

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
 Data File : VF059440.D
 Acq On : 5 Jul 2018 18:03
 Operator : VA/AP
 Sample : J3852-01
 Misc : 4.84g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 06 02:05:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

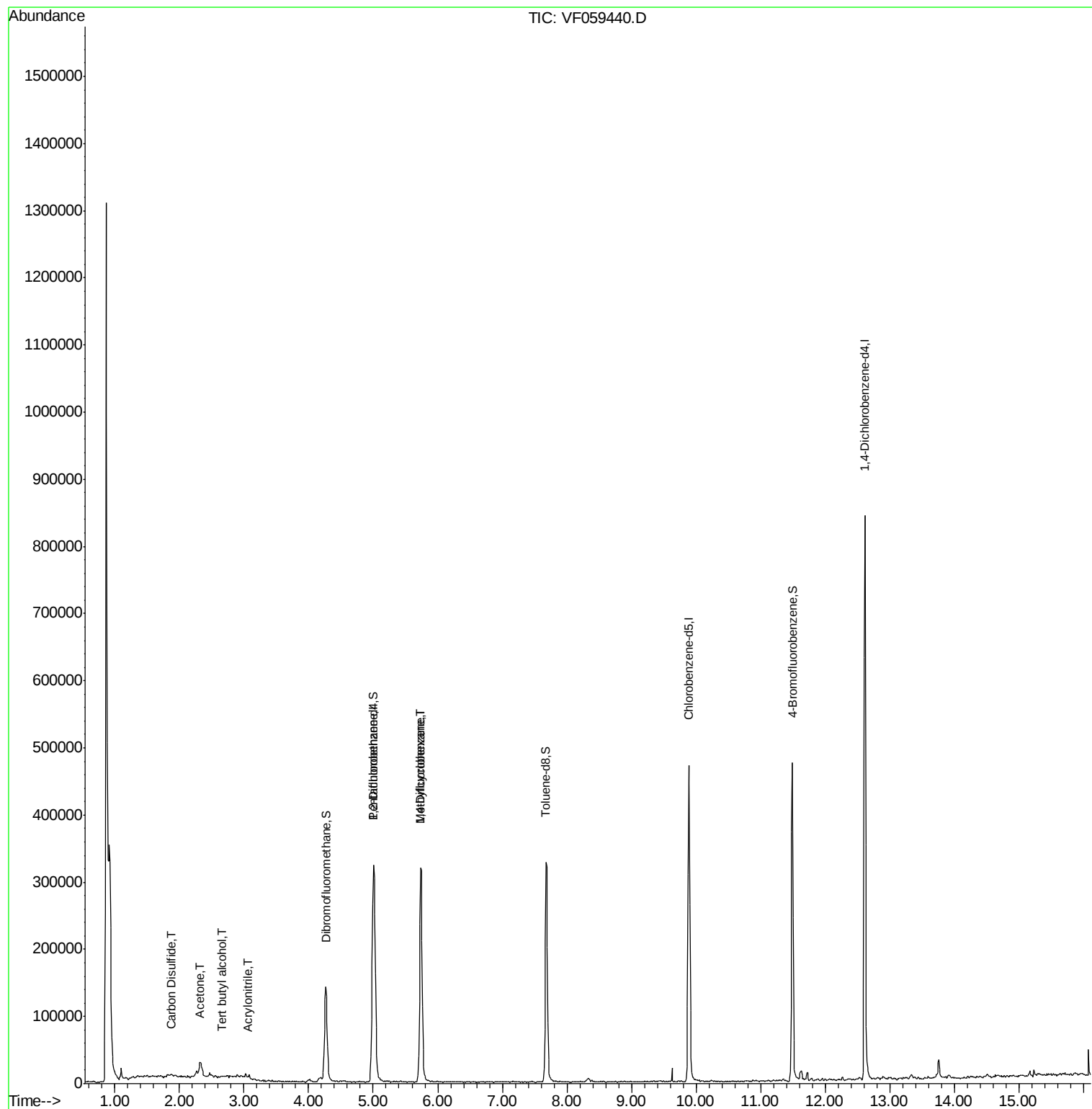
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	219910	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	332490	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.88	117	332754	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	199323	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	143694	50.57	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.14%	
35) Dibromofluoromethane	4.27	113	124720	51.34	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.68%	
50) Toluene-d8	7.69	98	268658	44.67	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	89.34%	
62) 4-Bromofluorobenzene	11.49	95	156522	46.13	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.26%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.24	94	275	Below Cal		98
11) Tert butyl alcohol	2.66	59	437	2.310 ug/l #		66
13) Acrolein	2.03	56	452	Below Cal		87
15) Acrylonitrile	3.06	53	530	1.591 ug/l #		34
16) Acetone	2.33	43	33746	38.947 ug/l		99
17) Carbon Disulfide	1.87	76	7345	2.408 ug/l #		93
20) Methylene Chloride	2.26	84	3181	Below Cal		97
25) 2-Butanone	4.52	43	1658	Below Cal #		59
28) Bromochloromethane	3.81	49	77	Below Cal #		6
29) Tetrahydrofuran	4.25	42	657	Below Cal #		54
37) Ethyl Acetate	4.29	43	384	Below Cal #		26
39) Methylcyclohexane	5.74	83	5137	1.996 ug/l #		35
49) 1,4-Dioxane	6.41	88	96	Below Cal #		20
59) 2-Hexanone	9.59	43	152	Below Cal		91
87) 1,3-Dichlorobenzene	12.54	146	483	Below Cal #		38

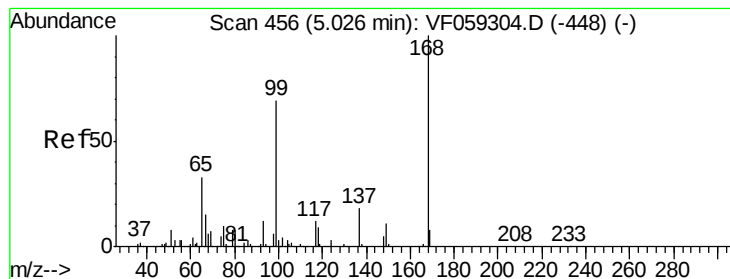
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF070518\
Data File : VF059440.D
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Quant Time: Jul 06 02:05:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059440.D

Acq: 5 Jul 2018 18:03

Instrument :

MSVOA_F

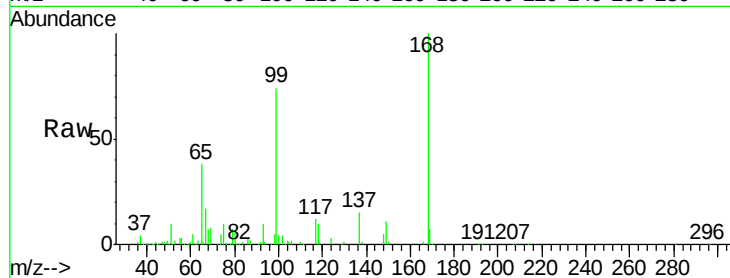
ClientSampleId :

Tot Ion:168 Resp: 219910

Ion Ratio Lower Upper

168 100

99 74.2 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

80000

60000

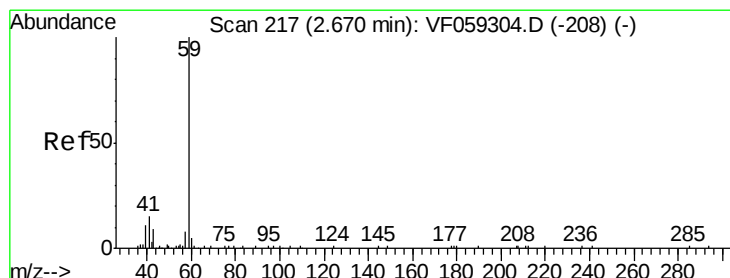
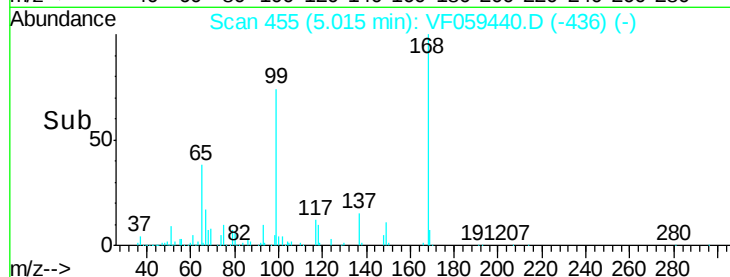
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 2.310 ug/l

RT: 2.66 min Scan# 216

Delta R.T. -0.01 min

Lab File: VF059440.D

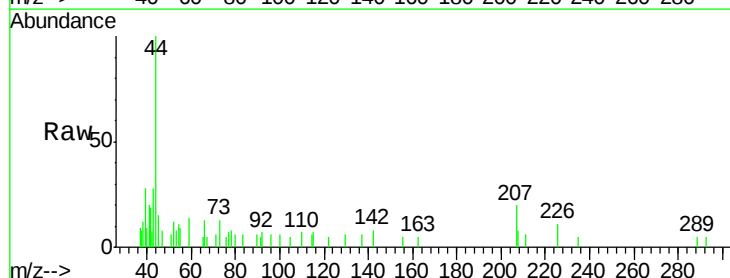
Acq: 5 Jul 2018 18:03

Tgt Ion: 59 Resp: 437

Ion Ratio Lower Upper

59 100

57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.66

300

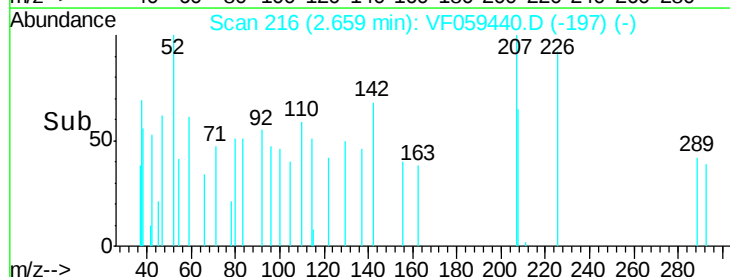
200

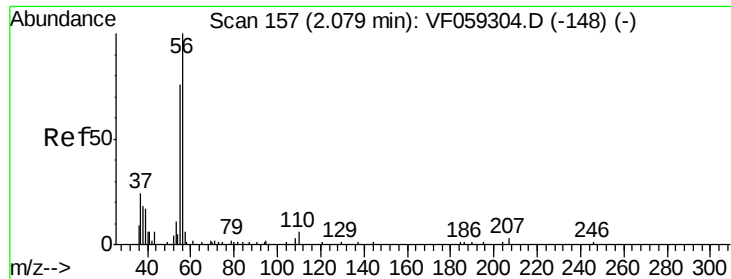
100

0

Time-->

2.62 2.64 2.66 2.68 2.70

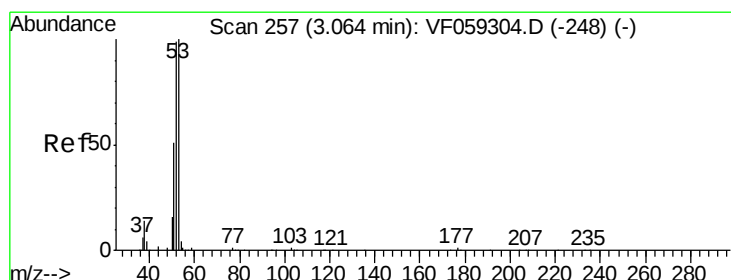
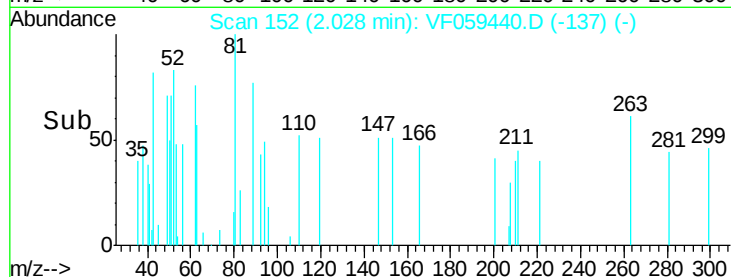
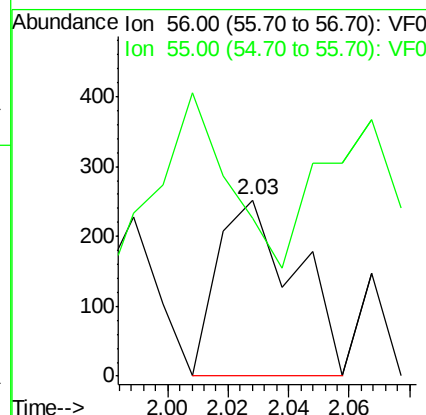
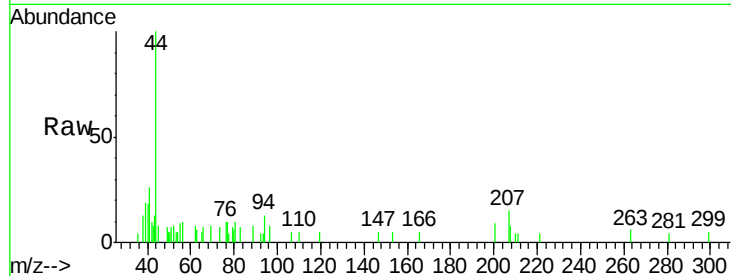




#13
Acrolein
Concen: Below Cal
RT: 2.03 min Scan# 152
Delta R.T. -0.05 min
Lab File: VF059440.D
Acq: 5 Jul 2018 18:03

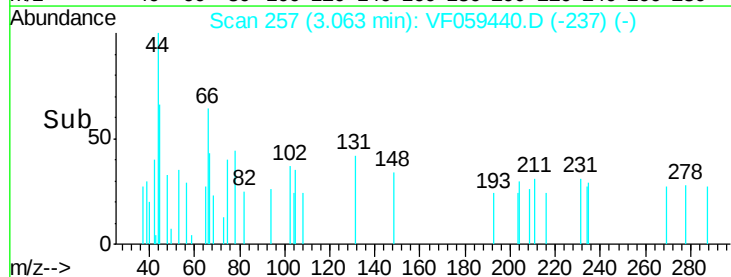
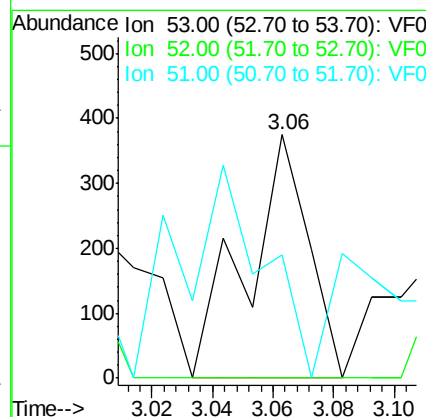
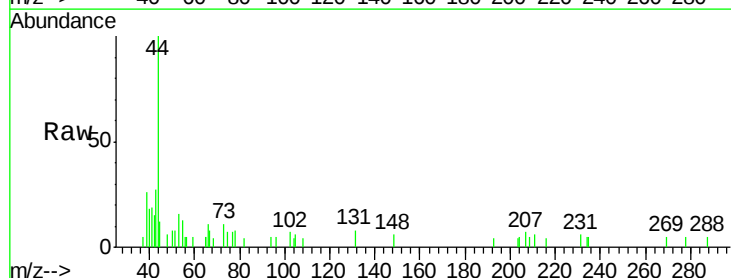
Instrument :
MSVOA_F
ClientSampleId :

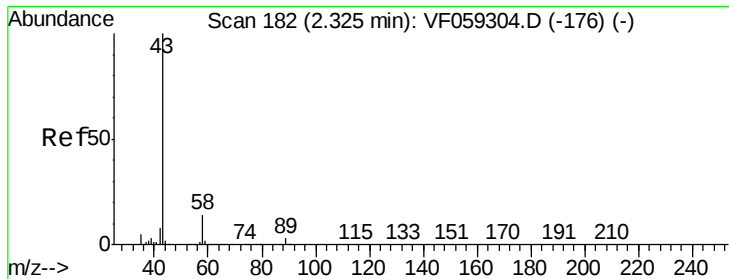
Tot Ion: 56 Resp: 452
Ion Ratio Lower Upper
56 100
55 89.7 62.4 93.6



#15
Acrylonitrile
Concen: 1.591 ug/l
RT: 3.06 min Scan# 257
Delta R.T. -0.00 min
Lab File: VF059440.D
Acq: 5 Jul 2018 18:03

Tgt Ion: 53 Resp: 530
Ion Ratio Lower Upper
53 100
52 0.0 79.2 118.8#
51 50.9 40.9 61.3





#16

Acetone

Concen: 38.947 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059440.D

Acq: 5 Jul 2018 18:03

Instrument :

MSVOA_F

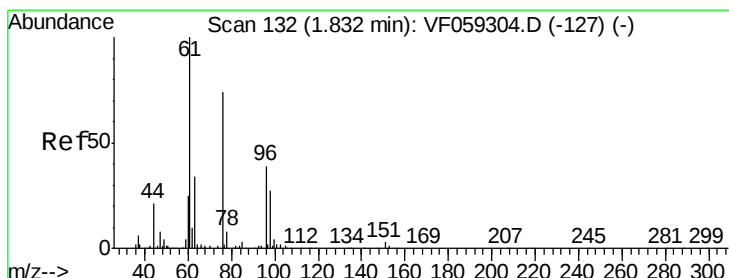
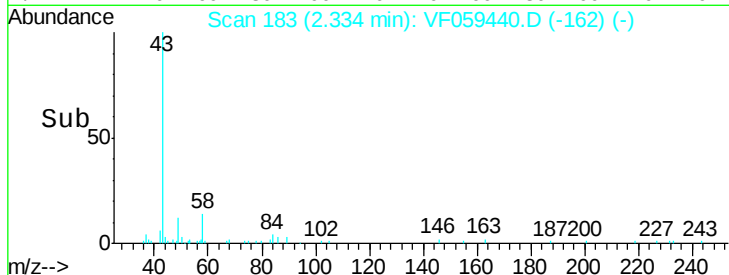
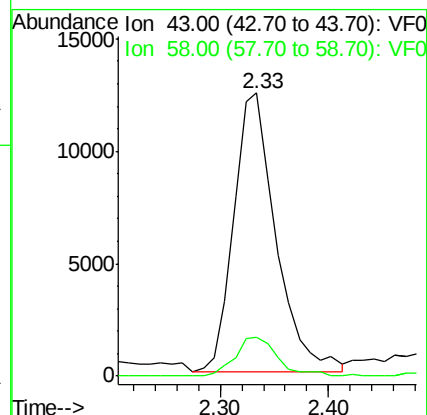
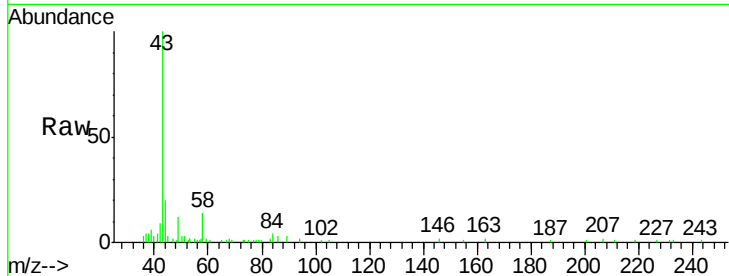
ClientSampleId :

Tot Ion: 43 Resp: 33746

Ion Ratio Lower Upper

43 100

58 13.9 11.4 17.0



#17

Carbon Disulfide

Concen: 2.408 ug/l

RT: 1.87 min Scan# 136

Delta R.T. 0.04 min

Lab File: VF059440.D

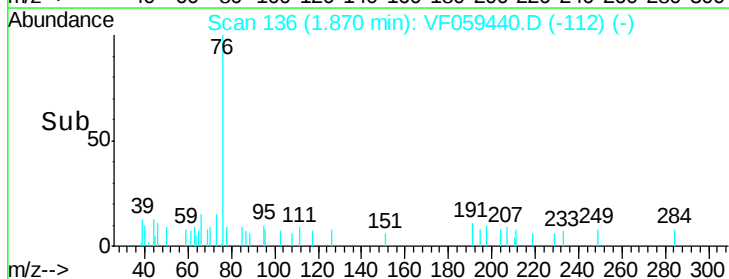
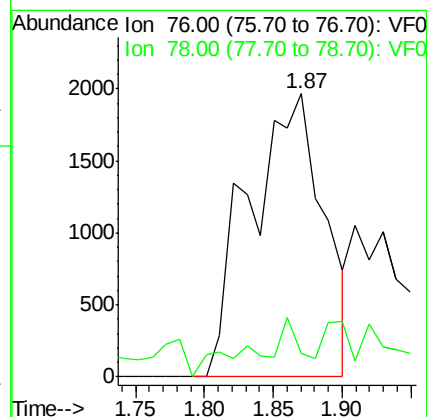
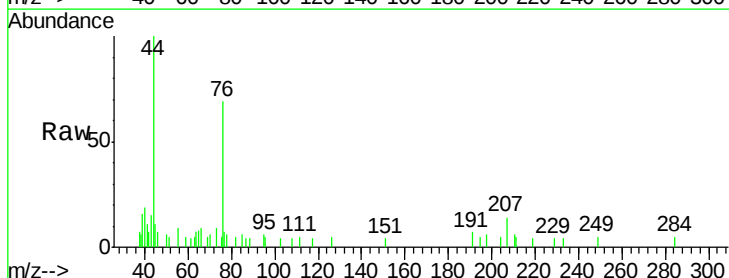
Acq: 5 Jul 2018 18:03

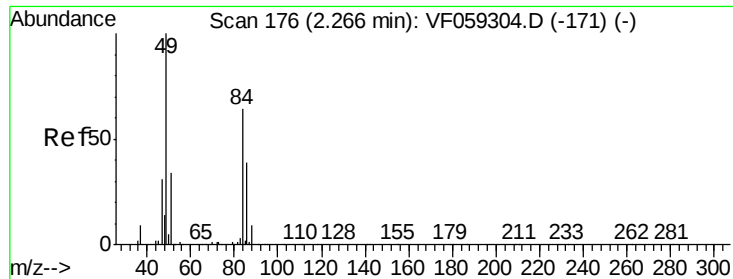
Tgt Ion: 76 Resp: 7345

Ion Ratio Lower Upper

76 100

78 8.5 8.9 13.3#

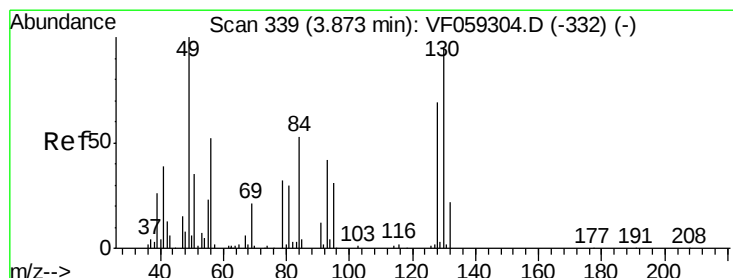
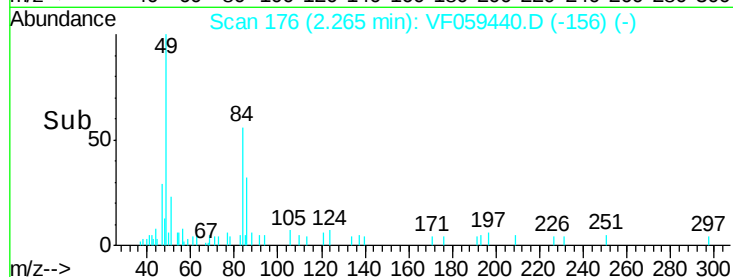
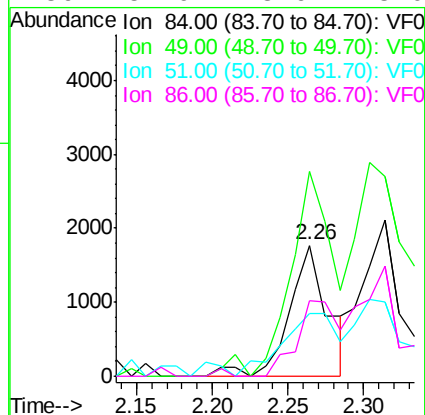
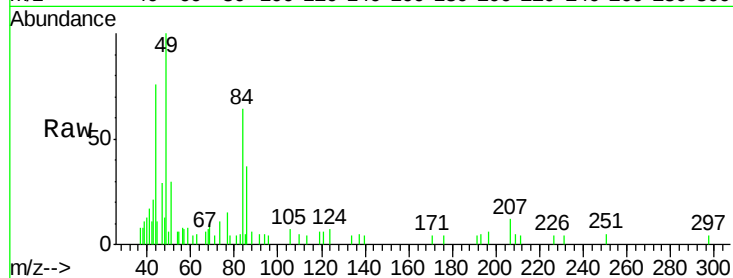




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059440.D
Acq: 5 Jul 2018 18:03

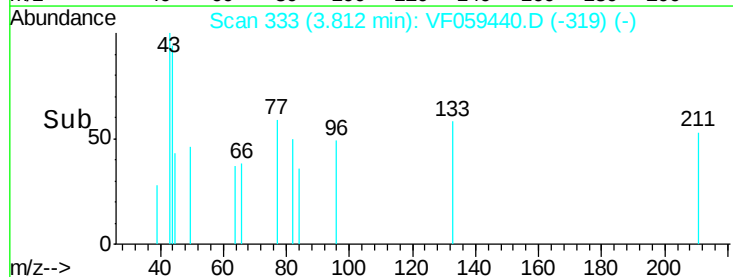
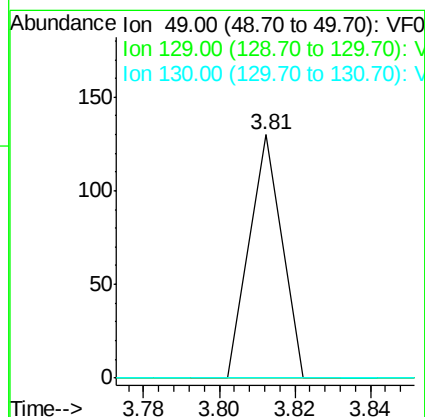
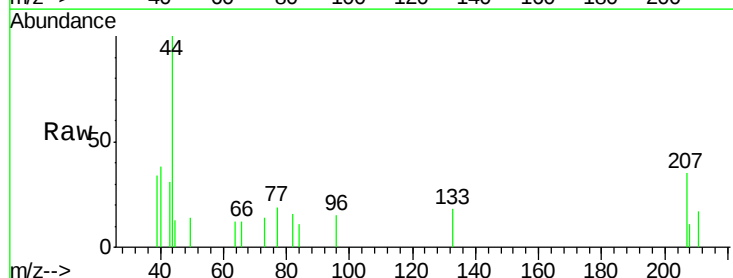
Instrument :
MSVOA_F
ClientSampleId :

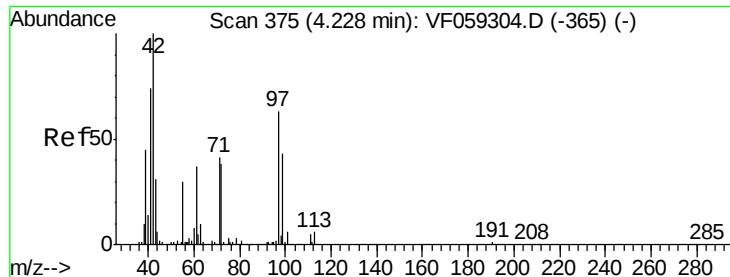
Tot Ion: 84 Resp: 3181
Ion Ratio Lower Upper
84 100
49 156.6 126.5 189.7
51 47.4 42.9 64.3
86 57.9 48.6 73.0



#28
Bromochloromethane
Concen: Below Cal
RT: 3.81 min Scan# 333
Delta R.T. -0.06 min
Lab File: VF059440.D
Acq: 5 Jul 2018 18:03

Tgt Ion: 49 Resp: 77
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.4
130 0.0 75.1 112.7#

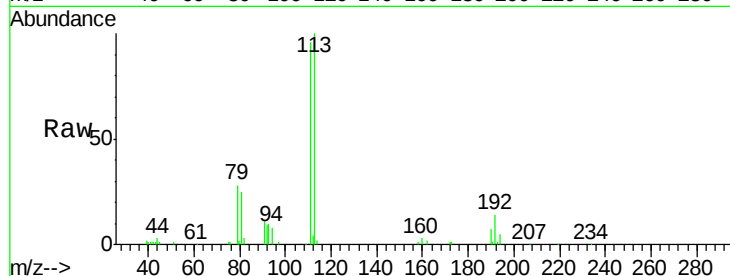




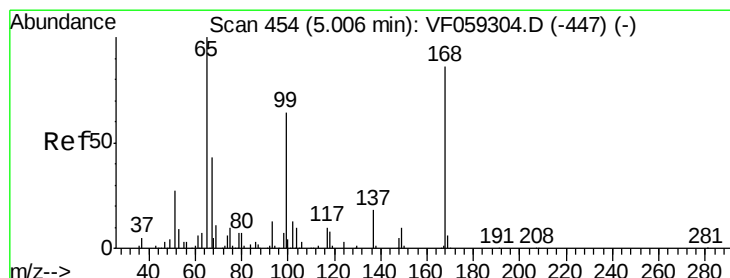
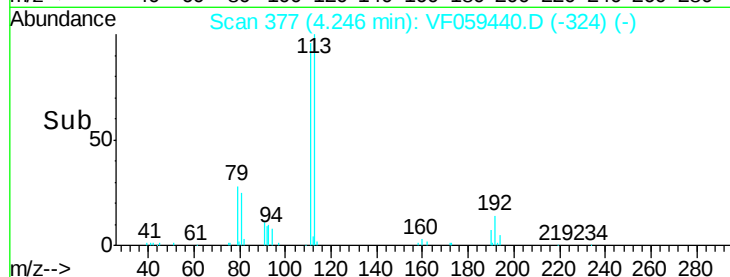
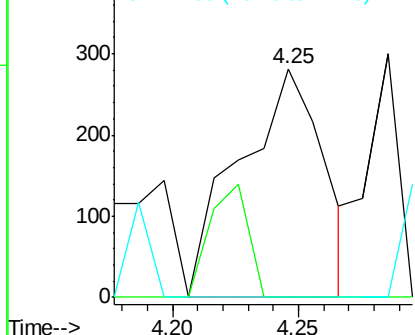
#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.25 min Scan# 377
Delta R.T. 0.02 min
Lab File: VF059440.D
Acq: 5 Jul 2018 18:03

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 42 Resp: 657
Ion Ratio Lower Upper
42 100
72 22.4 30.5 45.7#
71 0.0 32.5 48.7#

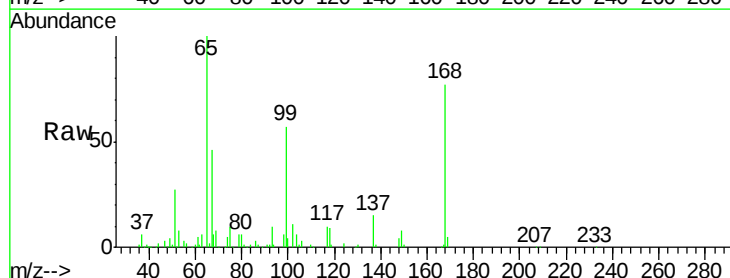


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

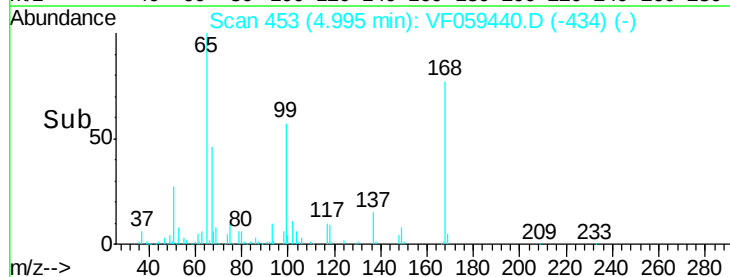
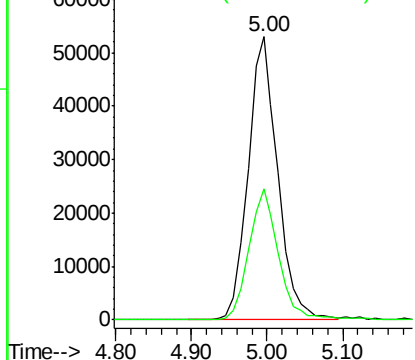


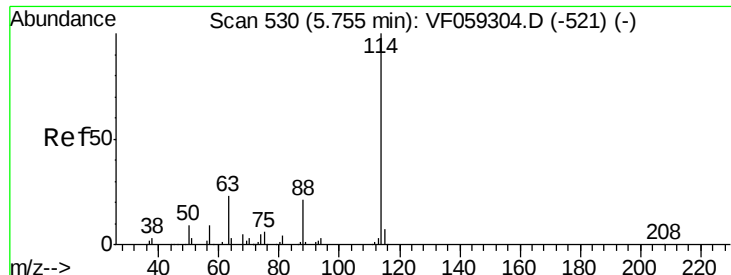
#33
1,2-Dichloroethane-d4
Concen: 50.575 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF059440.D
Acq: 5 Jul 2018 18:03

Tgt Ion: 65 Resp: 143694
Ion Ratio Lower Upper
65 100
67 46.1 0.0 96.8



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: 5.74 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059440.D

Acq: 5 Jul 2018 18:03

Instrument :

MSVOA_F

ClientSampleId :

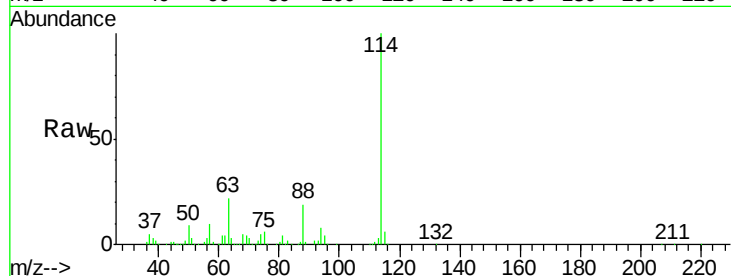
Tot Ion:114 Resp: 332490

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.8

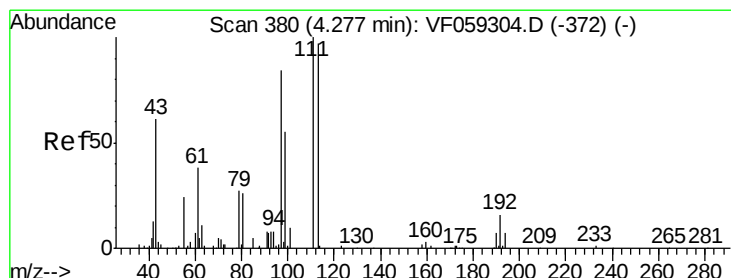
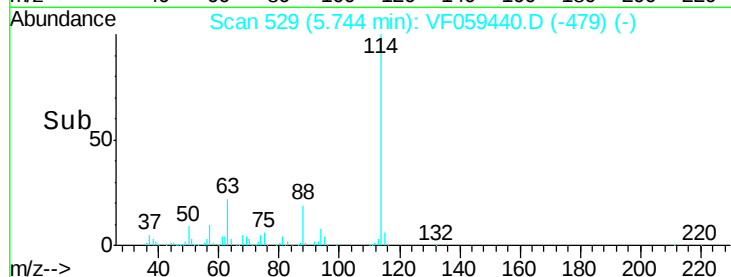
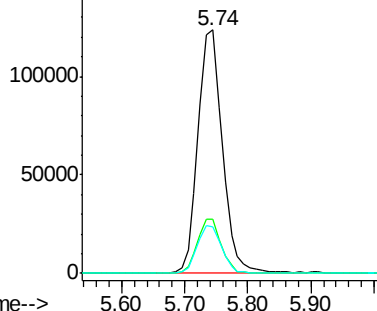
88 19.1 0.0 41.2



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: 51.338 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059440.D

Acq: 5 Jul 2018 18:03

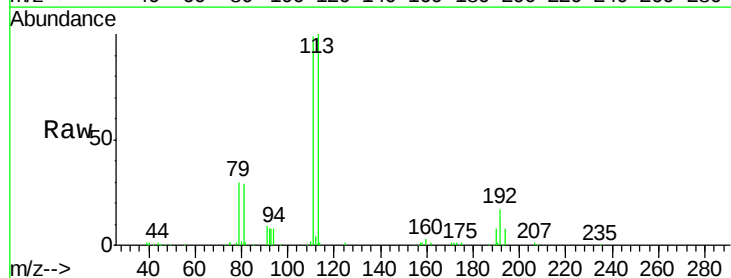
Tgt Ion:113 Resp: 124720

Ion Ratio Lower Upper

113 100

111 99.3 82.1 123.1

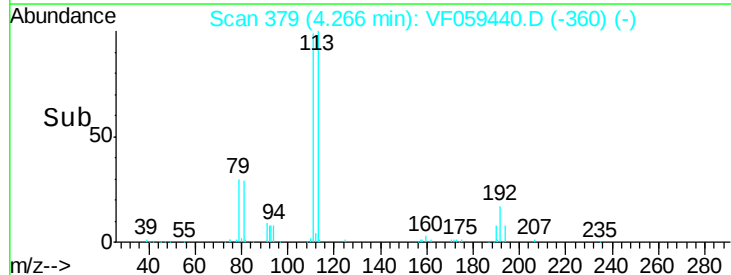
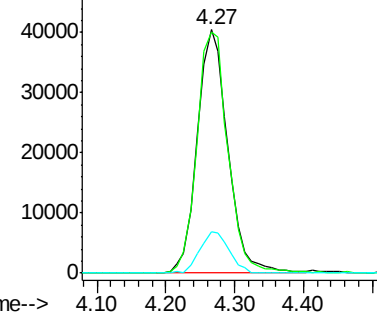
192 17.0 13.0 19.6

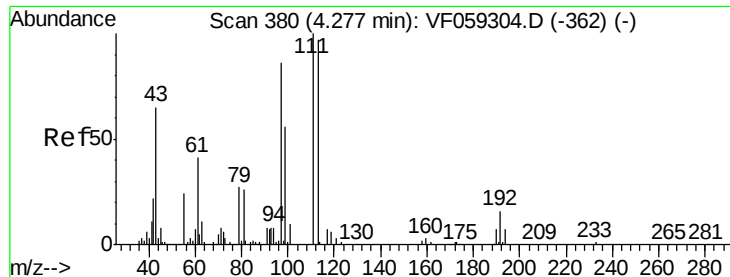


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

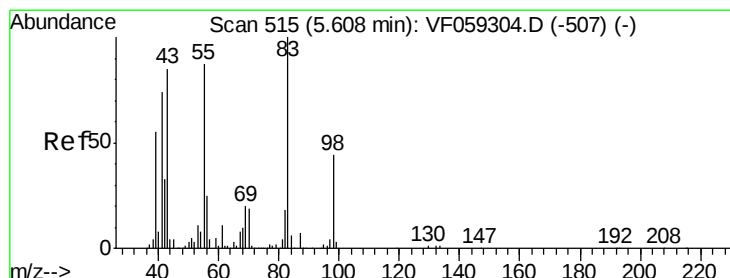
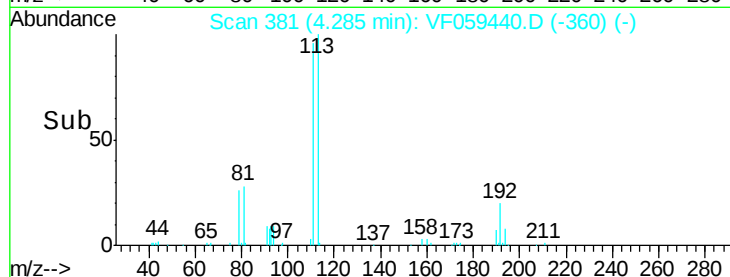
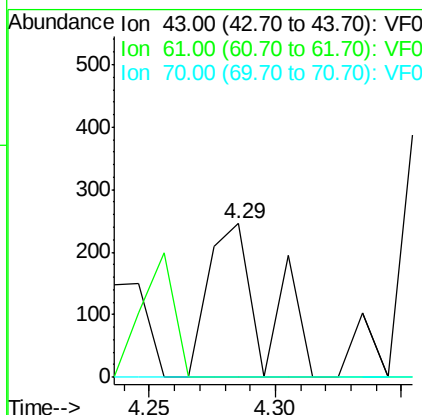
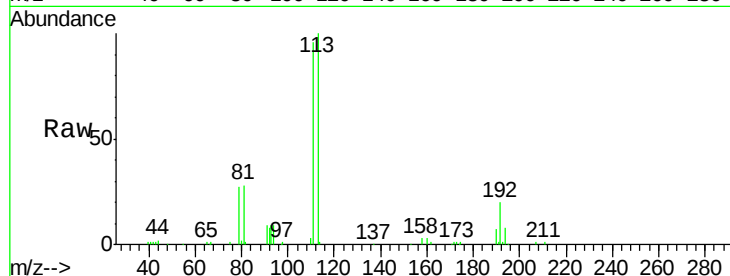




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059440.D
Acq: 5 Jul 2018 18:03

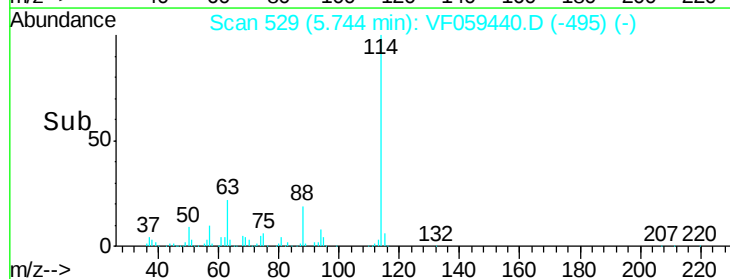
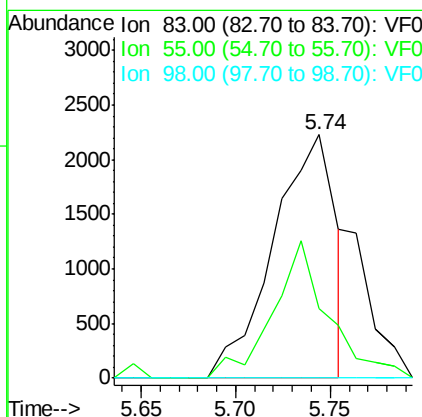
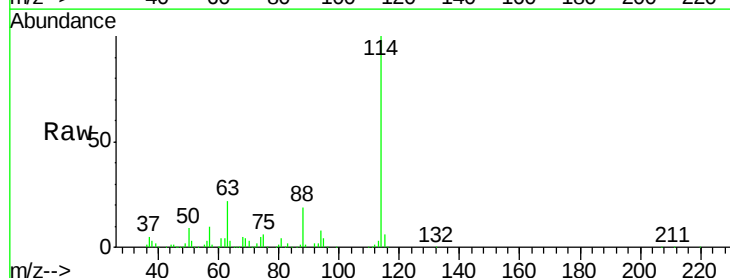
Instrument :
MSVOA_F
ClientSampleId :

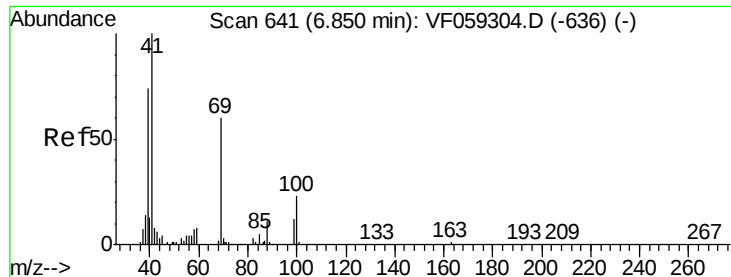
Tot Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
61 0.0 50.1 75.1#
70 0.0 6.2 9.4#



#39
Methylcyclohexane
Concen: 1.996 ug/l
RT: 5.74 min Scan# 529
Delta R.T. 0.14 min
Lab File: VF059440.D
Acq: 5 Jul 2018 18:03

Tgt Ion: 83 Resp: 5137
Ion Ratio Lower Upper
83 100
55 28.6 69.2 103.8#
98 0.0 35.0 52.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.41 min Scan# 597

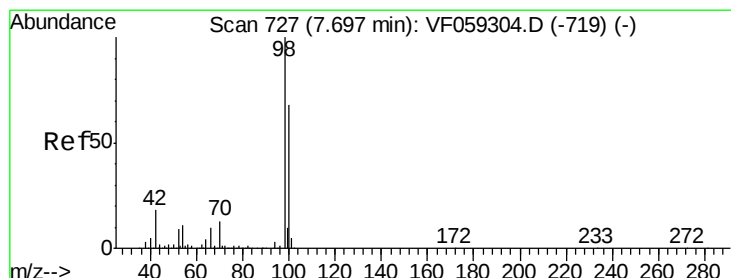
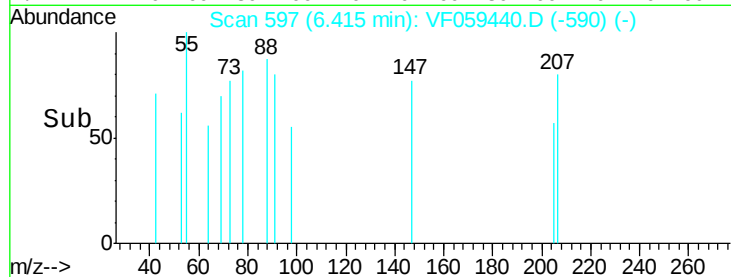
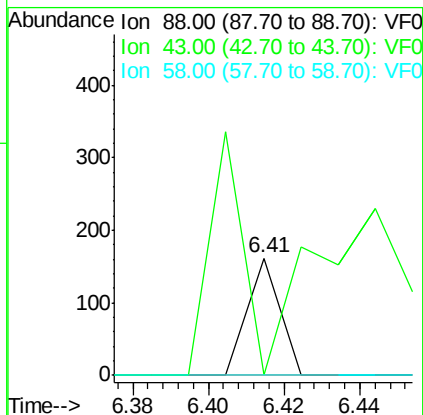
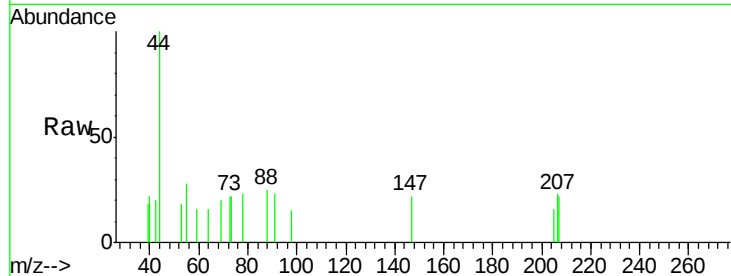
Delta R.T. -0.43 min

Lab File: VF059440.D

Acq: 5 Jul 2018 18:03

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	88	Resp:	96
Ion	Ratio	Lower	Upper
88	100		
43	0.0	50.6	75.8#
58	0.0	46.6	69.8#



#50

Toluene-d8

Concen: 44.665 ug/l

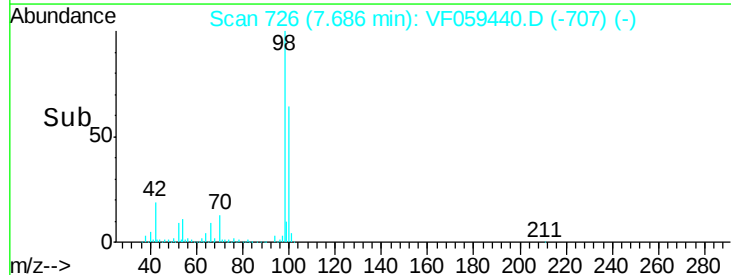
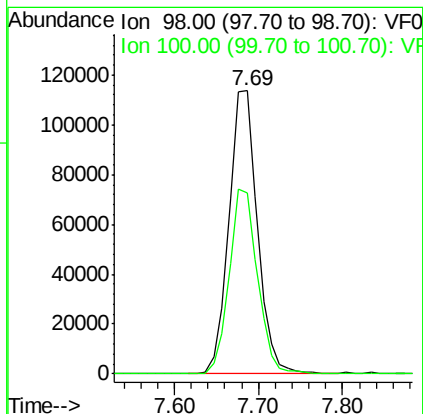
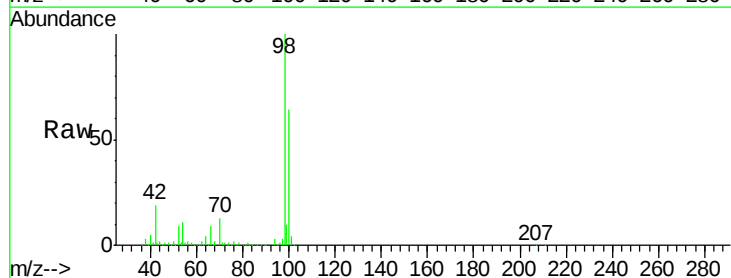
RT: 7.69 min Scan# 726

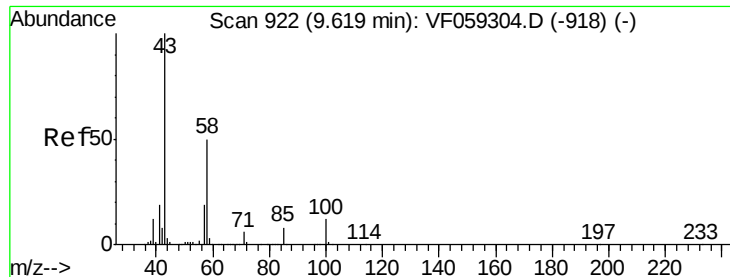
Delta R.T. -0.01 min

Lab File: VF059440.D

Acq: 5 Jul 2018 18:03

Tgt Ion:	98	Resp:	268658
Ion	Ratio	Lower	Upper
98	100		
100	63.7	54.6	82.0

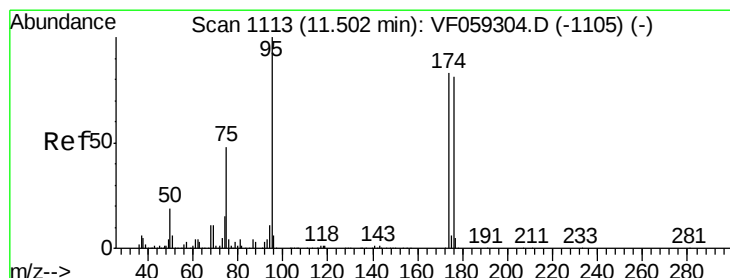
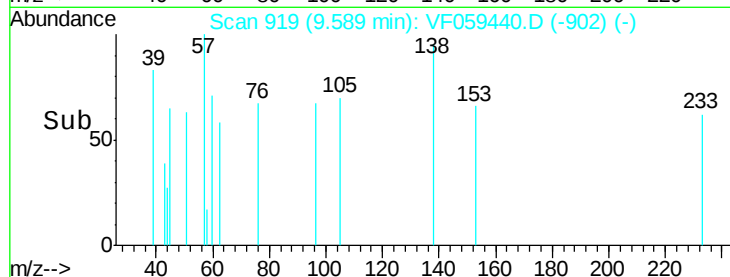
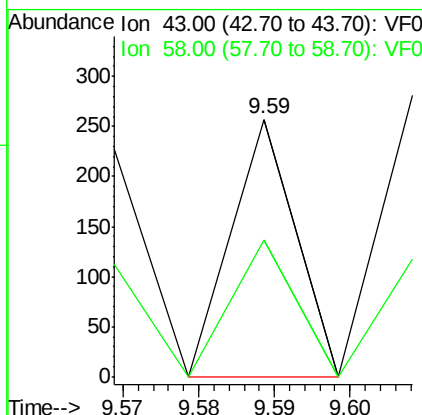
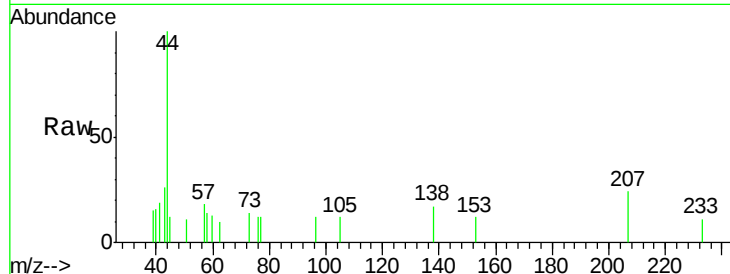




#59
2-Hexanone
Concen: Below Cal
RT: 9.59 min Scan# 919
Delta R.T. -0.03 min
Lab File: VF059440.D
Acq: 5 Jul 2018 18:03

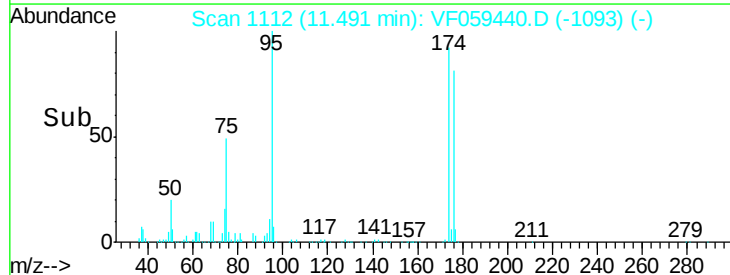
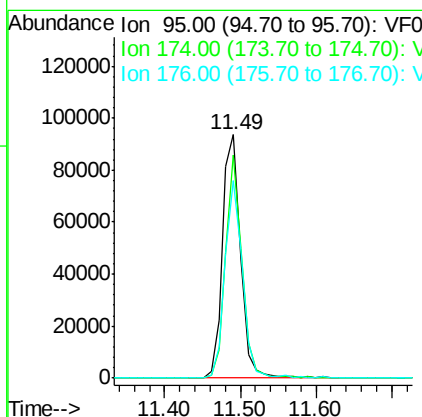
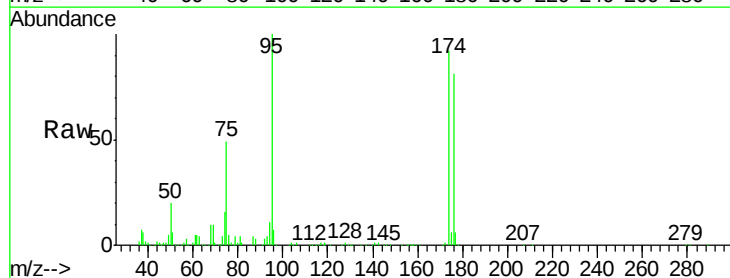
Instrument :
MSVOA_F
ClientSampleId :

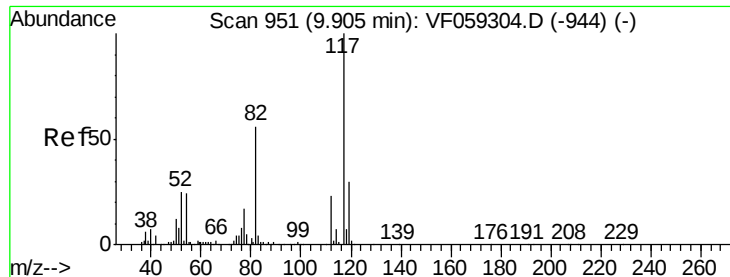
Tot Ion: 43 Resp: 152
Ion Ratio Lower Upper
43 100
58 52.9 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 46.131 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF059440.D
Acq: 5 Jul 2018 18:03

Tgt Ion: 95 Resp: 156522
Ion Ratio Lower Upper
95 100
174 91.7 0.0 165.2
176 81.4 0.0 161.0

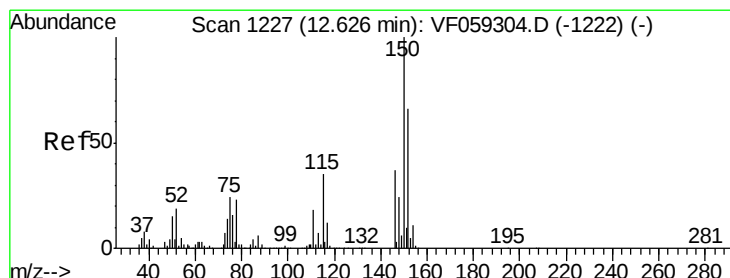
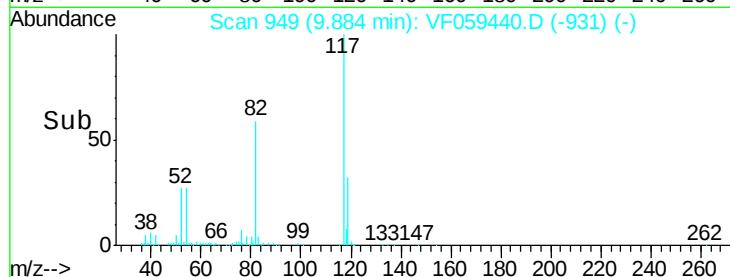
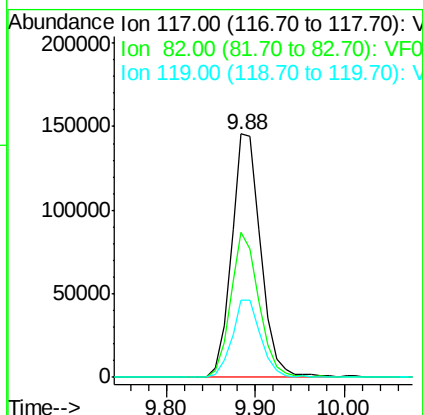
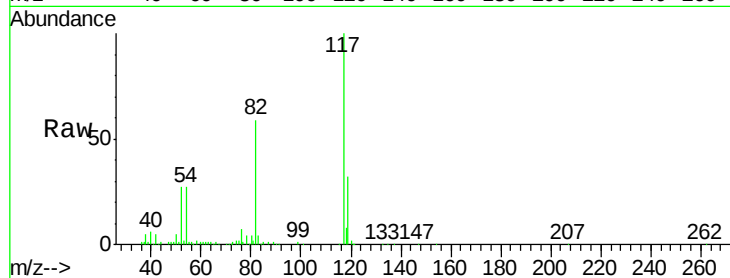




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 949
Delta R.T. -0.02 min
Lab File: VF059440.D
Acq: 5 Jul 2018 18:03

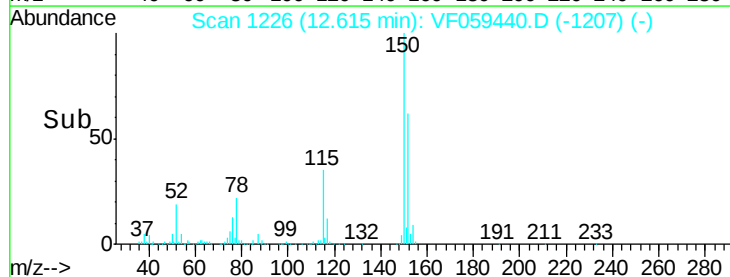
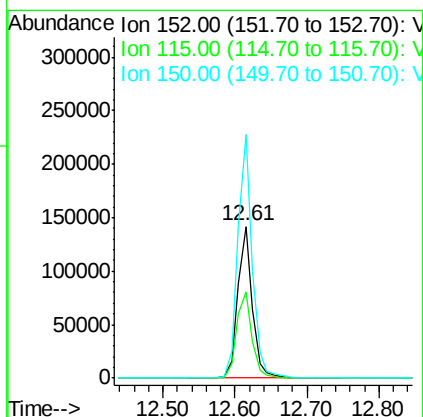
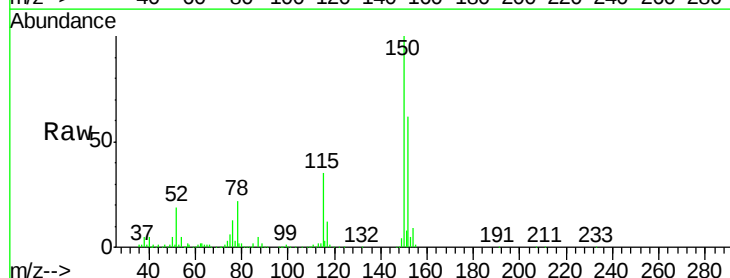
Instrument :
MSVOA_F
ClientSampleId :

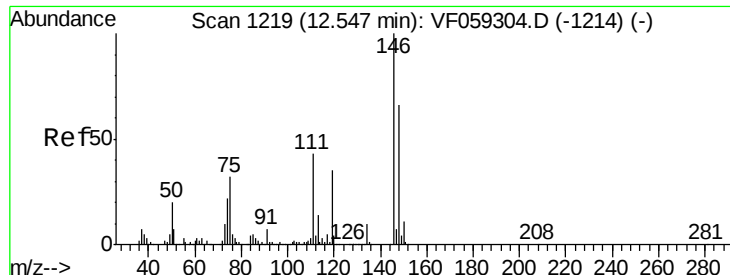
Tot Ion:117 Resp: 332754
Ion Ratio Lower Upper
117 100
82 59.5 44.6 66.8
119 31.5 24.1 36.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059440.D
Acq: 5 Jul 2018 18:03

Tgt Ion:152 Resp: 199323
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.3
150 160.2 0.0 305.2





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059440.D

Acq: 5 Jul 2018 18:03

Instrument :

MSVOA_F

ClientSampleId :

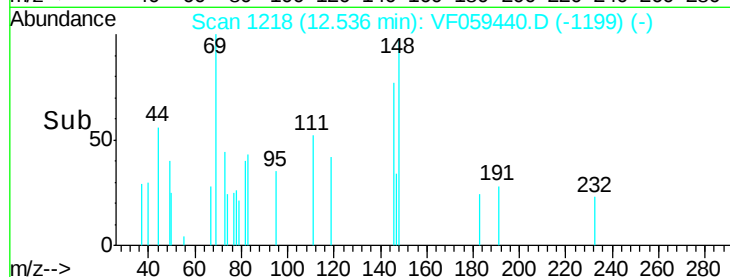
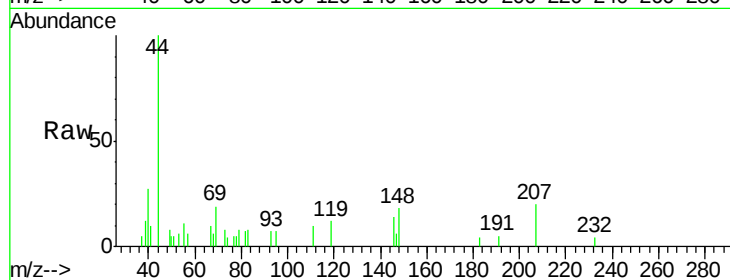
Tot Ion:146 Resp: 483

Ion Ratio Lower Upper

146 100

111 67.3 21.4 64.2#

148 127.5 32.8 98.4#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

