

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059602.D
 Acq On : 21 Jul 2018 1:06
 Operator : VA/AP
 Sample : J4057-05
 Misc : 5.05µ/5mL/MSVOA F/SOIL
 ALS Vial : 97 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 21 03:58:43 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

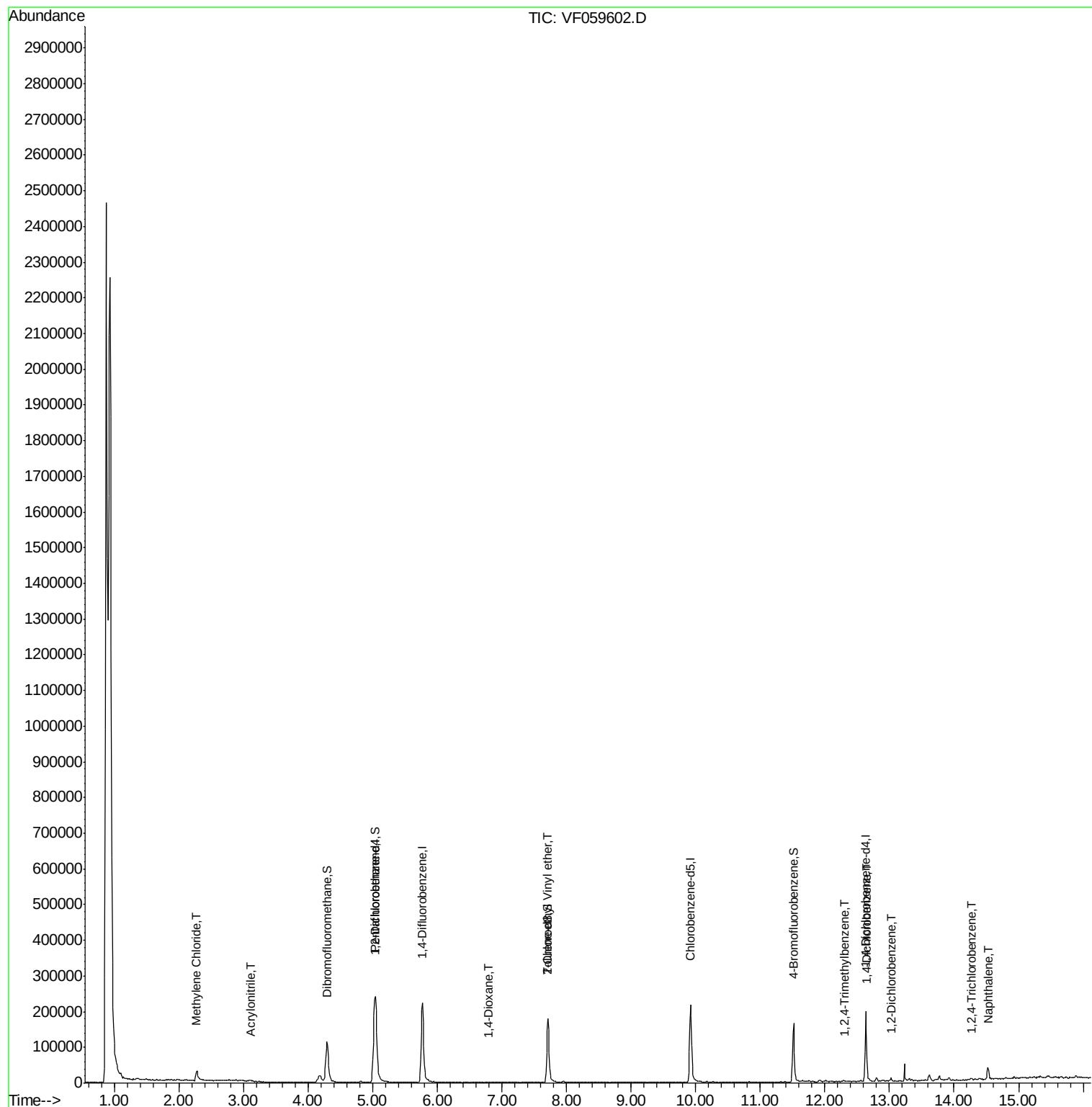
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	172415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	229290	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	157947	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	48979	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	108155	40.33	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	80.66%	
35) Dibromofluoromethane	4.29	113	107109	53.94	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	107.88%	
50) Toluene-d8	7.71	98	149888	29.96	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	59.92%	
62) 4-Bromofluorobenzene	11.52	95	60210	22.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	45.88%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.69	59	410	Below Cal	#	74
13) Acrolein	2.06	56	127	Below Cal	#	12
15) Acrylonitrile	3.10	53	253	1.125 ug/l	#	11
16) Acetone	2.34	43	2863	Below Cal	#	64
18) Methyl Acetate	2.45	43	1746	Below Cal	#	67
20) Methylene Chloride	2.27	84	11036	4.997 ug/l	#	83
29) Tetrahydrofuran	4.30	42	276	Below Cal	#	38
37) Ethyl Acetate	4.31	43	228	Below Cal	#	41
49) 1,4-Dioxane	6.79	88	101	2.322 ug/l	#	66
58) 2-Chloroethyl Vinyl ether	7.71	63	334	2.438 ug/l		100
84) 1,2,4-Trimethylbenzene	12.29	105	2928	1.099 ug/l		70
88) 1,4-Dichlorobenzene	12.65	146	3877	2.647 ug/l		77
91) 1,2-Dichlorobenzene	13.03	146	3288	2.313 ug/l		85
93) 1,2,4-Trichlorobenzene	14.27	180	1418	1.642 ug/l	#	84
95) Naphthalene	14.52	128	20063	11.182 ug/l		96

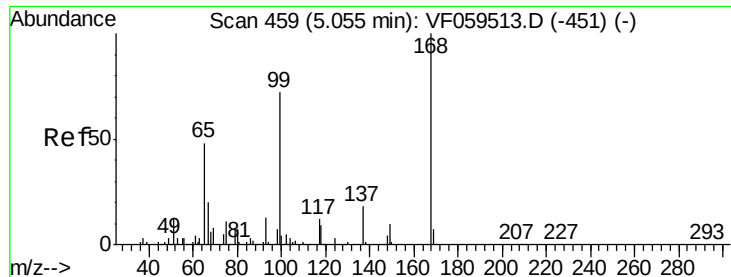
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072018\
Data File : VF059602.D
Acq On : 21 Jul 2018 1:06
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Misc : 5.05a/5mL/MSVOA F/SOIL
ALS Vial : 97 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 21 03:58:43 2018
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: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

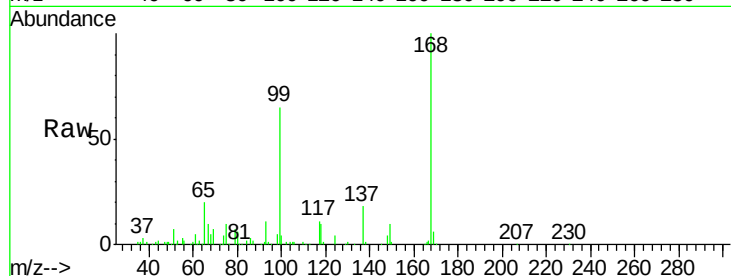
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 172415

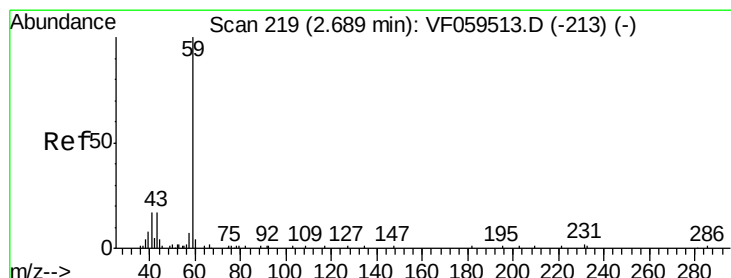
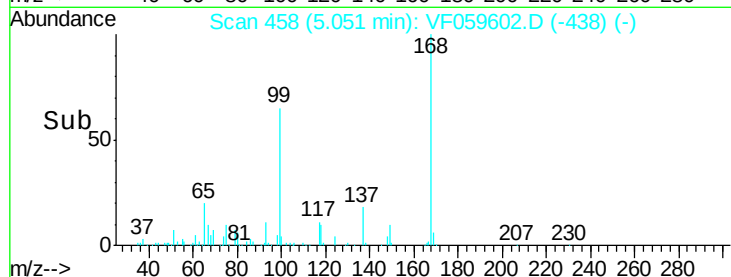
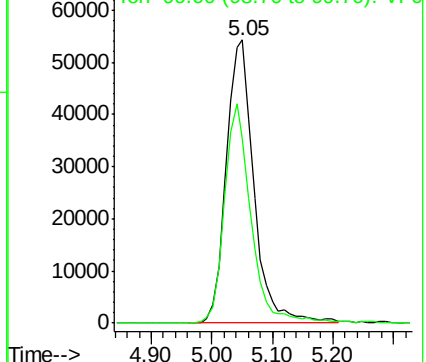
Ion Ratio Lower Upper

168 100

99 65.2 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.69 min Scan# 219

Delta R.T. 0.01 min

Lab File: VF059602.D

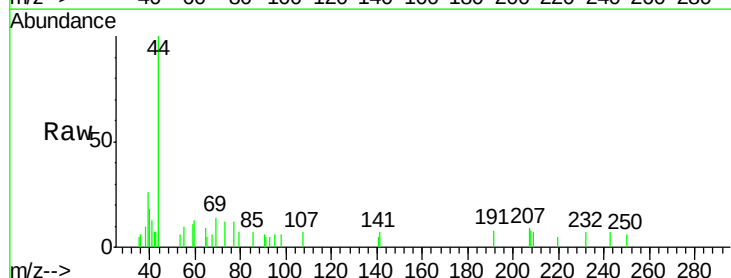
Acq: 21 Jul 2018 1:06

Tgt Ion: 59 Resp: 410

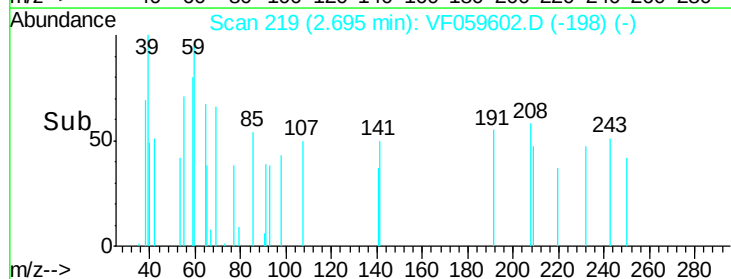
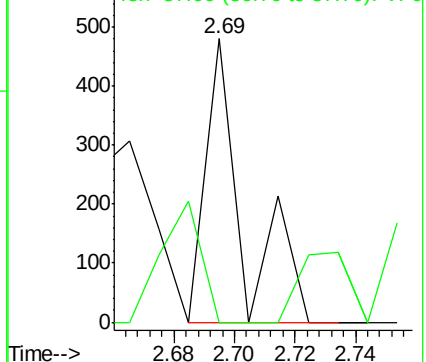
Ion Ratio Lower Upper

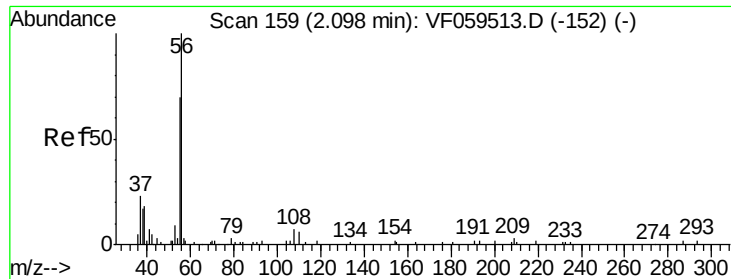
59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

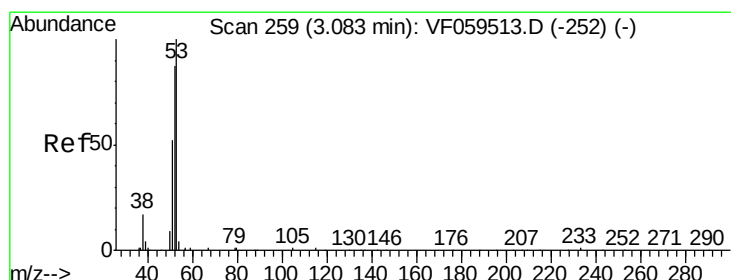
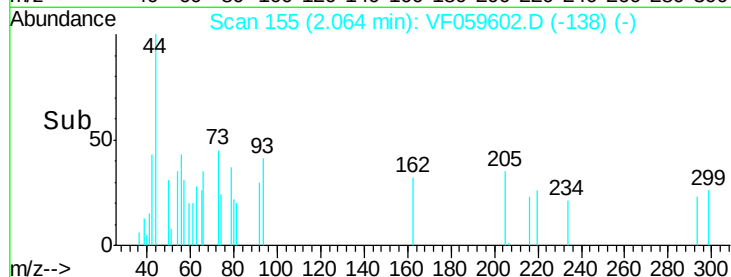
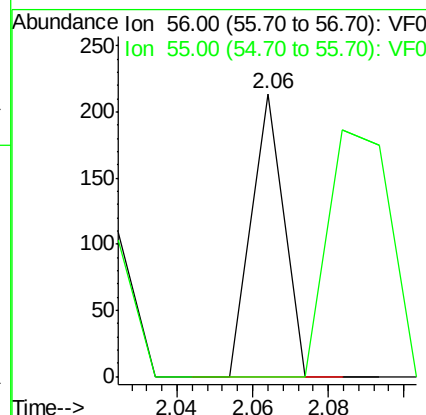
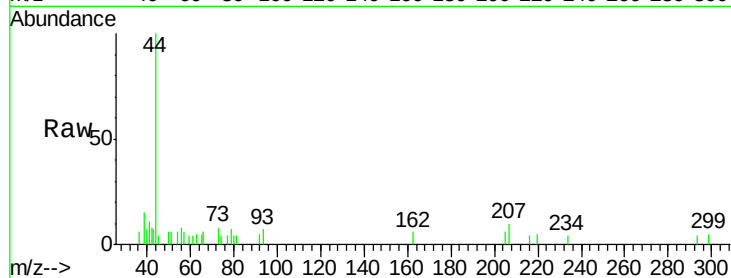




#13
Acrolein
Concen: Below Cal
RT: 2.06 min Scan# 155
Delta R.T. -0.03 min
Lab File: VF059602.D
Acq: 21 Jul 2018 1:06

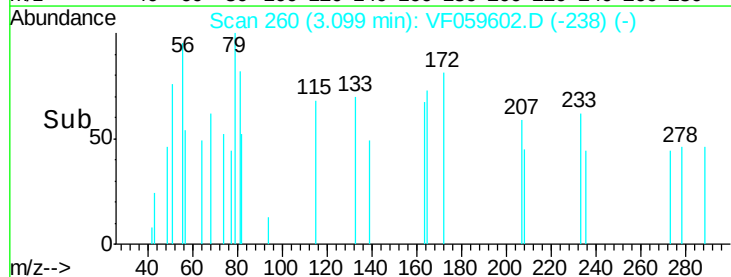
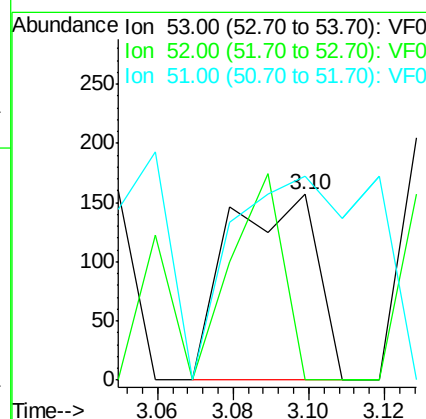
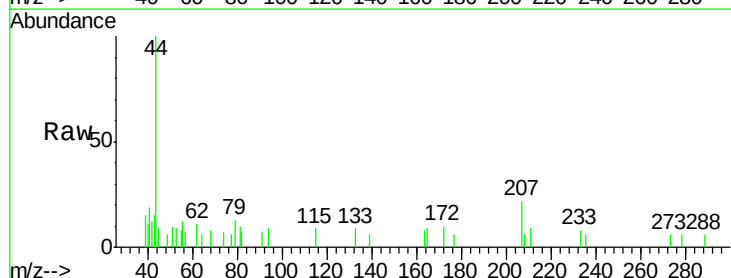
Instrument :
MSVOA_F
ClientSampled :

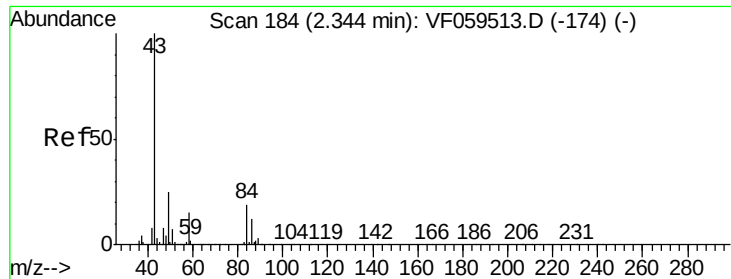
Tot Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 0.0 59.4 89.2#



#15
Acrylonitrile
Concen: 1.125 ug/l
RT: 3.10 min Scan# 260
Delta R.T. 0.02 min
Lab File: VF059602.D
Acq: 21 Jul 2018 1:06

Tgt Ion: 53 Resp: 253
Ion Ratio Lower Upper
53 100
52 0.0 70.1 105.1#
51 109.6 42.5 63.7#

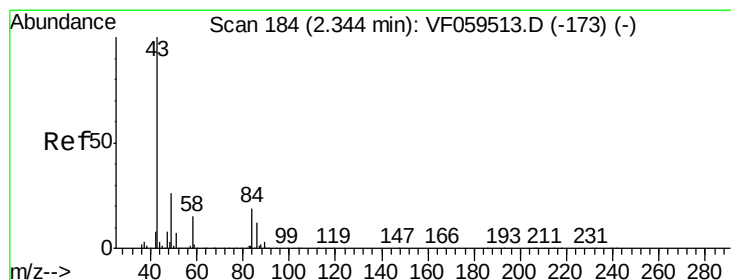
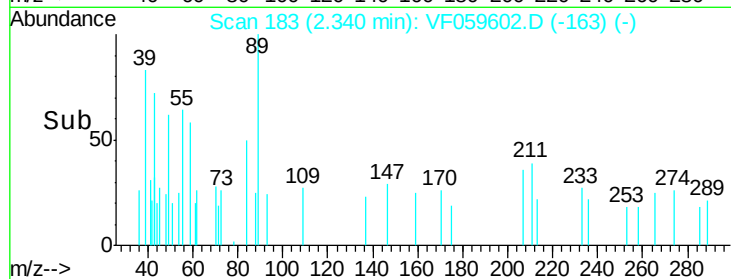
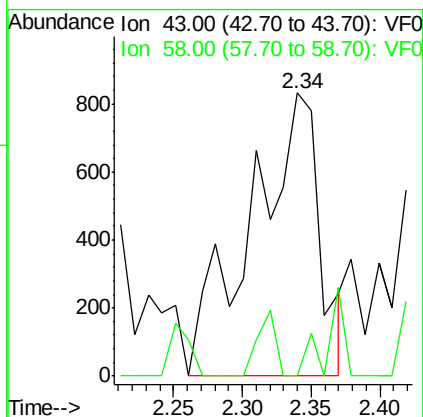
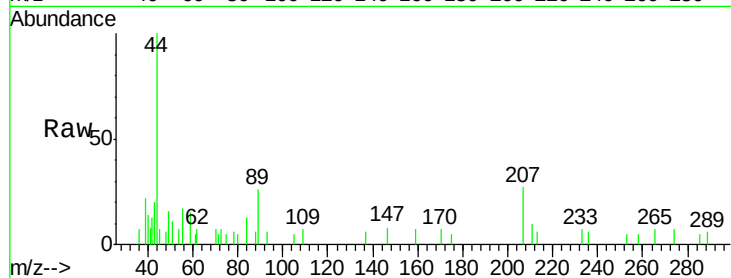




#16
Acetone
Concen: Below Cal
RT: 2.34 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF059602.D
Acq: 21 Jul 2018 1:06

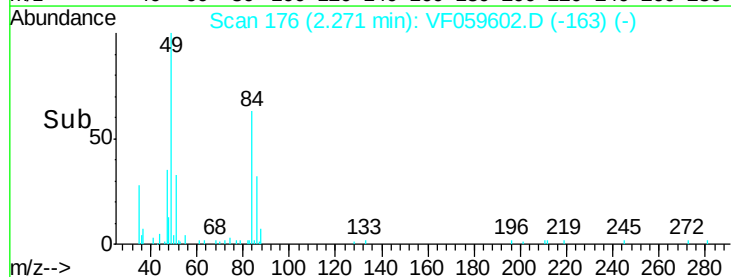
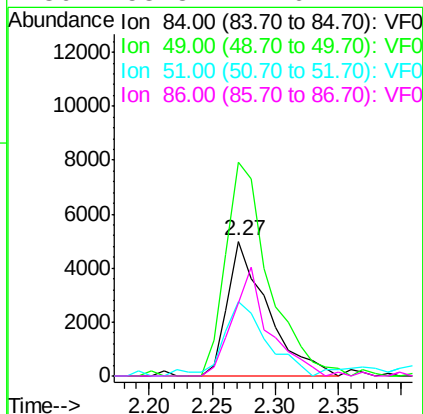
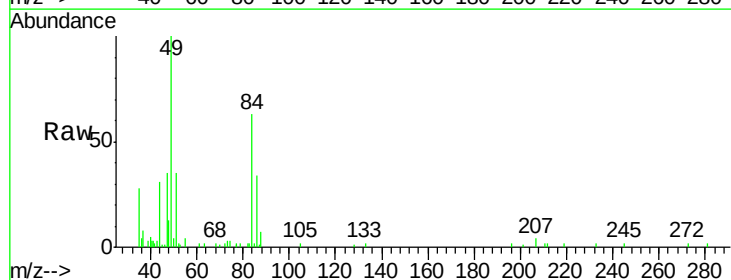
Instrument :
MSVOA_F
ClientSampleId :

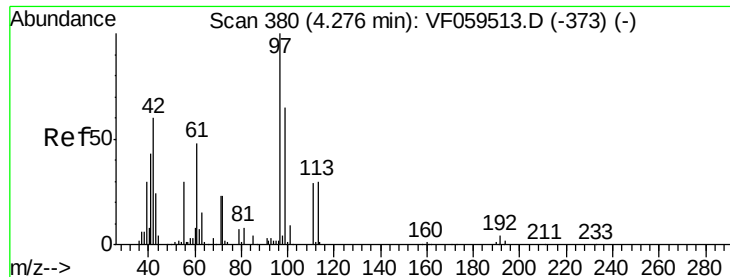
Tot Ion: 43 Resp: 2863
Ion Ratio Lower Upper
43 100
58 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: 4.997 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.07 min
Lab File: VF059602.D
Acq: 21 Jul 2018 1:06

Tgt Ion: 84 Resp: 11036
Ion Ratio Lower Upper
84 100
49 158.3 109.4 164.2
51 54.8 30.5 45.7#
86 53.8 47.6 71.4





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.30 min Scan# 382

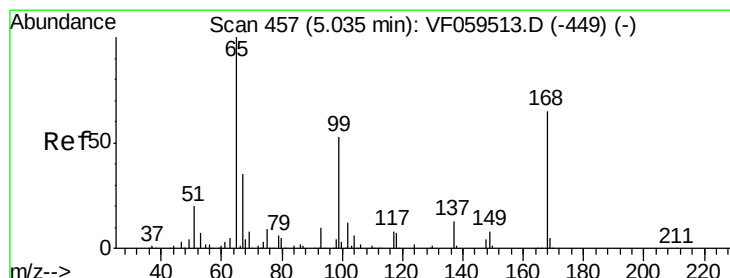
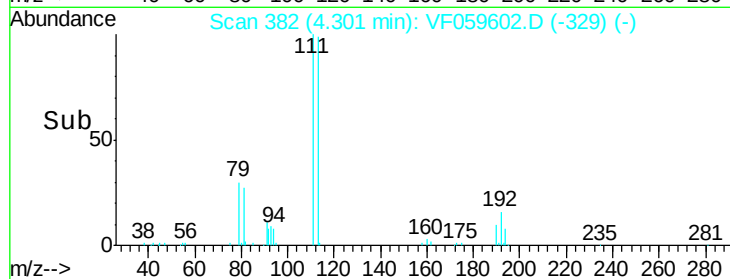
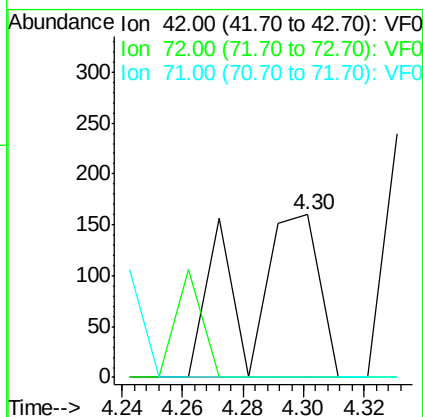
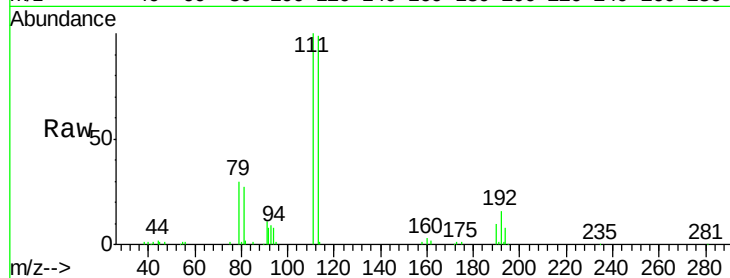
Delta R.T. 0.03 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	276
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.7	43.1#
71	0.0	30.8	46.2#



#33

1,2-Dichloroethane-d4

Concen: 40.334 ug/l

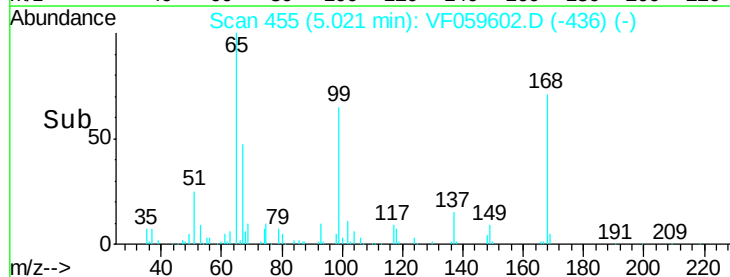
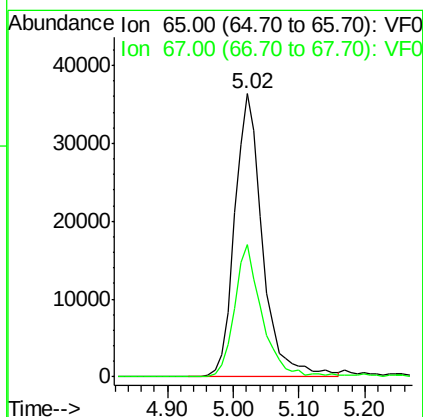
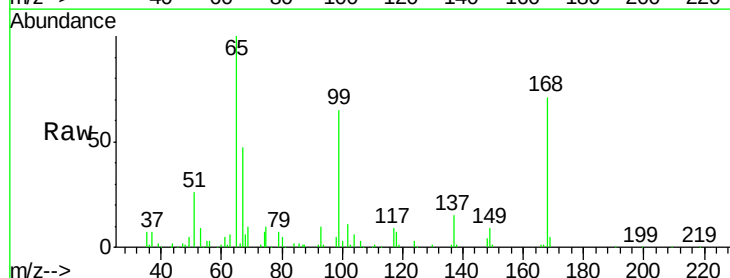
RT: 5.02 min Scan# 455

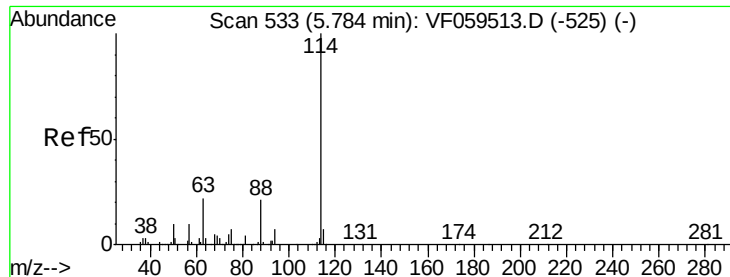
Delta R.T. -0.01 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

Tgt Ion:	65	Resp:	108155
Ion	Ratio	Lower	Upper
65	100		
67	46.6	0.0	91.2

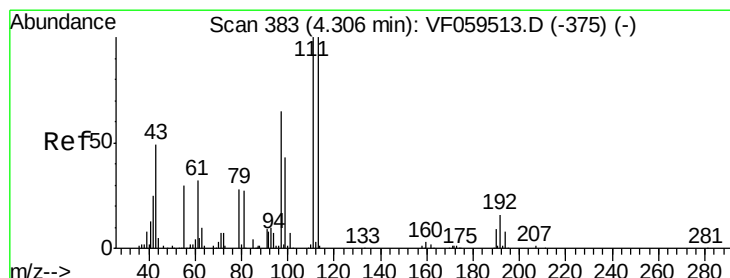
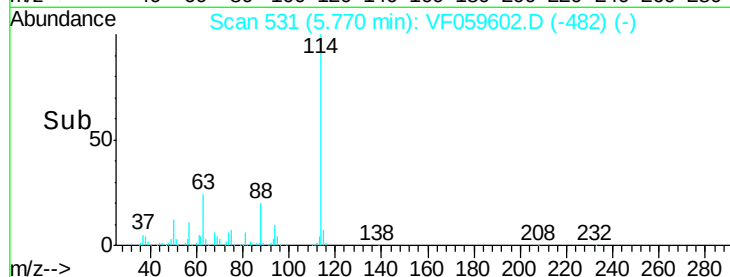
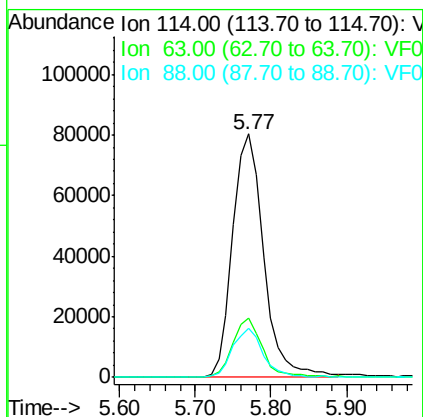
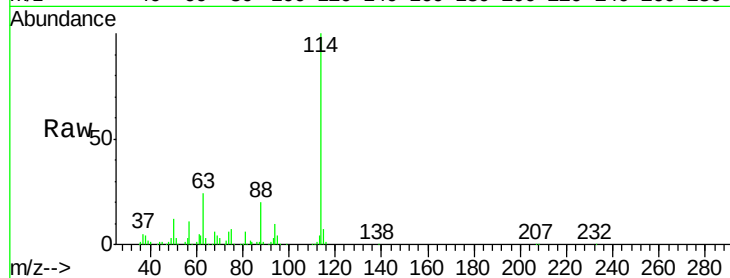




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.77 min Scan# 531
Delta R.T. -0.01 min
Lab File: VF059602.D
Acq: 21 Jul 2018 1:06

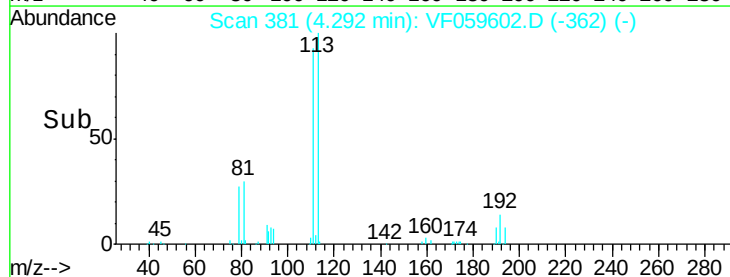
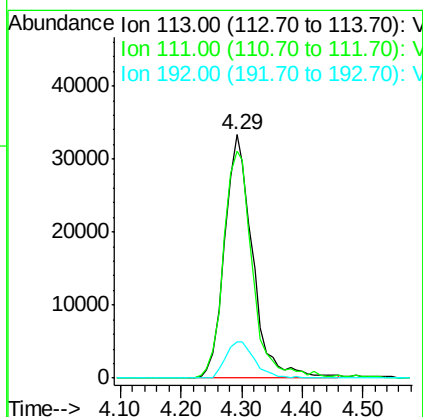
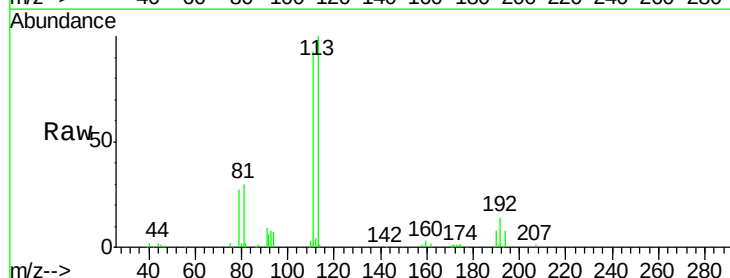
Instrument :
MSVOA_F
ClientSampleId :

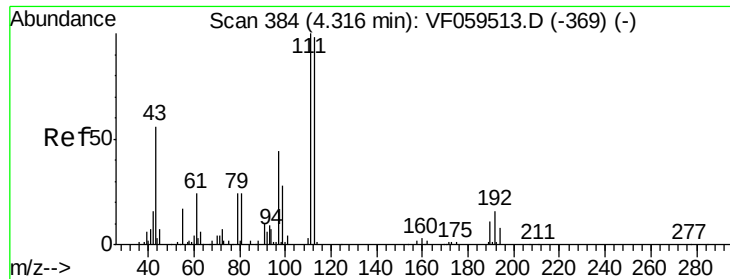
Tot Ion:114 Resp: 229290
Ion Ratio Lower Upper
114 100
63 24.3 0.0 44.8
88 20.2 0.0 42.6



#35
Dibromofluoromethane
Concen: 53.937 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059602.D
Acq: 21 Jul 2018 1:06

Tgt Ion:113 Resp: 107109
Ion Ratio Lower Upper
113 100
111 93.3 80.3 120.5
192 14.8 13.1 19.7

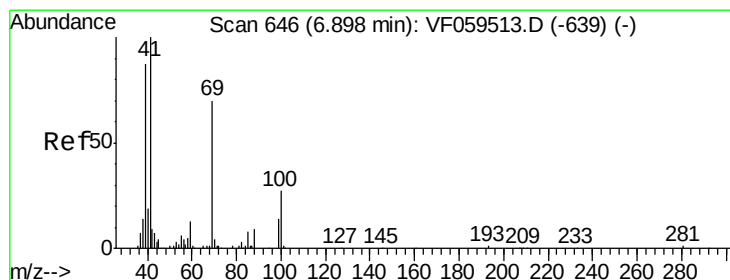
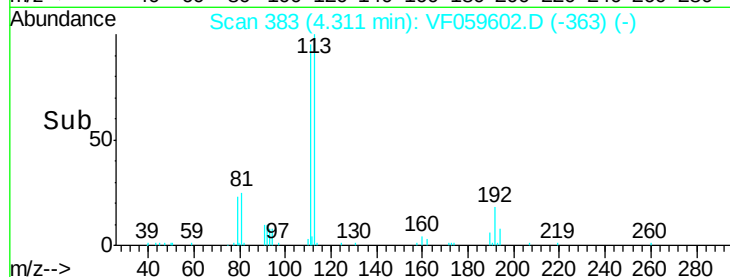
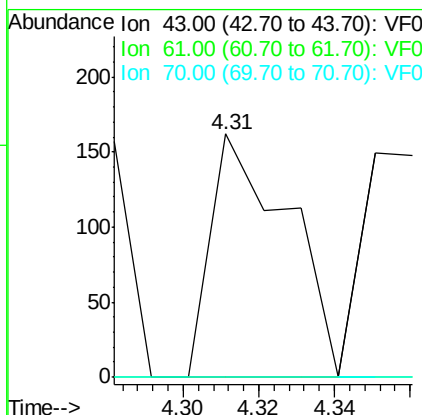
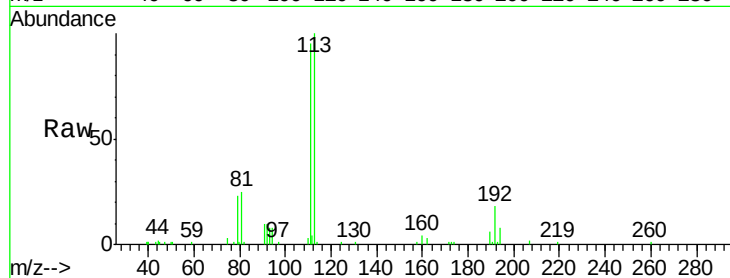




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF059602.D
Acq: 21 Jul 2018 1:06

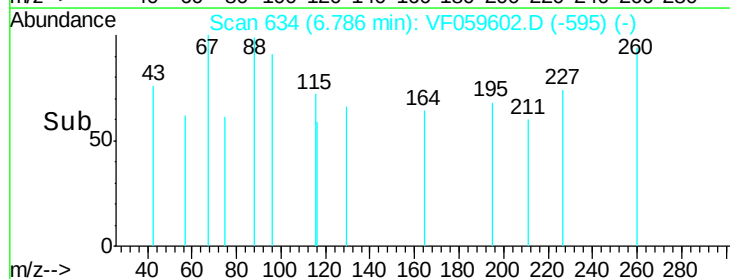
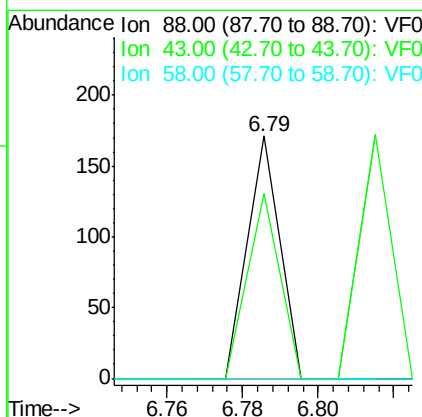
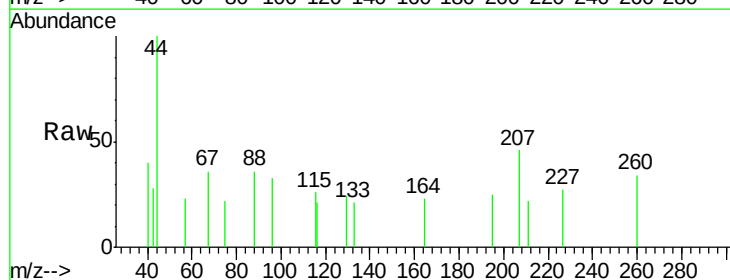
Instrument :
MSVOA_F
ClientSampled :

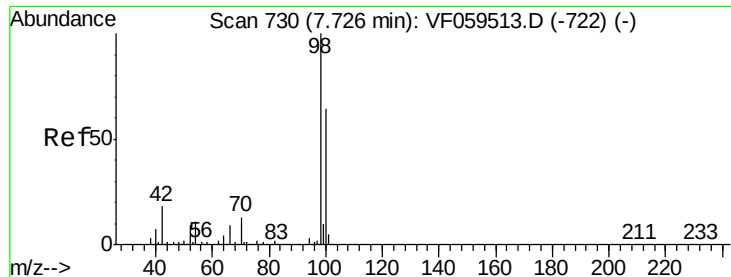
Tot Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
61 0.0 33.7 50.5#
70 0.0 7.4 11.0#



#49
1,4-Dioxane
Concen: 2.322 ug/l
RT: 6.79 min Scan# 634
Delta R.T. -0.11 min
Lab File: VF059602.D
Acq: 21 Jul 2018 1:06

Tgt Ion: 88 Resp: 101
Ion Ratio Lower Upper
88 100
43 76.6 64.8 97.2
58 0.0 44.1 66.1#

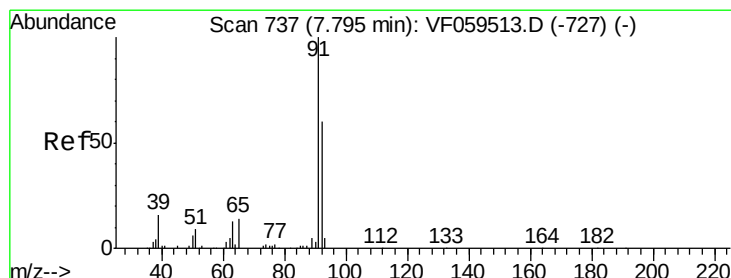
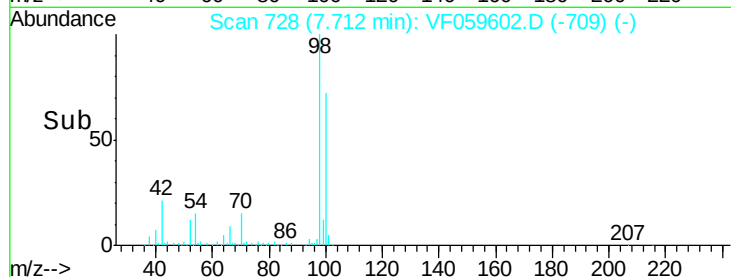
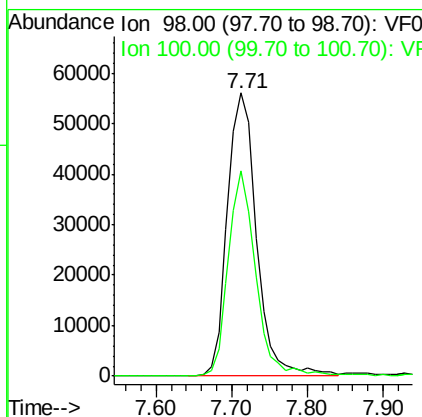
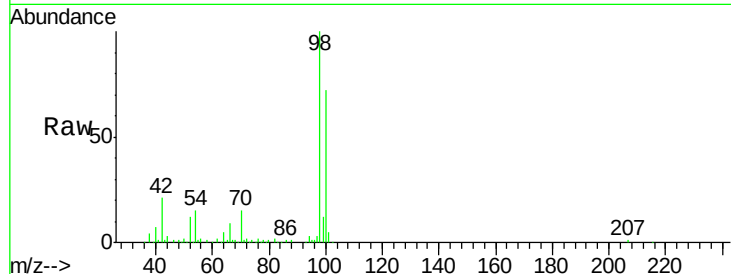




#50
Toluene-d8
Concen: 29.964 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF059602.D
Acq: 21 Jul 2018 1:06

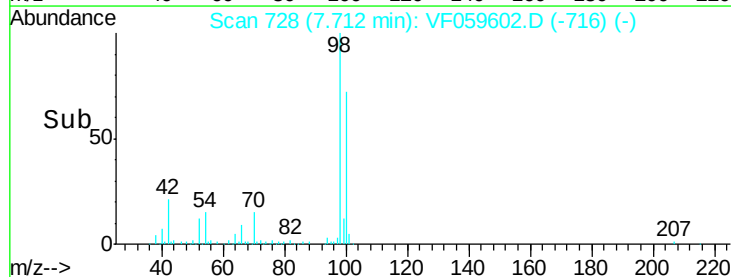
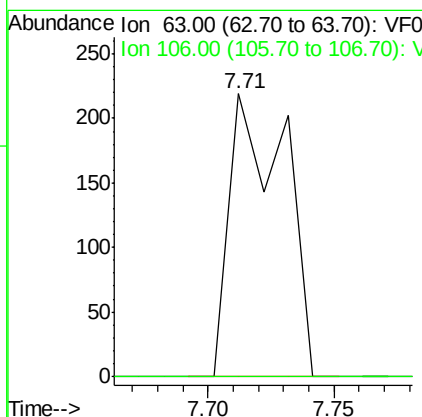
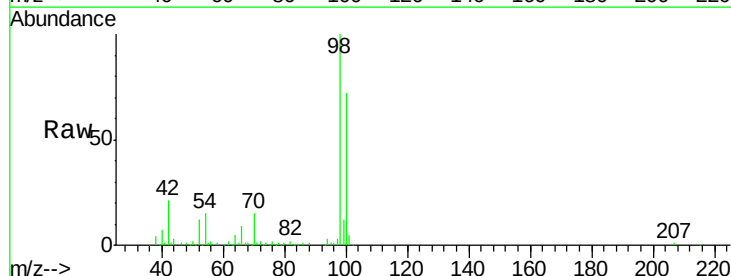
Instrument :
MSVOA_F
ClientSampled :

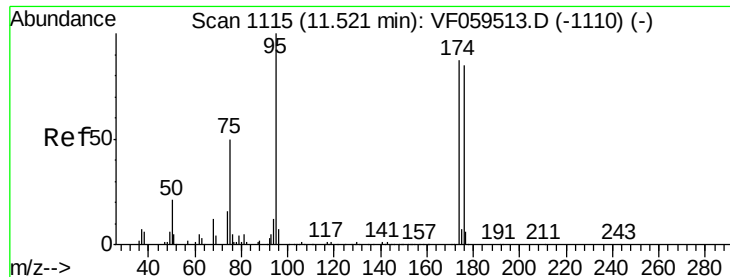
Tot Ion: 98 Resp: 149888
Ion Ratio Lower Upper
98 100
100 72.4 50.9 76.3



#58
2-Chloroethyl Vinyl ether
Concen: 2.438 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.08 min
Lab File: VF059602.D
Acq: 21 Jul 2018 1:06

Tgt Ion: 63 Resp: 334
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0





#62

4-Bromofluorobenzene

Concen: 22.945 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

Instrument :

MSVOA_F

ClientSampleId :

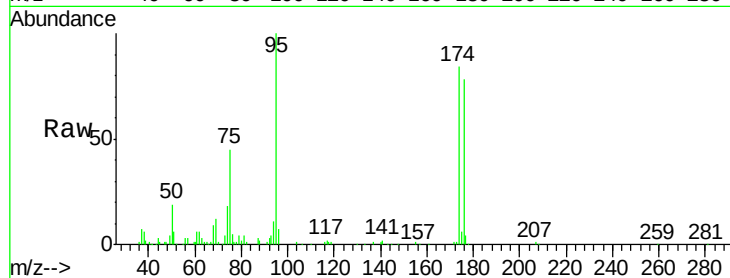
Tot Ion: 95 Resp: 60210

Ion Ratio Lower Upper

95 100

174 84.4 0.0 174.4

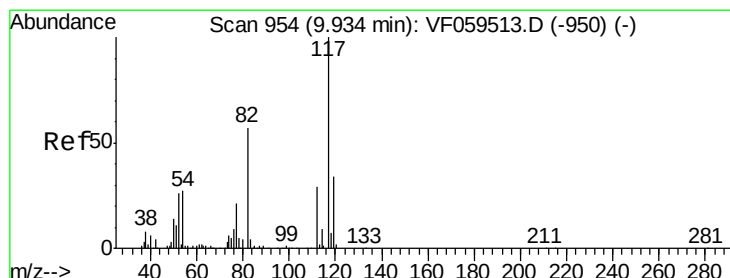
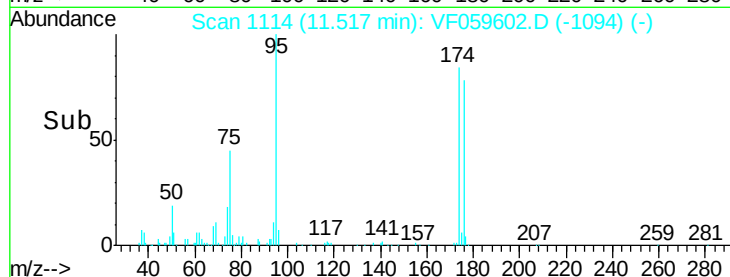
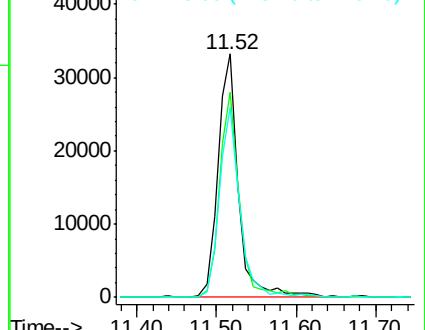
176 77.8 0.0 169.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

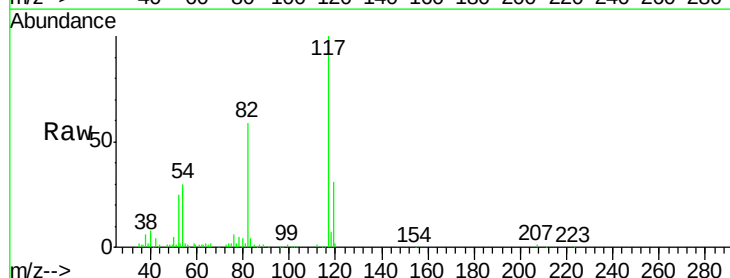
Tgt Ion: 117 Resp: 157947

Ion Ratio Lower Upper

117 100

82 58.8 46.1 69.1

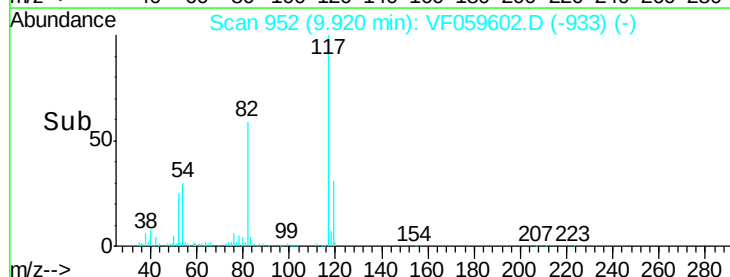
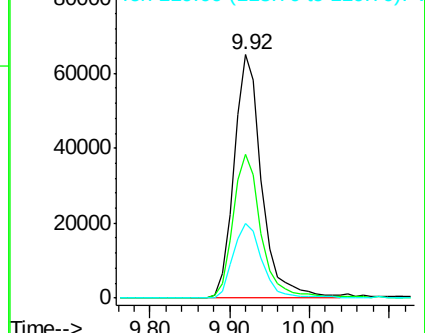
119 30.7 27.2 40.8

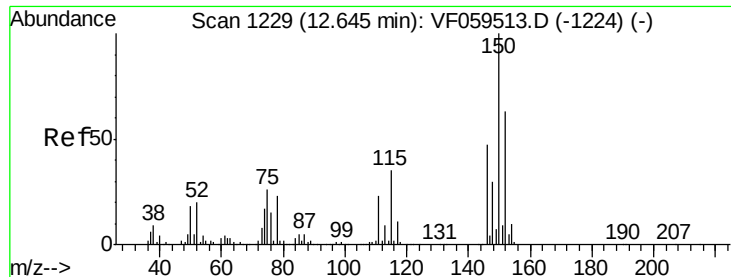


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



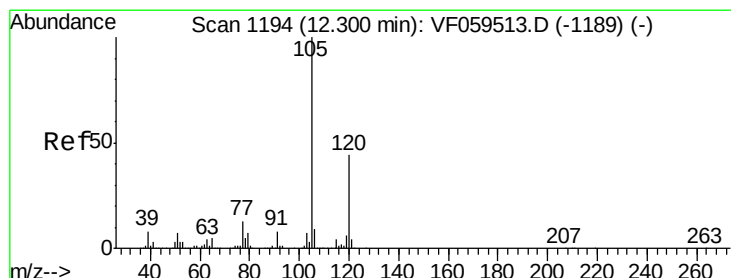
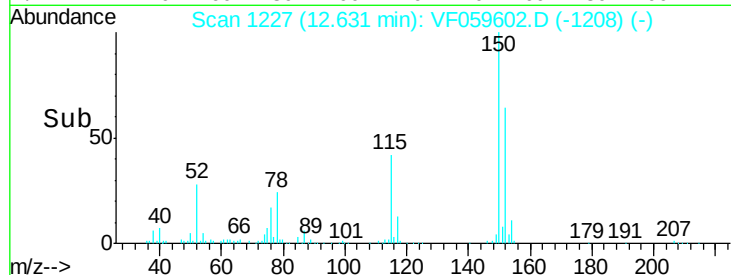
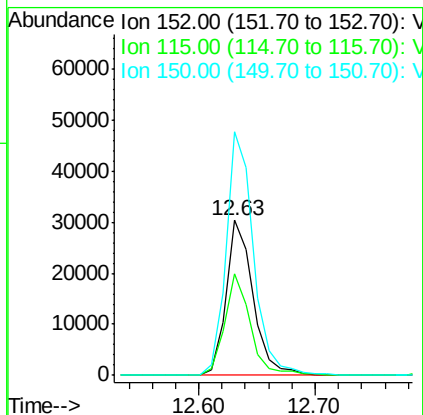
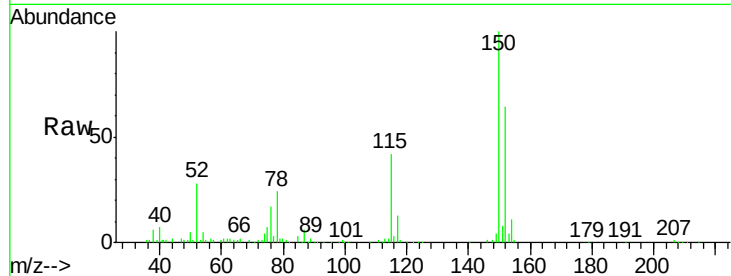


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059602.D
Acq: 21 Jul 2018 1:06

Instrument :
MSVOA_F
ClientSampled :

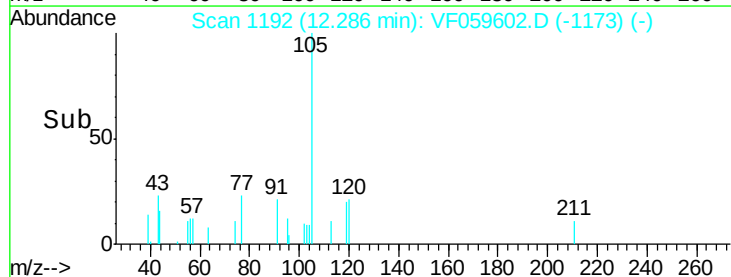
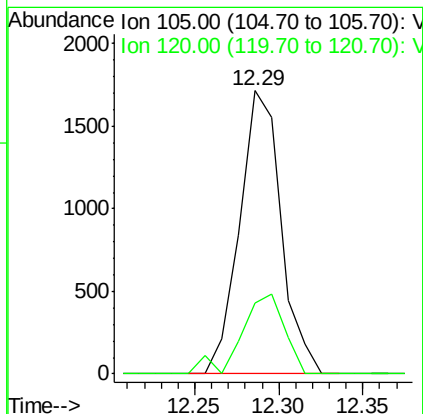
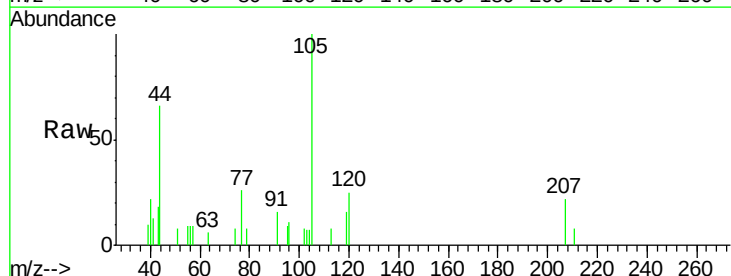
Tot Ion	Ratio	Lower	Upper
152	100		
115	65.4	27.8	83.3
150	157.1	0.0	318.4

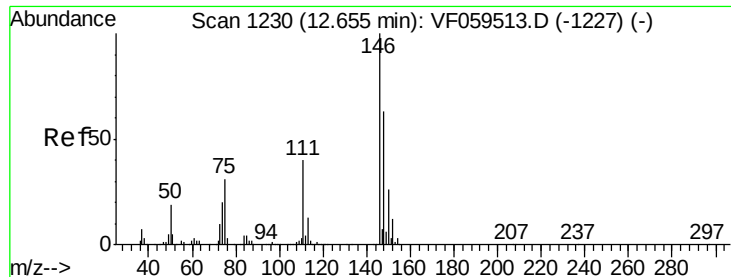


#84

1,2,4-Trimethylbenzene
Concen: 1.099 ug/l
RT: 12.29 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF059602.D
Acq: 21 Jul 2018 1:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	22.5	67.5





#88

1,4-Dichlorobenzene

Concen: 2.647 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF059602.D

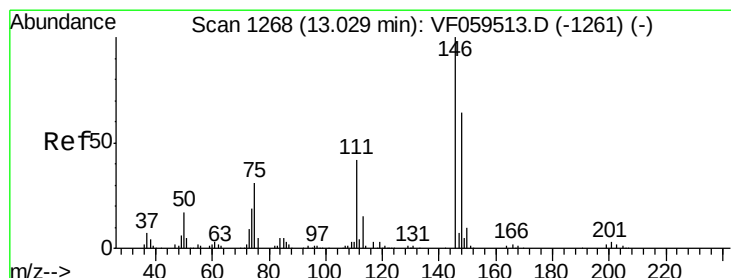
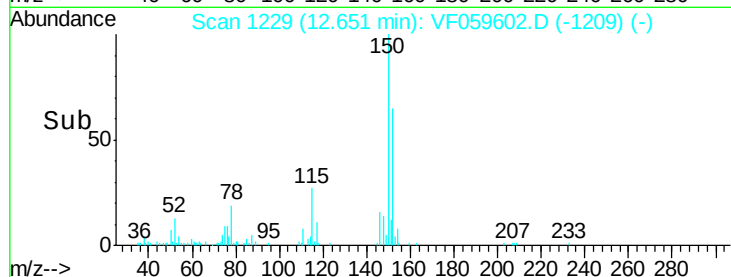
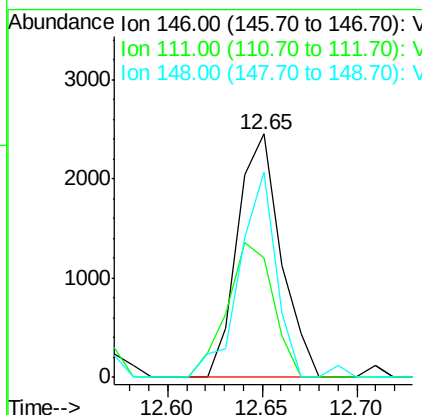
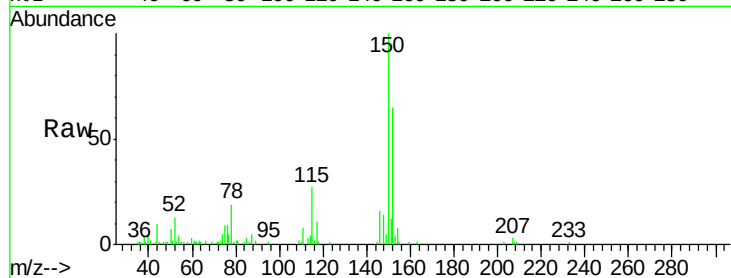
Acq: 21 Jul 2018 1:06

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:146	Resp:	3877
Ion	Ratio	Lower Upper
146	100	
111	49.2	20.0 59.9
148	84.2	31.5 94.5



#91

1,2-Dichlorobenzene

Concen: 2.313 ug/l

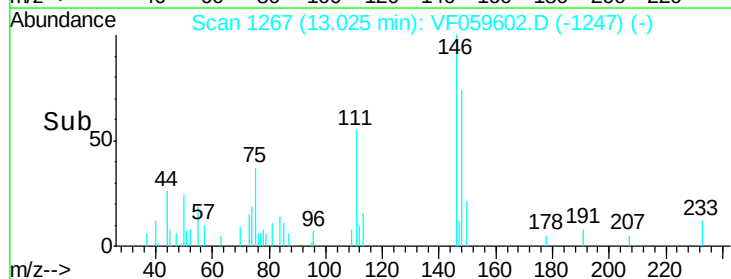
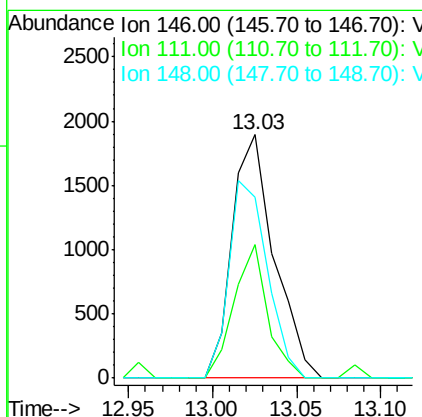
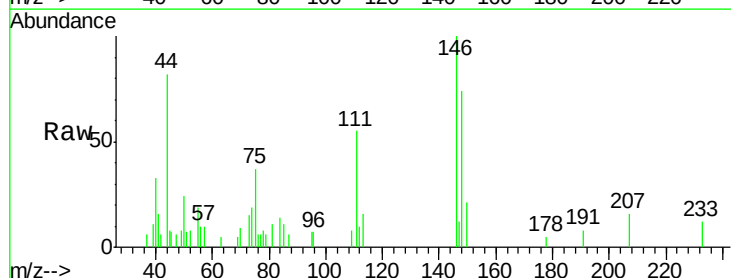
RT: 13.03 min Scan# 1267

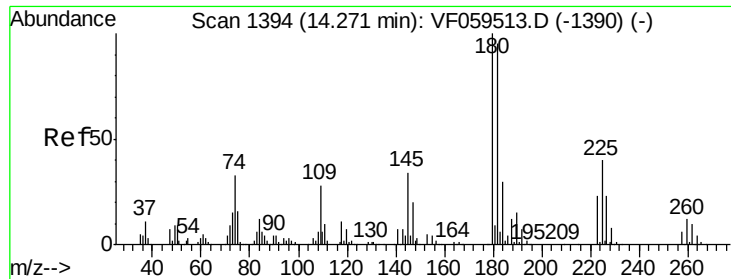
Delta R.T. -0.00 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

Tgt Ion:146	Resp:	3288
Ion	Ratio	Lower Upper
146	100	
111	54.9	21.1 63.1
148	74.1	32.3 96.8

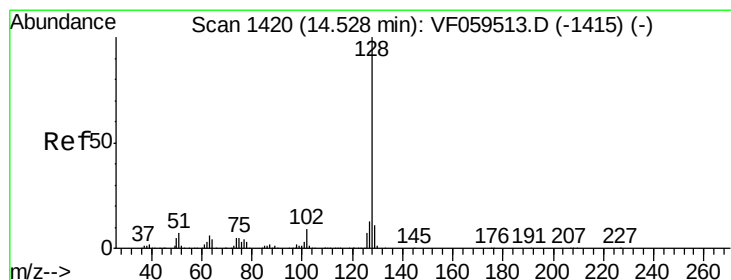
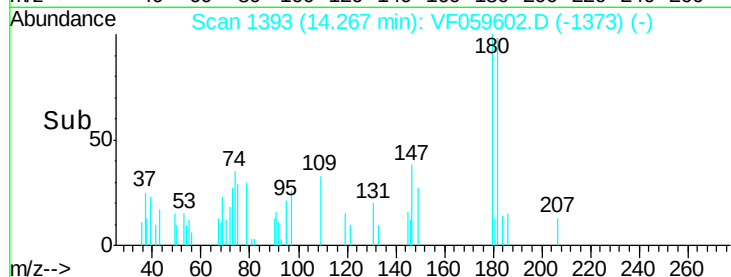
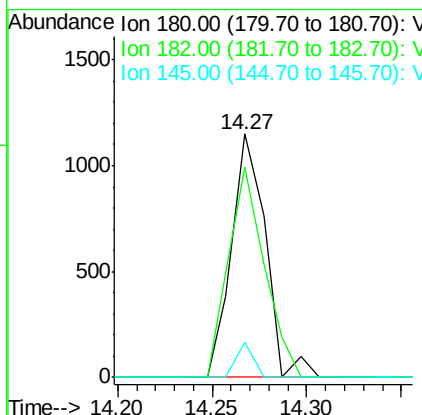
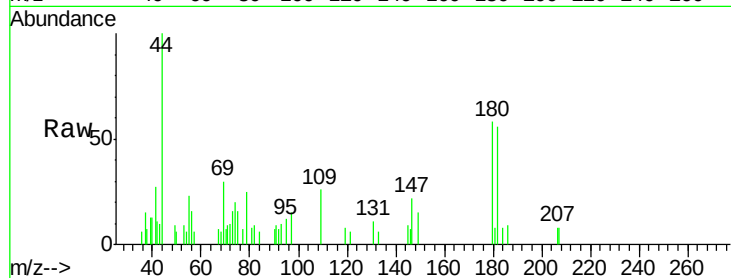




#93
 1,2,4-Trichlorobenzene
 Concen: 1.642 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059602.D
 Acq: 21 Jul 2018 1:06

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 1418
 Ion Ratio Lower Upper
 180 100
 182 86.3 47.5 142.5
 145 14.4 17.3 51.7#



#95
 Naphthalene
 Concen: 11.182 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VF059602.D
 Acq: 21 Jul 2018 1:06

Tgt Ion:128 Resp: 20063
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.2 15.2
 129 12.9 9.0 13.4

