

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070318\
 Data File : VF059420.D
 Acq On : 3 Jul 2018 18:58
 Operator : VA/AP
 Sample : J3252-05RE
 Misc : 7.45g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-062918

Quant Time: Jul 04 00:13:31 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

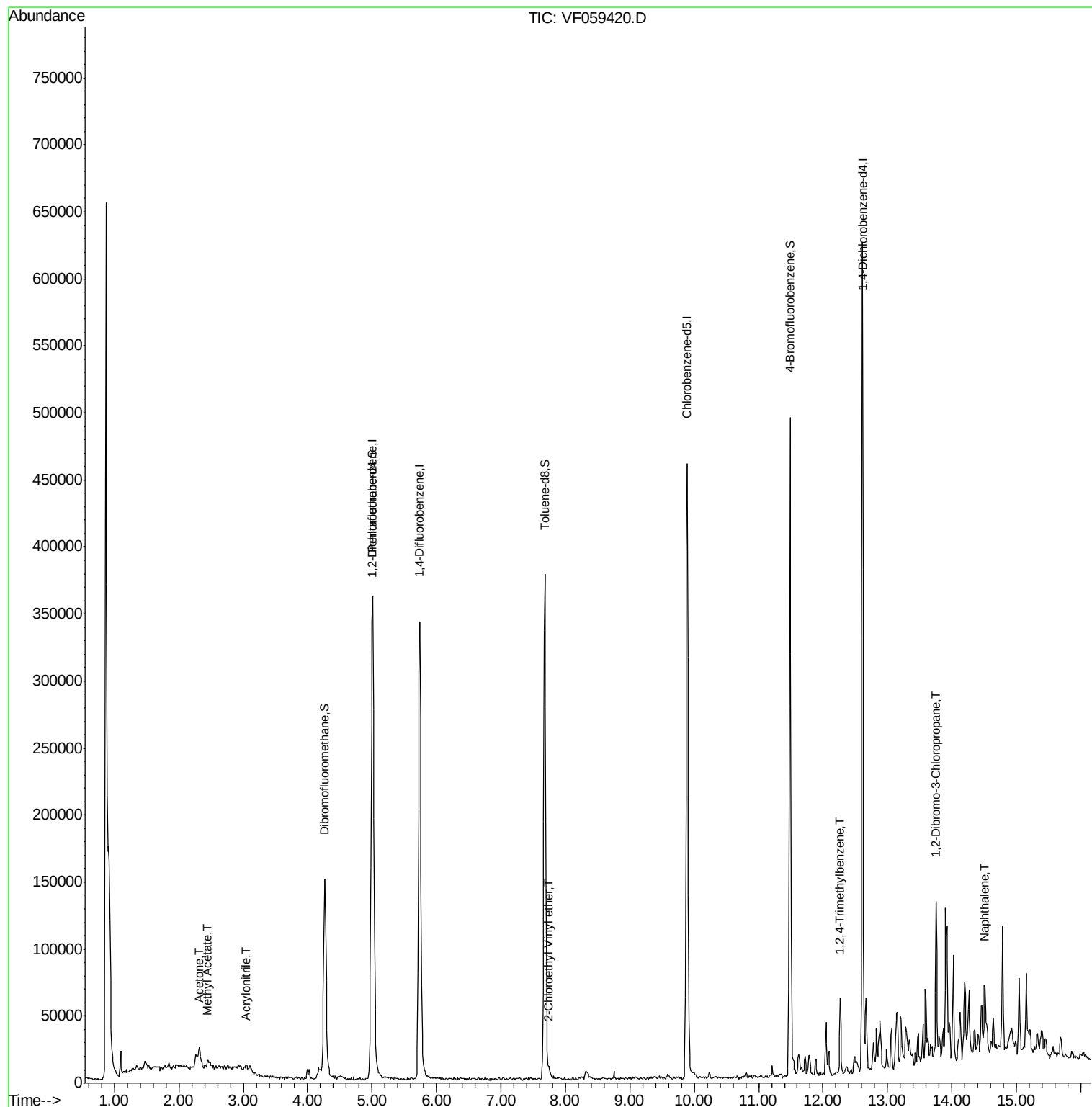
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	224555	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.74	114	350268	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	310758	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	145452	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	173539	59.82	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	119.64%	
35) Dibromofluoromethane	4.27	113	134909	52.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.42%	
50) Toluene-d8	7.68	98	306633	48.39	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.78%	
62) 4-Bromofluorobenzene	11.49	95	154029	43.09	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	86.18%	
Target Compounds						
5) Bromomethane	1.33	94	378	Below Cal	#	4
13) Acrolein	2.18	56	353	Below Cal		88
15) Acrylonitrile	3.05	53	1113	3.272 ug/l	#	49
16) Acetone	2.32	43	16208	12.687 ug/l		95
18) Methyl Acetate	2.45	43	5836	3.371 ug/l	#	83
20) Methylene Chloride	2.31	84	8016	Below Cal	#	79
28) Bromochloromethane	4.00	49	351	Below Cal	#	6
29) Tetrahydrofuran	4.23	42	676	Below Cal	#	56
37) Ethyl Acetate	4.30	43	376	Below Cal	#	26
49) 1,4-Dioxane	6.85	88	82	Below Cal	#	56
58) 2-Chloroethyl Vinyl ether	7.74	63	266	1.453 ug/l		100
59) 2-Hexanone	9.61	43	1757	Below Cal		82
84) 1,2,4-Trimethylbenzene	12.27	105	26048	3.332 ug/l		88
87) 1,3-Dichlorobenzene	12.53	146	280	Below Cal	#	51
92) 1,2-Dibromo-3-Chloropropan	13.75	75	780	1.644 ug/l	#	1
95) Naphthalene	14.50	128	9166	1.388 ug/l	#	84

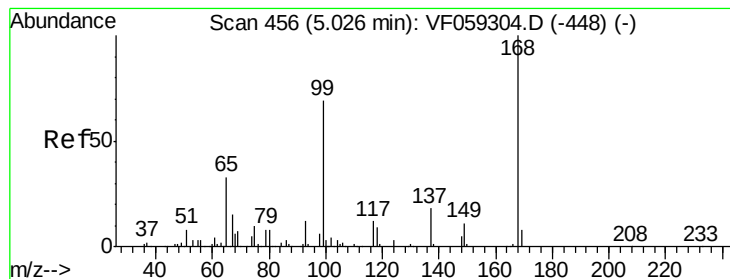
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059420.D

Acq: 3 Jul 2018 18:58

Instrument :

MSVOA_F

ClientSampleId :

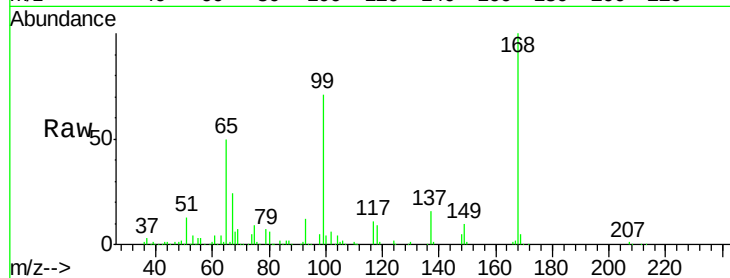
TR-04-062918

Tgt Ion:168 Resp: 224555

Ion Ratio Lower Upper

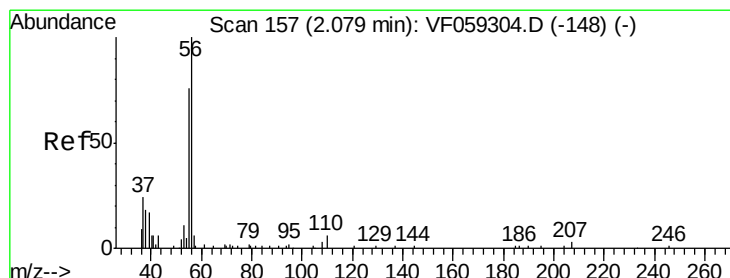
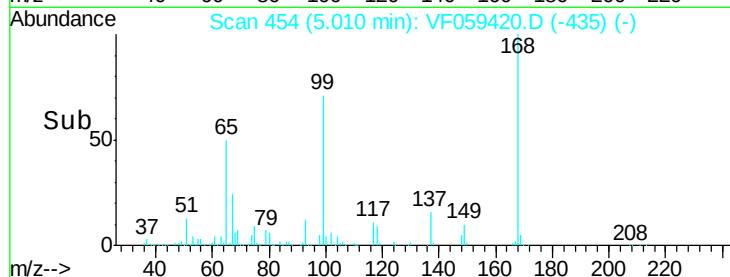
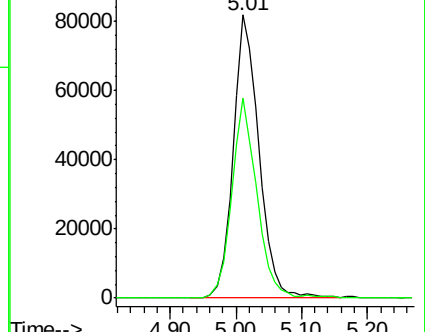
168 100

99 70.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#13

Acrolein

Concen: Below Cal

RT: 2.18 min Scan# 167

Delta R.T. 0.10 min

Lab File: VF059420.D

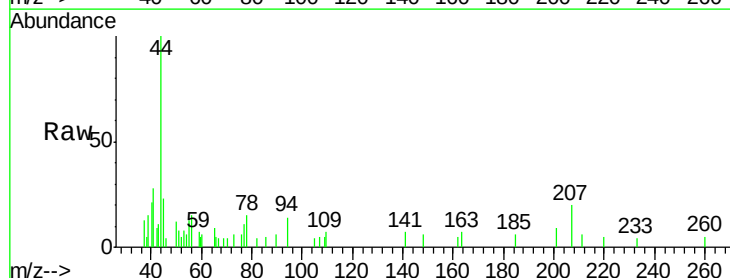
Acq: 3 Jul 2018 18:58

Tgt Ion: 56 Resp: 353

Ion Ratio Lower Upper

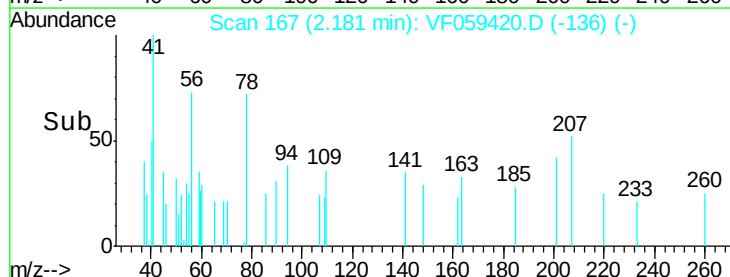
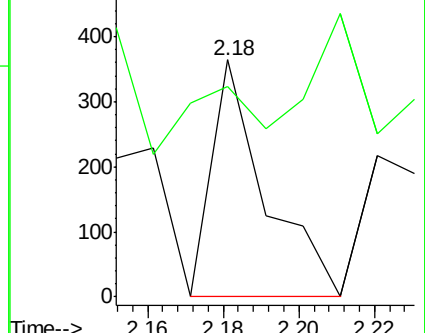
56 100

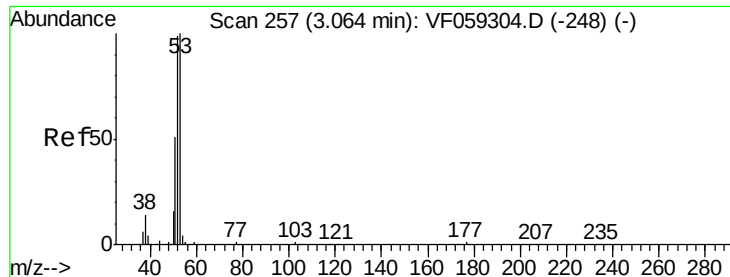
55 88.7 62.4 93.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#15

Acrylonitrile

Concen: 3.272 ug/l

RT: 3.05 min Scan# 255

Delta R.T. -0.02 min

Lab File: VF059420.D

Acq: 3 Jul 2018 18:58

Instrument :

MSVOA_F

ClientSampleId :

TR-04-062918

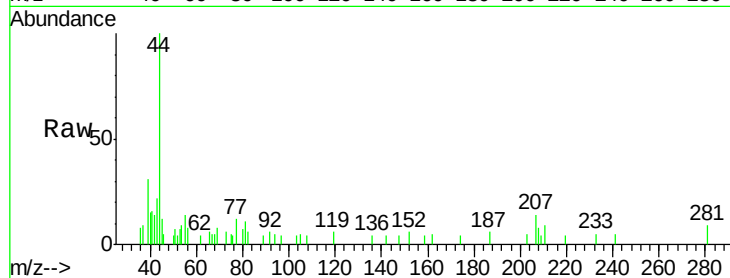
Tgt Ion: 53 Resp: 1113

Ion Ratio Lower Upper

53 100

52 27.4 79.2 118.8#

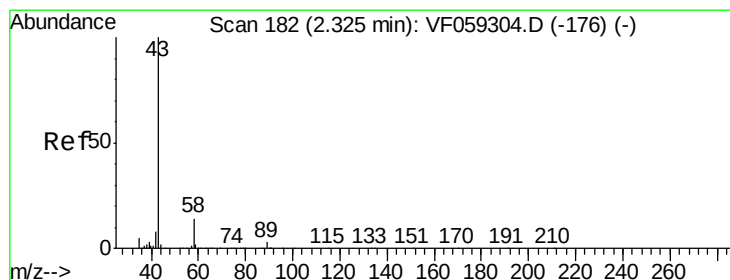
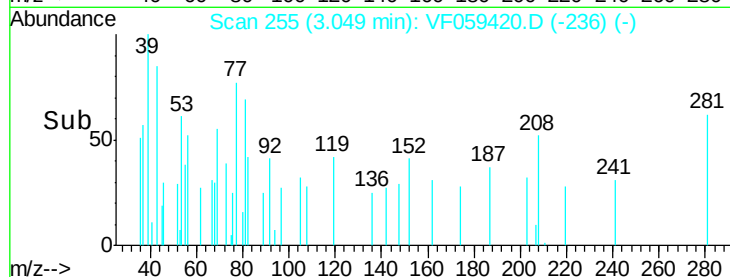
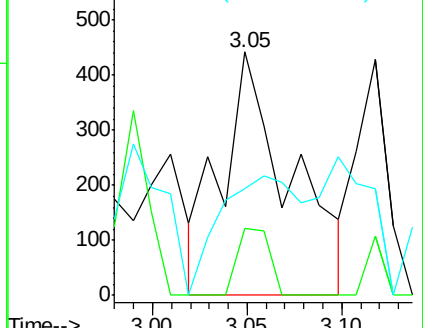
51 43.7 40.9 61.3



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: 12.687 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059420.D

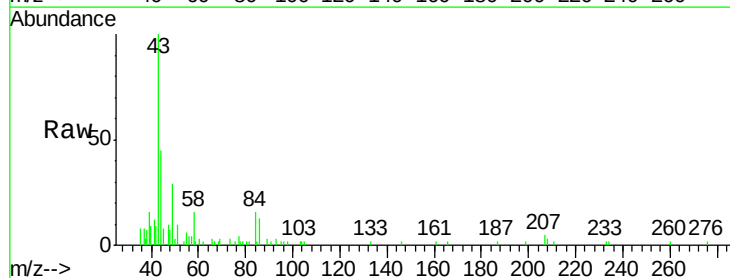
Acq: 3 Jul 2018 18:58

Tgt Ion: 43 Resp: 16208

Ion Ratio Lower Upper

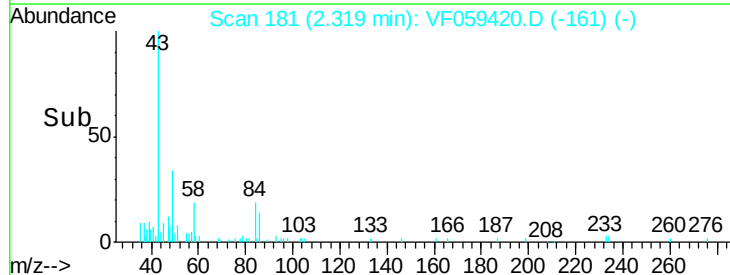
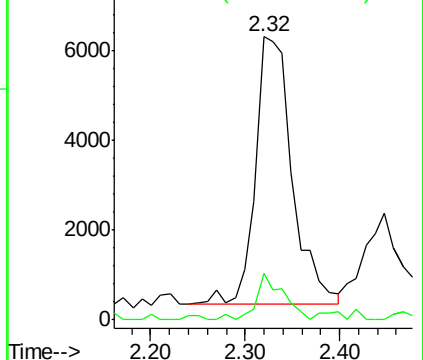
43 100

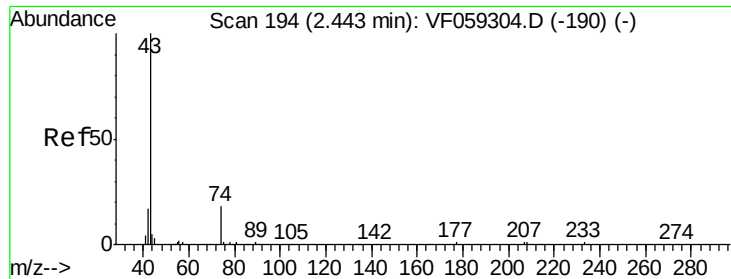
58 16.4 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

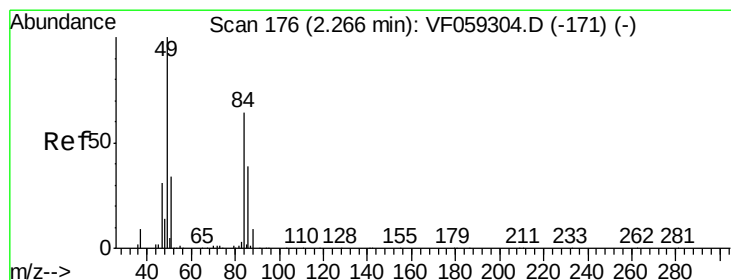
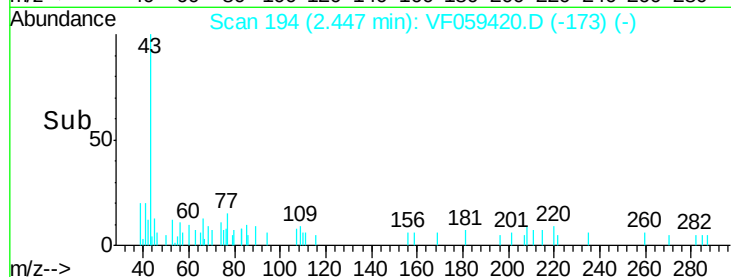
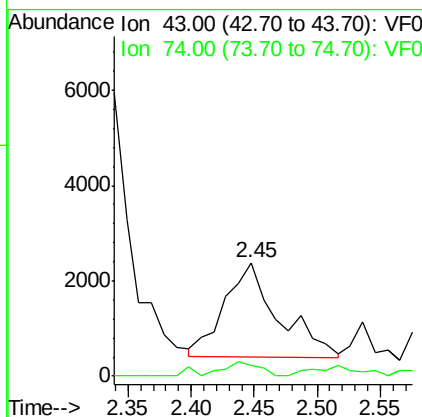
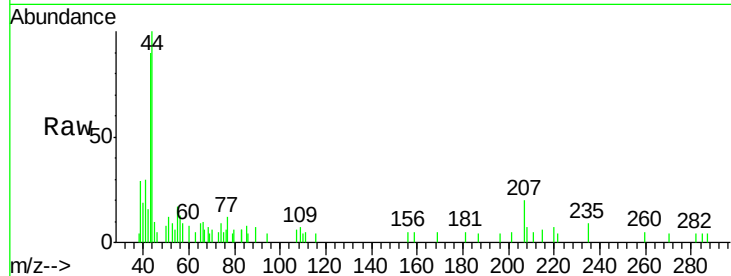




#18
Methyl Acetate
Concen: 3.371 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059420.D
Acq: 3 Jul 2018 18:58

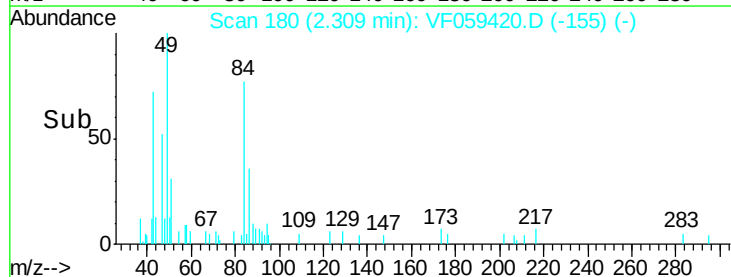
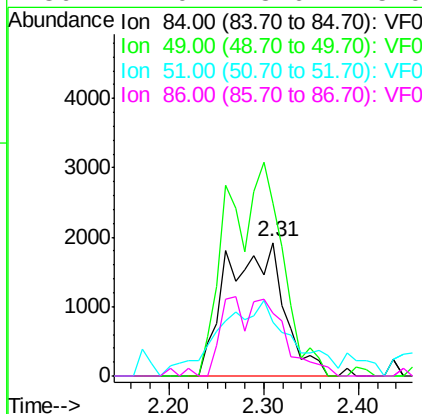
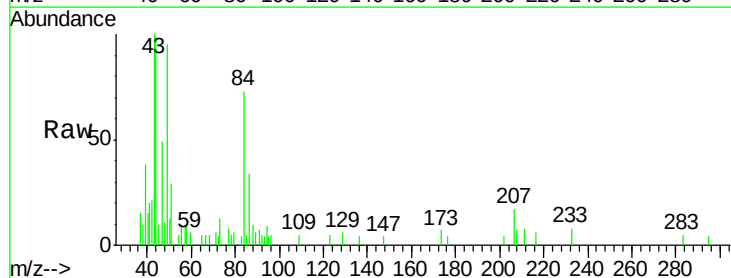
Instrument :
MSVOA_F
ClientSampleId :
TR-04-062918

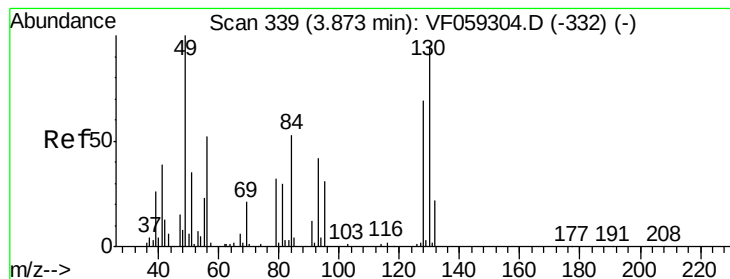
Tgt Ion: 43 Resp: 5836
Ion Ratio Lower Upper
43 100
74 9.4 13.3 19.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.31 min Scan# 180
Delta R.T. 0.04 min
Lab File: VF059420.D
Acq: 3 Jul 2018 18:58

Tgt Ion: 84 Resp: 8016
Ion Ratio Lower Upper
84 100
49 129.3 126.5 189.7
51 39.9 42.9 64.3#
86 47.0 48.6 73.0#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.00 min Scan# 352

Delta R.T. 0.13 min

Lab File: VF059420.D

Acq: 3 Jul 2018 18:58

Instrument :

MSVOA_F

ClientSampleId :

TR-04-062918

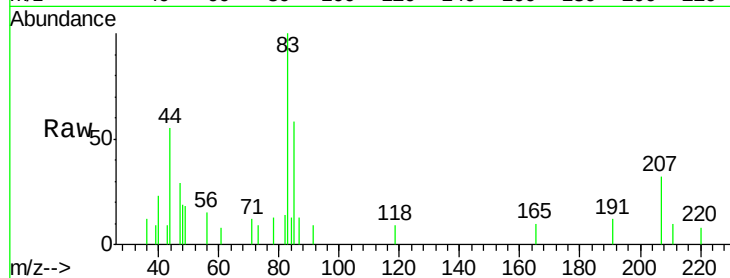
Tgt Ion: 49 Resp: 351

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

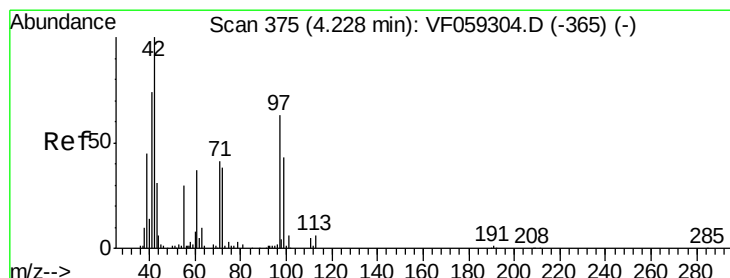
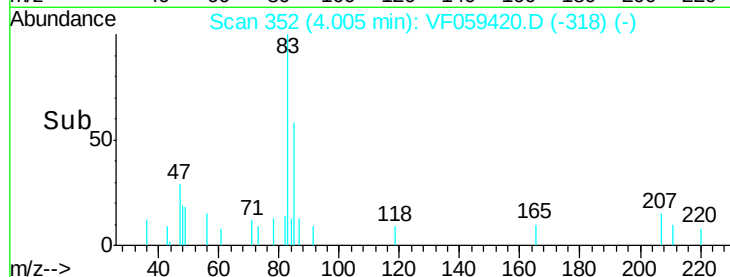
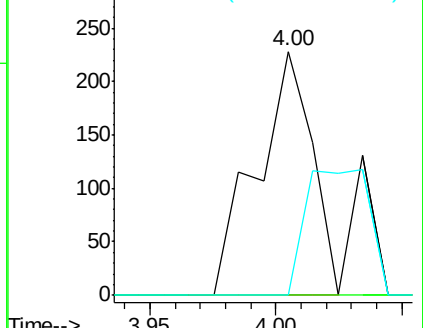
130 0.0 75.1 112.7#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): VF0

Ion 130.00 (129.70 to 130.70): VF0



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.23 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF059420.D

Acq: 3 Jul 2018 18:58

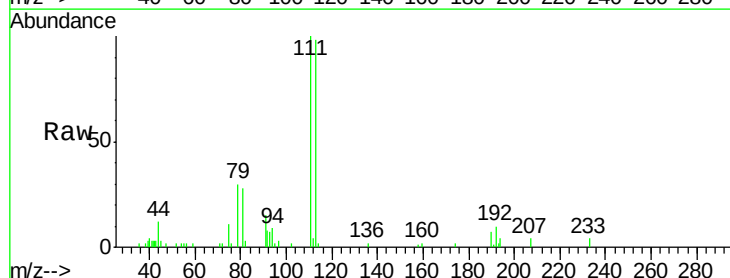
Tgt Ion: 42 Resp: 676

Ion Ratio Lower Upper

42 100

72 25.3 30.5 45.7#

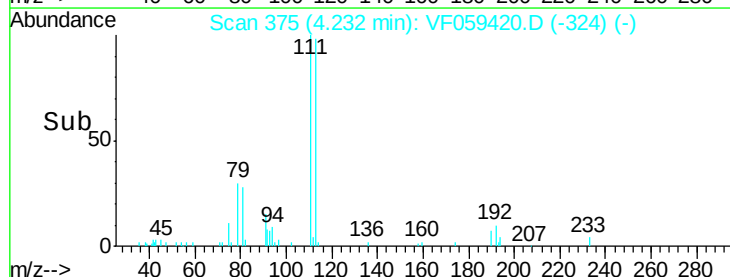
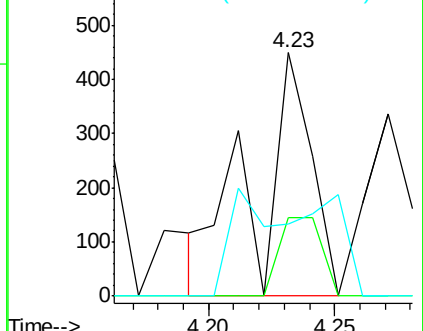
71 0.0 32.5 48.7#

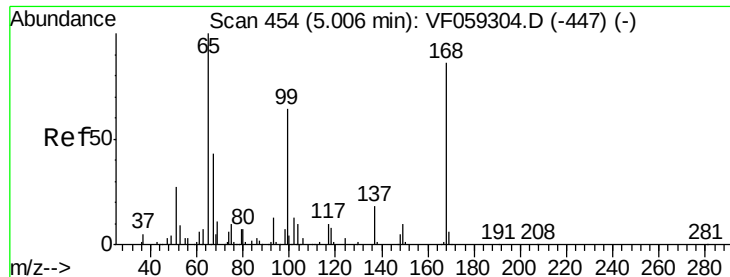


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

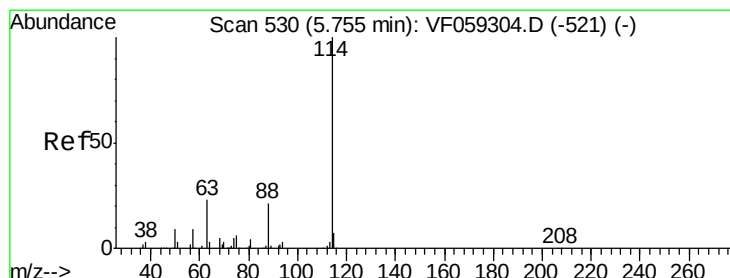
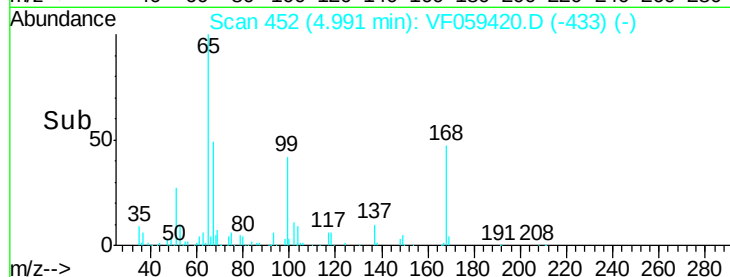
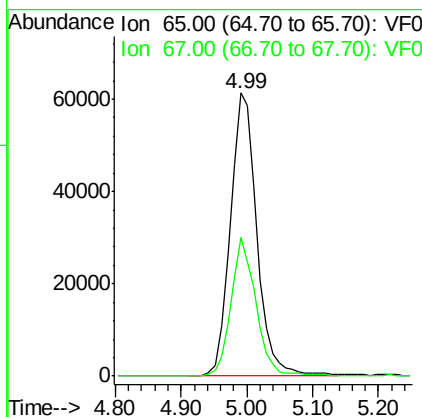
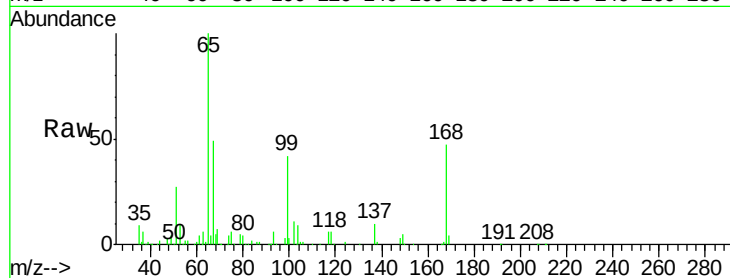




#33
 1,2-Dichloroethane-d4
 Concen: 59.816 ug/l
 RT: 4.99 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: VF059420.D
 Acq: 3 Jul 2018 18:58

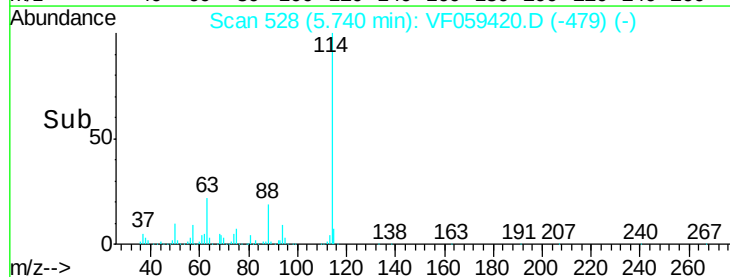
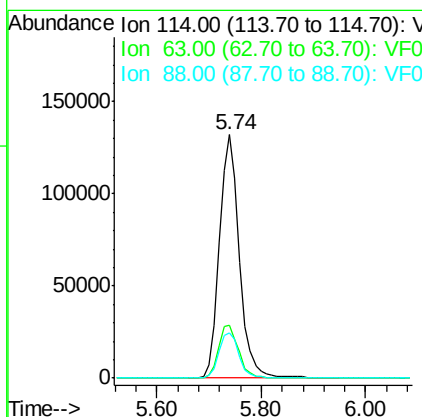
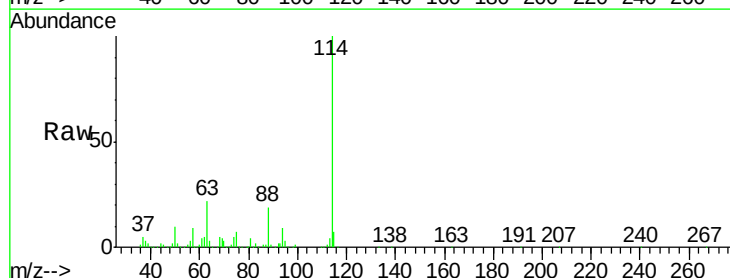
Instrument :
 MSVOA_F
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 TR-04-062918

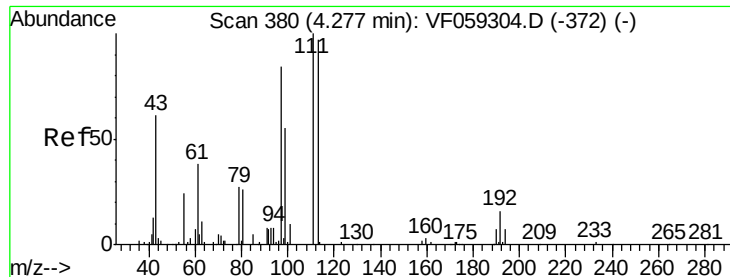
Tgt Ion: 65 Resp: 173539
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VF059420.D
 Acq: 3 Jul 2018 18:58

Tgt Ion: 114 Resp: 350268
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 45.8
 88 18.7 0.0 41.2

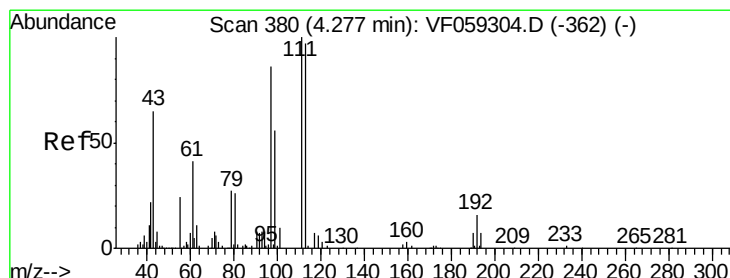
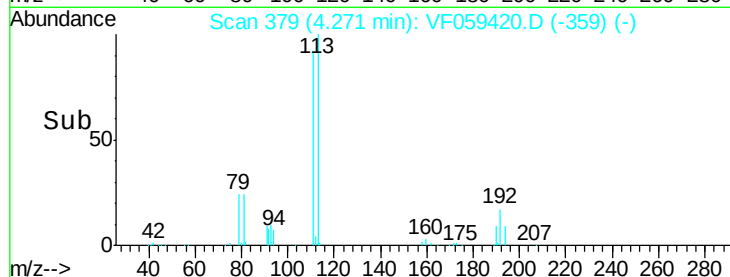
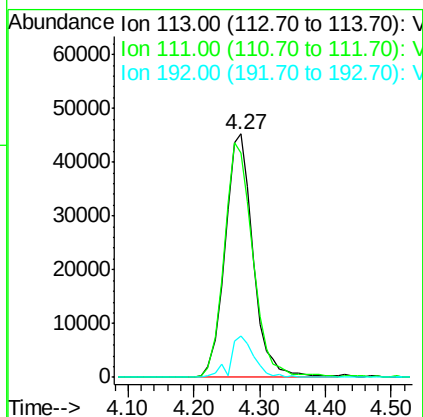
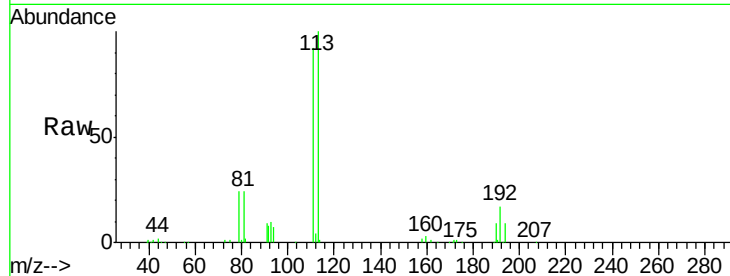




#35
 Dibromofluoromethane
 Concen: 52.713 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059420.D
 Acq: 3 Jul 2018 18:58

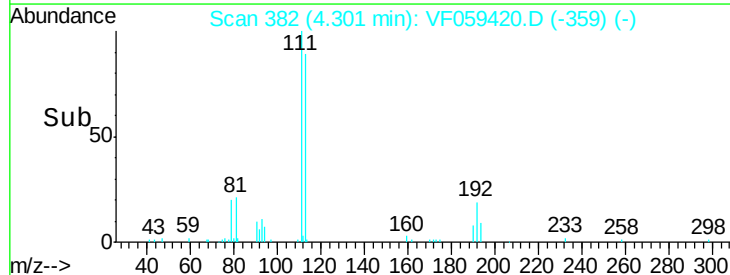
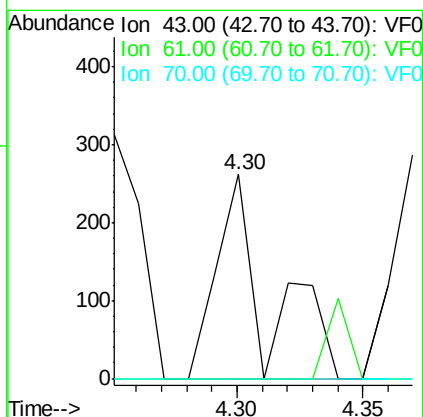
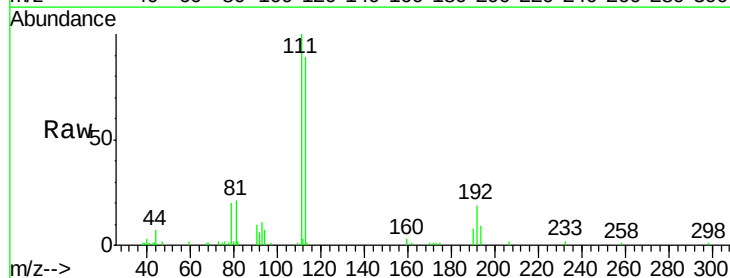
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-062918

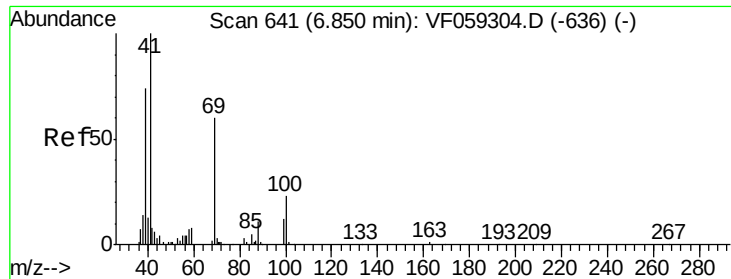
Tgt Ion	Ratio	Lower	Upper
113	100		
111	92.3	82.1	123.1
192	17.1	13.0	19.6



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.30 min Scan# 382
 Delta R.T. 0.02 min
 Lab File: VF059420.D
 Acq: 3 Jul 2018 18:58

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	50.1	75.1#
70	0.0	6.2	9.4#

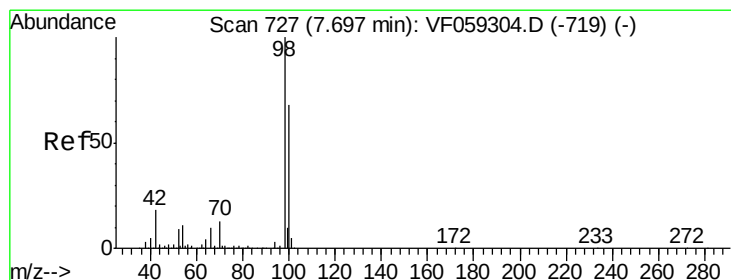
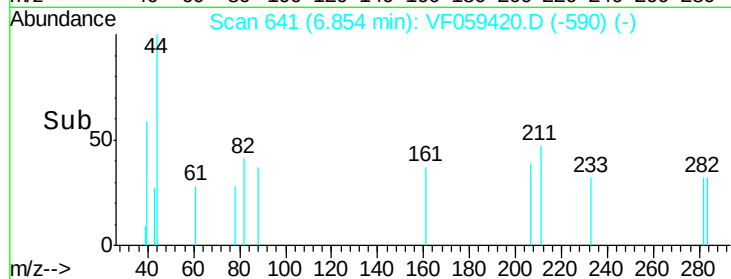
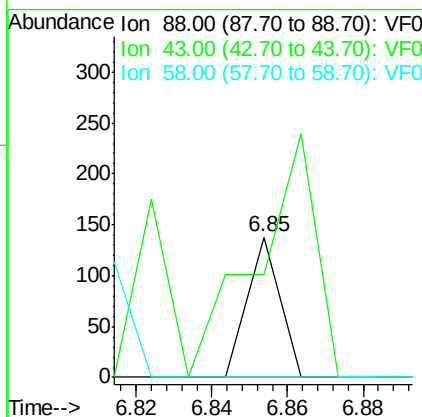
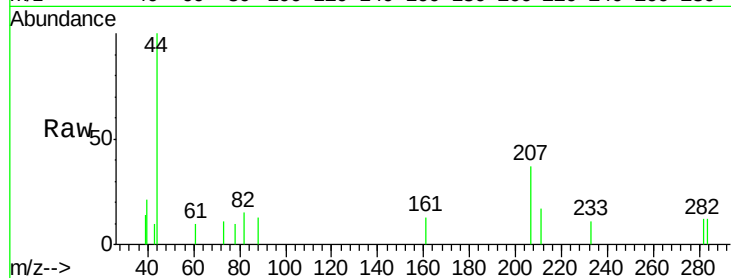




#49
1,4-Dioxane
Concen: Below Cal
RT: 6.85 min Scan# 641
Delta R.T. 0.00 min
Lab File: VF059420.D
Acq: 3 Jul 2018 18:58

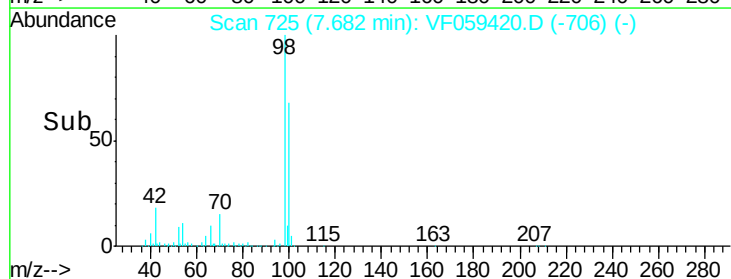
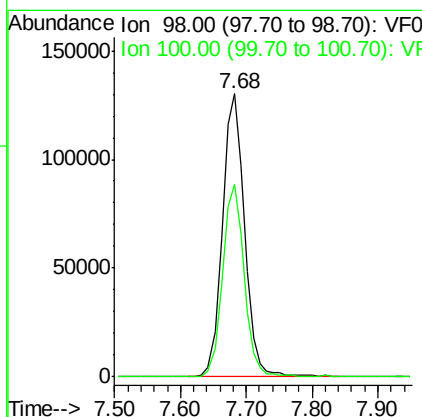
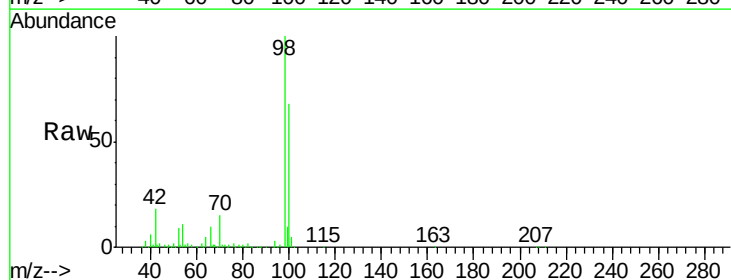
Instrument :
MSVOA_F
ClientSampleId :
TR-04-062918

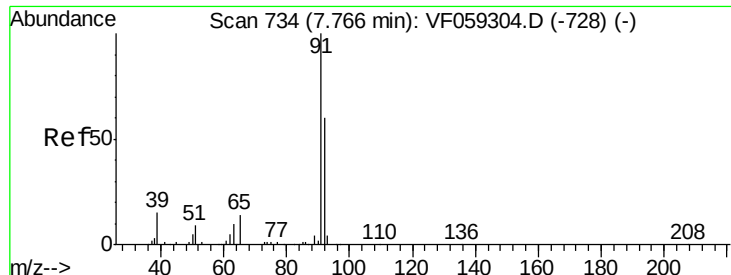
Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 73.2 50.6 75.8
58 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 48.391 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.02 min
Lab File: VF059420.D
Acq: 3 Jul 2018 18:58

Tgt Ion: 98 Resp: 306633
Ion Ratio Lower Upper
98 100
100 67.8 54.6 82.0

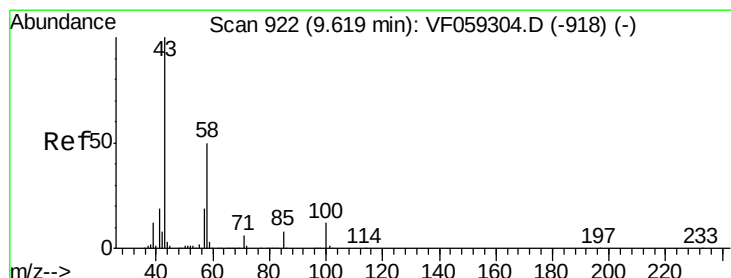
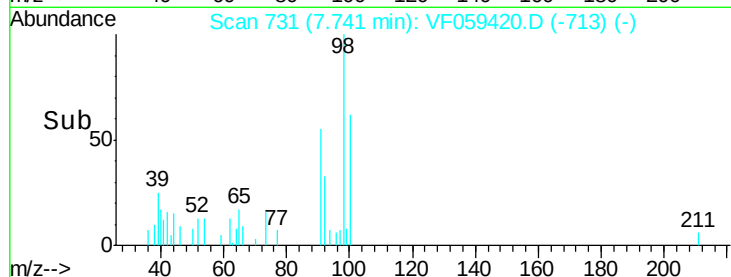
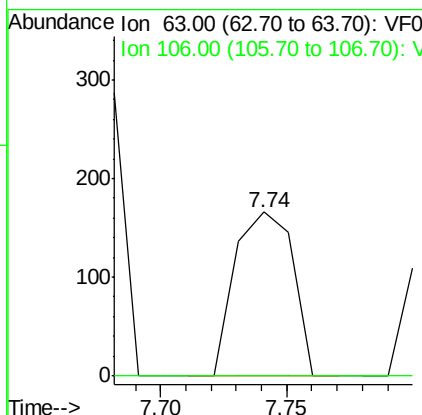
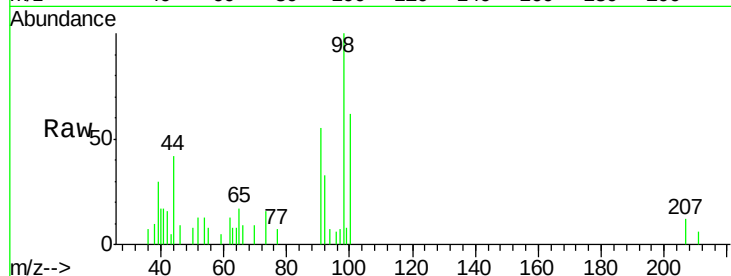




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.453 ug/l
 RT: 7.74 min Scan# 731
 Delta R.T. -0.03 min
 Lab File: VF059420.D
 Acq: 3 Jul 2018 18:58

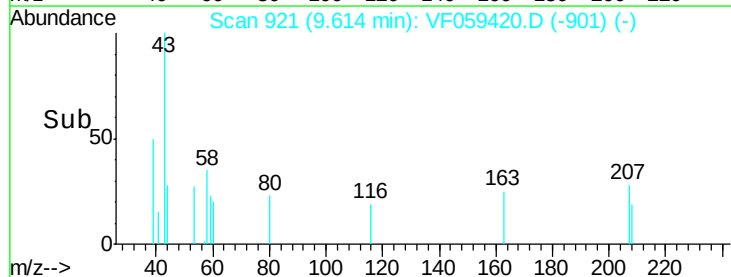
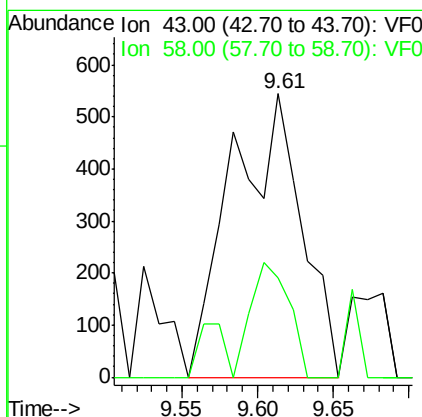
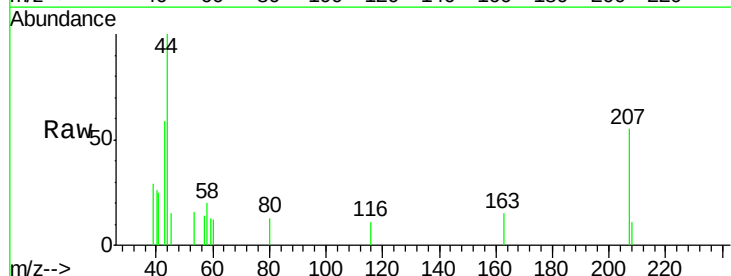
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-062918

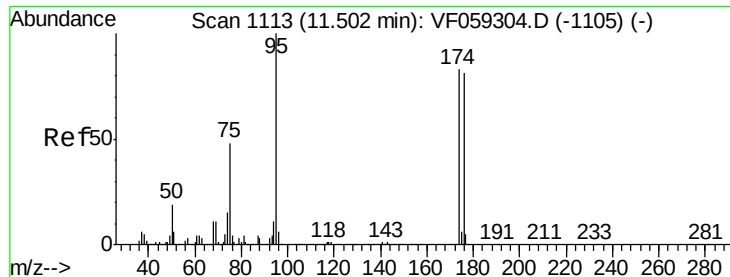
Tgt Ion: 63 Resp: 266
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.61 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VF059420.D
 Acq: 3 Jul 2018 18:58

Tgt Ion: 43 Resp: 1757
 Ion Ratio Lower Upper
 43 100
 58 34.9 23.3 69.9





#62

4-Bromofluorobenzene

Concen: 43.092 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF059420.D

Acq: 3 Jul 2018 18:58

Instrument :

MSVOA_F

ClientSampleId :

TR-04-062918

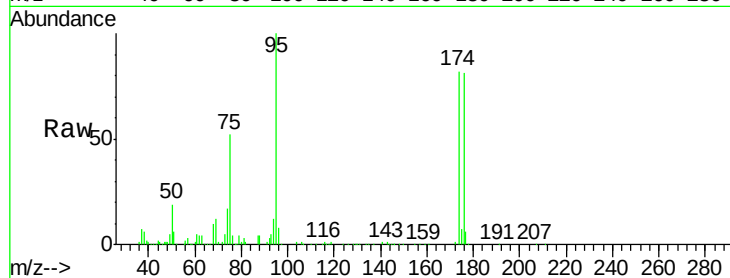
Tgt Ion: 95 Resp: 154029

Ion Ratio Lower Upper

95 100

174 82.2 0.0 165.2

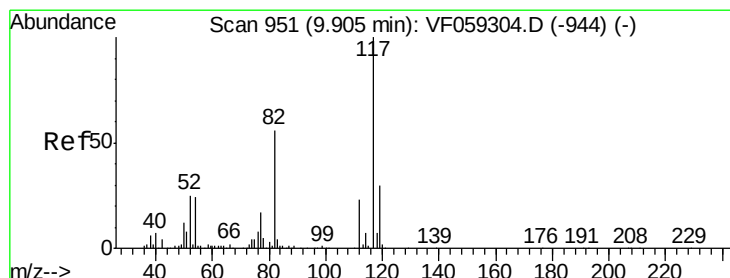
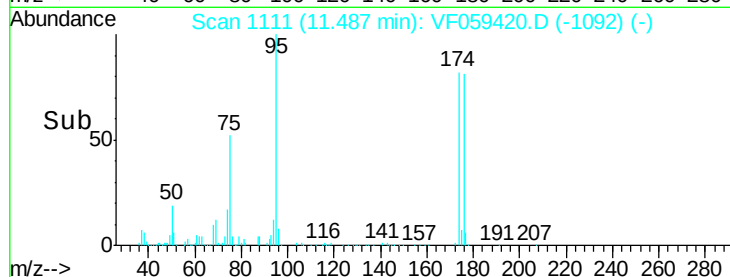
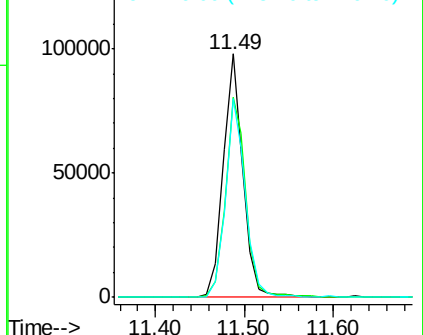
176 81.4 0.0 161.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 949

Delta R.T. -0.02 min

Lab File: VF059420.D

Acq: 3 Jul 2018 18:58

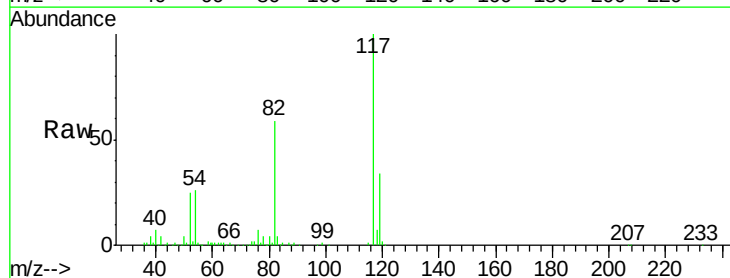
Tgt Ion: 117 Resp: 310758

Ion Ratio Lower Upper

117 100

82 59.2 44.6 66.8

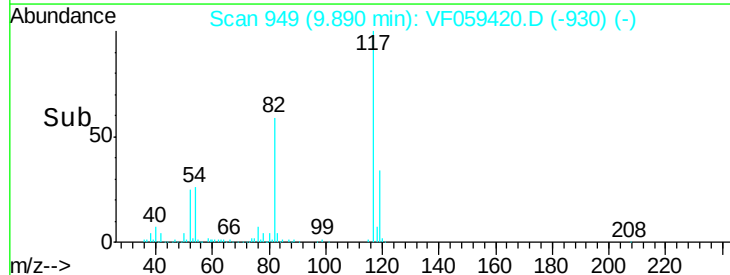
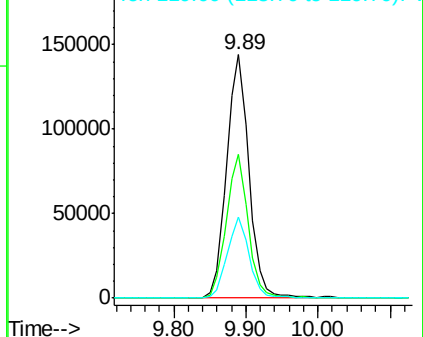
119 33.5 24.1 36.1

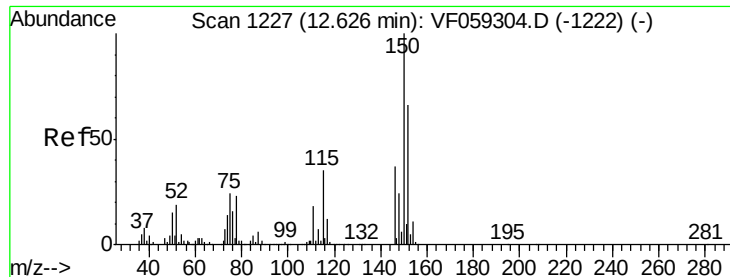


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



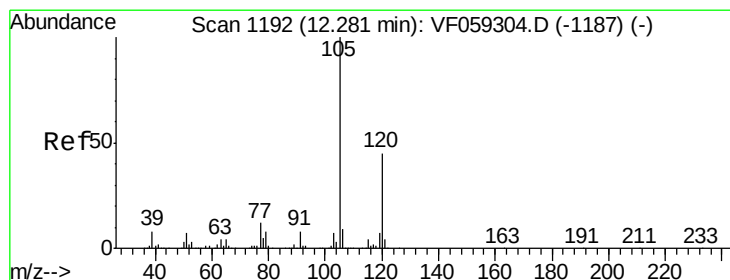
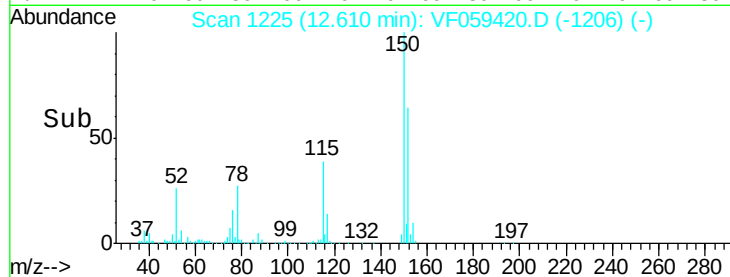
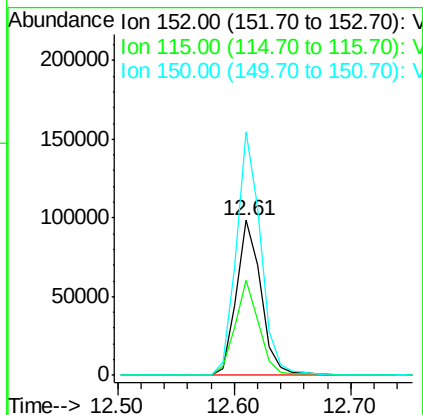
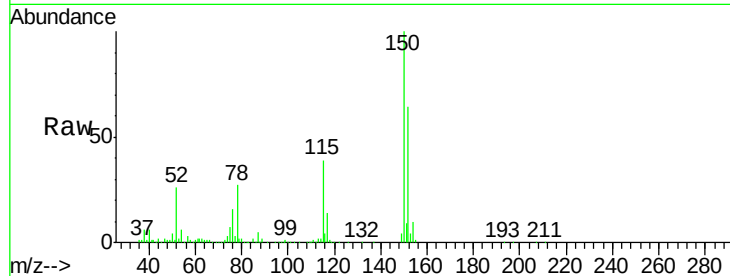


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF059420.D
Acq: 3 Jul 2018 18:58

Instrument :
MSVOA_F
ClientSampleId :
TR-04-062918

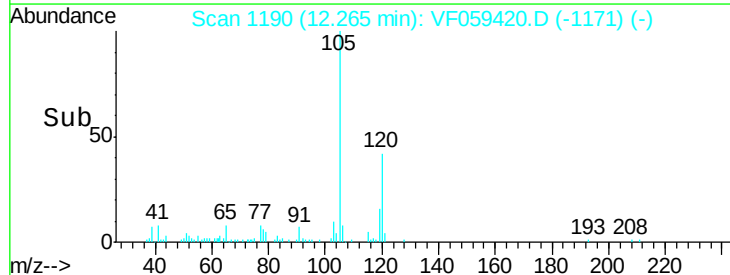
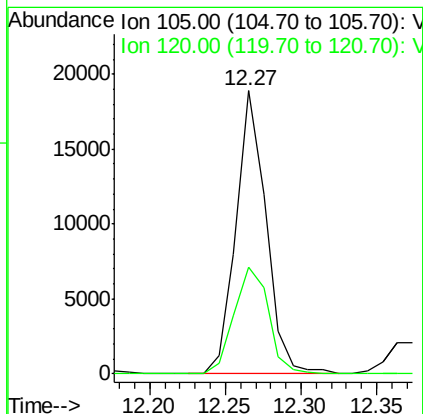
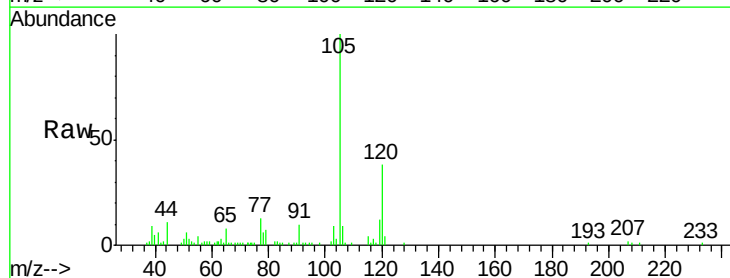
Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	27.1	81.3
150	156.9	0.0	305.2

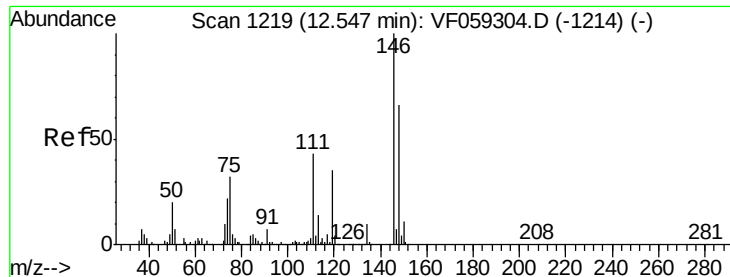


#84

1,2,4-Trimethylbenzene
Concen: 3.332 ug/l
RT: 12.27 min Scan# 1190
Delta R.T. -0.02 min
Lab File: VF059420.D
Acq: 3 Jul 2018 18:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	37.9	22.8	68.4

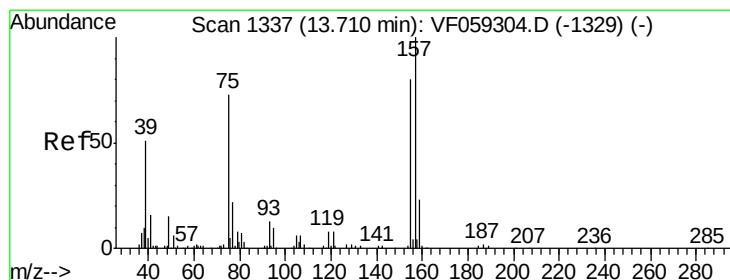
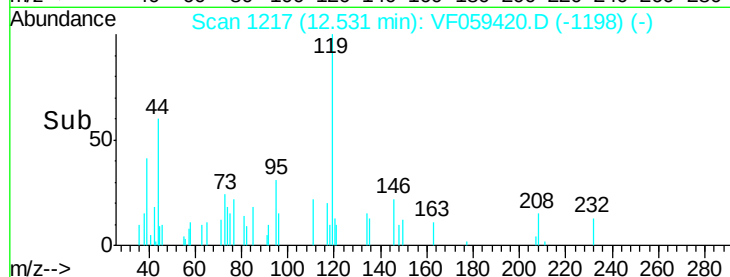
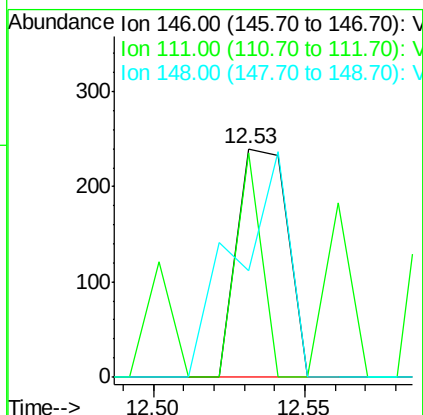
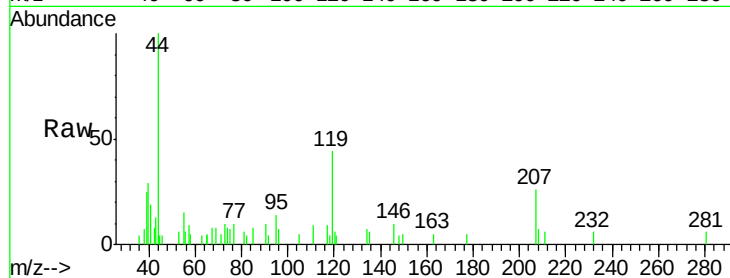




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VF059420.D
 Acq: 3 Jul 2018 18:58

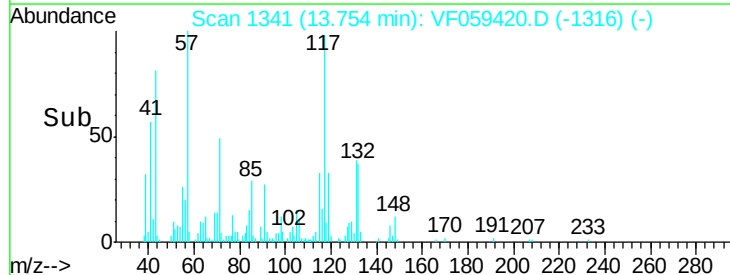
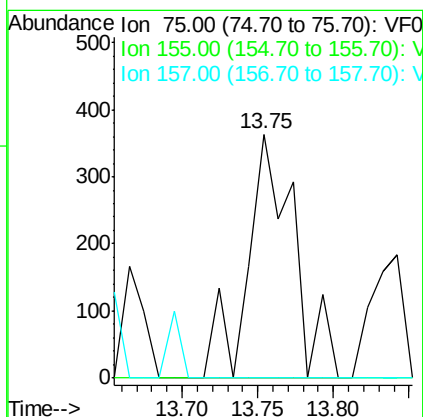
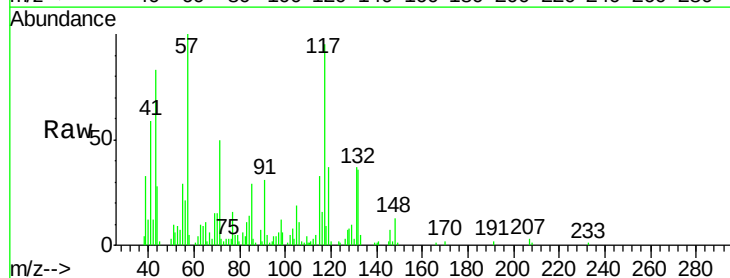
Instrument :
 MSVOA_F
 ClientSampled :
 TR-04-062918

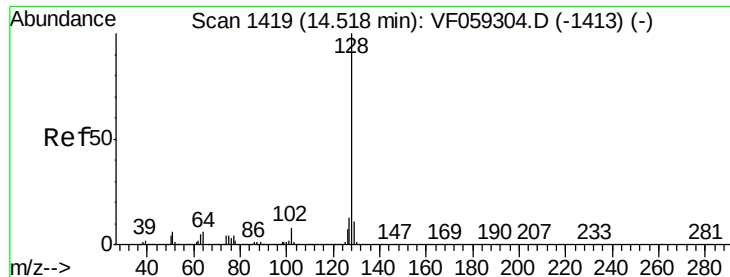
Tgt Ion:146 Resp: 280
 Ion Ratio Lower Upper
 146 100
 111 97.9 21.4 64.2#
 148 46.7 32.8 98.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.644 ug/l
 RT: 13.75 min Scan# 1341
 Delta R.T. 0.04 min
 Lab File: VF059420.D
 Acq: 3 Jul 2018 18:58

Tgt Ion: 75 Resp: 780
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.6 163.8#
 157 0.0 68.7 205.9#





#95

Naphthalene

Concen: 1.388 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VF059420.D

Acq: 3 Jul 2018 18:58

Instrument :

MSVOA_F

ClientSampleId :

TR-04-062918

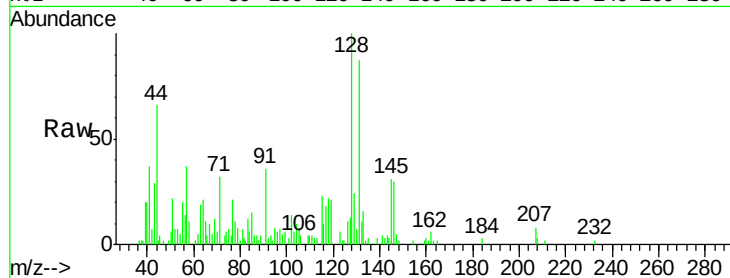
Tgt Ion:128 Resp: 9166

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

129 23.8 8.8 13.2



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

