

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061893.D
 Acq On : 11 Mar 2019 16:57
 Operator : VA/AP
 Sample : K1824-11
 Misc : 5.04g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-29

Quant Time: Mar 12 05:12:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	187275	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	278336	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	225916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	118970	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	82009	60.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.26%	
35) Dibromofluoromethane	4.12	113	117140	60.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.62%	
50) Toluene-d8	7.55	98	287932	49.87	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.41	95	119174	52.69	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	105.38%	

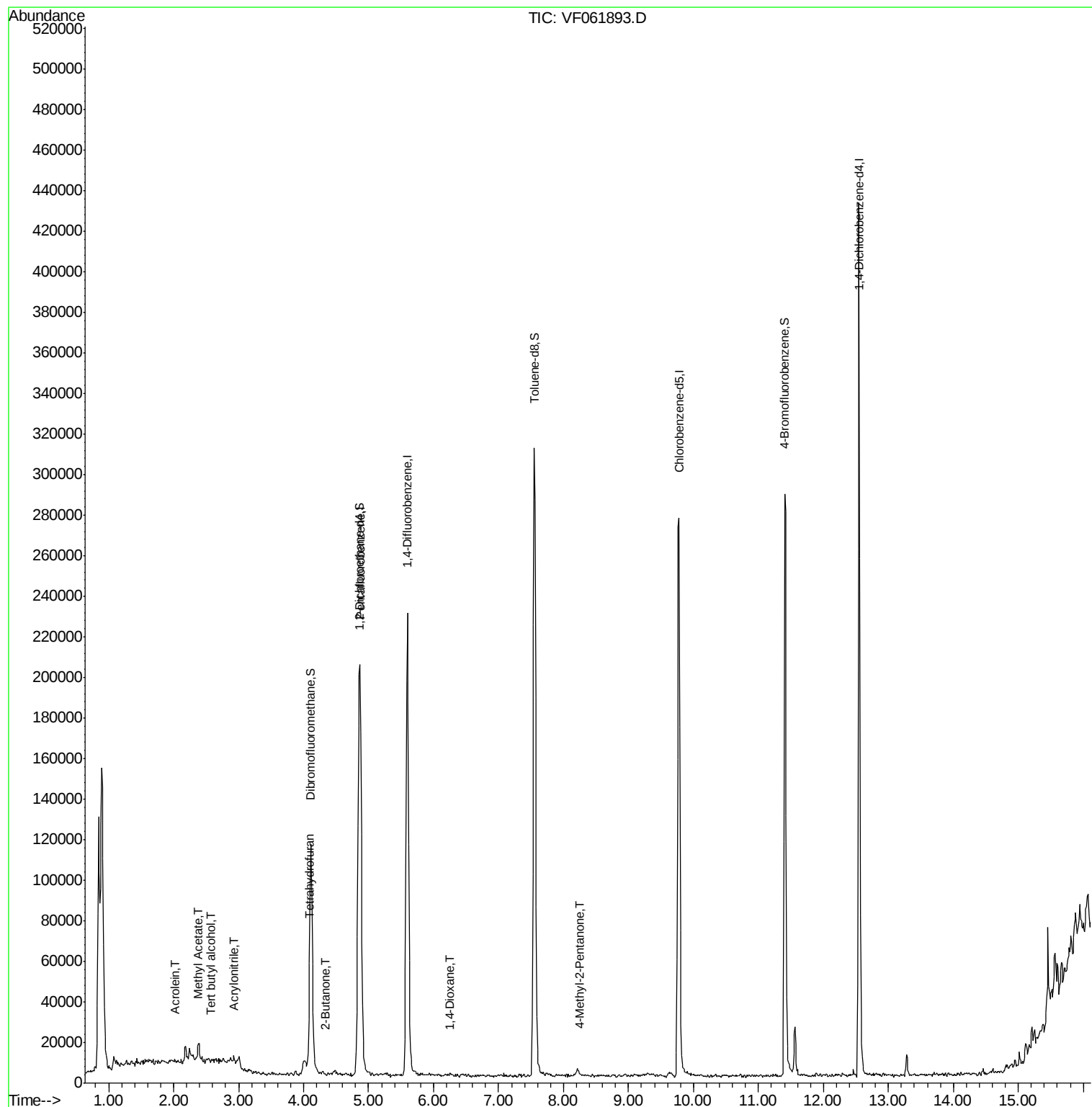
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	211	2.726	ug/l #	1
13) Acrolein	2.01	56	297	3.028	ug/l	97
15) Acrylonitrile	2.92	53	294	1.193	ug/l #	7
18) Methyl Acetate	2.38	43	6682	6.217	ug/l #	62
20) Methylene Chloride	2.19	84	3680	Below Cal	#	86
25) 2-Butanone	4.33	43	814	1.401	ug/l #	56
29) Tetrahydrofuran	4.08	42	624	2.490	ug/l #	33
49) 1,4-Dioxane	6.24	88	63	8.005	ug/l #	1
51) 4-Methyl-2-Pentanone	8.26	43	1120	1.191	ug/l #	35

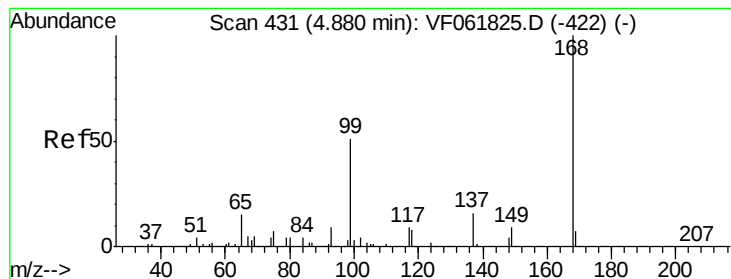
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031119\
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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061893.D

Acq: 11 Mar 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

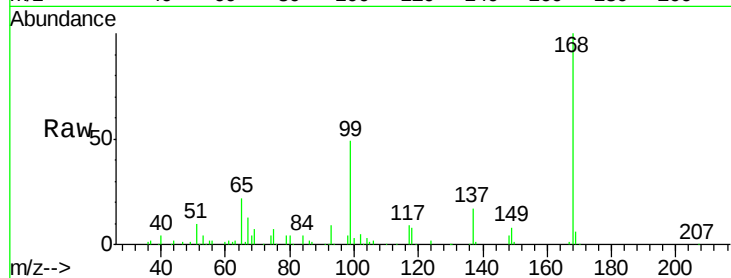
TP-29

Tot Ion:168 Resp: 187275

Ion Ratio Lower Upper

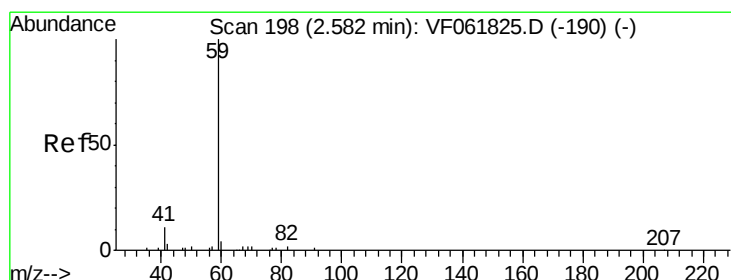
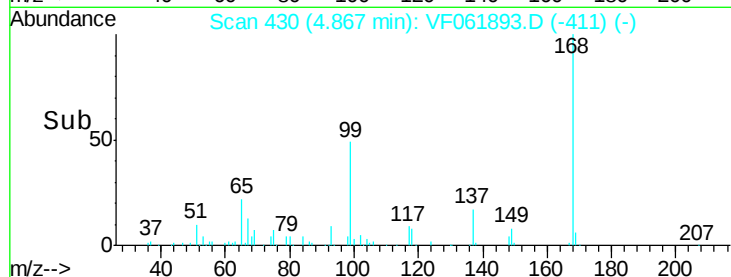
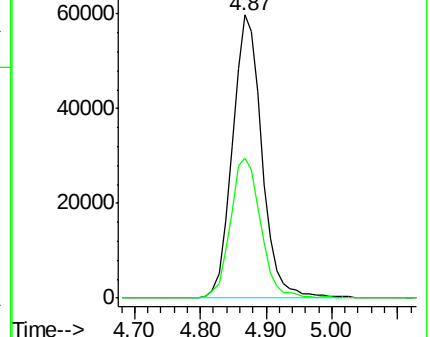
168 100

99 49.5 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 2.726 ug/l

RT: 2.58 min Scan# 198

Delta R.T. -0.00 min

Lab File: VF061893.D

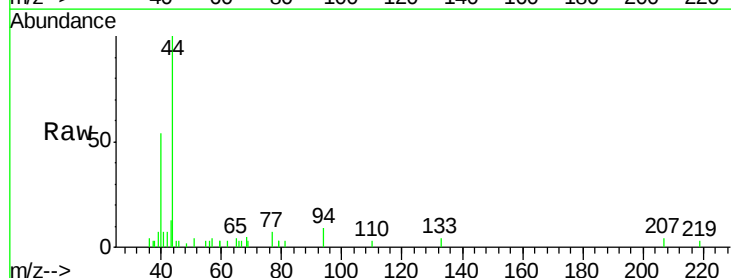
Acq: 11 Mar 2019 16:57

Tgt Ion: 59 Resp: 211

Ion Ratio Lower Upper

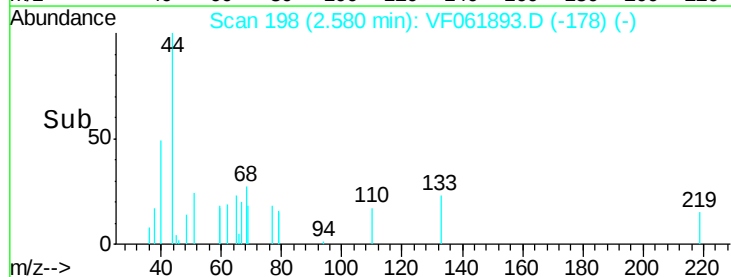
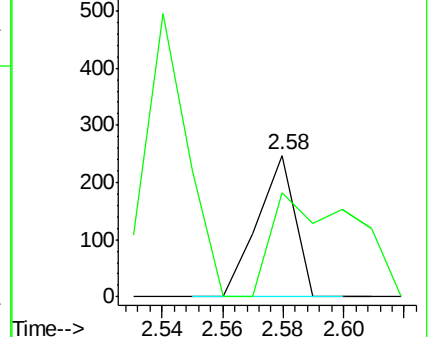
59 100

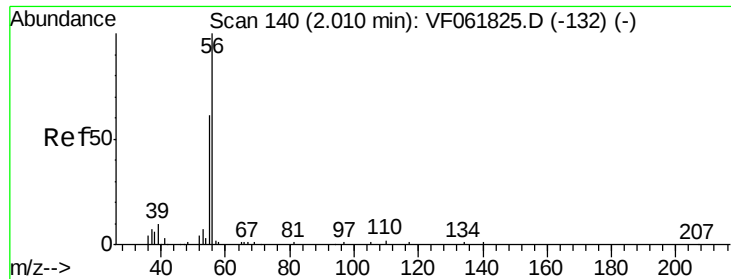
57 73.7 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 3.028 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF061893.D

Acq: 11 Mar 2019 16:57

Instrument :

MSVOA_F

ClientSampled :

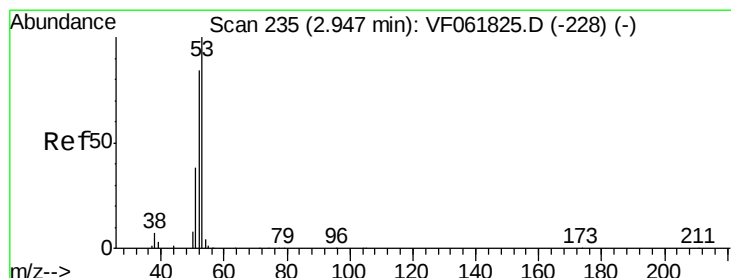
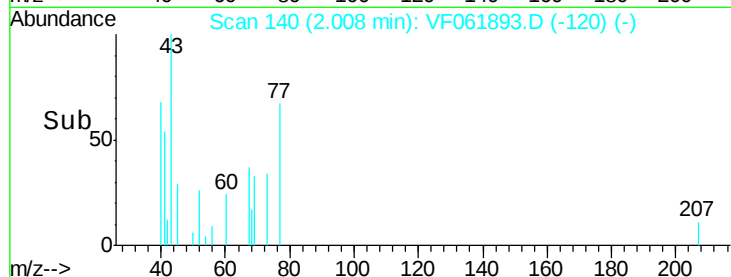
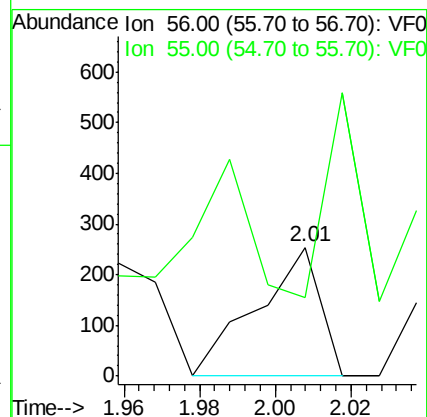
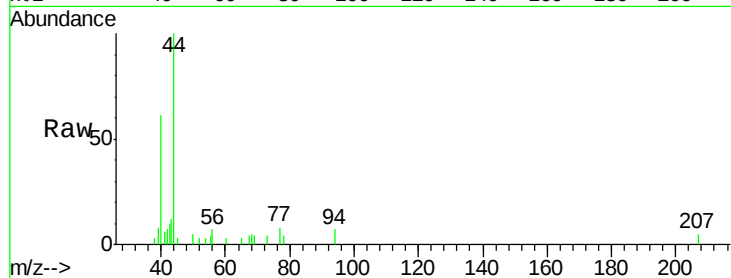
TP-29

Tot Ion: 56 Resp: 297

Ion Ratio Lower Upper

56 100

55 61.4 51.3 76.9



#15

Acrylonitrile

Concen: 1.193 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061893.D

Acq: 11 Mar 2019 16:57

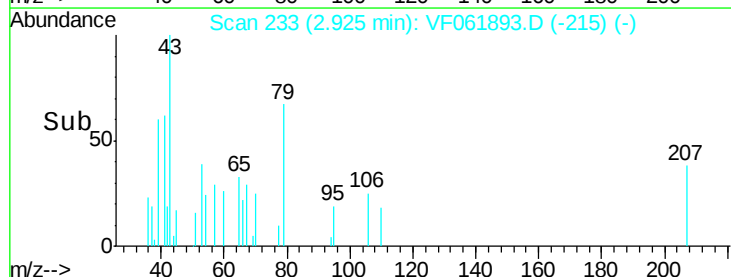
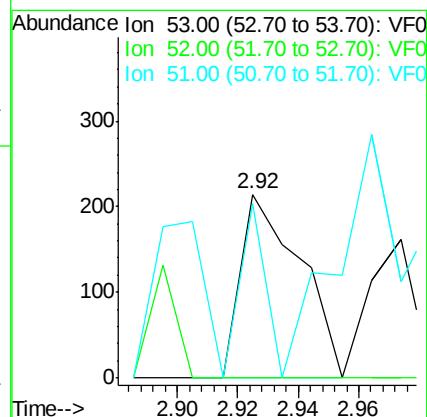
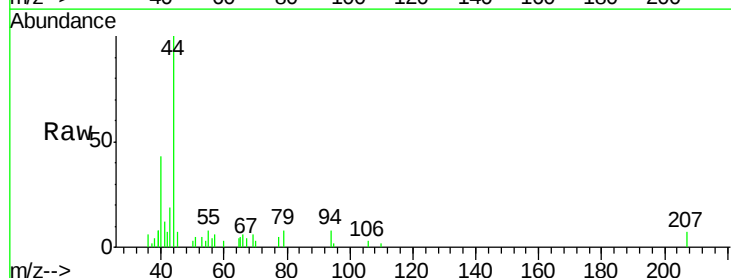
Tgt Ion: 53 Resp: 294

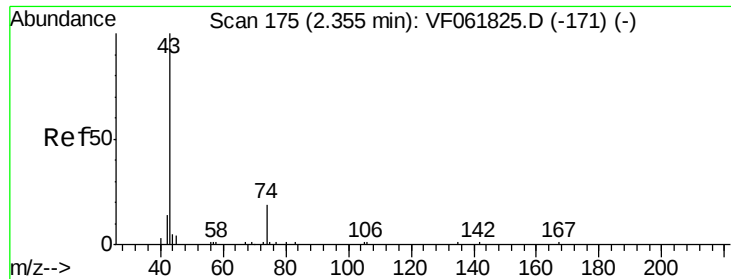
Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 94.9 30.7 46.1#

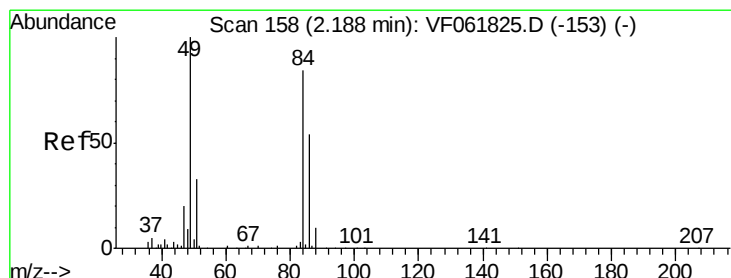
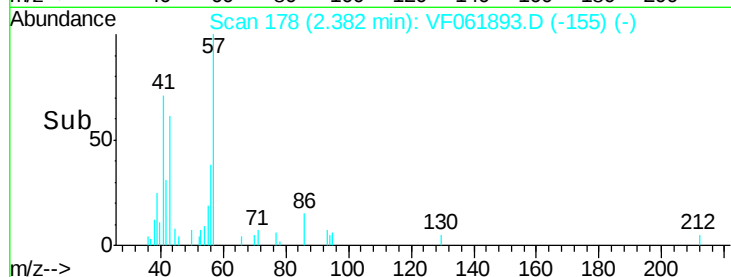
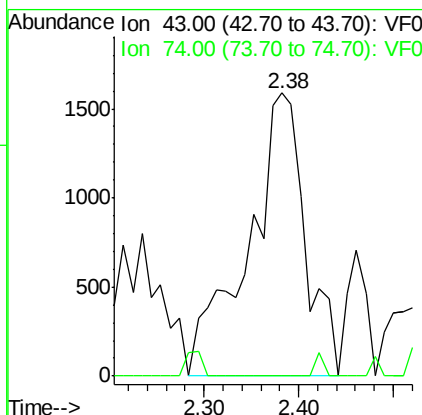
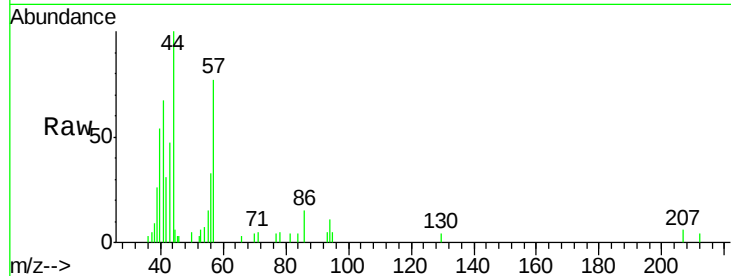




#18
Methyl Acetate
Concen: 6.217 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.03 min
Lab File: VF061893.D
Acq: 11 Mar 2019 16:57

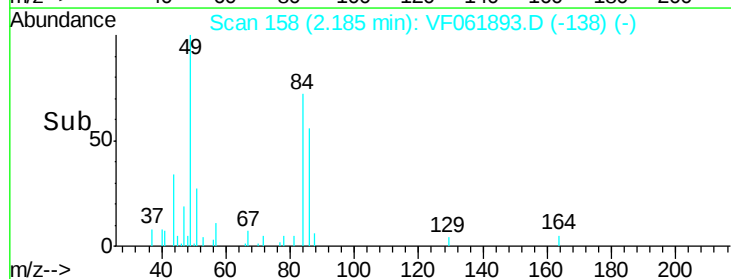
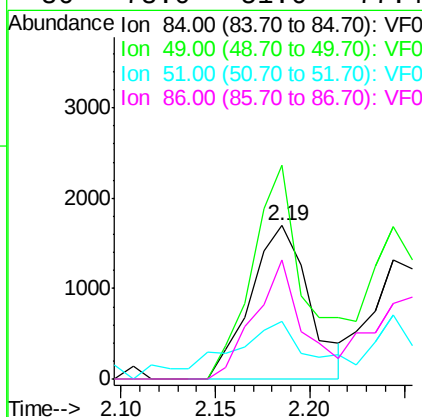
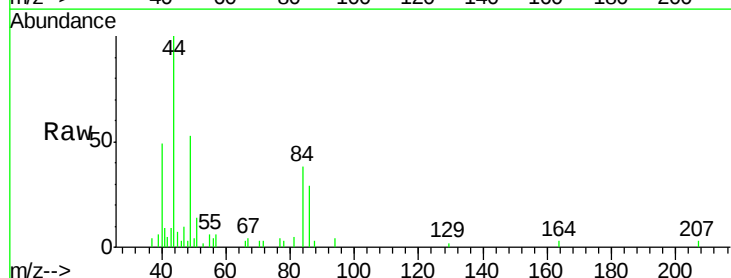
Instrument :
MSVOA_F
ClientSampled :
TP-29

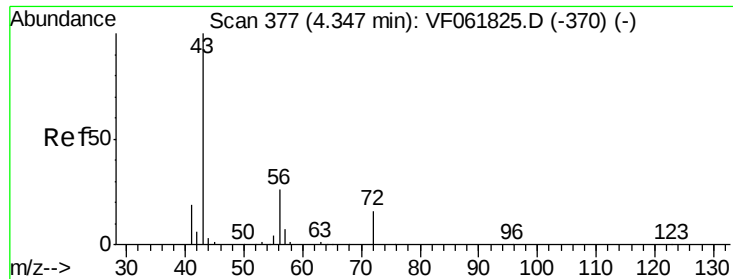
Tot Ion: 43 Resp: 6682
Ion Ratio Lower Upper
43 100
74 0.0 13.2 19.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.19 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF061893.D
Acq: 11 Mar 2019 16:57

Tgt Ion: 84 Resp: 3680
Ion Ratio Lower Upper
84 100
49 139.3 96.8 145.2
51 37.8 31.8 47.6
86 78.0 51.6 77.4#





#25

2-Butanone

Concen: 1.401 ug/l

RT: 4.33 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF061893.D

Acq: 11 Mar 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

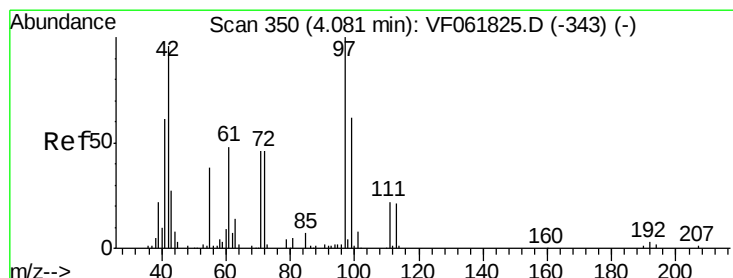
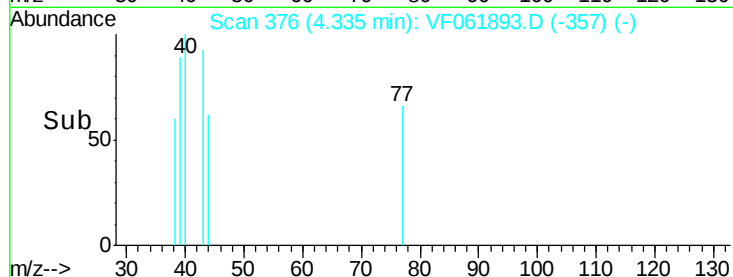
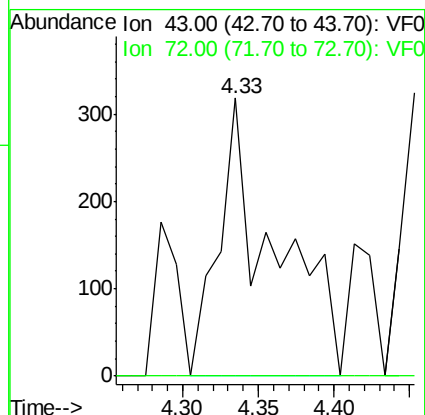
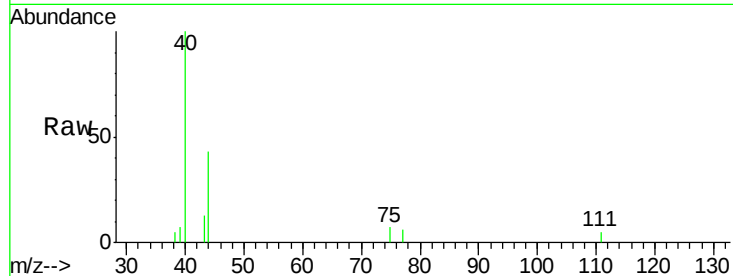
TP-29

Tot Ion: 43 Resp: 814

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.4#



#29

Tetrahydrofuran

Concen: 2.490 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.00 min

Lab File: VF061893.D

Acq: 11 Mar 2019 16:57

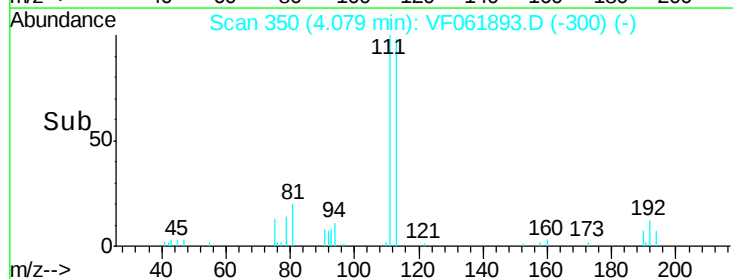
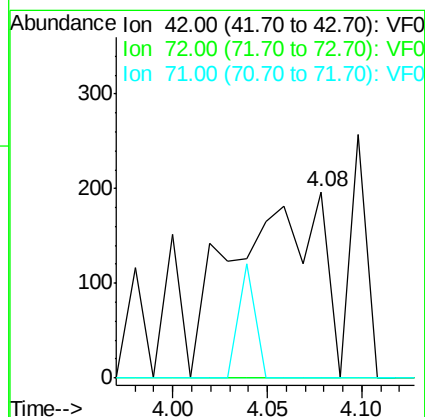
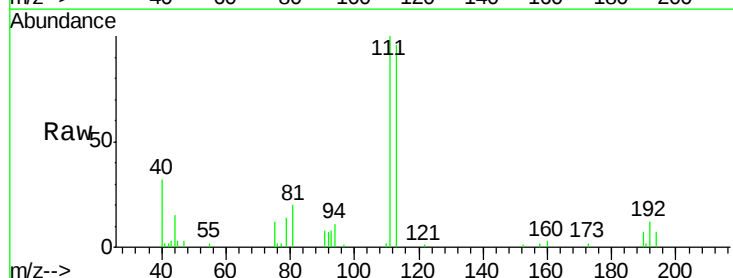
Tgt Ion: 42 Resp: 624

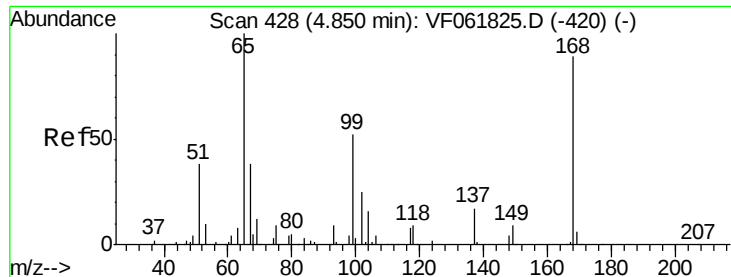
Ion Ratio Lower Upper

42 100

72 0.0 34.4 51.6#

71 0.0 34.6 52.0#

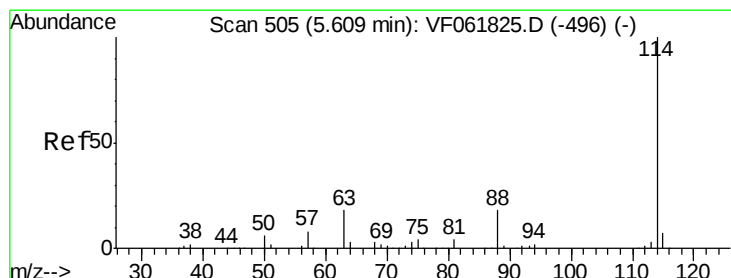
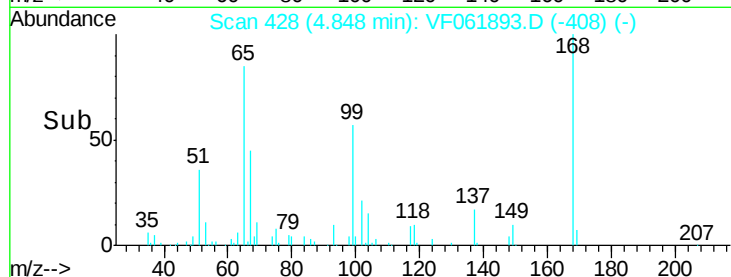
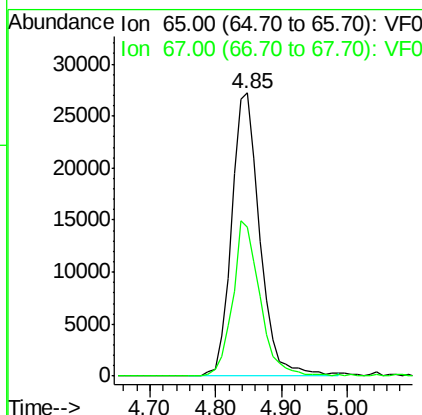
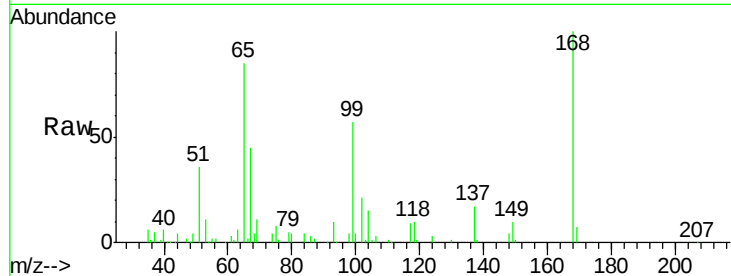




#33
 1,2-Dichloroethane-d4
 Concen: 60.132 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VF061893.D
 Acq: 11 Mar 2019 16:57

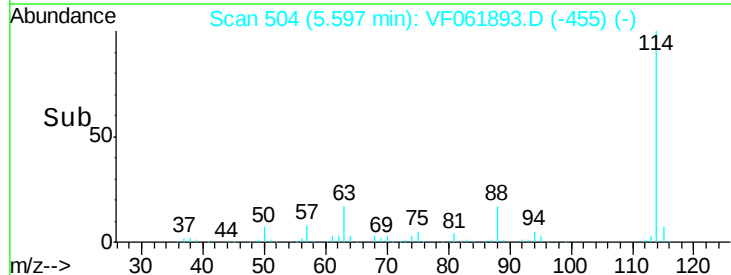
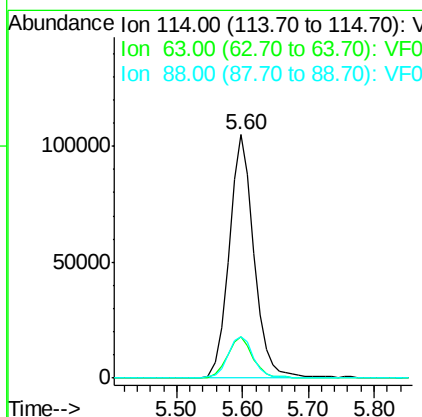
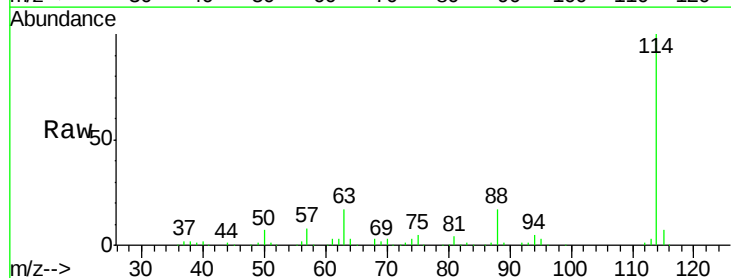
Instrument :
 MSVOA_F
 ClientSampleID :
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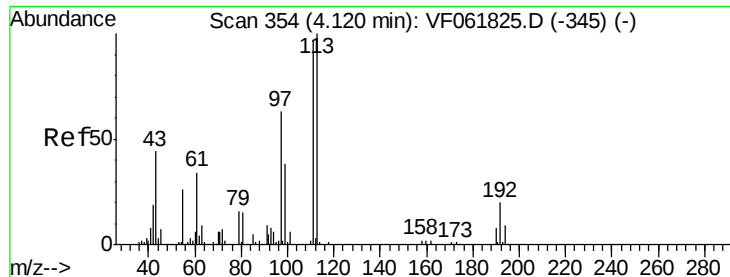
Tot Ion: 65 Resp: 82009
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061893.D
 Acq: 11 Mar 2019 16:57

Tgt Ion: 114 Resp: 278336
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.6
 88 16.9 0.0 35.6

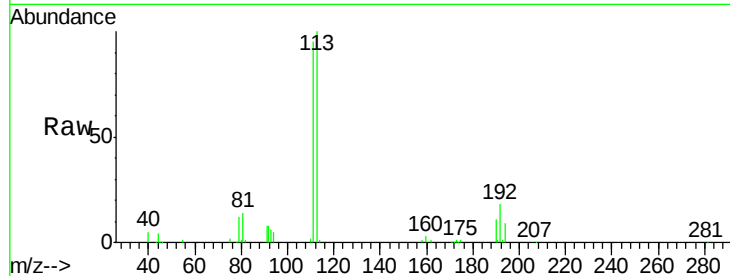




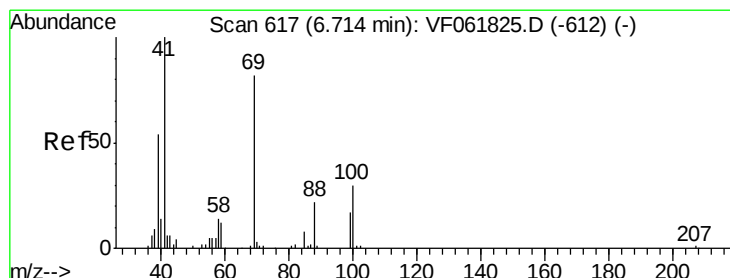
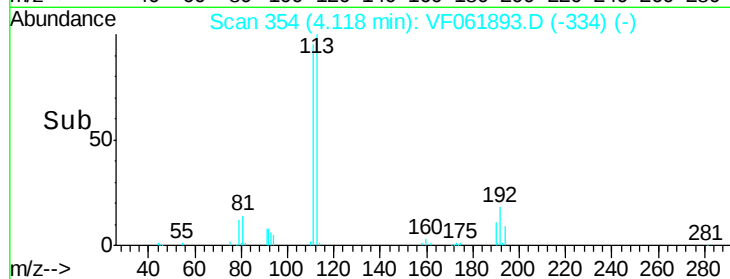
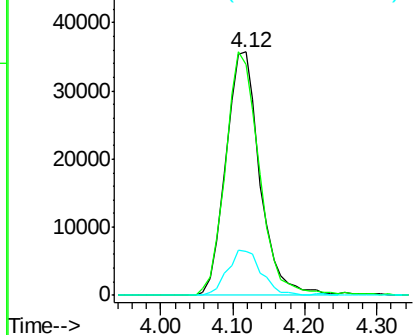
#35
 Dibromofluoromethane
 Concen: 60.306 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VF061893.D
 Acq: 11 Mar 2019 16:57

Instrument :
 MSVOA_F
 ClientSampleId :
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Tot Ion:113 Resp: 117140
 Ion Ratio Lower Upper
 113 100
 111 94.9 77.6 116.4
 192 18.9 15.9 23.9

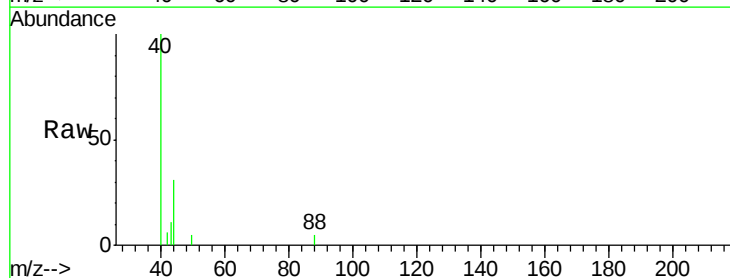


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

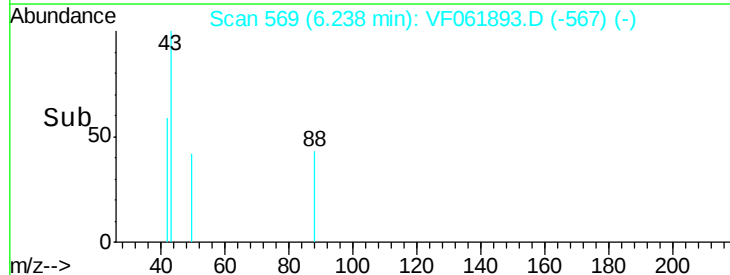
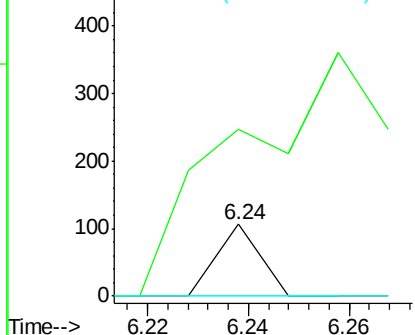


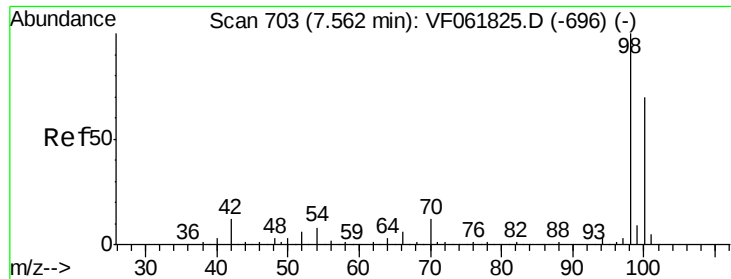
#49
 1,4-Dioxane
 Concen: 8.005 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.48 min
 Lab File: VF061893.D
 Acq: 11 Mar 2019 16:57

Tgt Ion: 88 Resp: 63
 Ion Ratio Lower Upper
 88 100
 43 233.0 28.4 42.6#
 58 0.0 50.7 76.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0
 Ion 43.00 (42.70 to 43.70): VF0
 Ion 58.00 (57.70 to 58.70): VF0

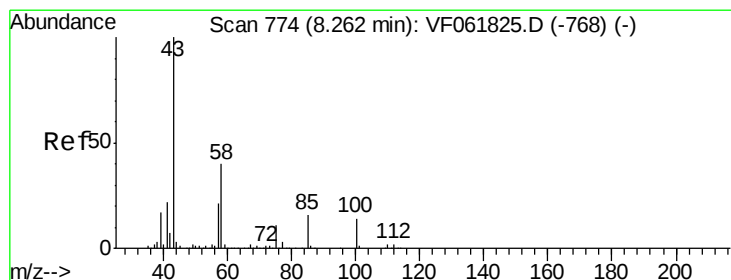
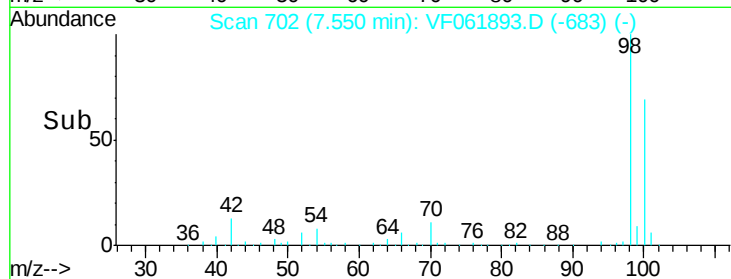
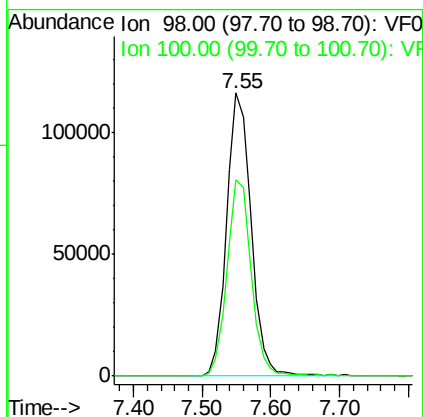
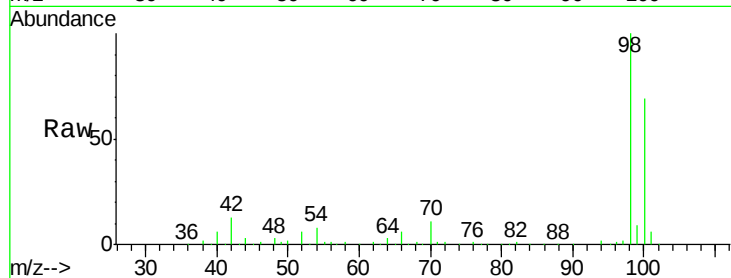




#50
Toluene-d8
Concen: 49.872 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061893.D
Acq: 11 Mar 2019 16:57

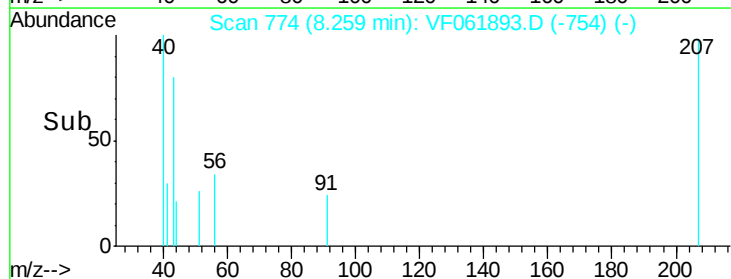
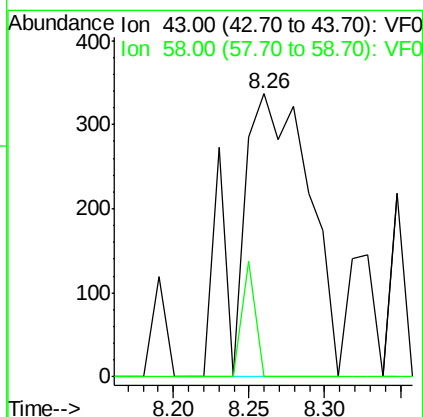
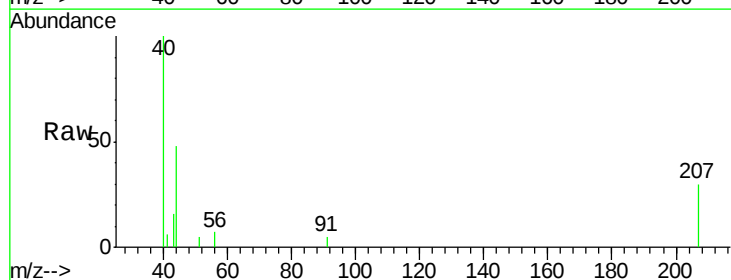
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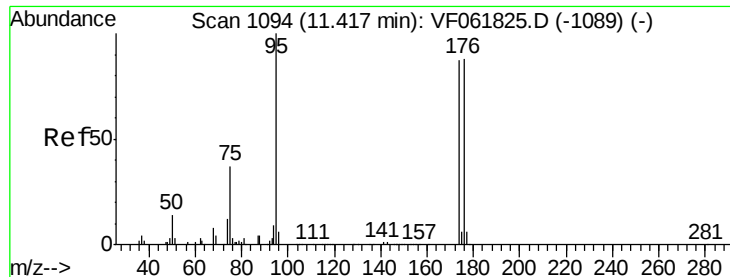
Tot Ion: 98 Resp: 287932
Ion Ratio Lower Upper
98 100
100 69.3 56.0 84.0



#51
4-Methyl-2-Pentanone
Concen: 1.191 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.00 min
Lab File: VF061893.D
Acq: 11 Mar 2019 16:57

Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.8#





#62

4-Bromofluorobenzene

Concen: 52.694 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061893.D

Acq: 11 Mar 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

TP-29

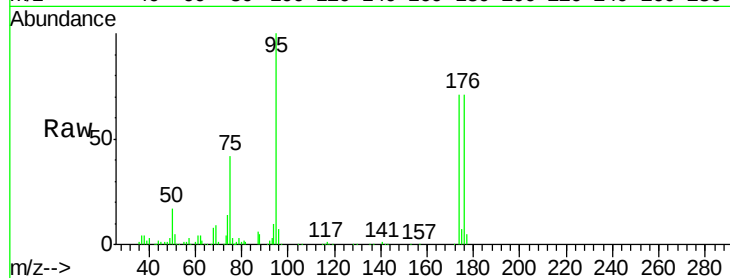
Tot Ion: 95 Resp: 119174

Ion Ratio Lower Upper

95 100

174 71.4 0.0 174.0

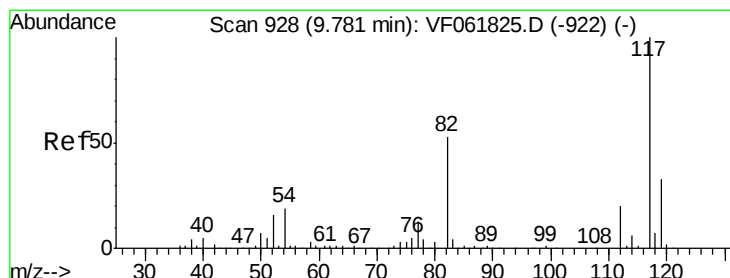
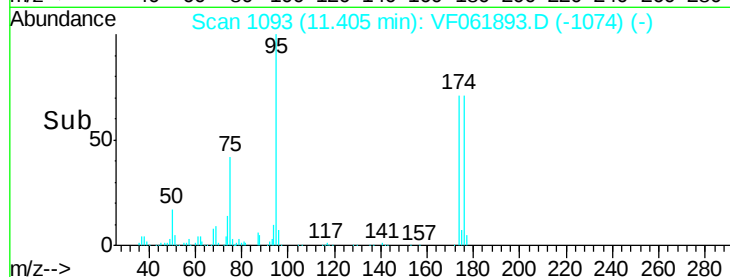
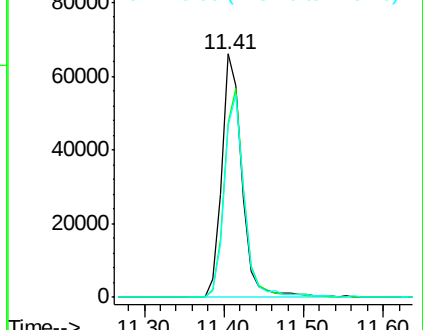
176 70.6 0.0 175.2



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: 9.78 min Scan# 928

Delta R.T. -0.00 min

Lab File: VF061893.D

Acq: 11 Mar 2019 16:57

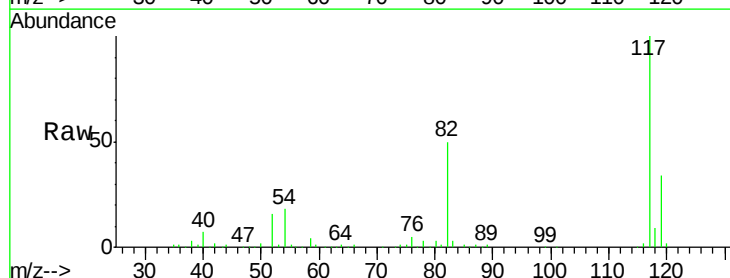
Tgt Ion: 117 Resp: 225916

Ion Ratio Lower Upper

117 100

82 50.2 42.6 63.8

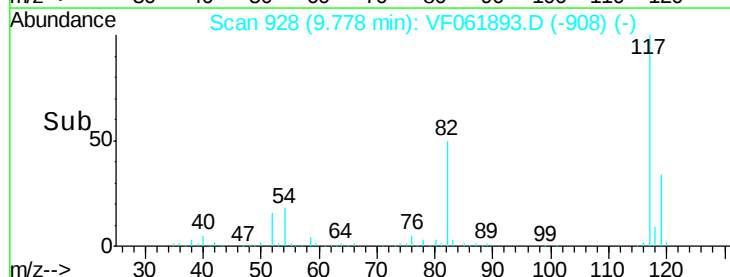
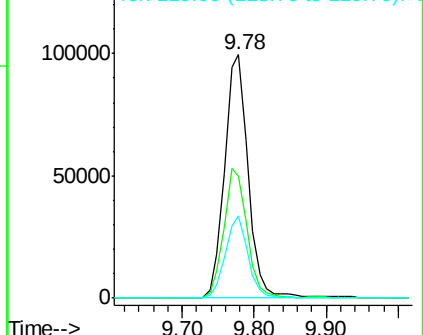
119 33.8 26.0 39.0

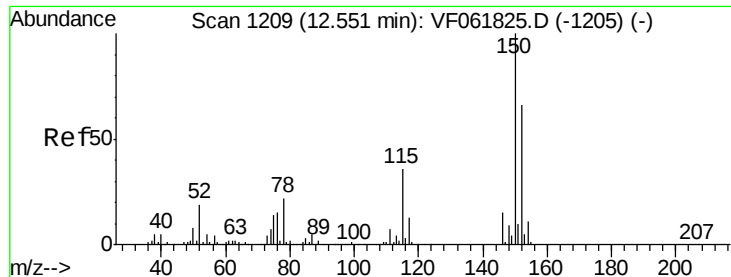


Abundance Ion 117.00 (116.70 to 117.70): V

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: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061893.D

Acq: 11 Mar 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

TP-29

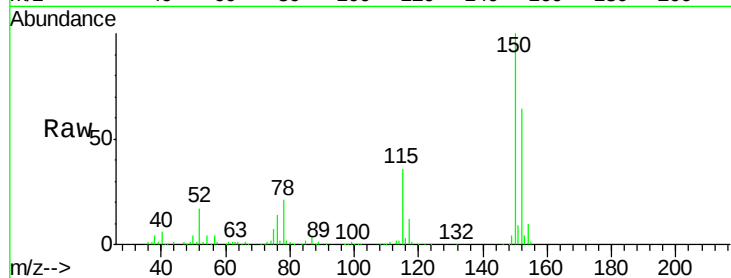
Tot Ion:152 Resp: 118970

Ion Ratio Lower Upper

152 100

115 57.0 27.7 83.1

150 156.2 0.0 304.2



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

