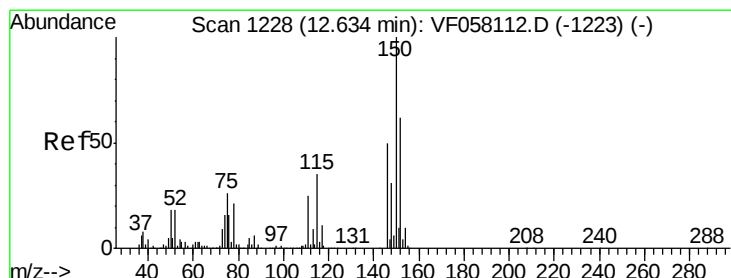
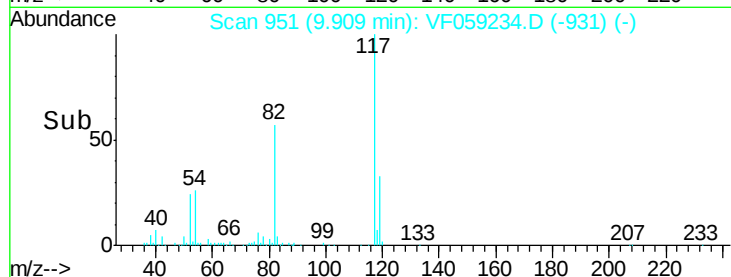
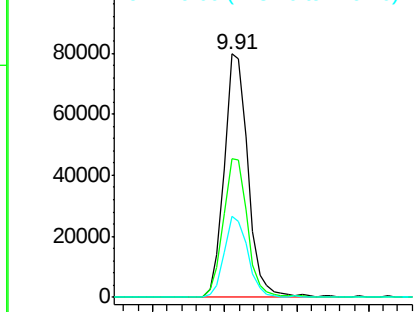
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059234.D
Acq: 20 Jun 2018 19:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 183148
Ion Ratio Lower Upper
117 100
82 56.7 45.2 67.8
119 33.5 27.5 41.3

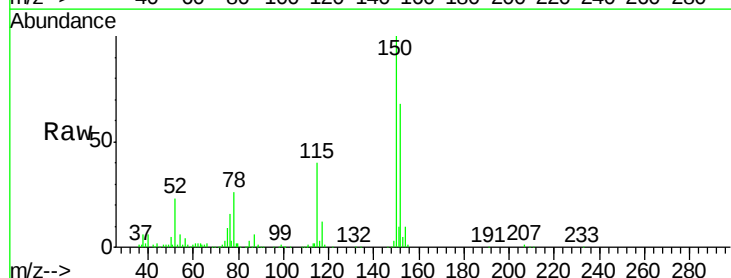


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059234.D
Acq: 20 Jun 2018 19:08

Tgt Ion:152 Resp: 116845
Ion Ratio Lower Upper
152 100
115 59.1 28.5 85.5
150 146.1 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

