

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071018\
 Data File : VF059498.D
 Acq On : 10 Jul 2018 21:39
 Operator : VA/AP
 Sample : J3880-12RE
 Misc : 4.82g/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 11 00:58:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 06:35:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	171325	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.75	114	249505	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.90	117	227145	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	101997	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	134190	45.03	ug/l	0.02
Spiked Amount 50.000			Recovery	=	90.06%	
35) Dibromofluoromethane	4.28	113	111223	46.46	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.92%	
50) Toluene-d8	7.70	98	215938	38.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	76.68%	
62) 4-Bromofluorobenzene	11.50	95	102291	32.56	ug/l	0.02
Spiked Amount 50.000			Recovery	=	65.12%	

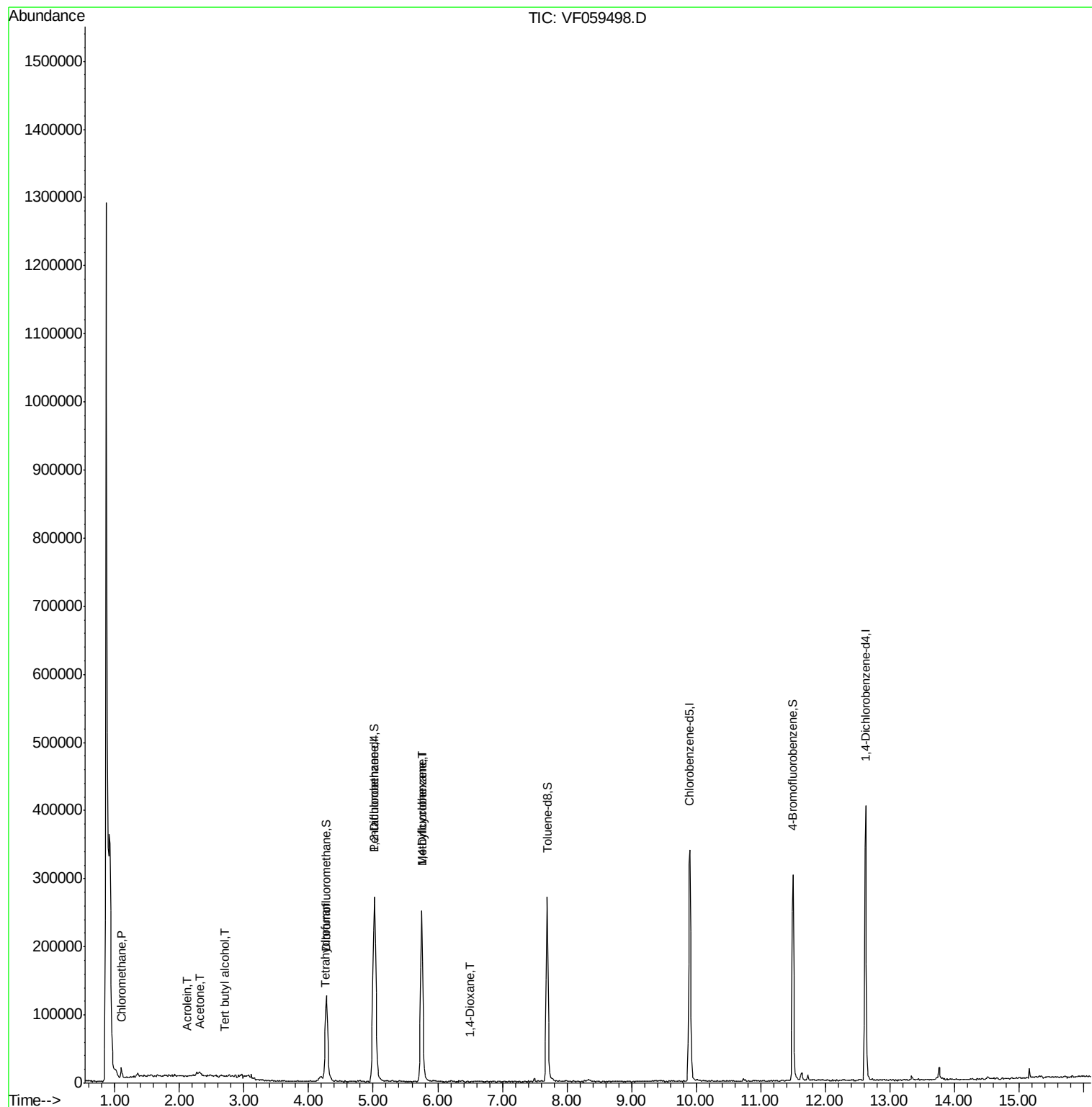
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	1828	1.536	ug/l	95
11) Tert butyl alcohol	2.69	59	890	6.556	ug/l #	1
13) Acrolein	2.13	56	516	4.906	ug/l	90
16) Acetone	2.33	43	1034	2.320	ug/l	97
20) Methylene Chloride	2.26	84	2155	Below Cal	#	68
29) Tetrahydrofuran	4.25	42	361	1.268	ug/l #	60
39) Methylcyclohexane	5.75	83	4309	1.947	ug/l #	39
49) 1,4-Dioxane	6.49	88	63	10.988	ug/l #	1

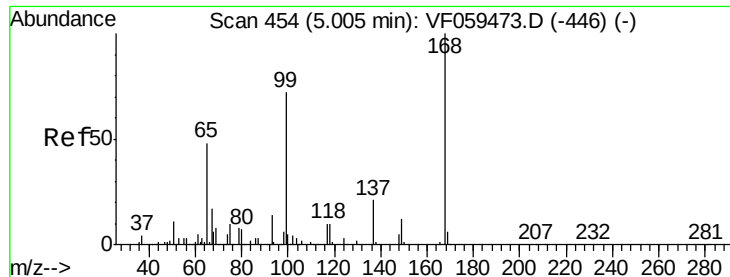
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.02 min

Lab File: VF059498.D

Acq: 10 Jul 2018 21:39

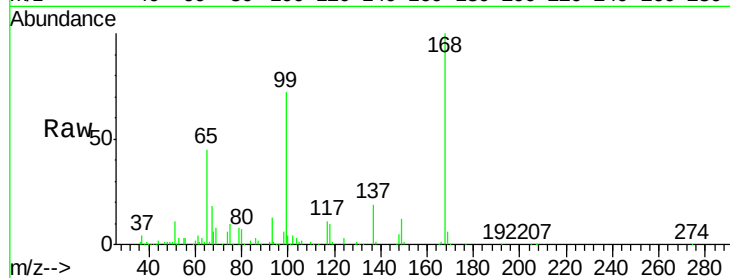
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 171325

Ion Ratio Lower Upper

168 100

99 71.8 57.7 86.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

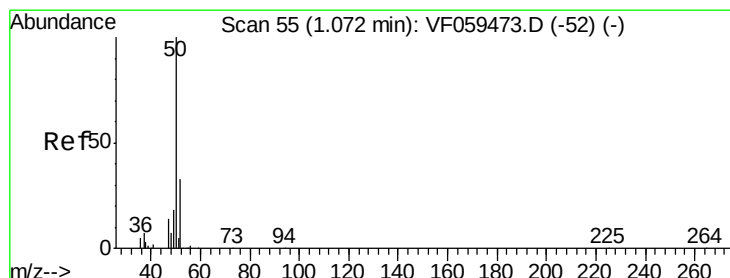
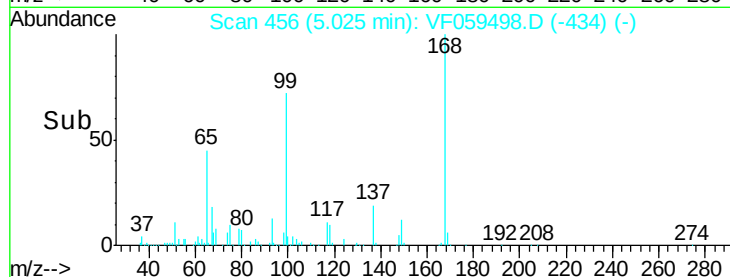
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 1.536 ug/l

RT: 1.10 min Scan# 58

Delta R.T. 0.03 min

Lab File: VF059498.D

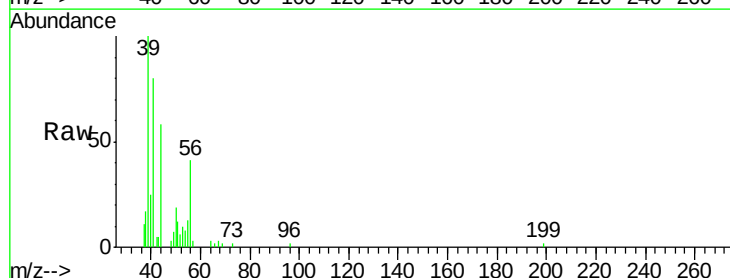
Acq: 10 Jul 2018 21:39

Tgt Ion: 50 Resp: 1828

Ion Ratio Lower Upper

50 100

52 29.7 25.9 38.9



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1200

1000

800

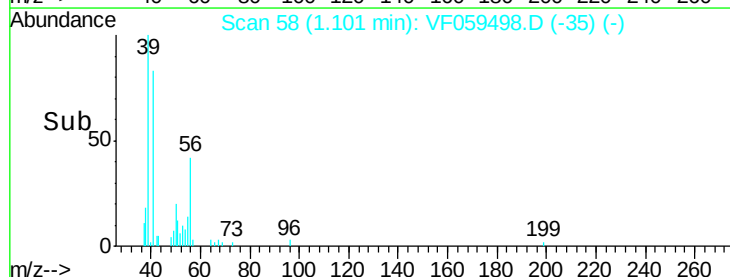
600

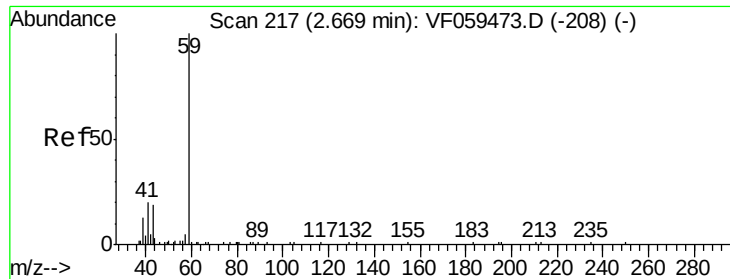
400

200

0

Time-->

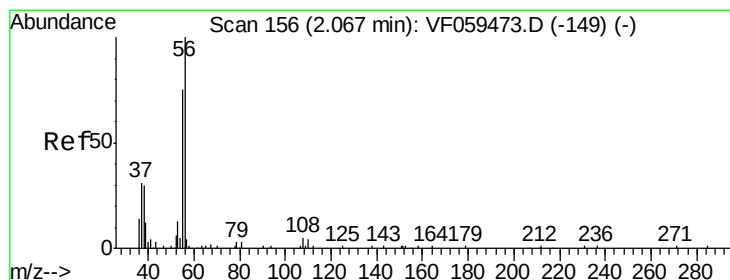
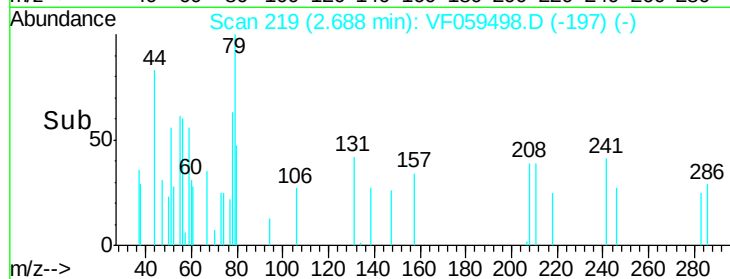
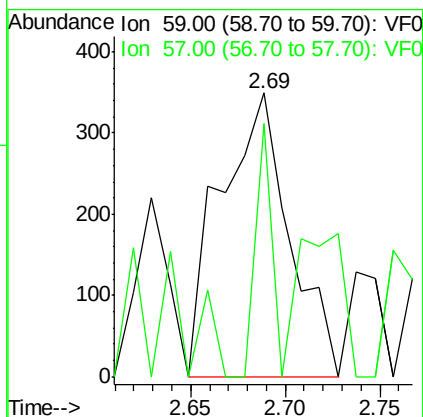
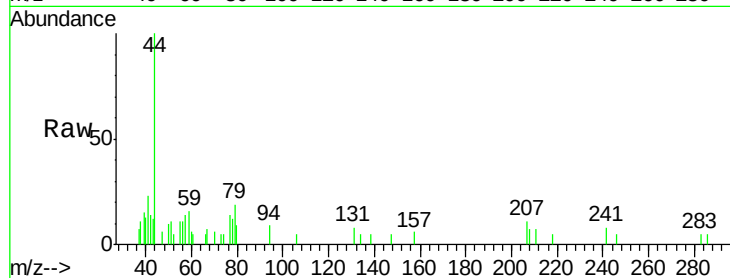




#11
Tert butyl alcohol
Concen: 6.556 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.02 min
Lab File: VF059498.D
Acq: 10 Jul 2018 21:39

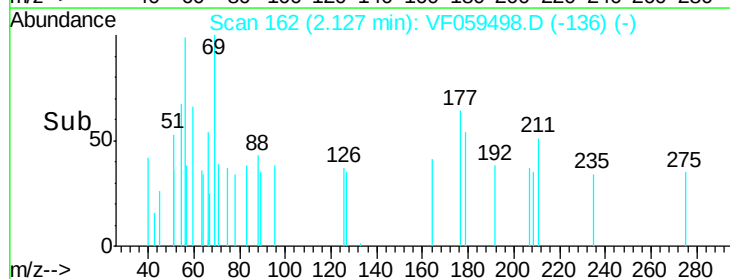
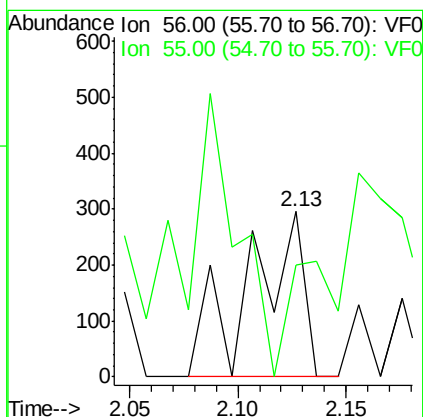
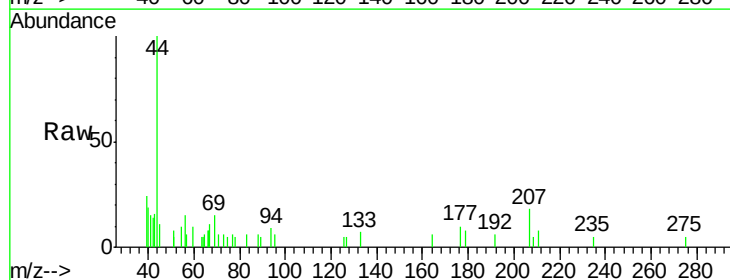
Instrument :
MSVOA_F
ClientSampleId :

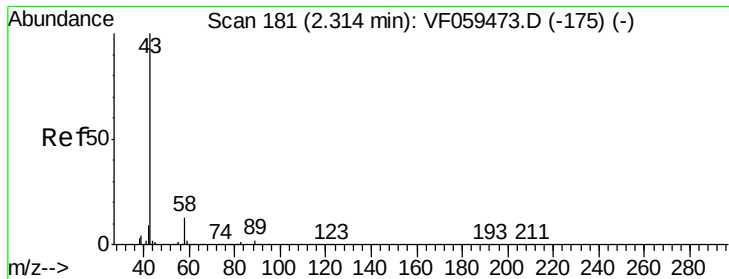
Tot Ion: 59 Resp: 890
Ion Ratio Lower Upper
59 100
57 89.4 7.8 11.8#



#13
Acrolein
Concen: 4.906 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.06 min
Lab File: VF059498.D
Acq: 10 Jul 2018 21:39

Tgt Ion: 56 Resp: 516
Ion Ratio Lower Upper
56 100
55 68.1 61.2 91.8

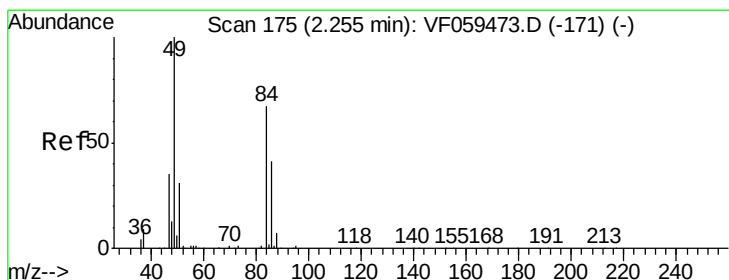
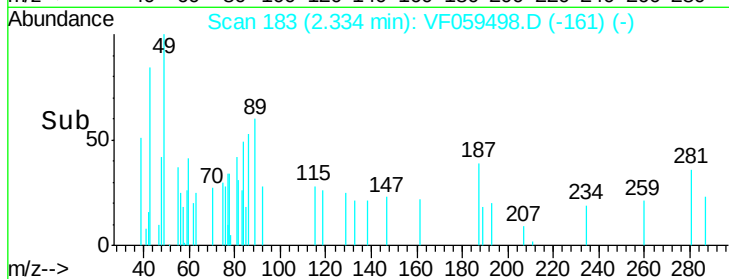
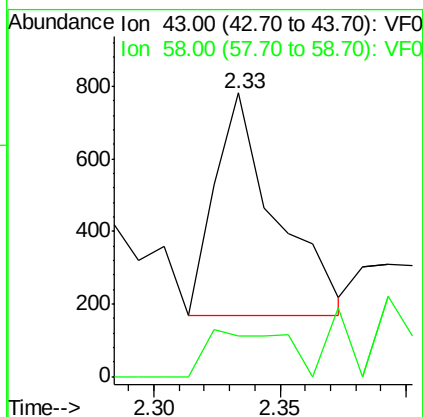
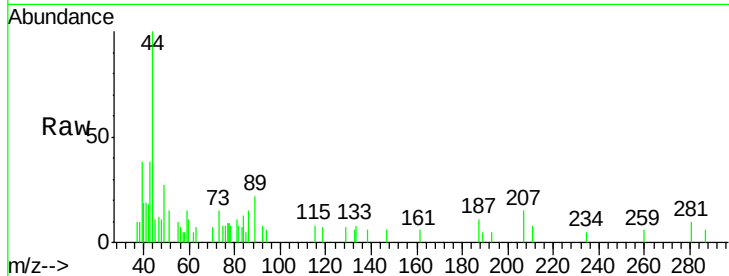




#16
Acetone
Concen: 2.320 ug/l
RT: 2.33 min Scan# 183
Delta R.T. 0.02 min
Lab File: VF059498.D
Acq: 10 Jul 2018 21:39

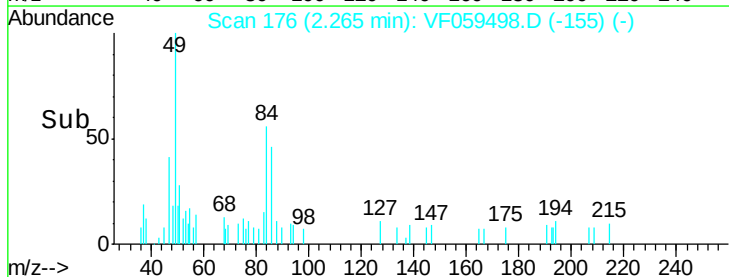
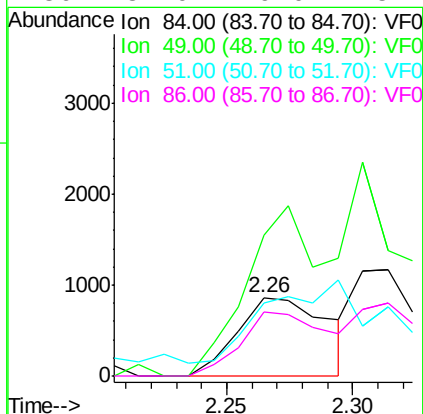
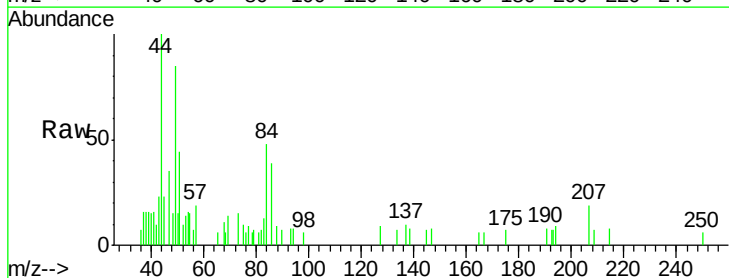
Instrument :
MSVOA_F
ClientSampled :

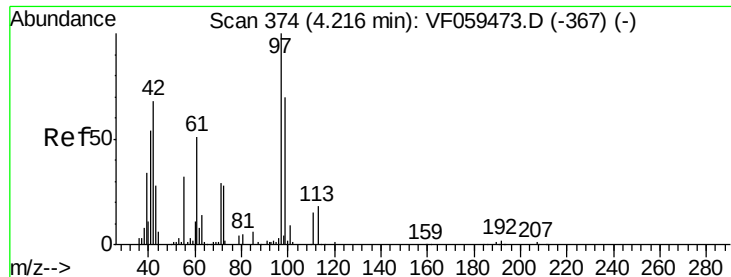
Tot Ion: 43 Resp: 1034
Ion Ratio Lower Upper
43 100
58 14.2 10.5 15.7



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF059498.D
Acq: 10 Jul 2018 21:39

Tgt Ion: 84 Resp: 2155
Ion Ratio Lower Upper
84 100
49 179.0 120.4 180.6
51 92.8 38.1 57.1#
86 82.0 49.0 73.4#





#29

Tetrahydrofuran

Concen: 1.268 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.03 min

Lab File: VF059498.D

Acq: 10 Jul 2018 21:39

Instrument :

MSVOA_F

ClientSampleId :

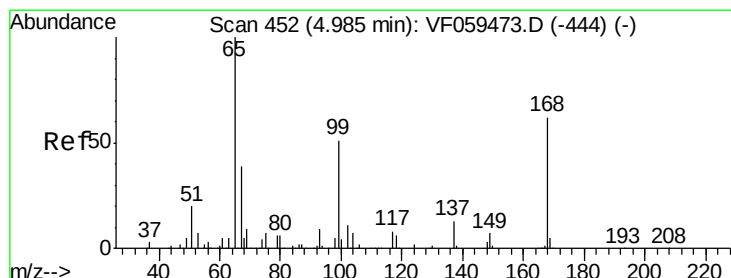
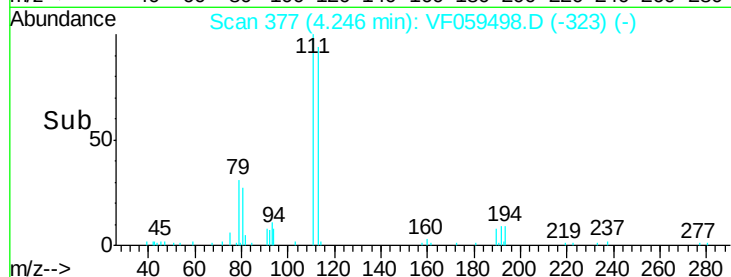
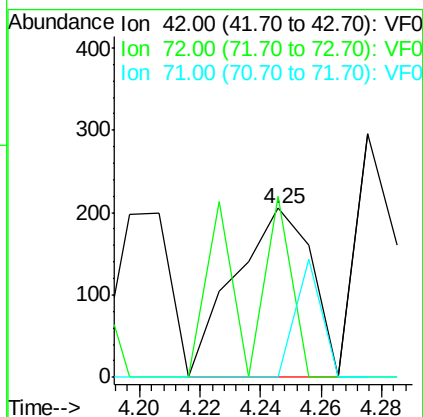
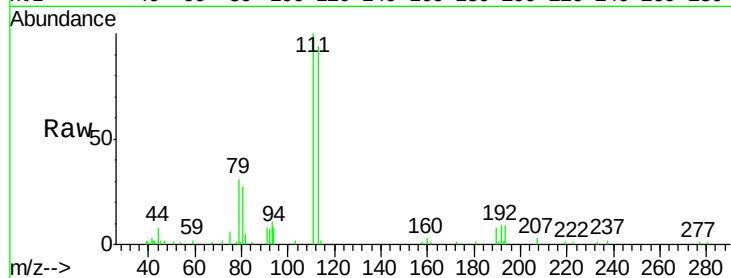
Tot Ion: 42 Resp: 361

Ion Ratio Lower Upper

42 100

72 70.6 29.2 43.8#

71 23.5 30.1 45.1#



#33

1,2-Dichloroethane-d4

Concen: 45.032 ug/l

RT: 5.00 min Scan# 454

Delta R.T. 0.02 min

Lab File: VF059498.D

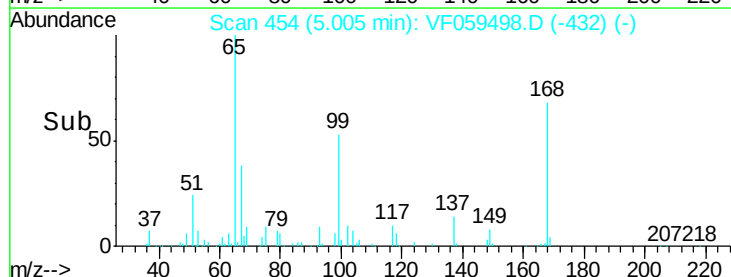
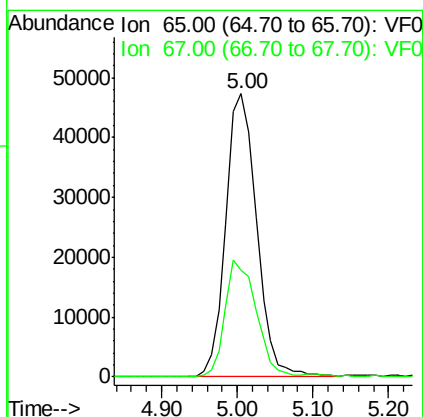
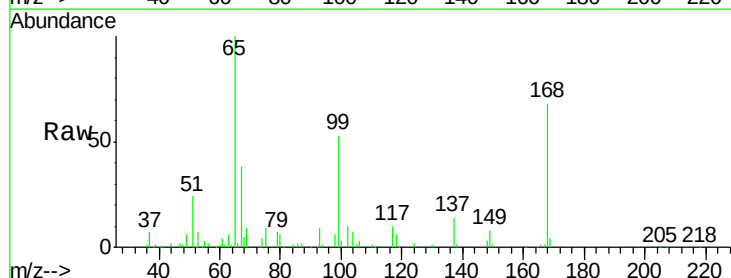
Acq: 10 Jul 2018 21:39

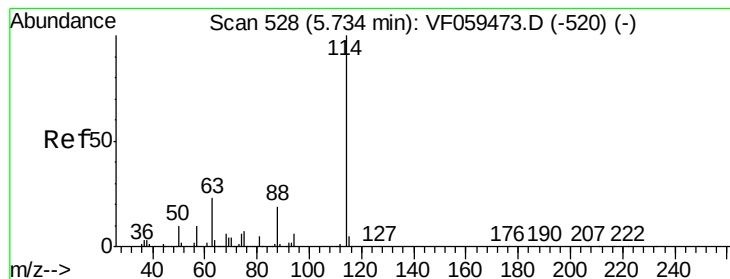
Tgt Ion: 65 Resp: 134190

Ion Ratio Lower Upper

65 100

67 37.8 0.0 88.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.02 min

Lab File: VF059498.D

Acq: 10 Jul 2018 21:39

Instrument :

MSVOA_F

ClientSampleId :

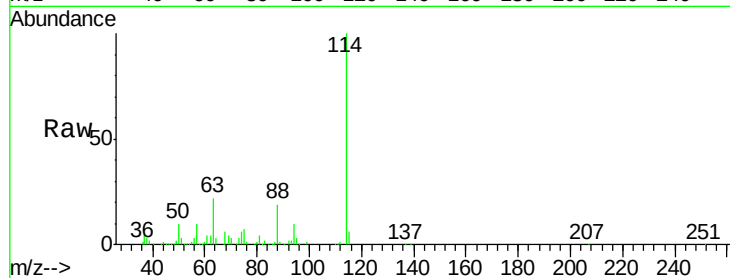
Tot Ion:114 Resp: 249505

Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.2

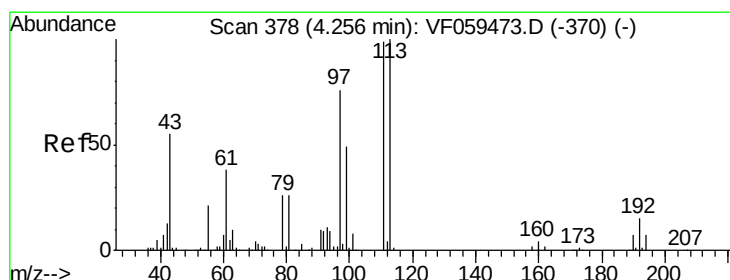
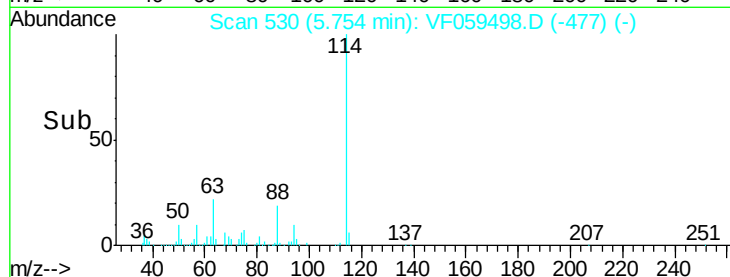
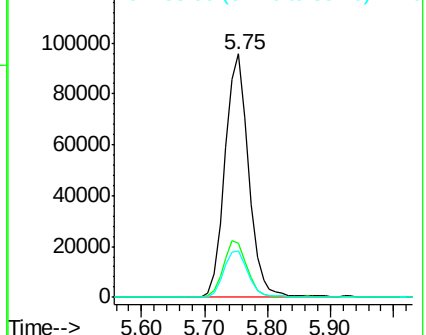
88 19.2 0.0 38.0



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: 46.459 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF059498.D

Acq: 10 Jul 2018 21:39

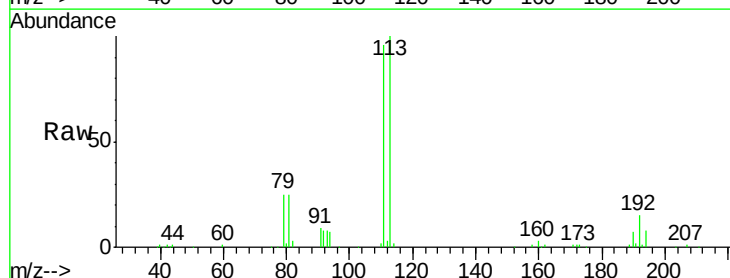
Tgt Ion:113 Resp: 111223

Ion Ratio Lower Upper

113 100

111 95.8 79.3 118.9

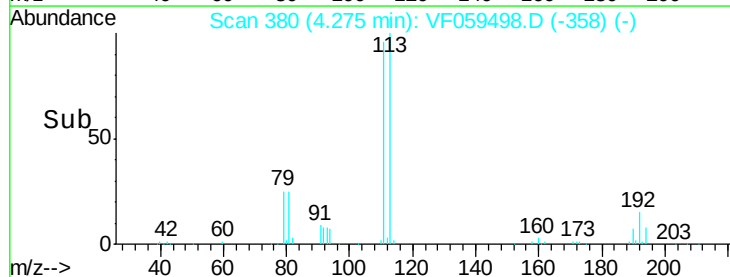
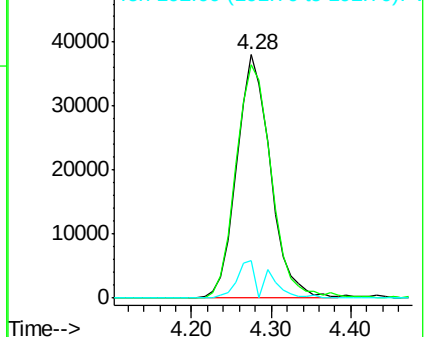
192 15.4 12.0 18.0

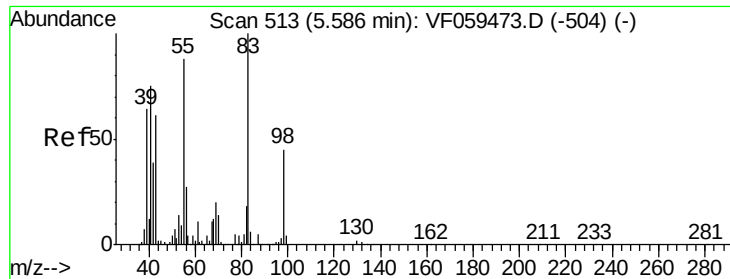


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

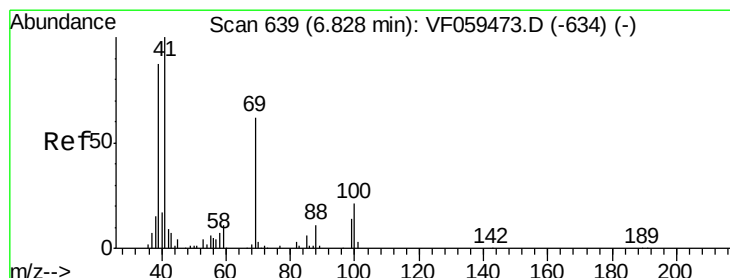
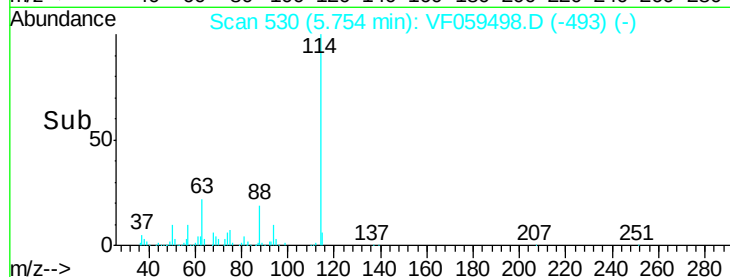
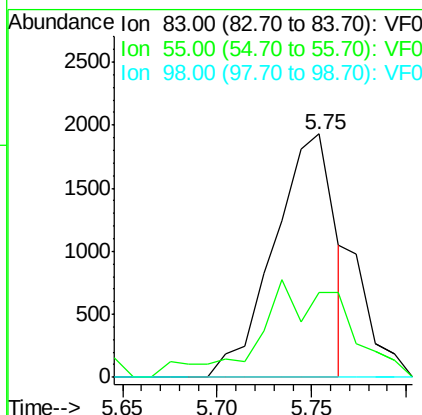
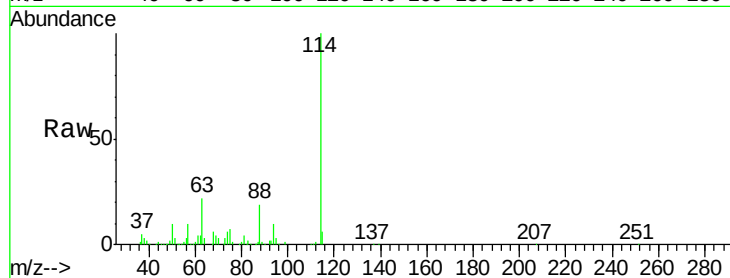




#39
Methylcyclohexane
Concen: 1.947 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.17 min
Lab File: VF059498.D
Acq: 10 Jul 2018 21:39

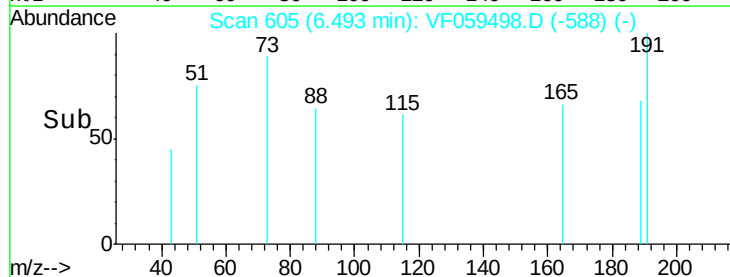
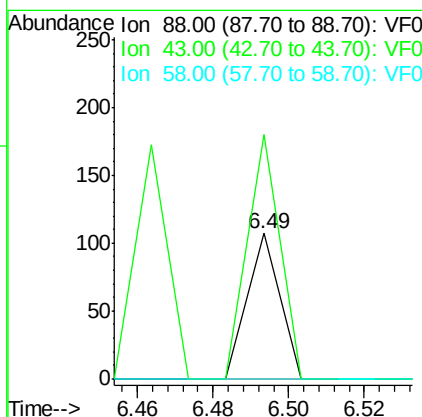
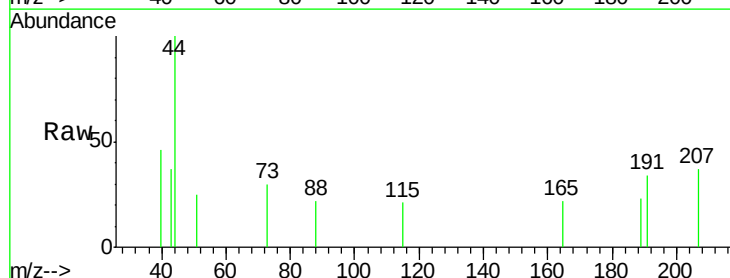
Instrument :
MSVOA_F
ClientSampled :

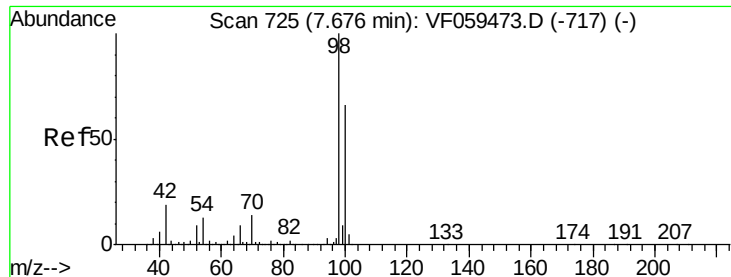
Tot Ion: 83 Resp: 4309
Ion Ratio Lower Upper
83 100
55 35.0 70.6 105.8#
98 0.0 36.3 54.5#



#49
1,4-Dioxane
Concen: 10.988 ug/l
RT: 6.49 min Scan# 605
Delta R.T. -0.34 min
Lab File: VF059498.D
Acq: 10 Jul 2018 21:39

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 168.2 57.3 85.9#
58 0.0 54.6 81.8#

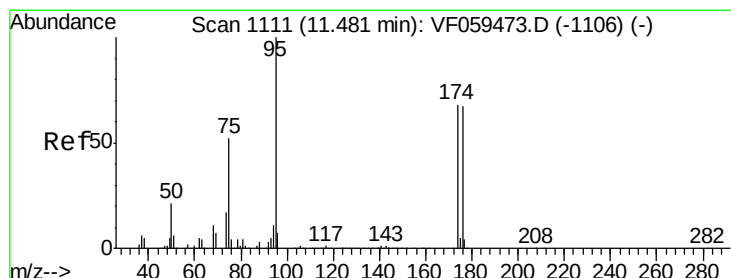
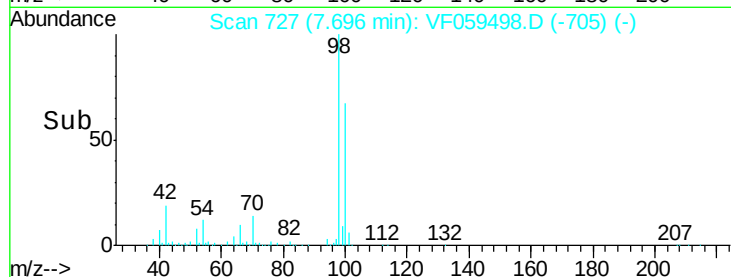
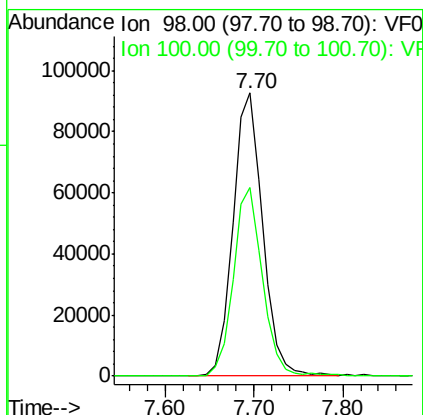
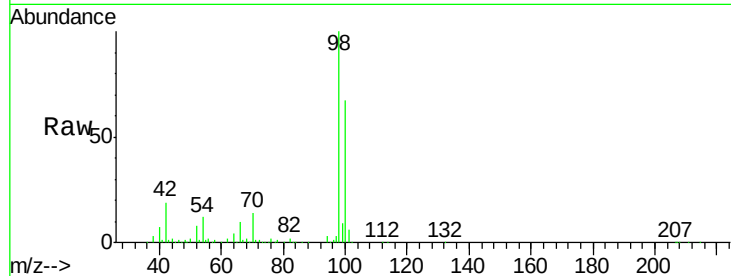




#50
Toluene-d8
Concen: 38.343 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.02 min
Lab File: VF059498.D
Acq: 10 Jul 2018 21:39

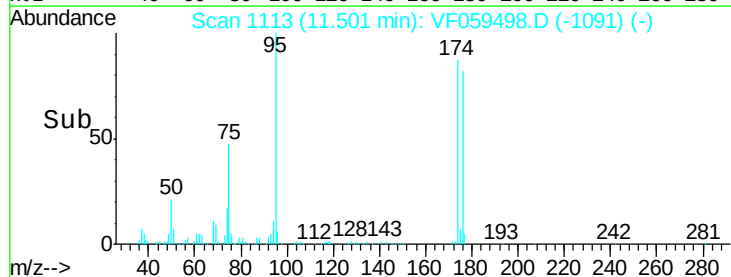
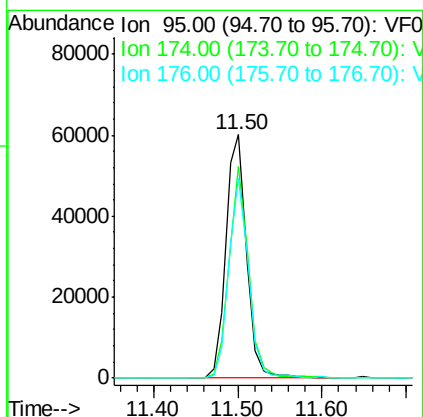
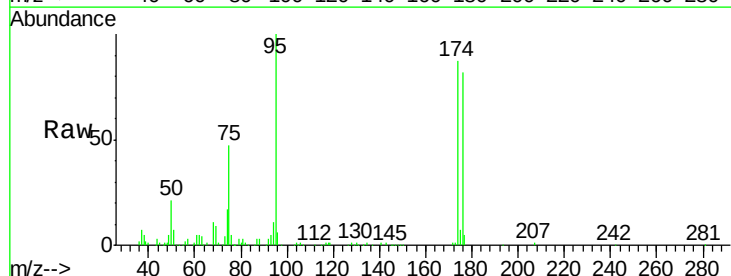
Instrument :
MSVOA_F
ClientSampled :

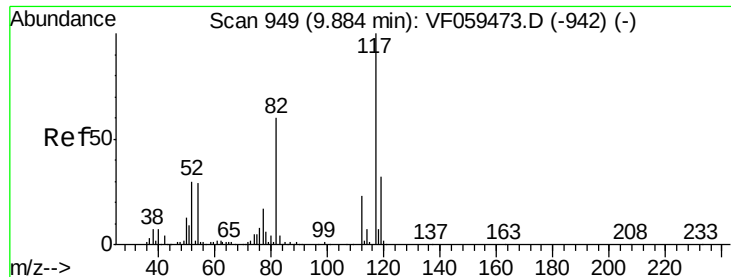
Tot Ion: 98 Resp: 215938
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 32.560 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF059498.D
Acq: 10 Jul 2018 21:39

Tgt Ion: 95 Resp: 102291
Ion Ratio Lower Upper
95 100
174 87.0 0.0 137.0
176 82.4 0.0 133.8

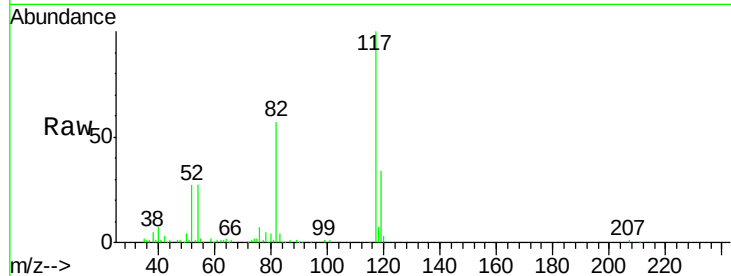




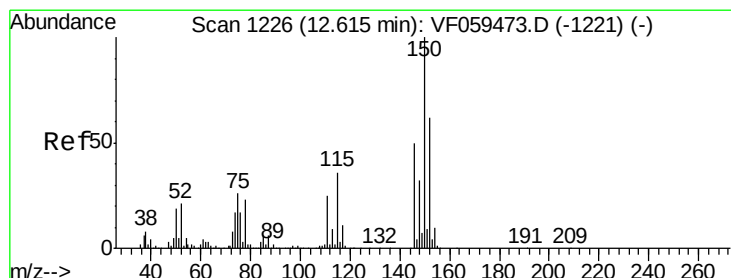
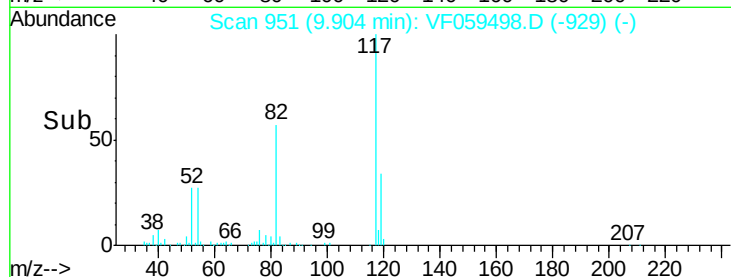
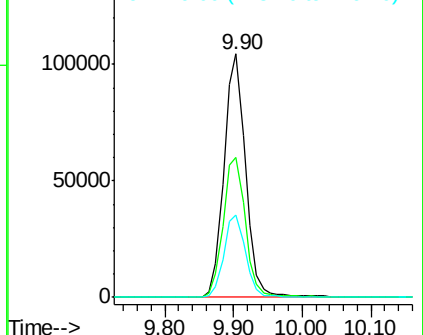
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. 0.02 min
Lab File: VF059498.D
Acq: 10 Jul 2018 21:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 227145
Ion Ratio Lower Upper
117 100
82 57.3 48.2 72.4
119 33.6 25.7 38.5

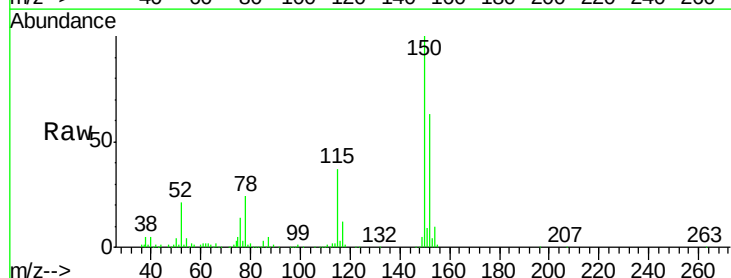


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF059498.D
Acq: 10 Jul 2018 21:39

Tgt Ion:152 Resp: 101997
Ion Ratio Lower Upper
152 100
115 58.9 28.7 86.3
150 157.9 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

