

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059560.D
 Acq On : 19 Jul 2018 16:29
 Operator : VA/AP
 Sample : J4016-07
 Misc : 6.01µ/5mL/MSVOA F/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 19 17:20:26 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	5.04	168	185261	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	273565	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.92	117	261200	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	153432	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	164624	57.14	ug/l	-0.03
Spiked Amount			Recovery	=	114.28%	
35) Dibromofluoromethane	4.29	113	135565	57.22	ug/l	-0.02
Spiked Amount			Recovery	=	114.44%	
50) Toluene-d8	7.70	98	249946	41.88	ug/l	-0.03
Spiked Amount			Recovery	=	83.76%	
62) 4-Bromofluorobenzene	11.50	95	145863	46.59	ug/l	-0.02
Spiked Amount			Recovery	=	93.18%	

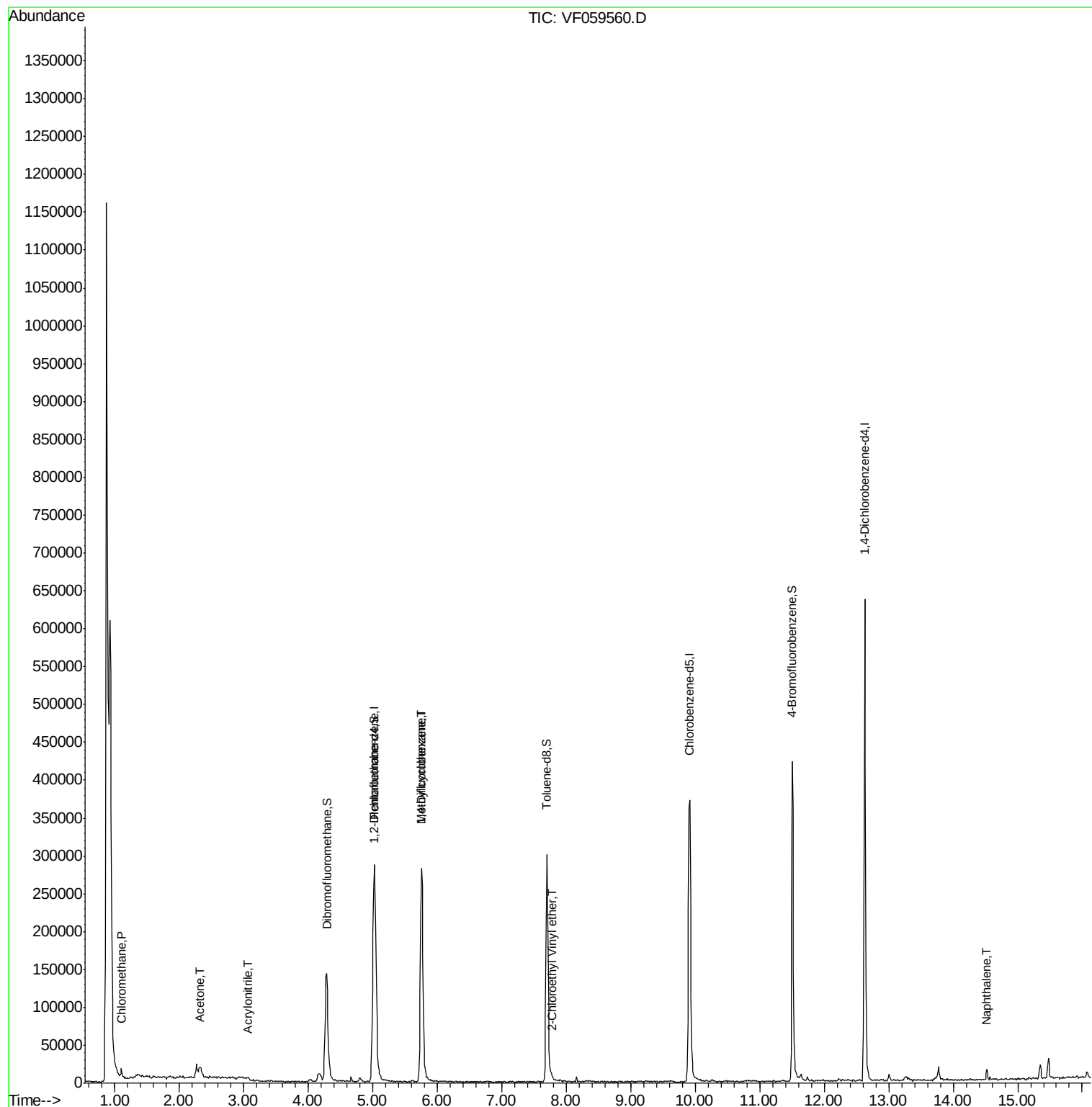
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	1422	1.14	ug/l	# 70
11) Tert butyl alcohol	2.69	59	464	Below	Cal	# 74
13) Acrolein	2.07	56	83	Below	Cal	# 55
15) Acrylonitrile	3.06	53	368	1.52	ug/l	# 1
16) Acetone	2.34	43	16281	11.54	ug/l	# 93
18) Methyl Acetate	2.49	43	881	Below	Cal	# 71
20) Methylene Chloride	2.27	84	4930	Below	Cal	# 42
29) Tetrahydrofuran	4.27	42	88	Below	Cal	# 1
37) Ethyl Acetate	4.29	43	144	Below	Cal	# 41
39) Methylcyclohexane	5.76	83	5213	2.51	ug/l	# 44
49) 1,4-Dioxane	6.91	88	75	Below	Cal	# 30
58) 2-Chloroethyl Vinyl ether	7.79	63	420	2.57	ug/l	100
95) Naphthalene	14.52	128	7520	1.34	ug/l	98

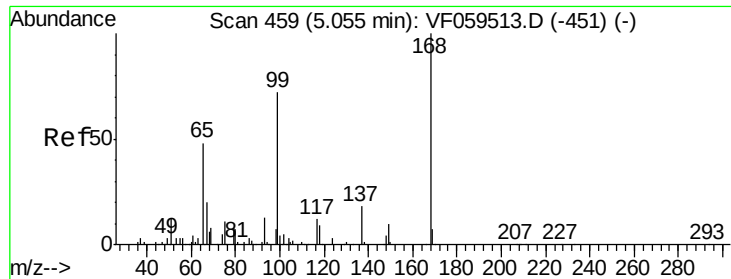
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059560.D

Acq: 19 Jul 2018 16:29

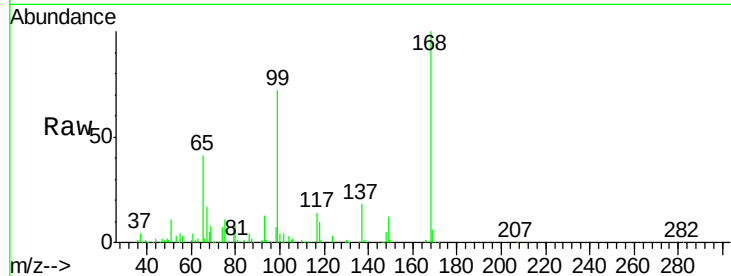
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 185261

Ion Ratio Lower Upper

168 100

99 71.6 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

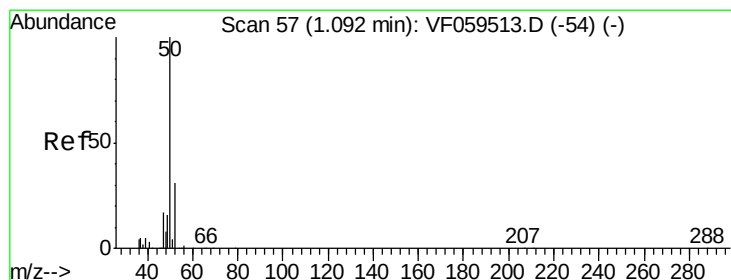
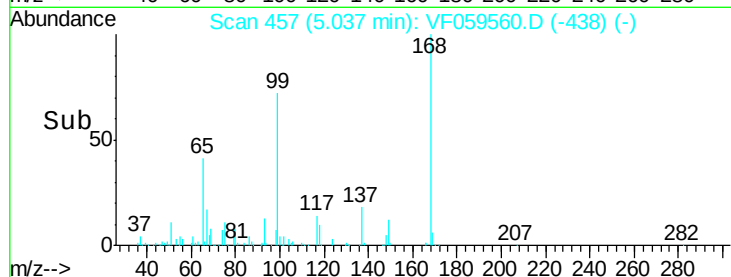
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: 1.14 ug/l

RT: 1.10 min Scan# 58

Delta R.T. 0.01 min

Lab File: VF059560.D

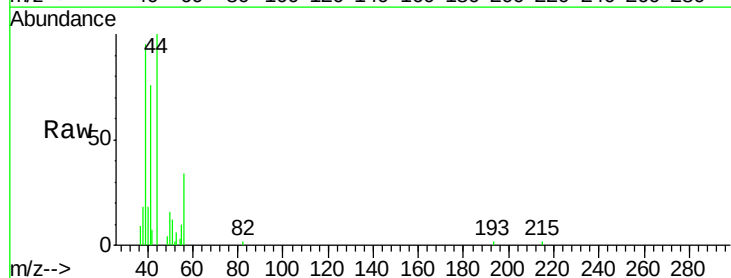
Acq: 19 Jul 2018 16:29

Tgt Ion: 50 Resp: 1422

Ion Ratio Lower Upper

50 100

52 14.3 24.6 37.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.10

800

600

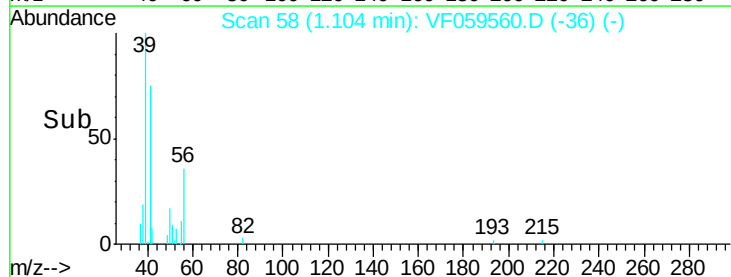
400

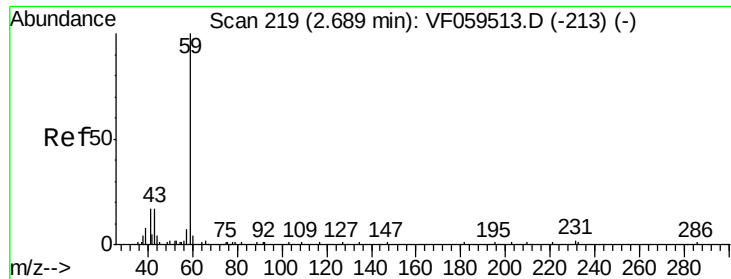
200

0

Time-->

1.05 1.10 1.15



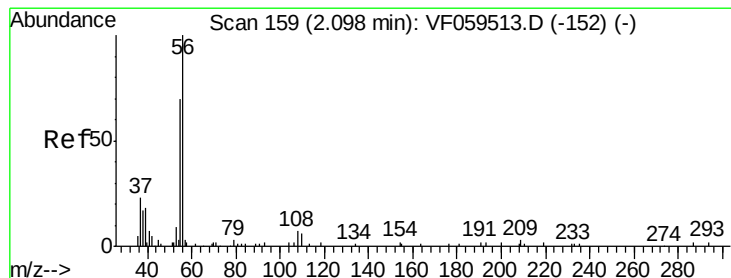
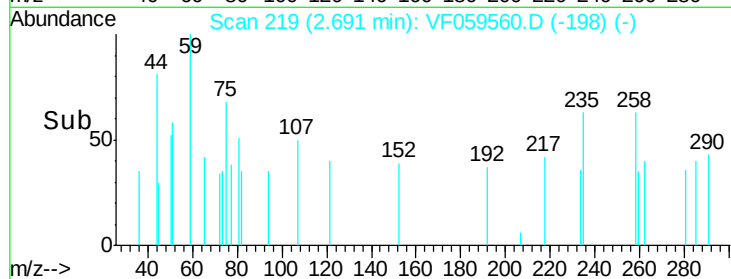
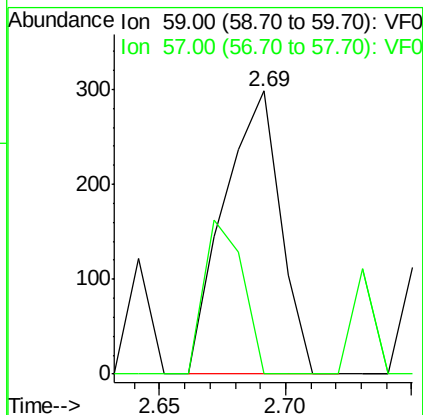
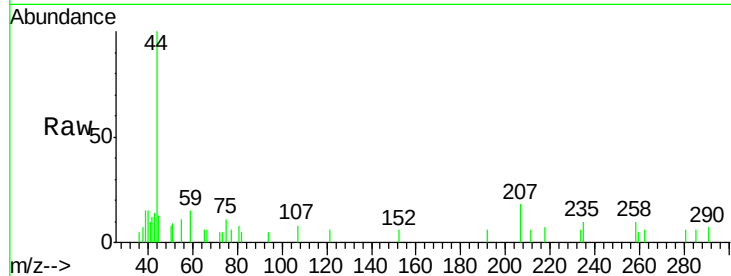


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059560.D
Acq: 19 Jul 2018 16:29

Instrument :
MSVOA_F
ClientSampled :

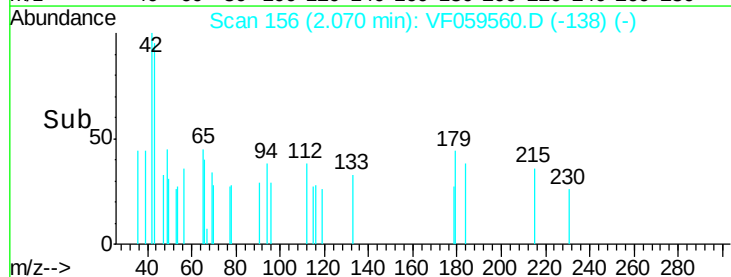
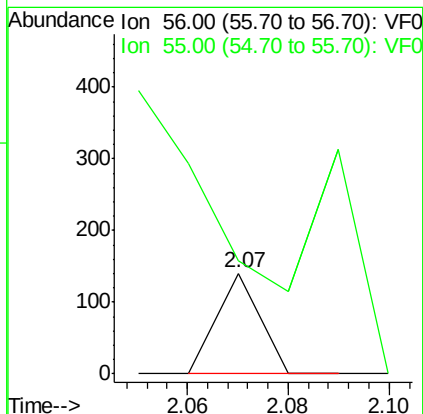
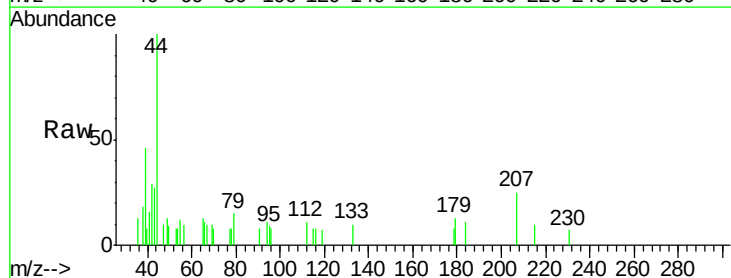
Tot Ion: 59 Resp: 464
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

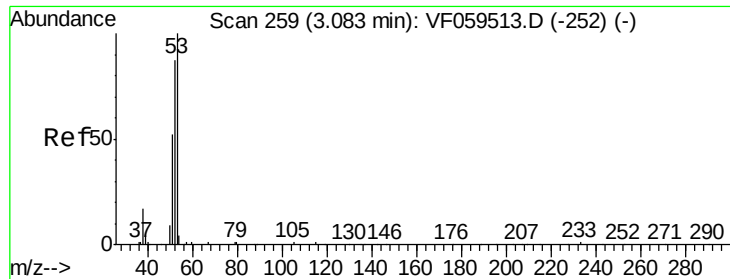


#13

Acrolein
Concen: Below Cal
RT: 2.07 min Scan# 156
Delta R.T. -0.03 min
Lab File: VF059560.D
Acq: 19 Jul 2018 16:29

Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 112.1 59.4 89.2#





#15

Acrylonitrile

Concen: 1.52 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.03 min

Lab File: VF059560.D

Acq: 19 Jul 2018 16:29

Instrument :

MSVOA_F

ClientSampled :

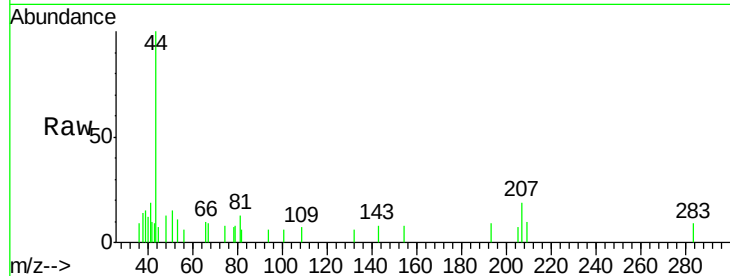
Tot Ion: 53 Resp: 368

Ion Ratio Lower Upper

53 100

52 0.0 70.1 105.1#

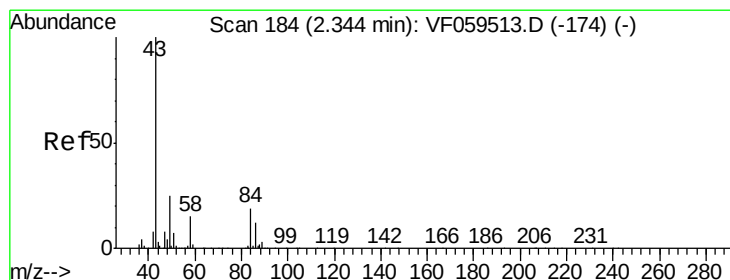
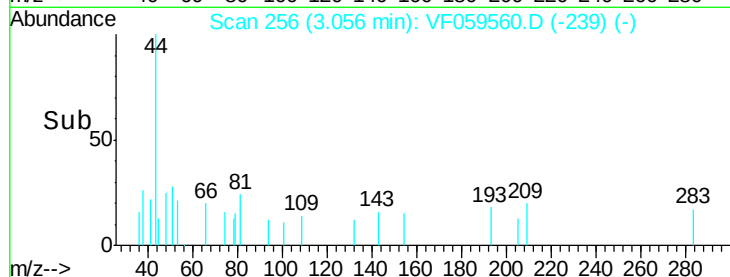
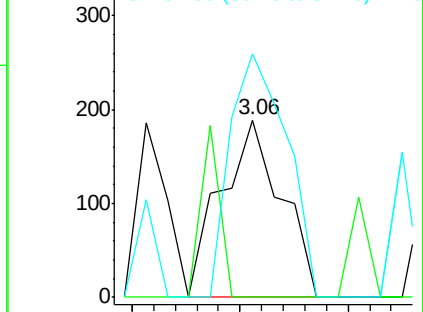
51 137.0 42.5 63.7#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 11.54 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059560.D

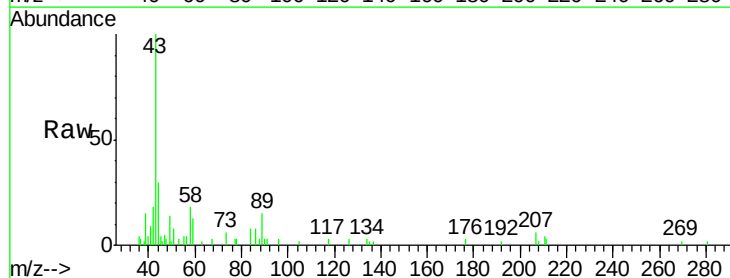
Acq: 19 Jul 2018 16:29

Tgt Ion: 43 Resp: 16281

Ion Ratio Lower Upper

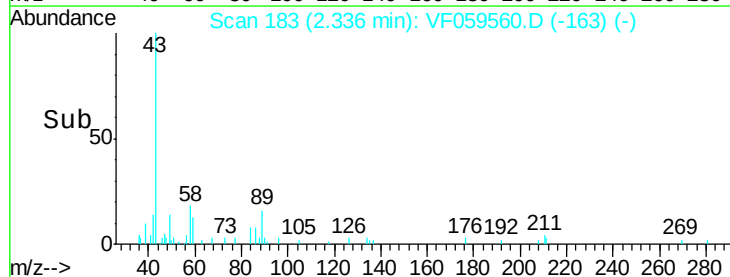
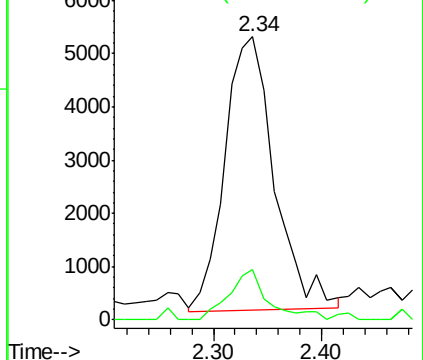
43 100

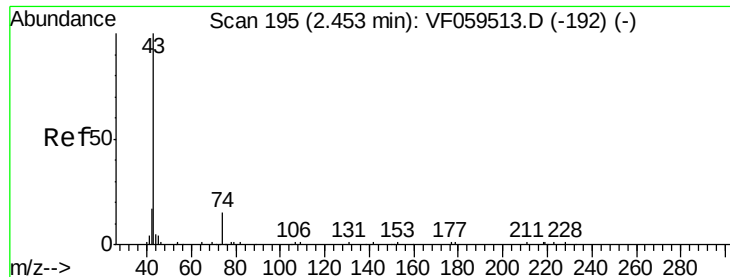
58 17.7 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

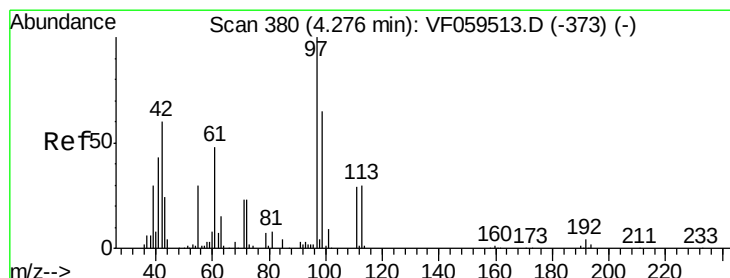
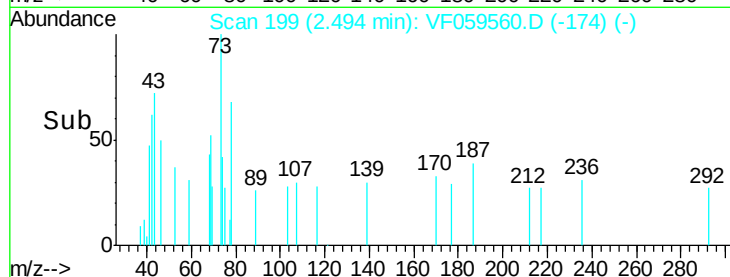
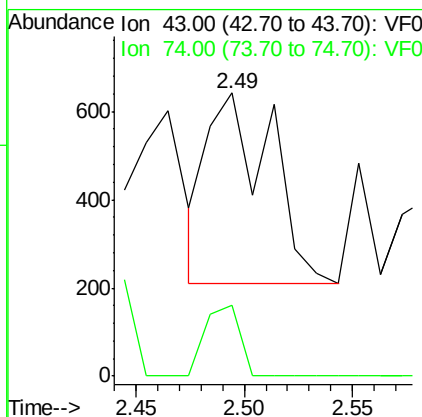
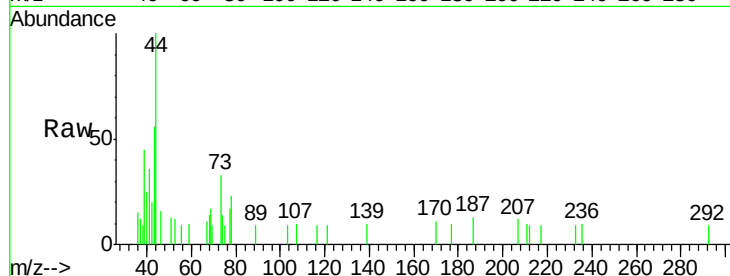




#18
Methyl Acetate
Concen: Below Cal
RT: 2.49 min Scan# 199
Delta R.T. 0.04 min
Lab File: VF059560.D
Acq: 19 Jul 2018 16:29

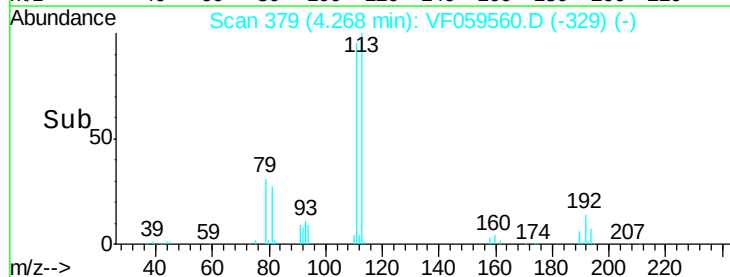
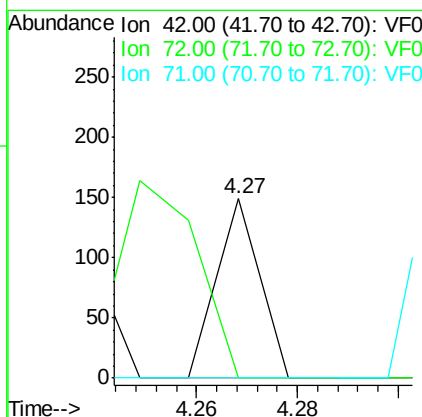
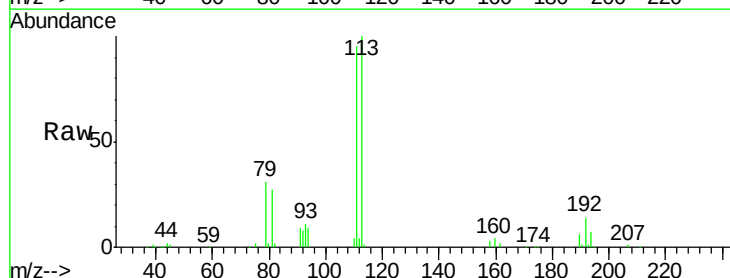
Instrument :
MSVOA_F
ClientSampleId :

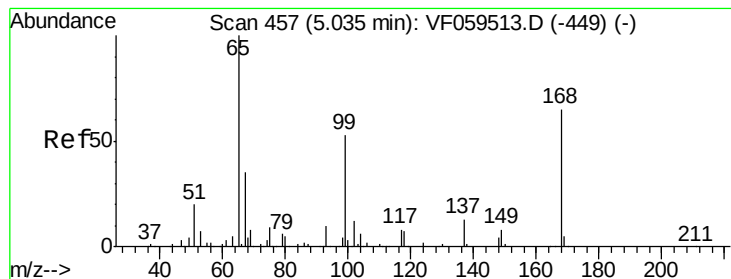
Tot Ion: 43 Resp: 881
Ion Ratio Lower Upper
43 100
74 24.9 10.6 15.8#



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059560.D
Acq: 19 Jul 2018 16:29

Tgt Ion: 42 Resp: 88
Ion Ratio Lower Upper
42 100
72 197.7 28.7 43.1#
71 0.0 30.8 46.2#





#33

1,2-Dichloroethane-d4

Concen: 57.14 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF059560.D

Acq: 19 Jul 2018 16:29

Instrument :

MSVOA_F

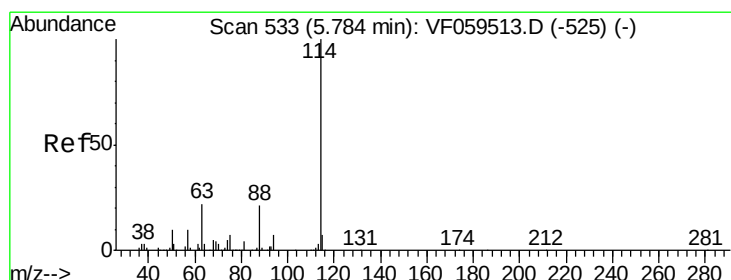
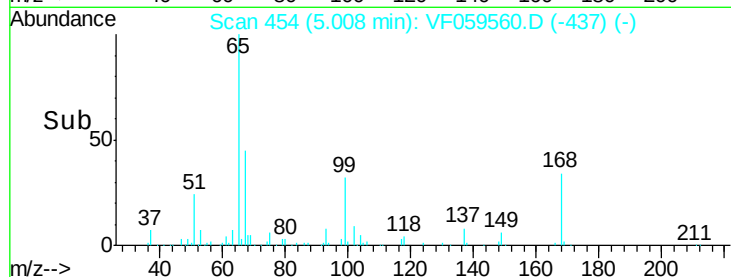
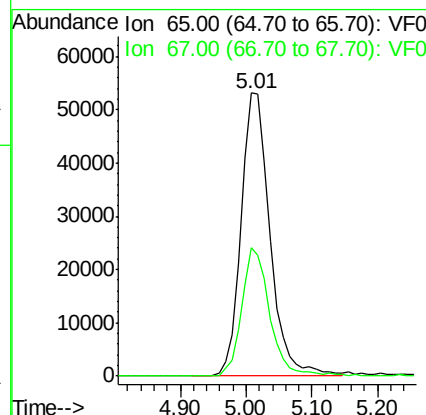
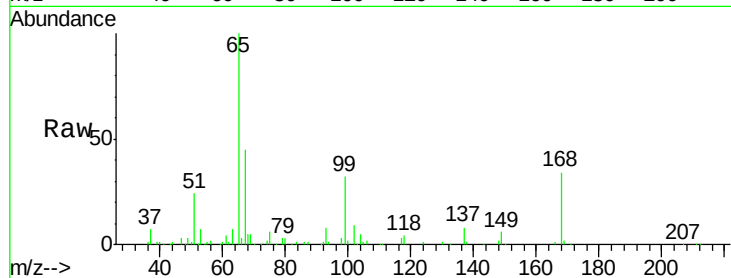
ClientSampled :

Tot Ion: 65 Resp: 164624

Ion Ratio Lower Upper

65 100

67 45.3 0.0 91.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.03 min

Lab File: VF059560.D

Acq: 19 Jul 2018 16:29

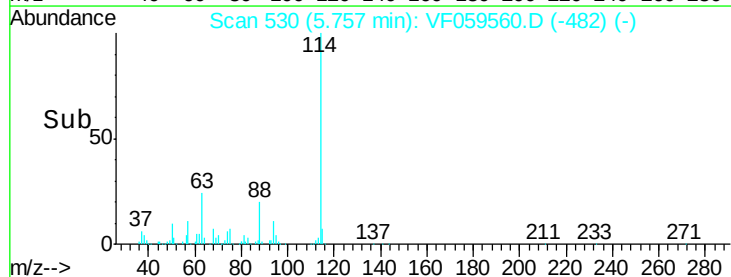
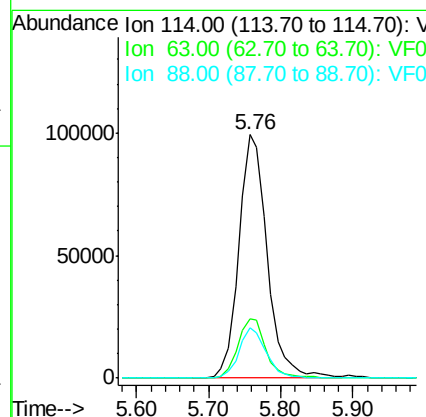
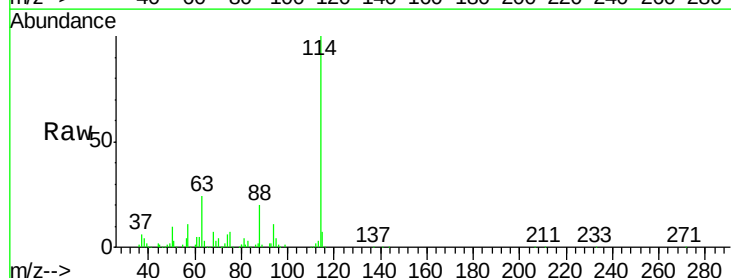
Tgt Ion: 114 Resp: 273565

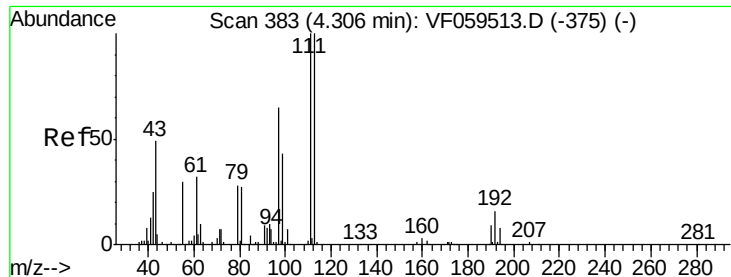
Ion Ratio Lower Upper

114 100

63 24.1 0.0 44.8

88 20.4 0.0 42.6





#35

Dibromofluoromethane

Concen: 57.22 ug/l

RT: 4.29 min Scan# 381

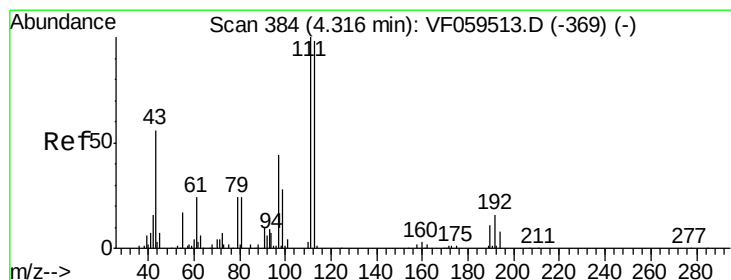
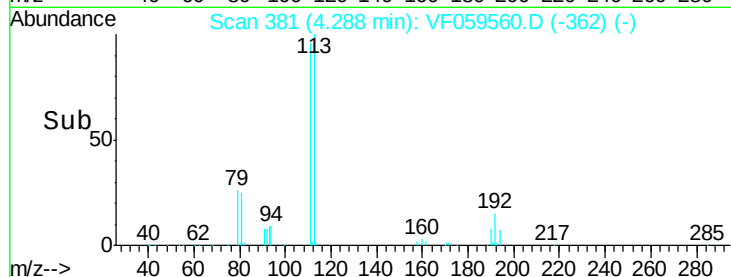
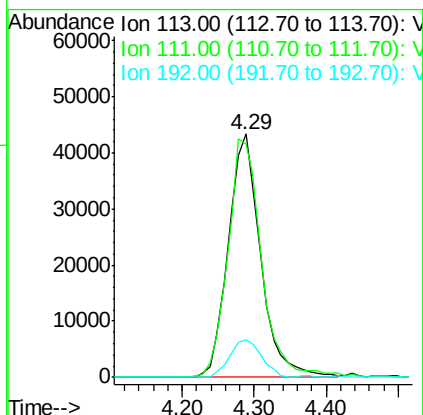
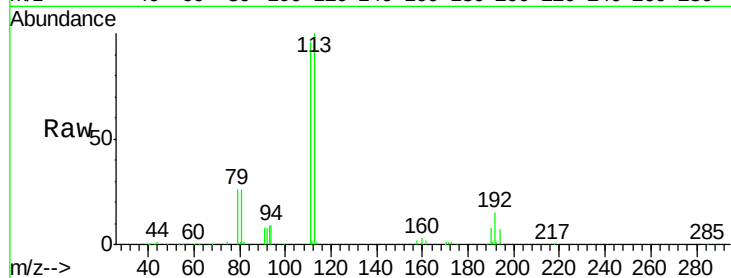
Delta R.T. -0.02 min

Lab File: VF059560.D

Acq: 19 Jul 2018 16:29

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	113	Resp:	135565
Ion	Ratio	Lower	Upper
113	100		
111	96.0	80.3	120.5
192	15.5	13.1	19.7



#37

Ethyl Acetate

Concen: Below Cal

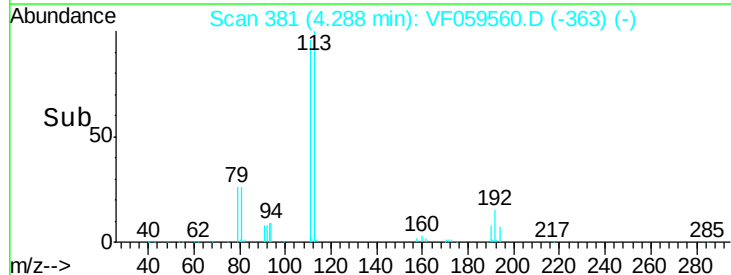
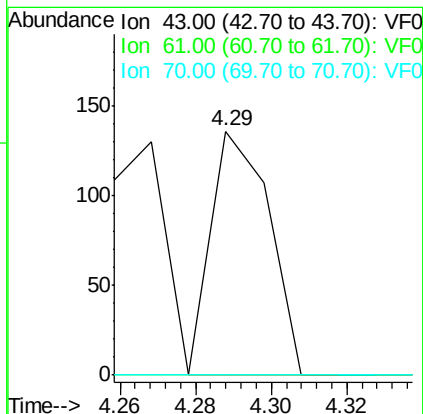
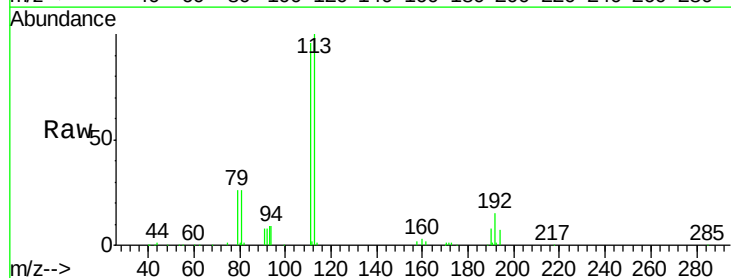
RT: 4.29 min Scan# 381

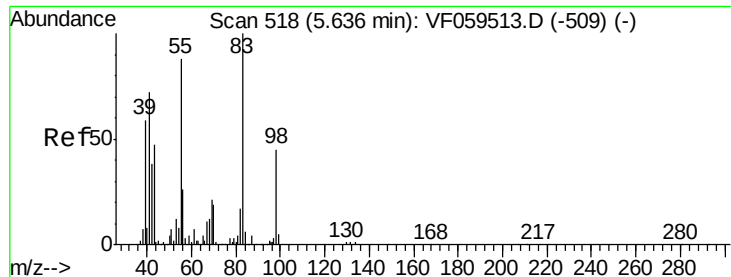
Delta R.T. -0.03 min

Lab File: VF059560.D

Acq: 19 Jul 2018 16:29

Tgt Ion:	43	Resp:	144
Ion	Ratio	Lower	Upper
43	100		
61	0.0	33.7	50.5#
70	0.0	7.4	11.0#

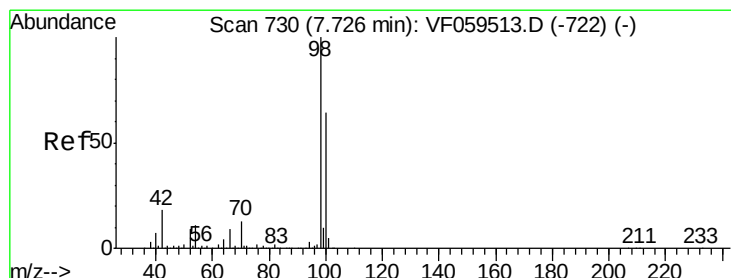
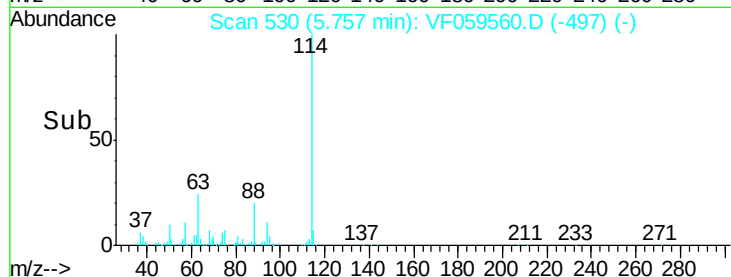
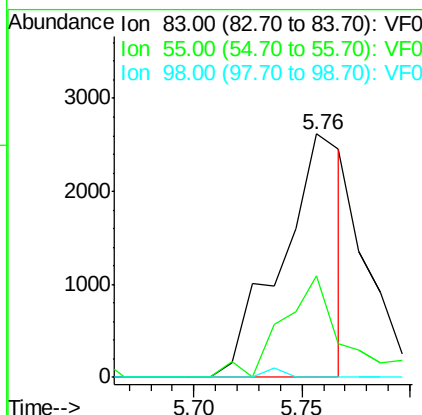
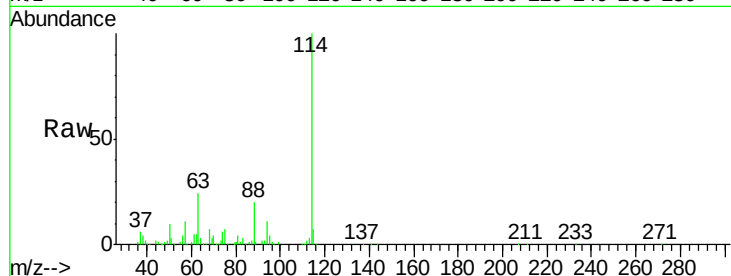




#39
Methylcyclohexane
Concen: 2.51 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.12 min
Lab File: VF059560.D
Acq: 19 Jul 2018 16:29

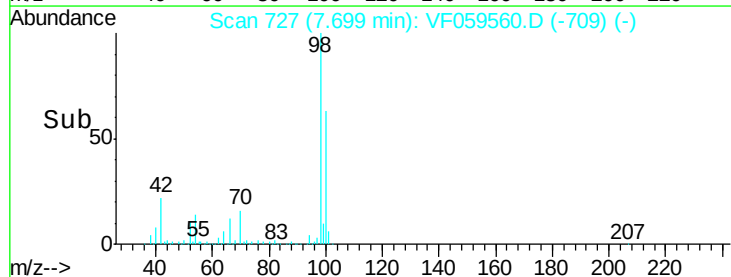
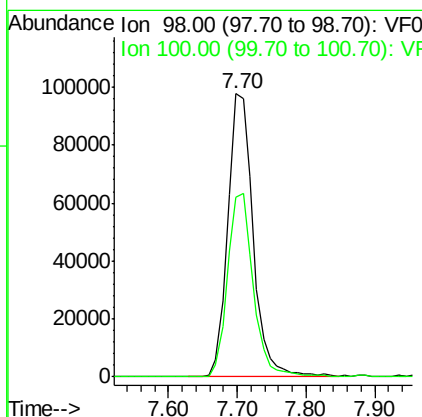
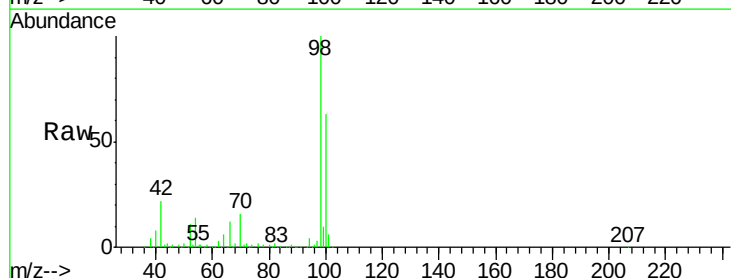
Instrument :
MSVOA_F
ClientSampleId :

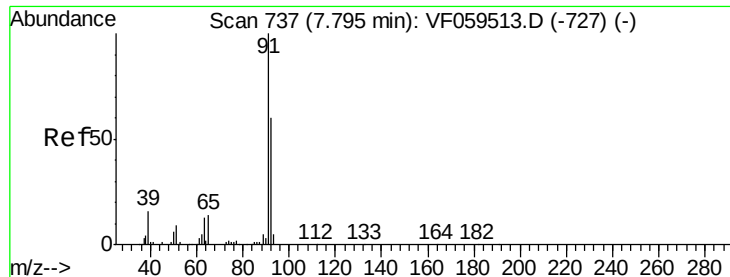
Tot Ion	83	Resp	5213
Ion Ratio	100	Lower	Upper
55	41.9	70.2	105.4#
98	0.0	36.2	54.2#



#50
Toluene-d8
Concen: 41.88 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF059560.D
Acq: 19 Jul 2018 16:29

Tgt Ion	98	Resp	249946
Ion Ratio	100	Lower	Upper
98	100	50.9	76.3
100	63.4	50.9	76.3

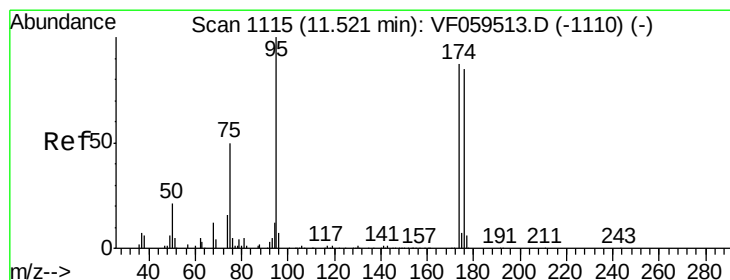
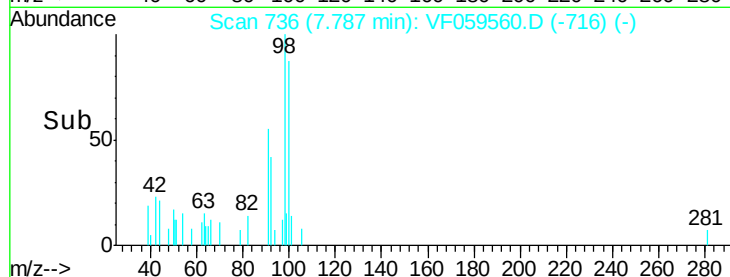
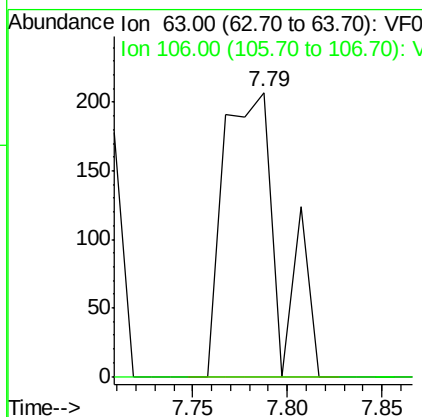
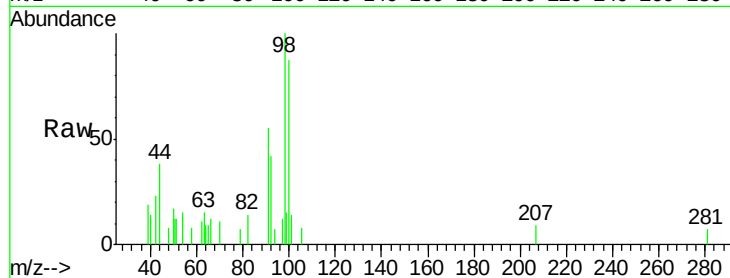




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.57 ug/l
 RT: 7.79 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: VF059560.D
 Acq: 19 Jul 2018 16:29

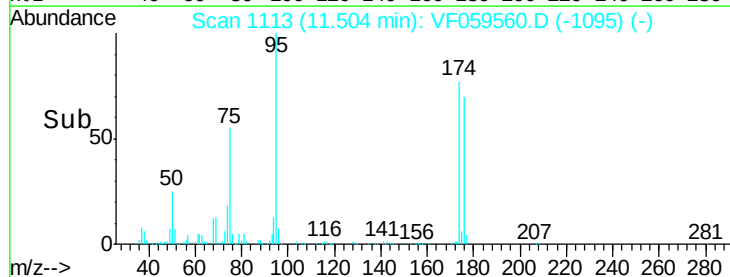
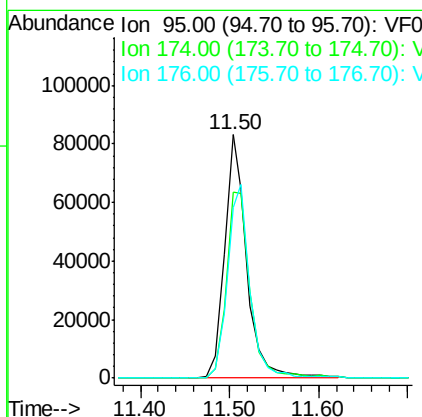
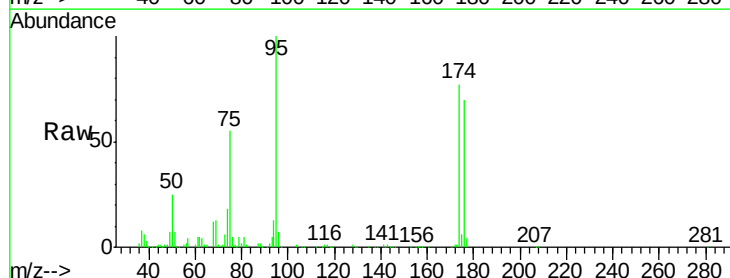
Instrument :
 MSVOA_F
 ClientSampleId :

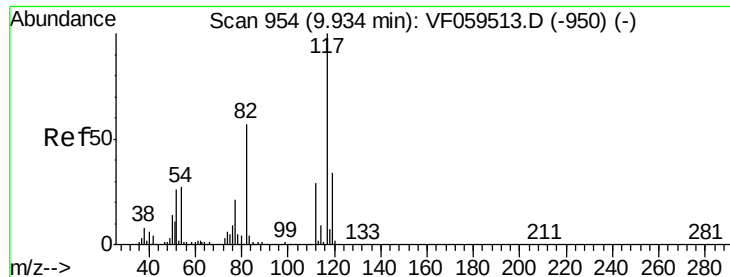
Tot Ion: 63 Resp: 420
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 46.59 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.02 min
 Lab File: VF059560.D
 Acq: 19 Jul 2018 16:29

Tgt Ion: 95 Resp: 145863
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 174.4
 176 70.0 0.0 169.4

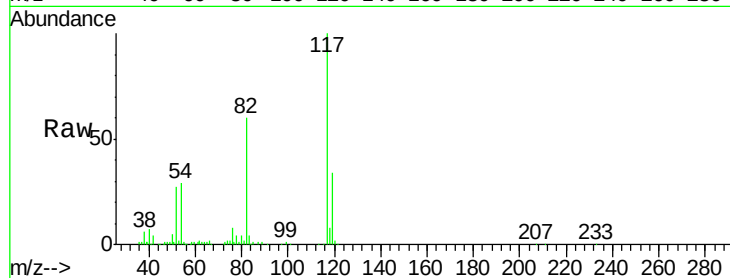




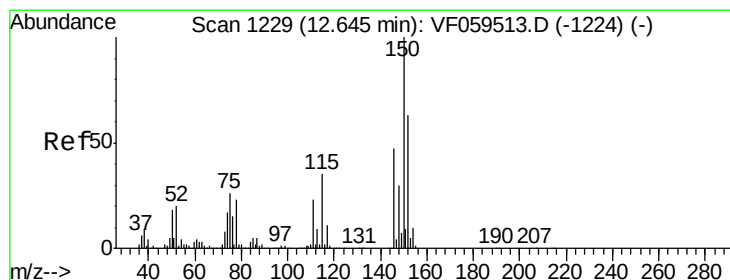
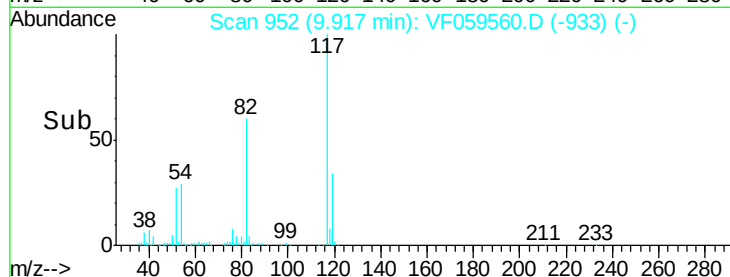
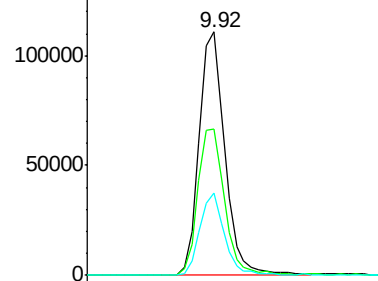
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059560.D
Acq: 19 Jul 2018 16:29

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	46.1	69.1
119	33.9	27.2	40.8

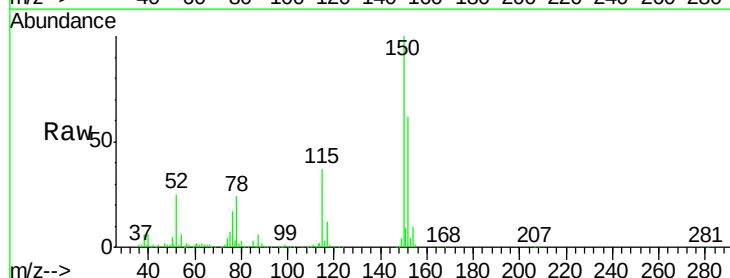


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

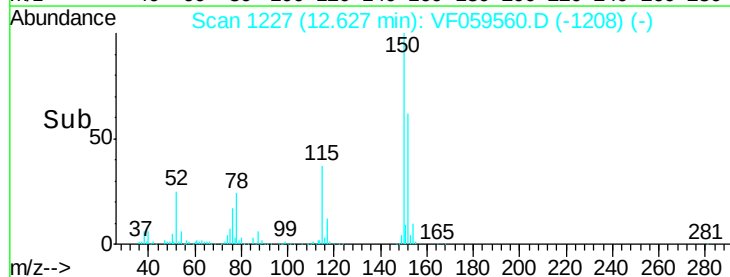
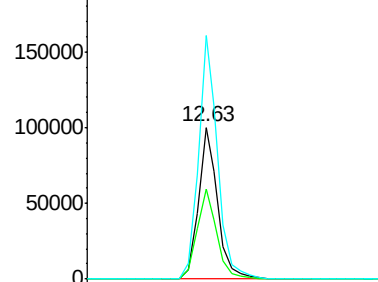


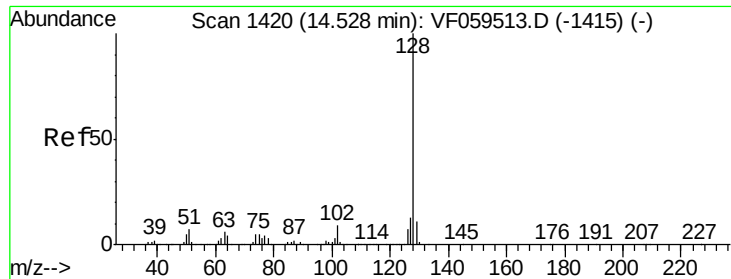
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059560.D
Acq: 19 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	27.8	83.3
150	160.1	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

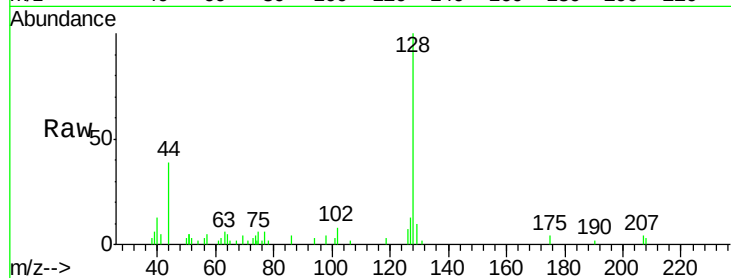




#95
Naphthalene
Concen: 1.34 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059560.D
Acq: 19 Jul 2018 16:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	9.7	9.0	13.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

