

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071018\
 Data File : VF059493.D
 Acq On : 10 Jul 2018 19:20
 Operator : VA/AP
 Sample : J3879-20RE
 Misc : 4.66g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 11 00:57:24 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	5.03	168	188651	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.75	114	304099	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.90	117	257933	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	110338	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	126852	38.66	ug/l	0.02
Spiked Amount 50.000			Recovery	=	77.32%	
35) Dibromofluoromethane	4.28	113	109937	37.68	ug/l	0.02
Spiked Amount 50.000			Recovery	=	75.36%	
50) Toluene-d8	7.70	98	198623	28.94	ug/l	0.02
Spiked Amount 50.000			Recovery	=	57.88%	
62) 4-Bromofluorobenzene	11.50	95	96439	25.19	ug/l	0.02
Spiked Amount 50.000			Recovery	=	50.38%	

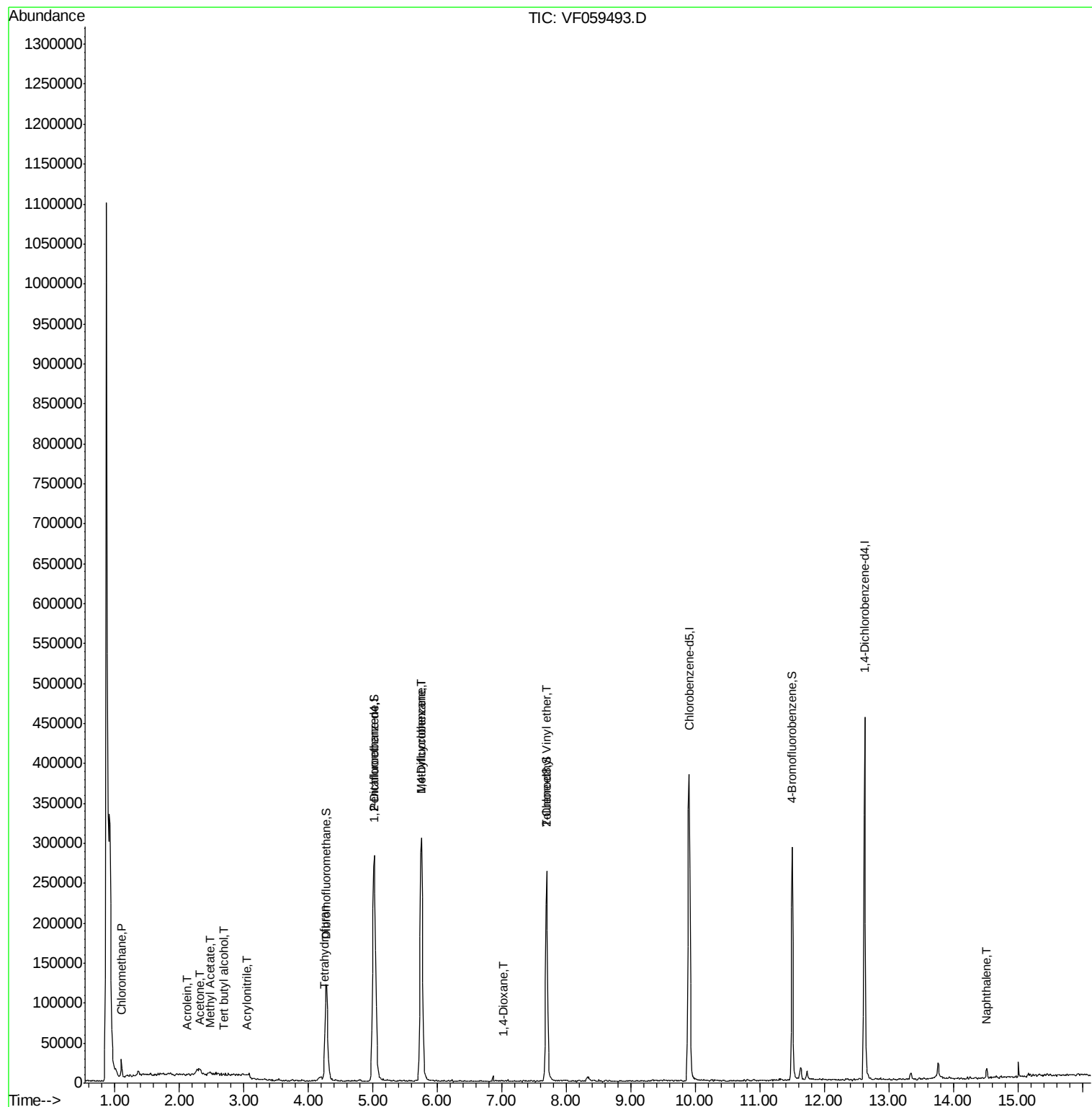
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	1782	1.360	ug/l #	65
11) Tert butyl alcohol	2.70	59	362	2.422	ug/l #	1
13) Acrolein	2.12	56	422	3.643	ug/l	96
15) Acrylonitrile	3.04	53	325	1.191	ug/l #	36
16) Acetone	2.33	43	657	1.339	ug/l #	44
18) Methyl Acetate	2.46	43	2388	2.096	ug/l #	85
20) Methylene Chloride	2.28	84	2802	Below Cal	#	92
29) Tetrahydrofuran	4.25	42	635	2.026	ug/l #	59
39) Methylcyclohexane	5.74	83	4516	1.674	ug/l #	43
49) 1,4-Dioxane	7.02	88	62	8.872	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.71	63	450	2.265	ug/l	100
95) Naphthalene	14.52	128	7511	1.459	ug/l #	88

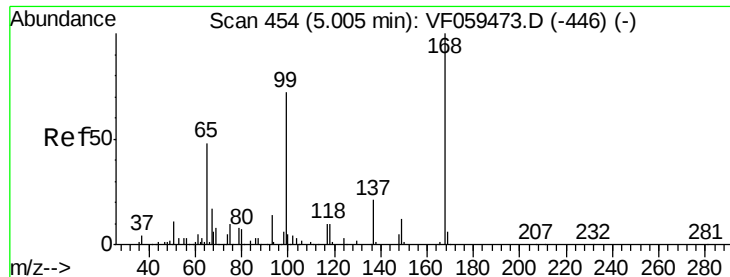
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071018\
Data File : VF059493.D
Acq On : 10 Jul 2018 19:20
Operator : VA/AP
Sample : J3879-20RE
Misc : 4.66µ/5mL/MSVOA F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 11 00:57:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 06:35:36 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: VF059493.D

Acq: 10 Jul 2018 19:20

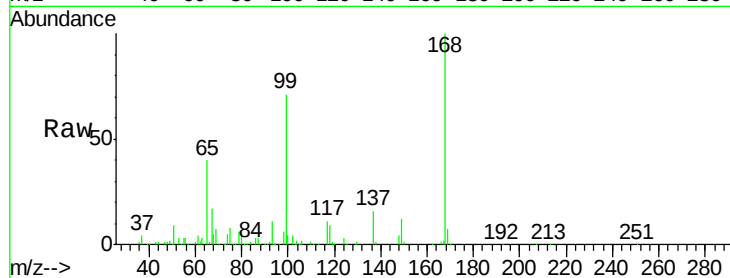
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 188651

Ion Ratio Lower Upper

168 100

99 70.8 57.7 86.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

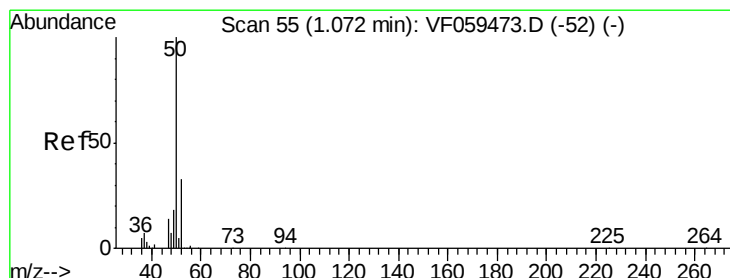
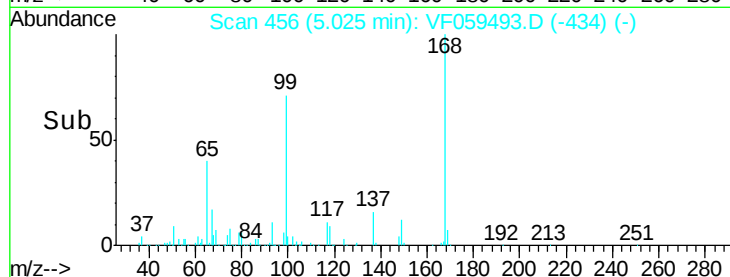
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: 1.360 ug/l

RT: 1.10 min Scan# 58

Delta R.T. 0.03 min

Lab File: VF059493.D

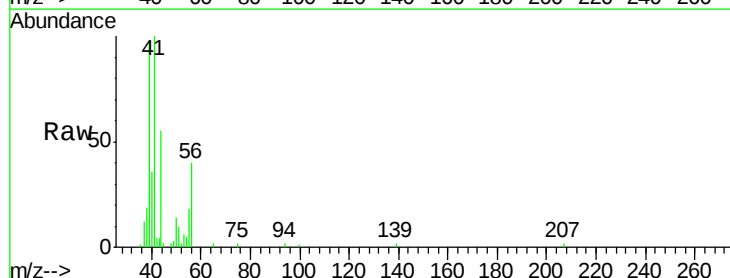
Acq: 10 Jul 2018 19:20

Tgt Ion: 50 Resp: 1782

Ion Ratio Lower Upper

50 100

52 12.7 25.9 38.9#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.10

1000

800

600

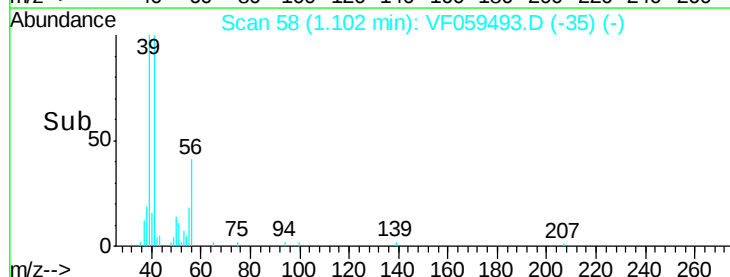
400

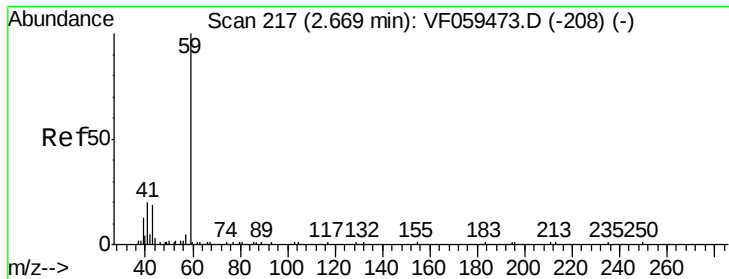
200

0

Time-->

1.05 1.10 1.15



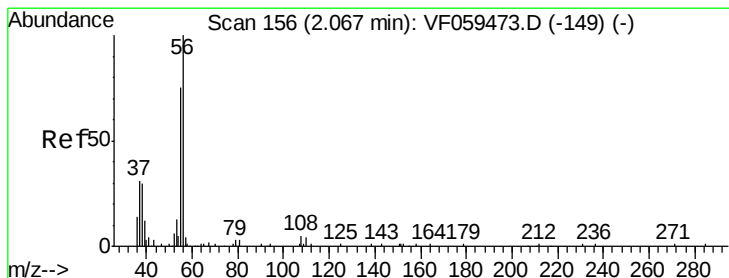
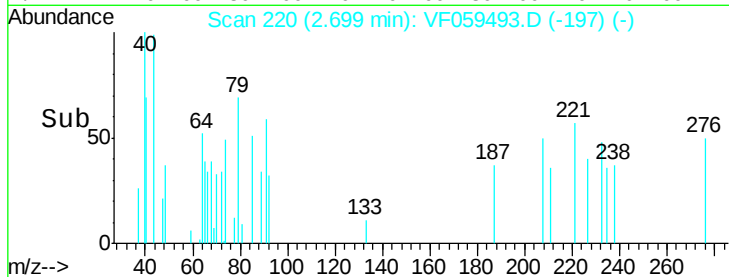
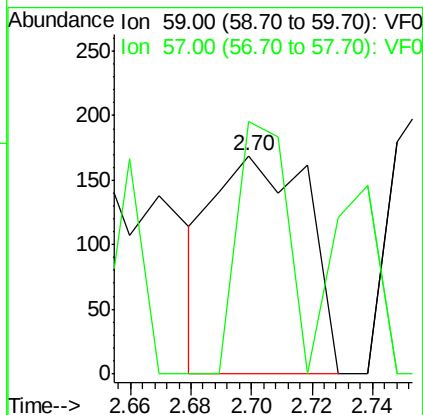
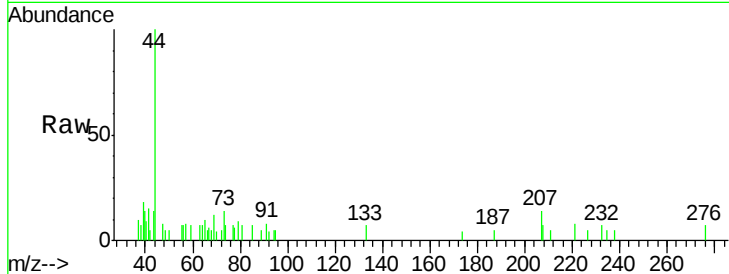


#11

Tert butyl alcohol
 Concen: 2.422 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.03 min
 Lab File: VF059493.D
 Acq: 10 Jul 2018 19:20

Instrument :
 MSVOA_F
 ClientSampleId :

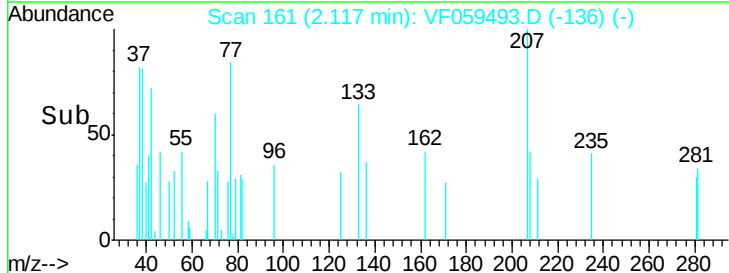
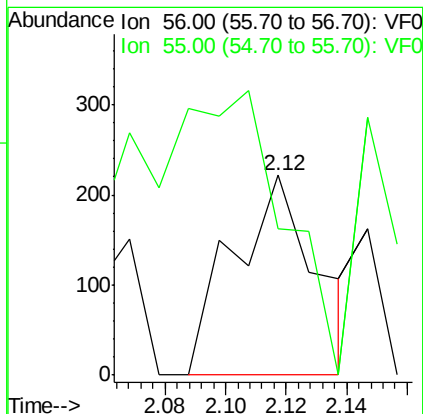
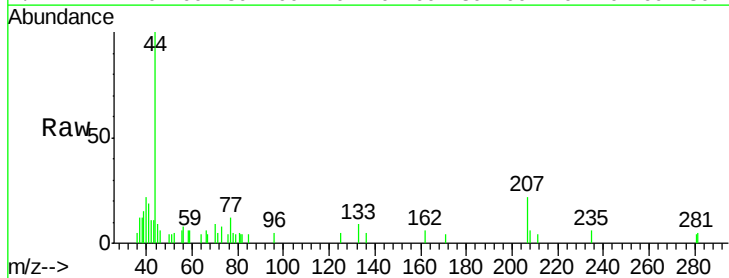
Tot Ion: 59 Resp: 362
 Ion Ratio Lower Upper
 59 100
 57 116.0 7.8 11.8#

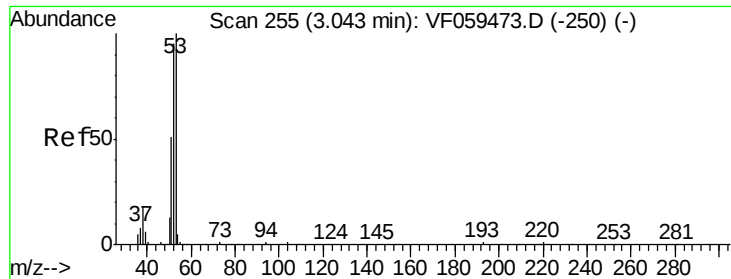


#13

Acrolein
 Concen: 3.643 ug/l
 RT: 2.12 min Scan# 161
 Delta R.T. 0.05 min
 Lab File: VF059493.D
 Acq: 10 Jul 2018 19:20

Tgt Ion: 56 Resp: 422
 Ion Ratio Lower Upper
 56 100
 55 73.0 61.2 91.8





#15

Acrylonitrile

Concen: 1.191 ug/l

RT: 3.04 min Scan# 255

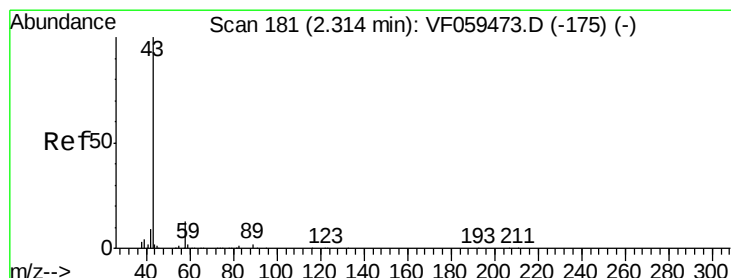
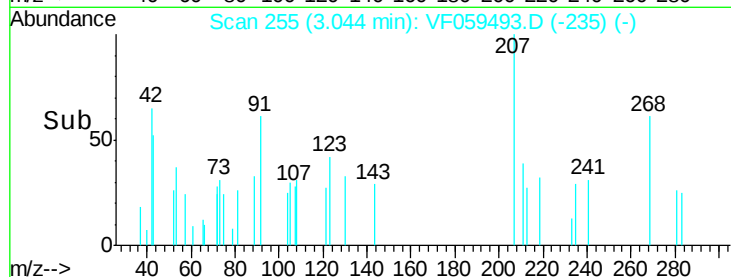
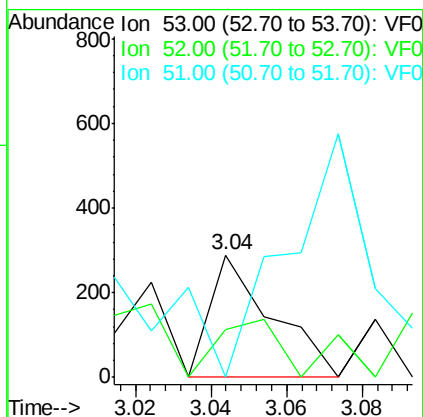
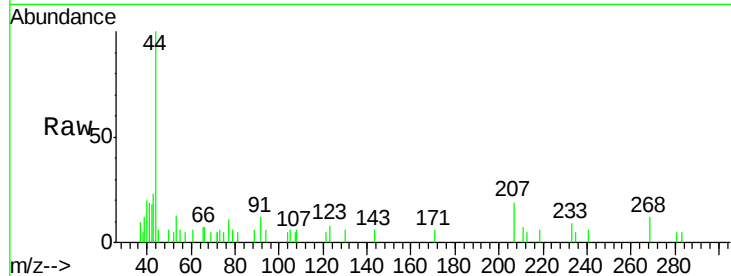
Delta R.T. 0.00 min

Lab File: VF059493.D

Acq: 10 Jul 2018 19:20

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	325
Ion	Ratio	Lower	Upper
53	100		
52	39.1	76.8	115.2#
51	0.0	41.8	62.8#



#16

Acetone

Concen: 1.339 ug/l

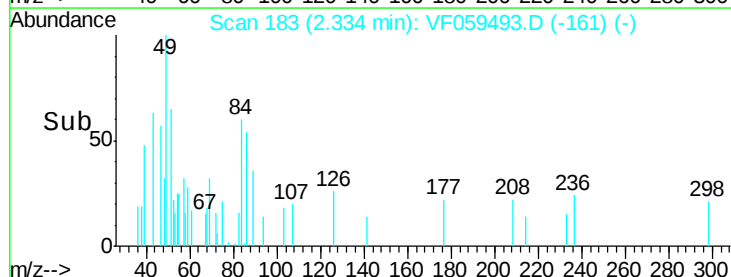
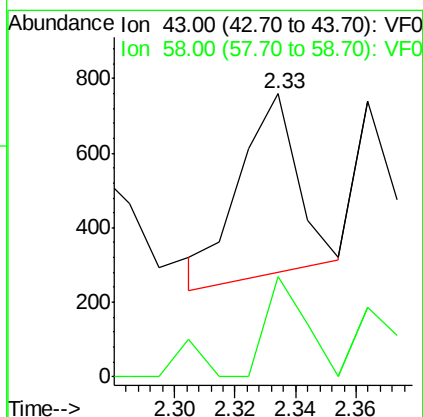
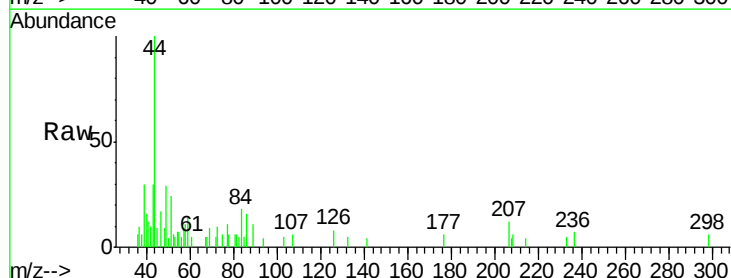
RT: 2.33 min Scan# 183

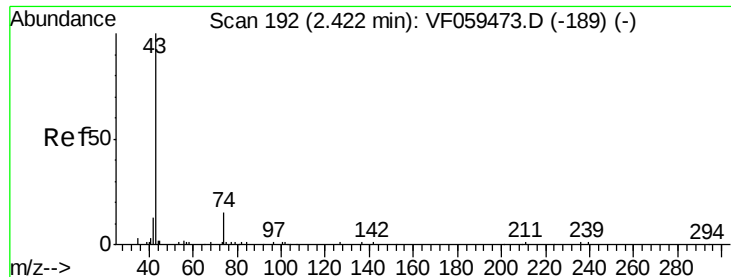
Delta R.T. 0.02 min

Lab File: VF059493.D

Acq: 10 Jul 2018 19:20

Tgt Ion:	43	Resp:	657
Ion	Ratio	Lower	Upper
43	100		
58	35.6	10.5	15.7#

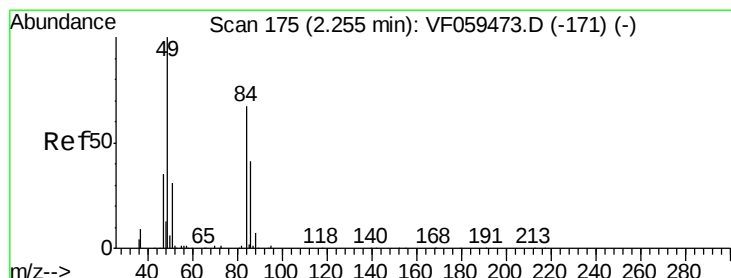
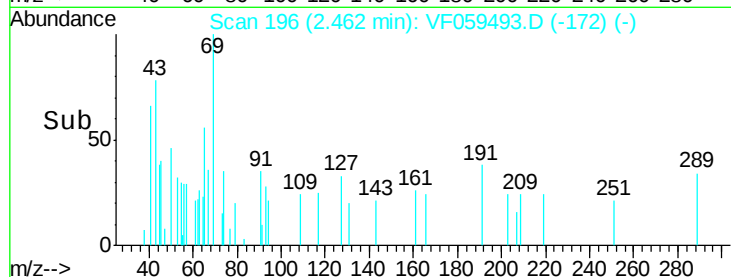
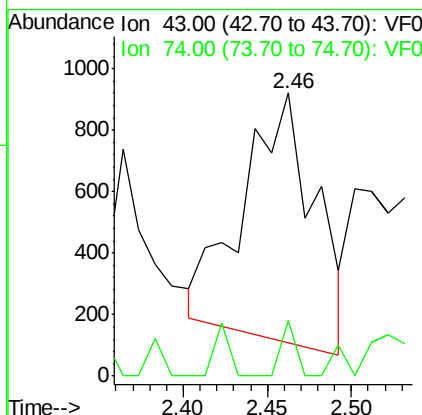
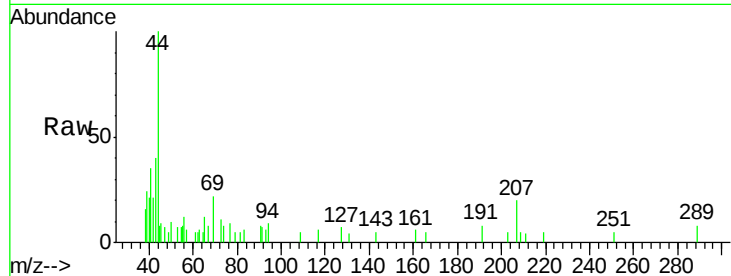




#18
Methyl Acetate
Concen: 2.096 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.04 min
Lab File: VF059493.D
Acq: 10 Jul 2018 19:20

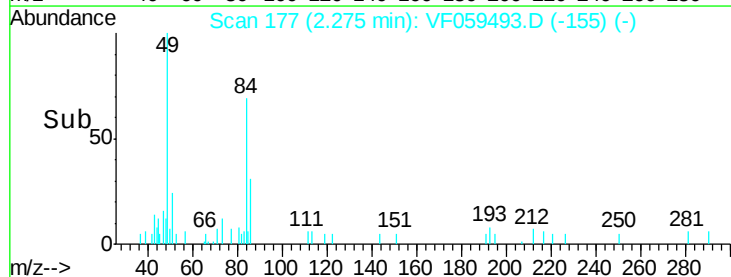
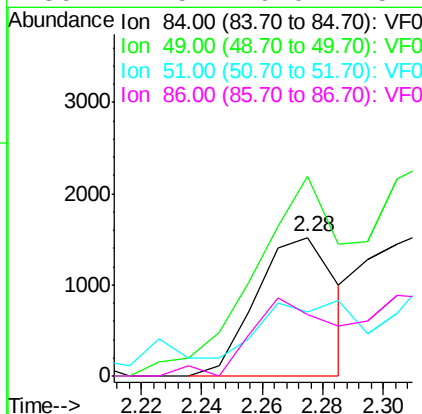
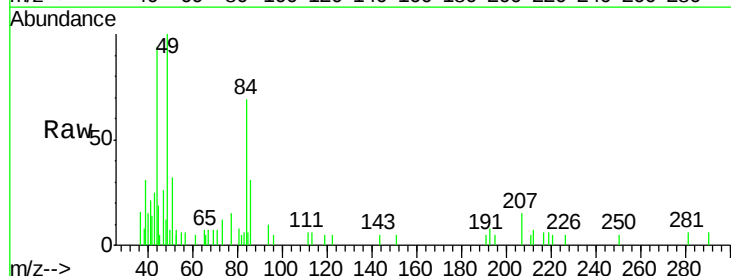
Instrument :
MSVOA_F
ClientSampled :

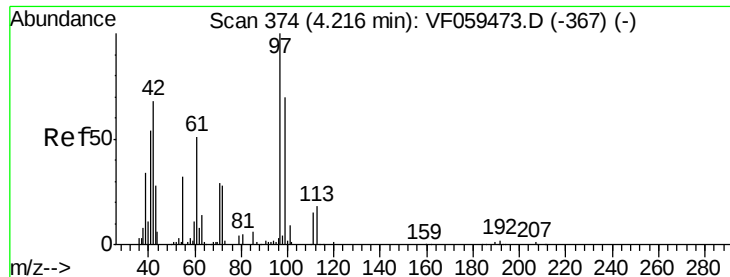
Tot Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
74 19.5 10.8 16.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF059493.D
Acq: 10 Jul 2018 19:20

Tgt Ion: 84 Resp: 2802
Ion Ratio Lower Upper
84 100
49 143.9 120.4 180.6
51 46.4 38.1 57.1
86 44.5 49.0 73.4#





#29

Tetrahydrofuran

Concen: 2.026 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.03 min

Lab File: VF059493.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_F

ClientSampleId :

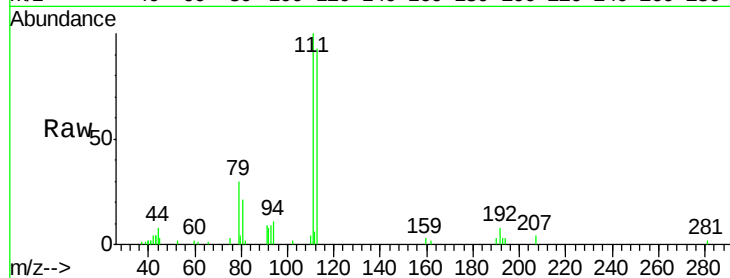
Tot Ion: 42 Resp: 635

Ion Ratio Lower Upper

42 100

72 25.0 29.2 43.8#

71 0.0 30.1 45.1#



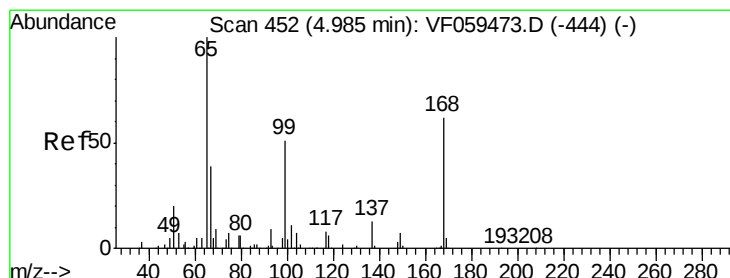
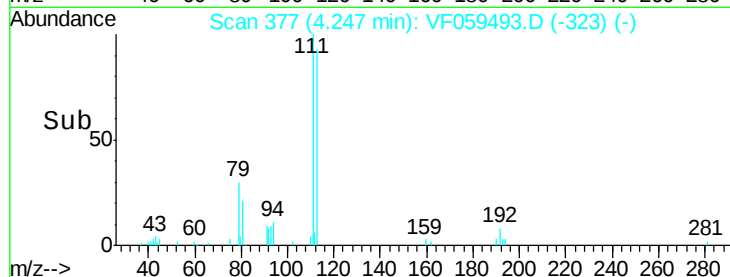
Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

4.25

Time-->



#33

1,2-Dichloroethane-d4

Concen: 38.660 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.02 min

Lab File: VF059493.D

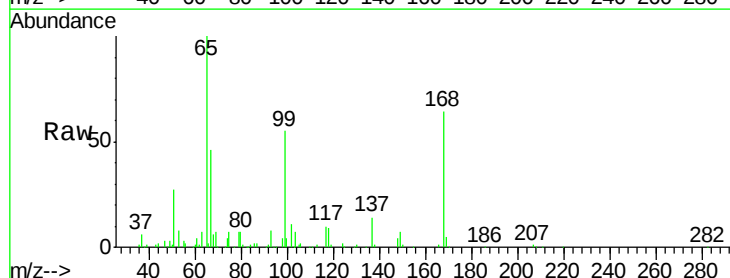
Acq: 10 Jul 2018 19:20

Tgt Ion: 65 Resp: 126852

Ion Ratio Lower Upper

65 100

67 45.7 0.0 88.6

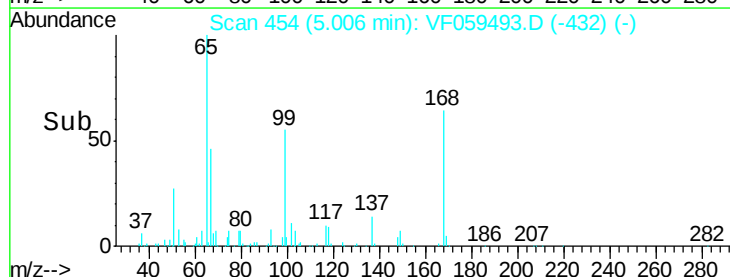


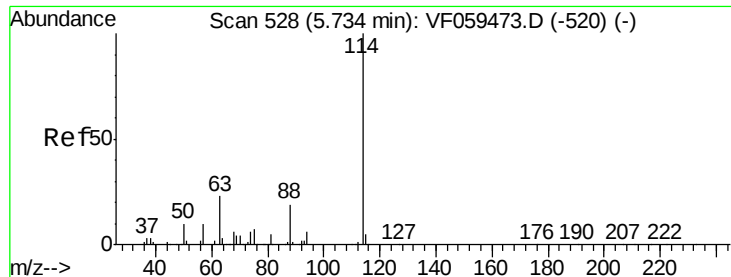
Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.01

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.02 min

Lab File: VF059493.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_F

ClientSampleId :

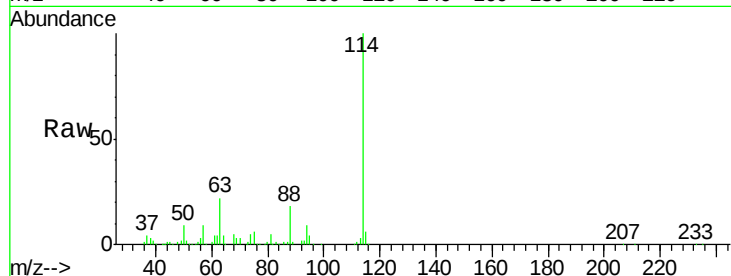
Tot Ion:114 Resp: 304099

Ion Ratio Lower Upper

114 100

63 21.7 0.0 47.2

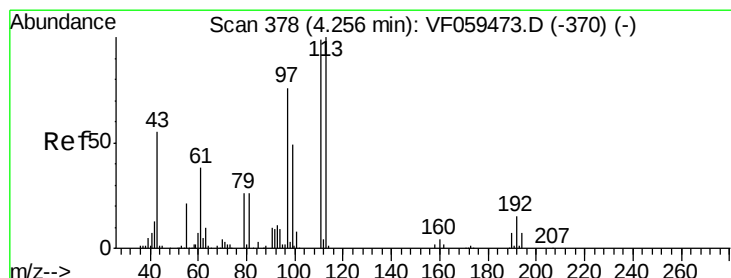
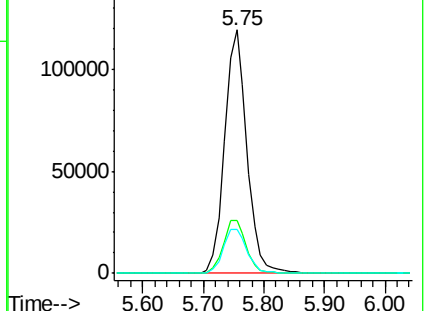
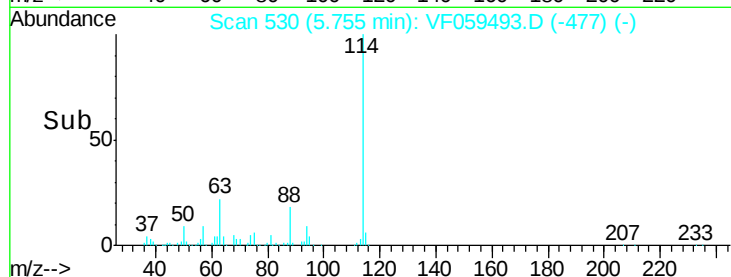
88 18.3 0.0 38.0



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: 37.678 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF059493.D

Acq: 10 Jul 2018 19:20

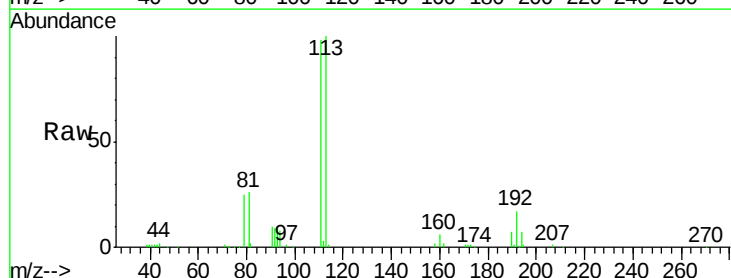
Tgt Ion:113 Resp: 109937

Ion Ratio Lower Upper

113 100

111 97.8 79.3 118.9

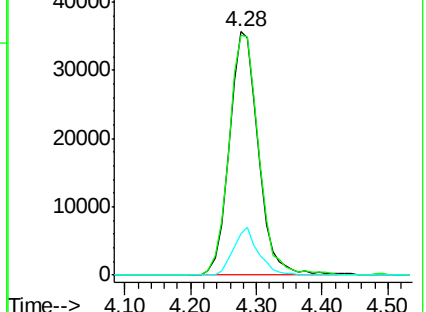
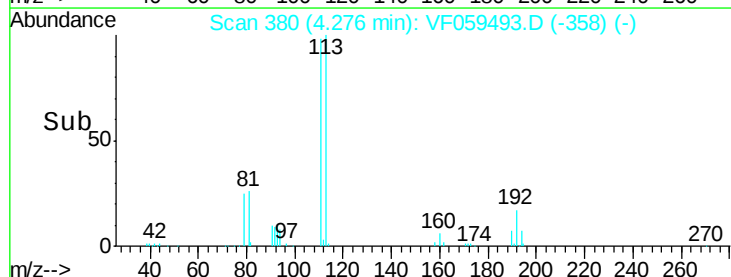
192 16.9 12.0 18.0

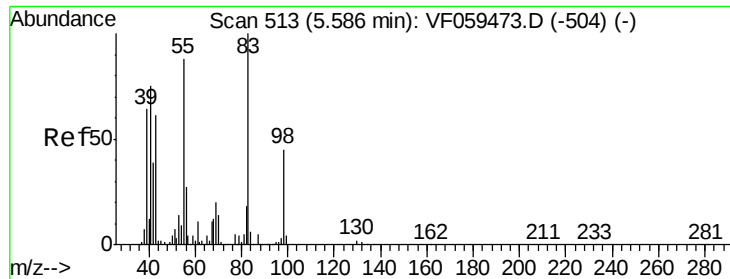


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

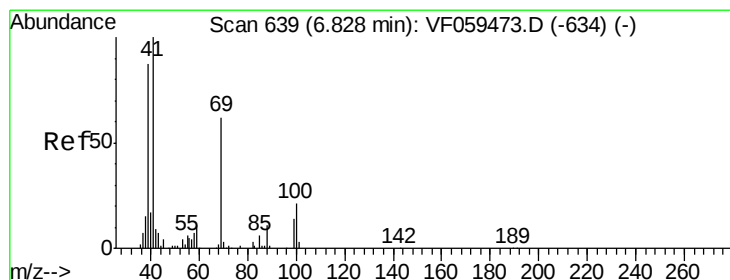
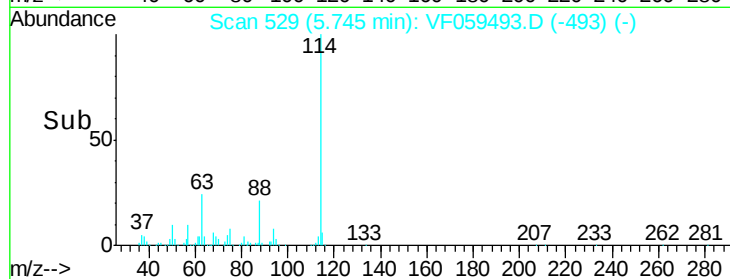
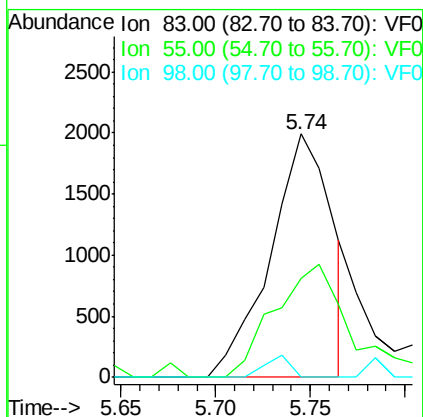
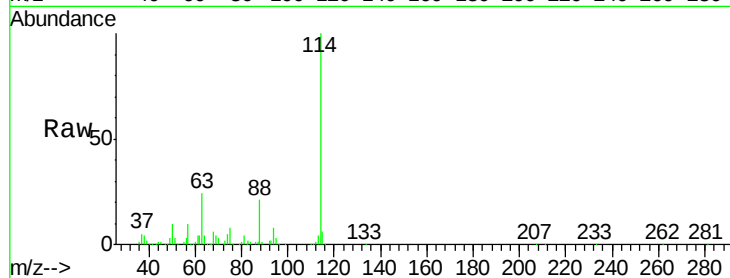




#39
Methvlcvclohexane
Concen: 1.674 ug/l
RT: 5.74 min Scan# 529
Delta R.T. 0.16 min
Lab File: VF059493.D
Acq: 10 Jul 2018 19:20

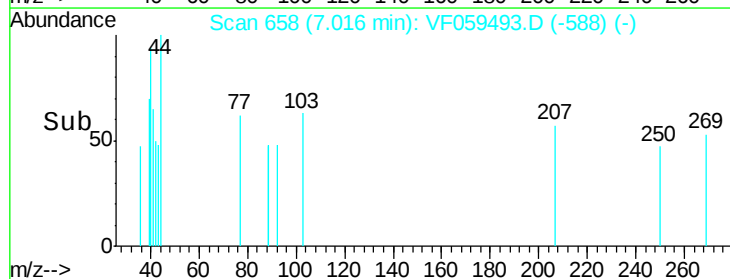
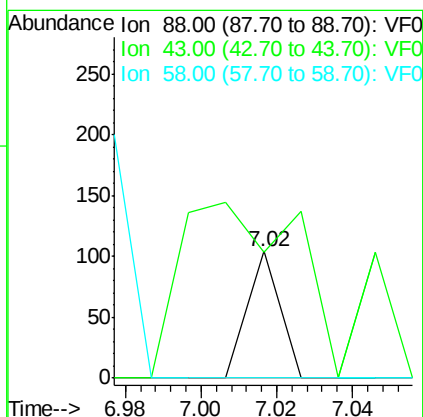
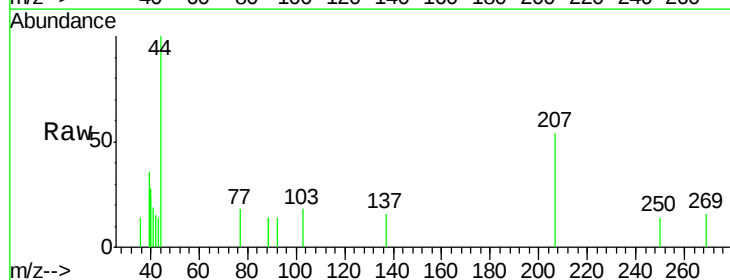
Instrument :
MSVOA_F
ClientSampled :

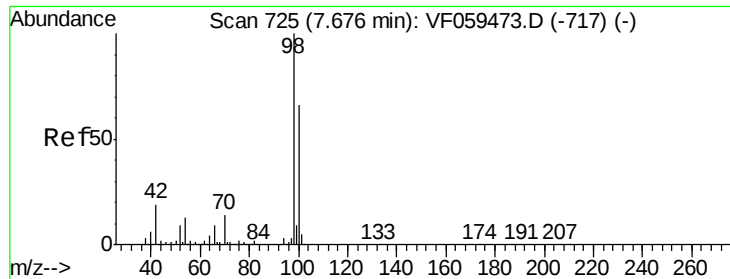
Tot Ion: 83 Resp: 4516
Ion Ratio Lower Upper
83 100
55 40.6 70.6 105.8#
98 0.0 36.3 54.5#



#49
1,4-Dioxane
Concen: 8.872 ug/l
RT: 7.02 min Scan# 658
Delta R.T. 0.19 min
Lab File: VF059493.D
Acq: 10 Jul 2018 19:20

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 99.0 57.3 85.9#
58 0.0 54.6 81.8#

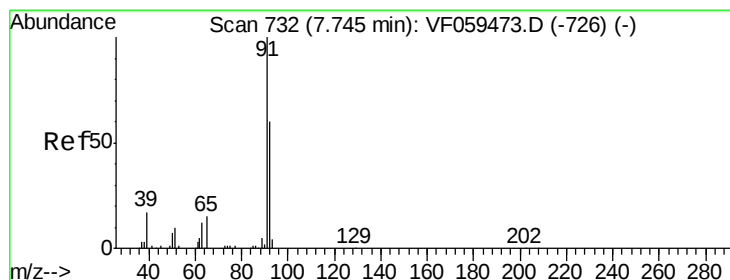
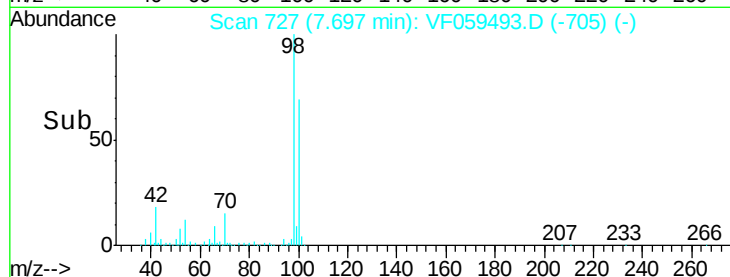
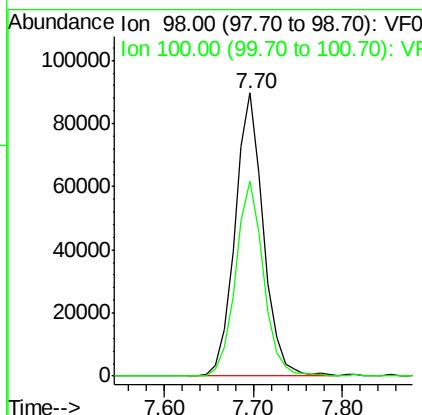
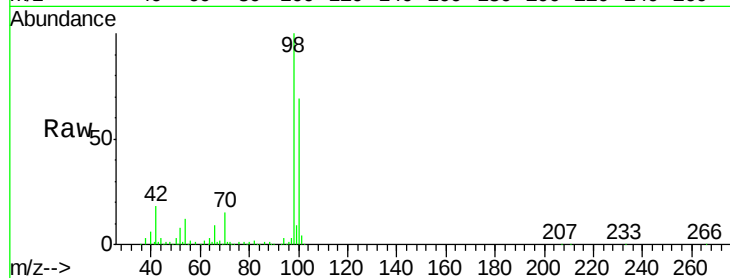




#50
Toluene-d8
Concen: 28.937 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.02 min
Lab File: VF059493.D
Acq: 10 Jul 2018 19:20

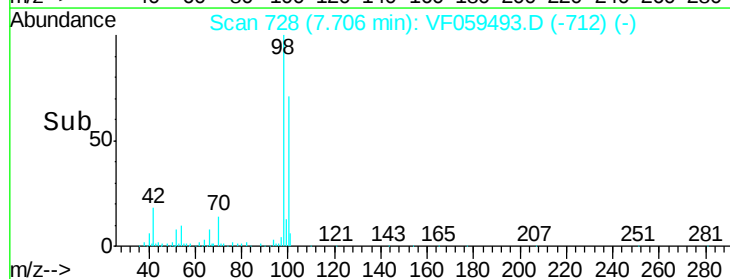
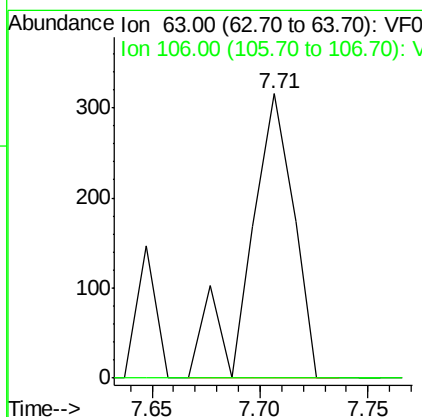
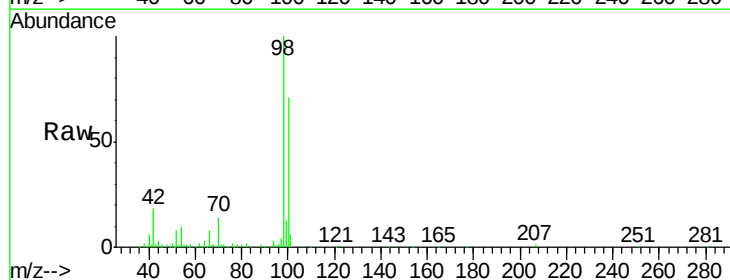
Instrument :
MSVOA_F
ClientSampleId :

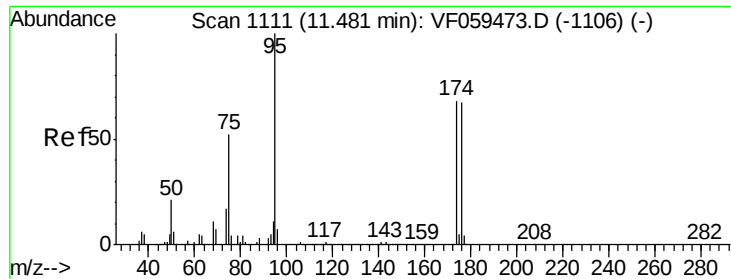
Tot Ion: 98 Resp: 198623
Ion Ratio Lower Upper
98 100
100 69.1 52.6 78.8



#58
2-Chloroethyl Vinyl ether
Concen: 2.265 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.04 min
Lab File: VF059493.D
Acq: 10 Jul 2018 19:20

Tgt Ion: 63 Resp: 450
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0

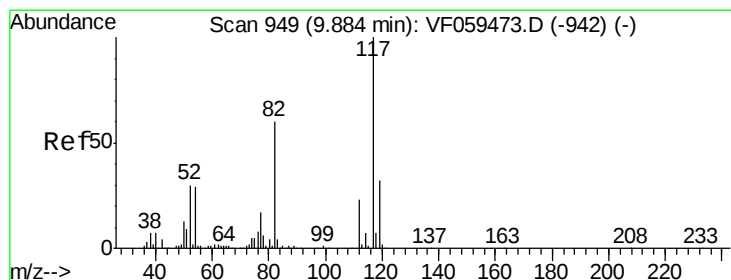
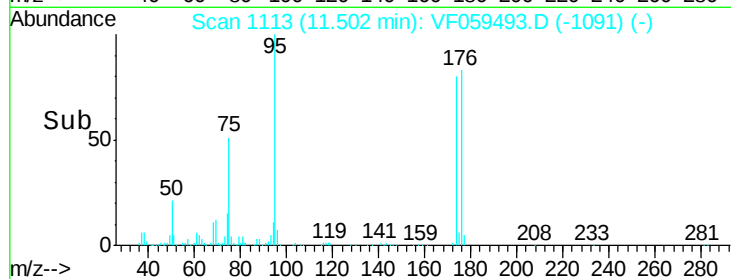
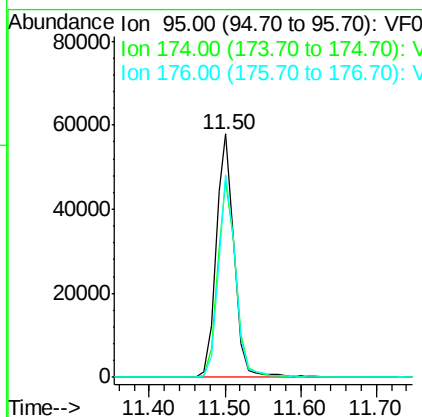
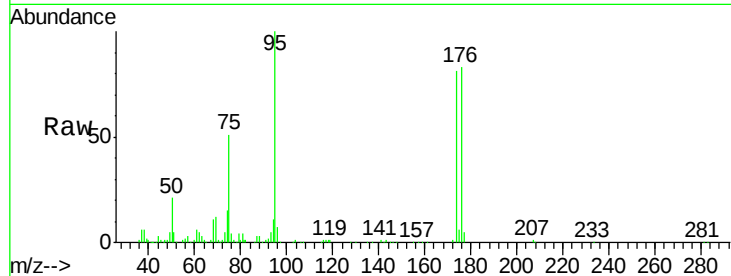




#62
4-Bromofluorobenzene
Concen: 25.186 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF059493.D
Acq: 10 Jul 2018 19:20

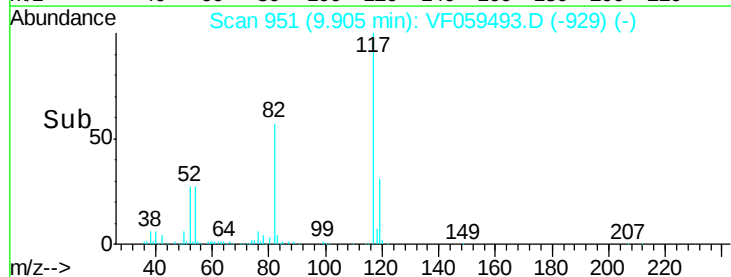
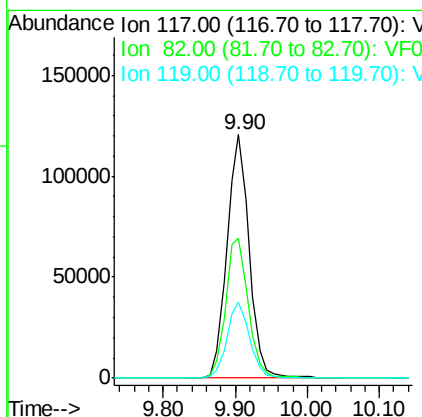
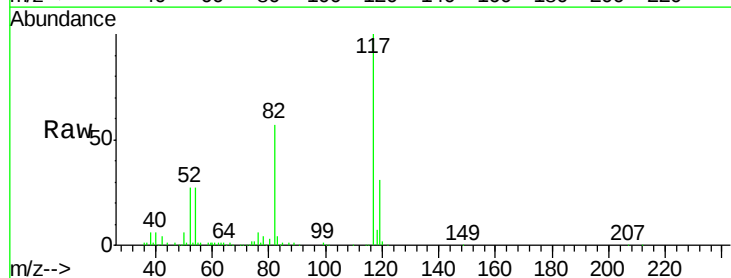
Instrument :
MSVOA_F
ClientSampleId :

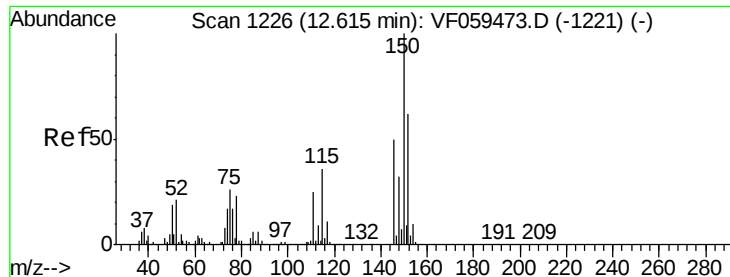
Tot Ion: 95 Resp: 96439
Ion Ratio Lower Upper
95 100
174 80.7 0.0 137.0
176 83.3 0.0 133.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. 0.02 min
Lab File: VF059493.D
Acq: 10 Jul 2018 19:20

Tgt Ion: 117 Resp: 257933
Ion Ratio Lower Upper
117 100
82 57.4 48.2 72.4
119 31.1 25.7 38.5



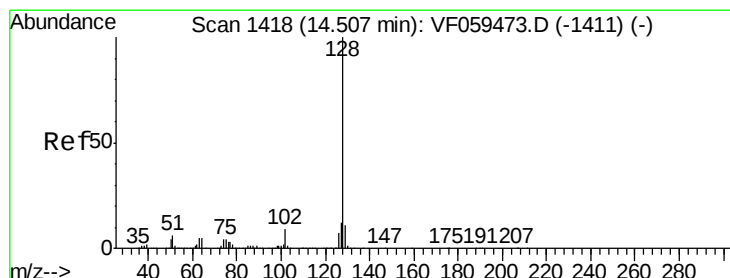
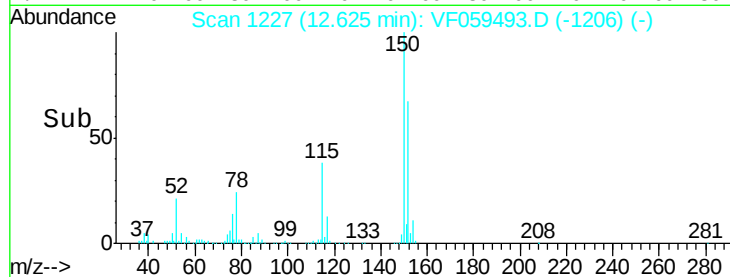
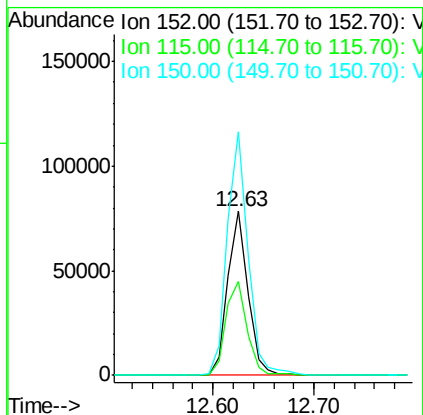
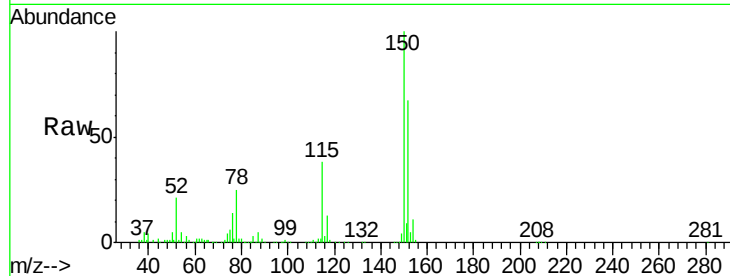


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF059493.D
Acq: 10 Jul 2018 19:20

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.7	86.3
150	148.5	0.0	323.8



#95

Naphthalene
Concen: 1.459 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF059493.D
Acq: 10 Jul 2018 19:20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.9	9.9	14.9#
129	17.2	9.0	13.6#

