

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
 Data File : VF061647.D
 Acq On : 14 Feb 2019 18:27
 Operator : VA/AP
 Sample : K1484-15
 Misc : 4.78g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 M-3-D

Quant Time: Feb 15 00:48:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

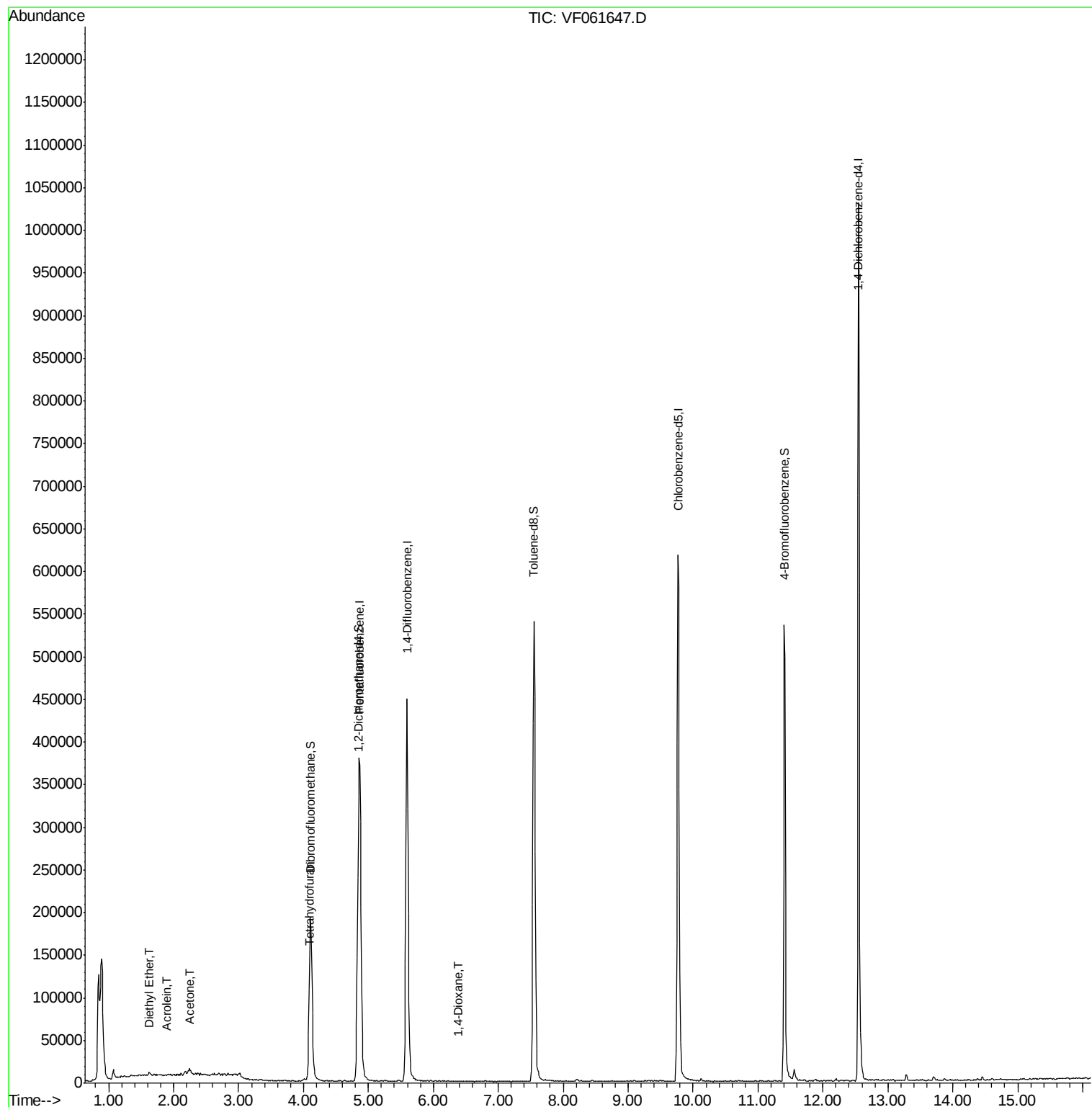
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	387590	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	582428	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	522500	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	296841	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	122072	42.95	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	85.90%	
35) Dibromofluoromethane	4.11	113	194767	45.03	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	90.06%	
50) Toluene-d8	7.55	98	487611	39.22	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	78.44%	
62) 4-Bromofluorobenzene	11.41	95	212713	42.28	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	84.56%	
Target Compounds						
8) Diethyl Ether	1.63	74	1609	1.219	ug/l	88
13) Acrolein	1.89	56	298	1.441	ug/l	100
16) Acetone	2.24	43	11323	18.568	ug/l #	87
20) Methylene Chloride	2.18	84	1474	Below Cal		91
29) Tetrahydrofuran	4.08	42	1035	1.710	ug/l #	46
49) 1,4-Dioxane	6.39	88	77	4.291	ug/l #	1

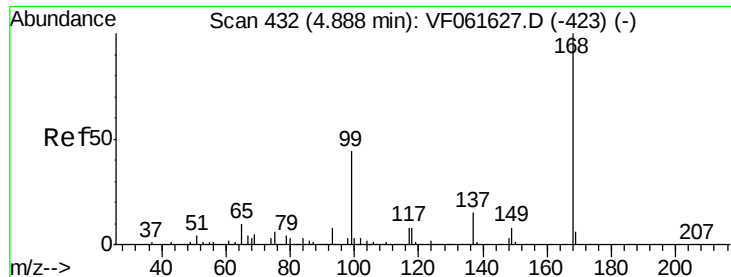
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061647.D

Acq: 14 Feb 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

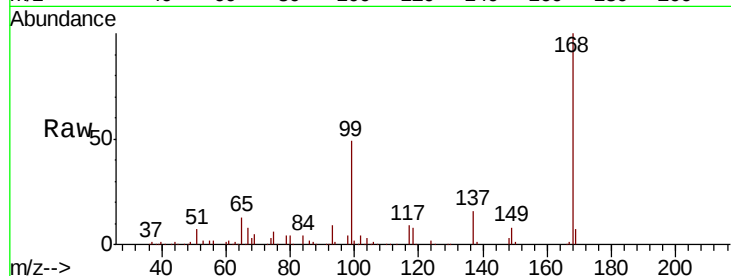
M-3-D

Tgt Ion:168 Resp: 387590

Ion Ratio Lower Upper

168 100

99 48.6 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

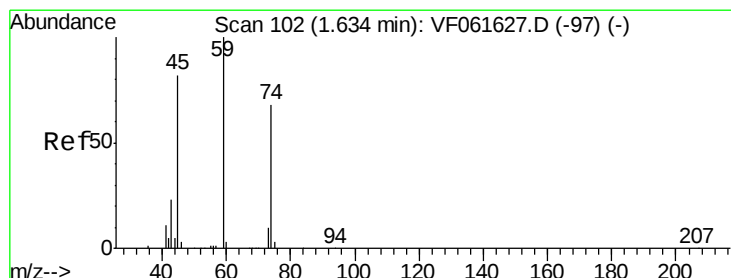
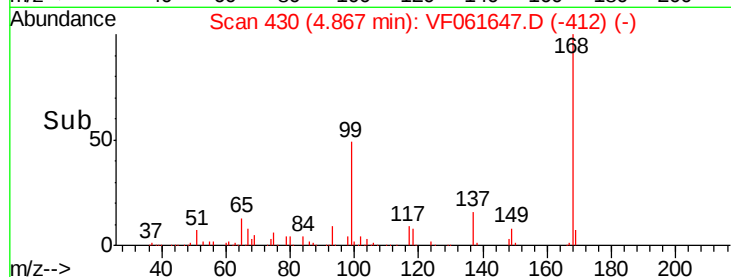
4.87

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.219 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061647.D

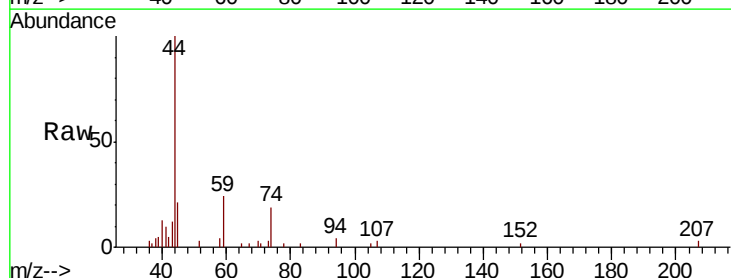
Acq: 14 Feb 2019 18:27

Tgt Ion: 74 Resp: 1609

Ion Ratio Lower Upper

74 100

45 108.3 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

163

1000

800

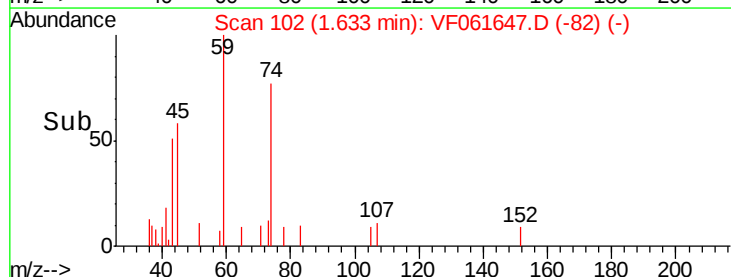
600

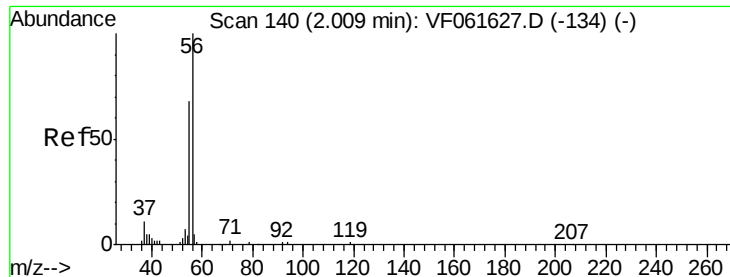
400

200

0

Time-->





#13

Acrolein

Concen: 1.441 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.12 min

Lab File: VF061647.D

Acq: 14 Feb 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

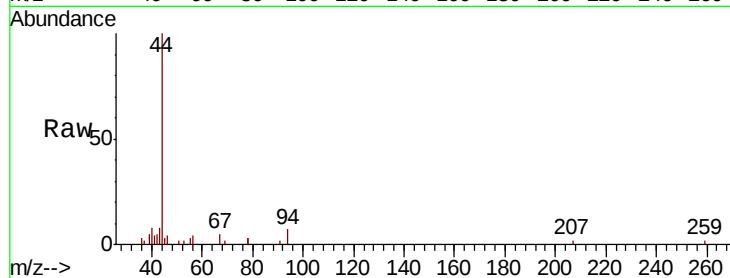
M-3-D

Tgt Ion: 56 Resp: 298

Ion Ratio Lower Upper

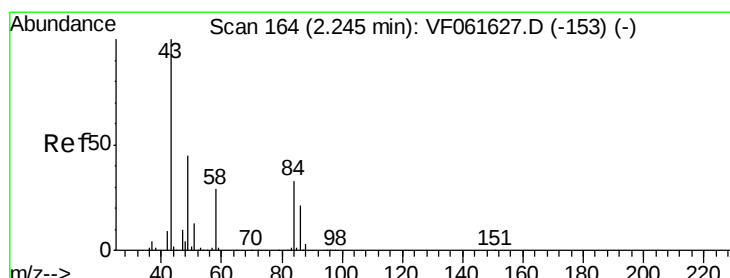
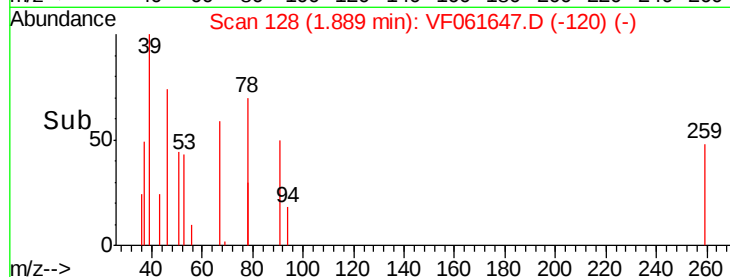
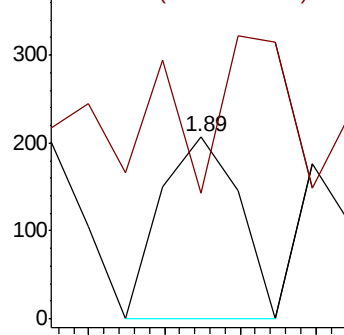
56 100

55 69.1 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 18.568 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF061647.D

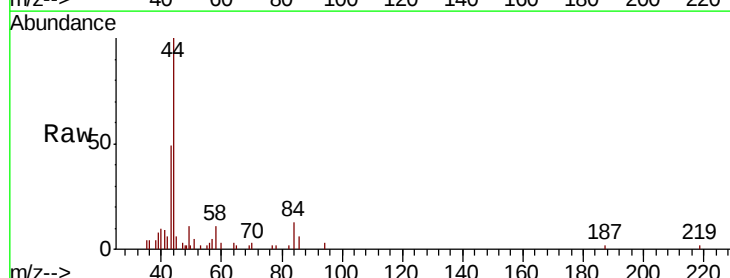
Acq: 14 Feb 2019 18:27

Tgt Ion: 43 Resp: 11323

Ion Ratio Lower Upper

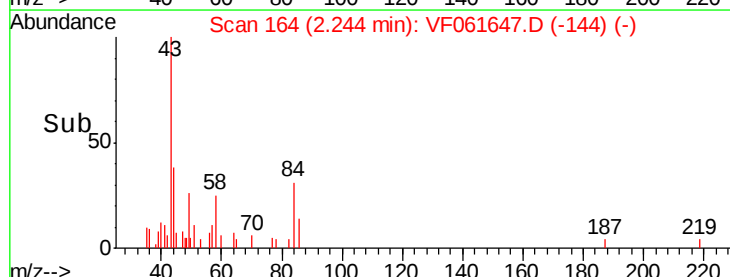
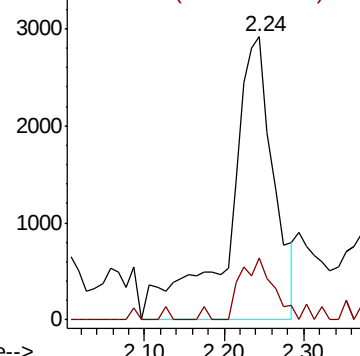
43 100

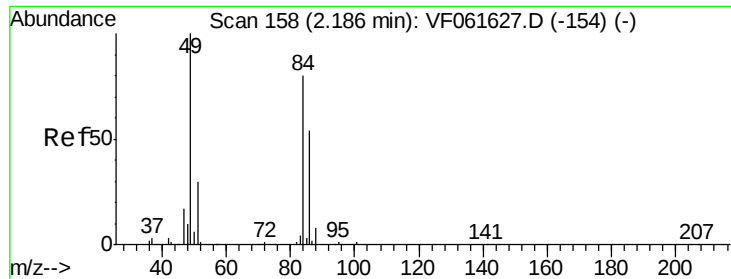
58 21.8 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

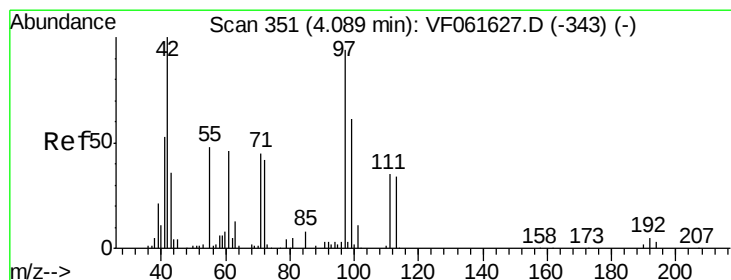
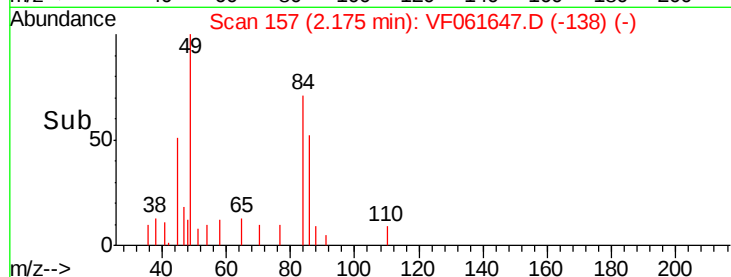
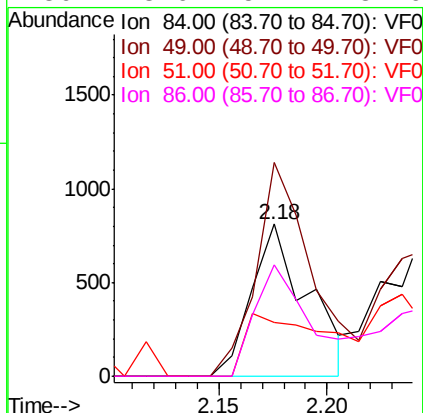
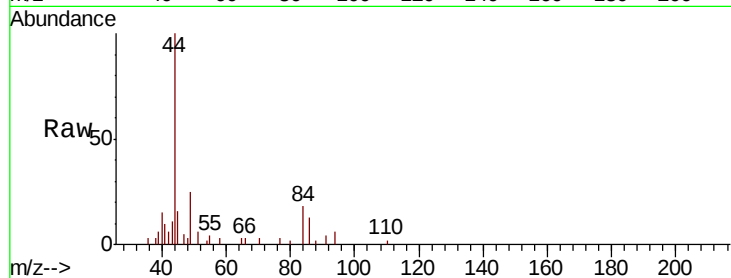




#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061647.D
Acq: 14 Feb 2019 18:27

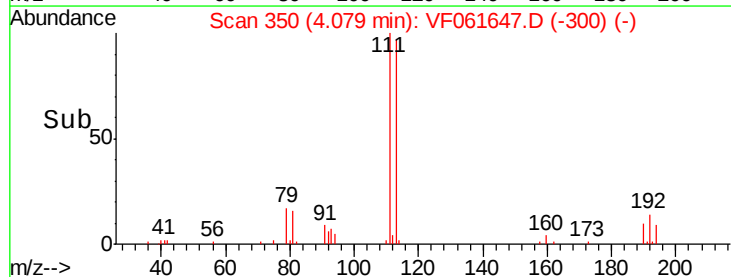
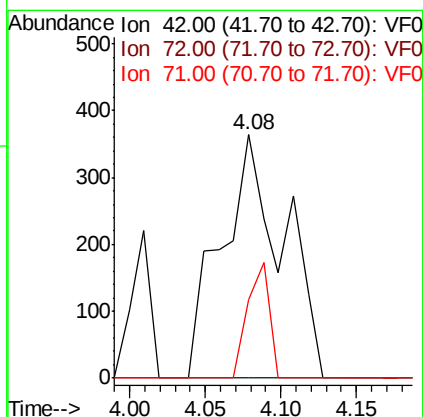
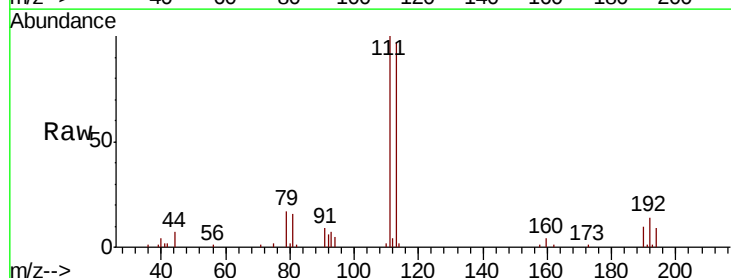
Instrument :
MSVOA_F
ClientSampleId :
M-3-D

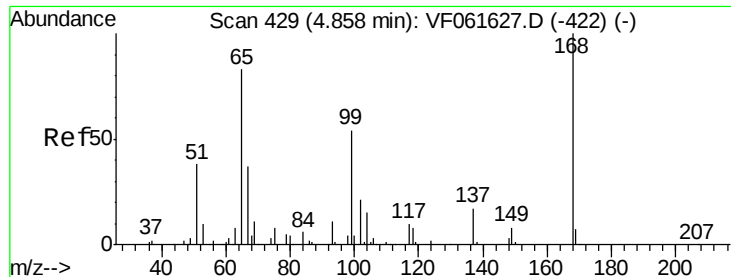
Tgt Ion: 84 Resp: 1474
Ion Ratio Lower Upper
84 100
49 140.4 101.8 152.8
51 35.7 31.1 46.7
86 73.6 54.4 81.6



#29
Tetrahydrofuran
Concen: 1.710 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061647.D
Acq: 14 Feb 2019 18:27

Tgt Ion: 42 Resp: 1035
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 16.6 32.9 49.3#

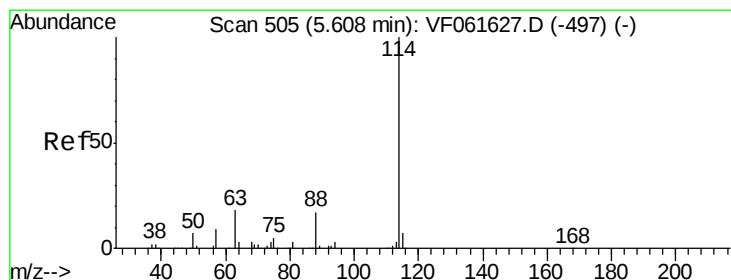
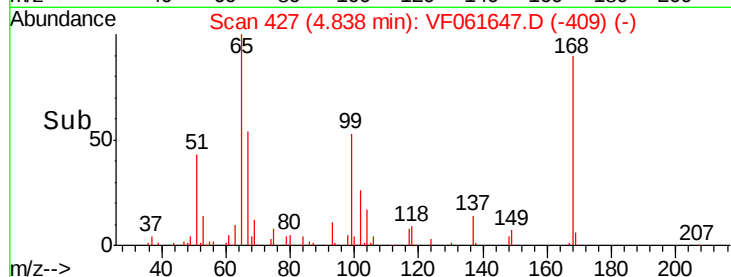
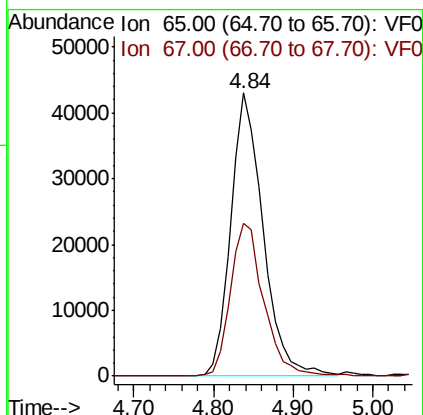
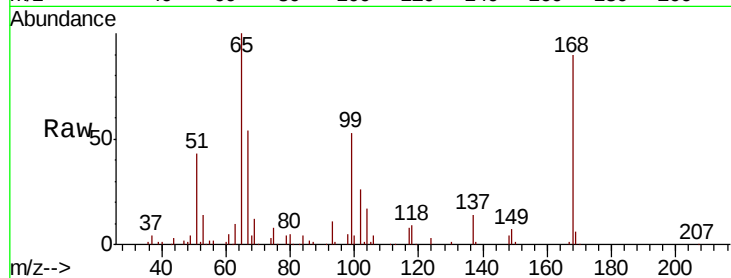




#33
 1,2-Dichloroethane-d4
 Concen: 42.949 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.02 min
 Lab File: VF061647.D
 Acq: 14 Feb 2019 18:27

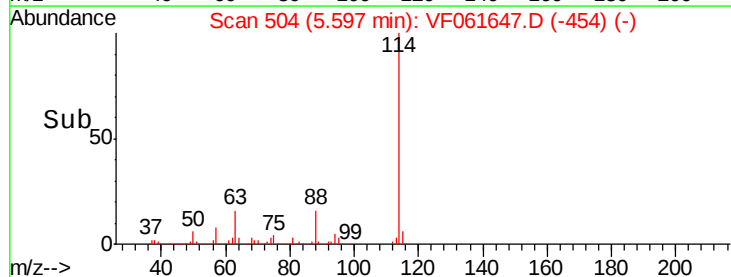
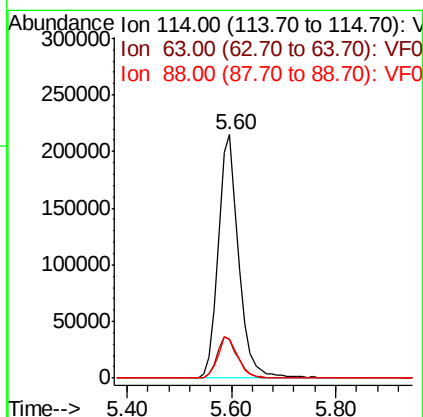
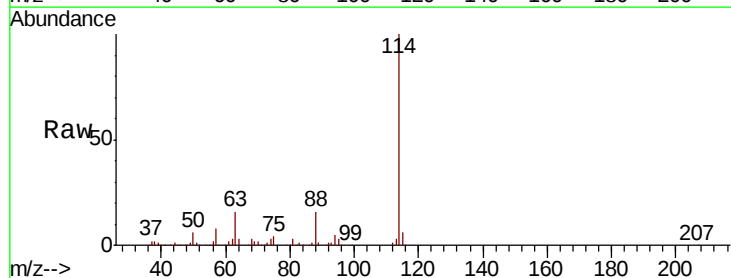
Instrument :
 MSVOA_F
 ClientSampleId :
 M-3-D

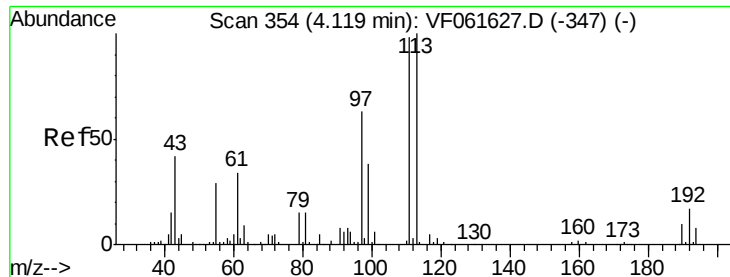
Tgt Ion: 65 Resp: 122072
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061647.D
 Acq: 14 Feb 2019 18:27

Tgt Ion: 114 Resp: 582428
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 36.6
 88 15.8 0.0 34.4





#35

Dibromofluoromethane

Concen: 45.031 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061647.D

Acq: 14 Feb 2019 18:27

Instrument :

MSVOA_F

ClientSampled :

M-3-D

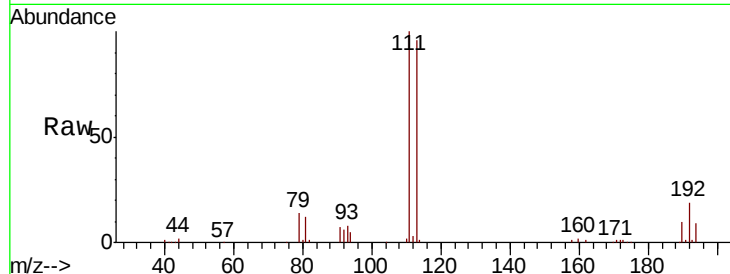
Tgt Ion:113 Resp: 194767

Ion Ratio Lower Upper

113 100

111 104.2 78.8 118.2

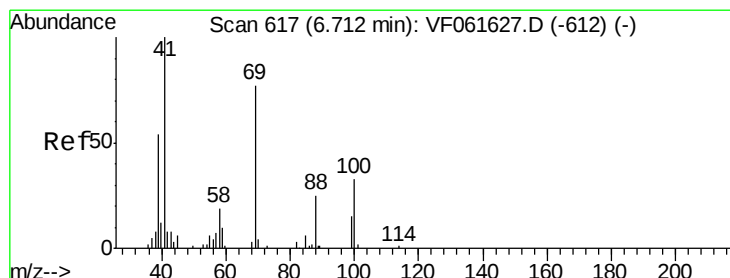
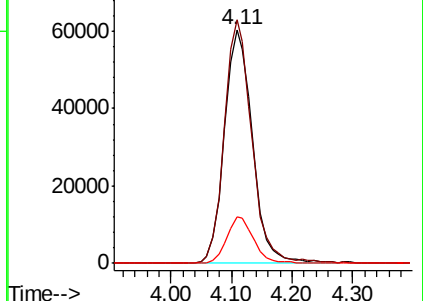
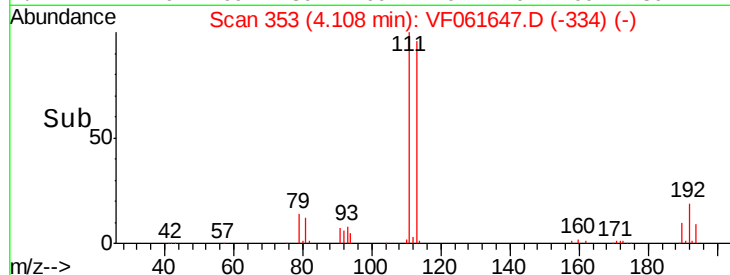
192 20.0 13.4 20.0



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: 4.291 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.33 min

Lab File: VF061647.D

Acq: 14 Feb 2019 18:27

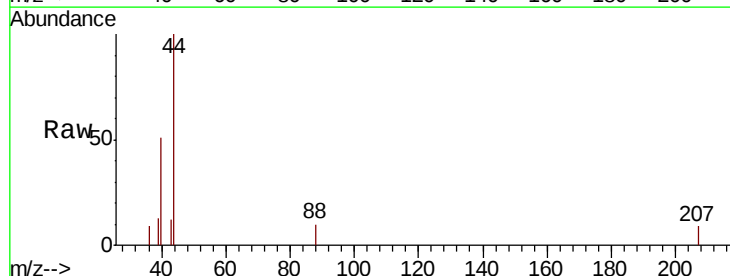
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 117.7 32.3 48.5#

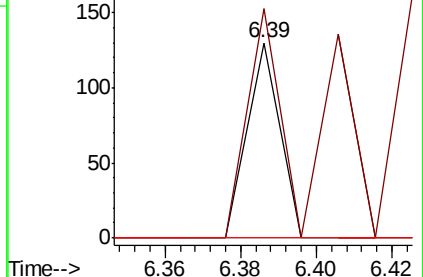
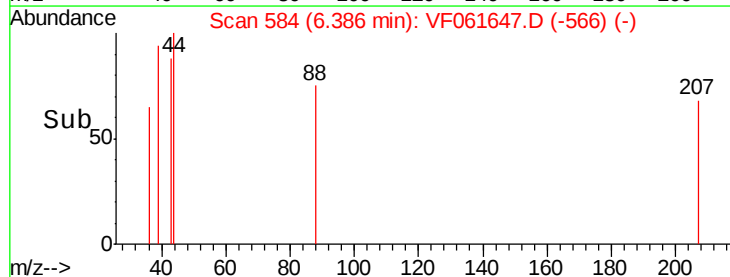
58 0.0 59.4 89.2#

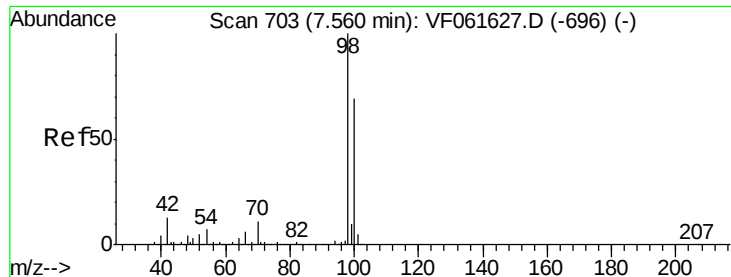


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

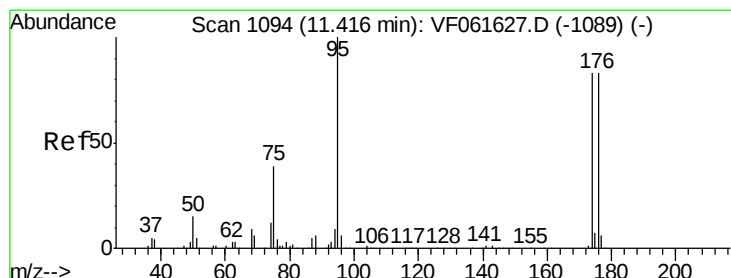
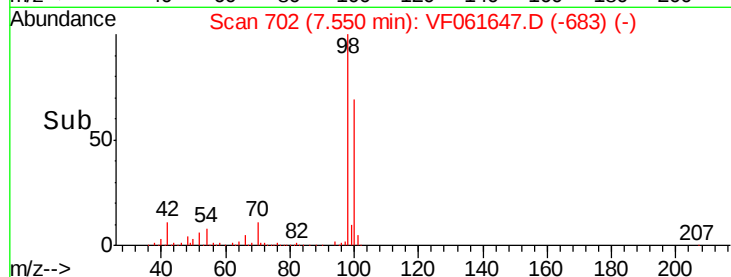
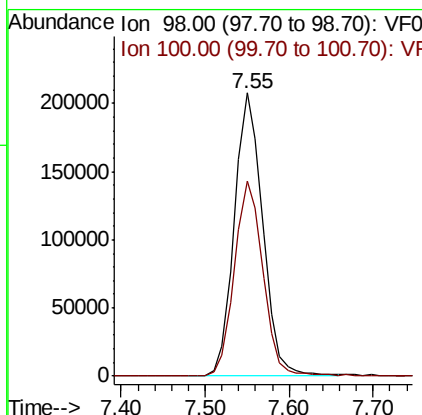
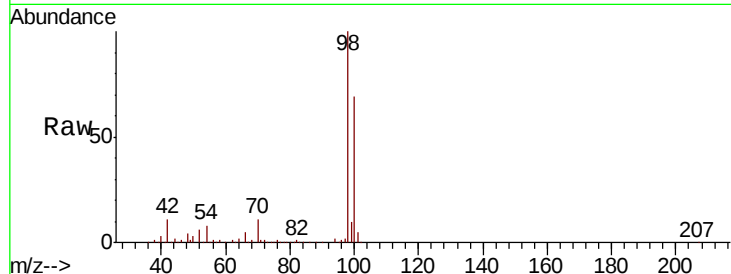




#50
Toluene-d8
Concen: 39.217 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061647.D
Acq: 14 Feb 2019 18:27

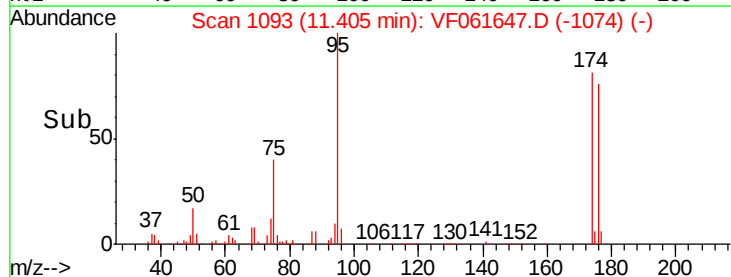
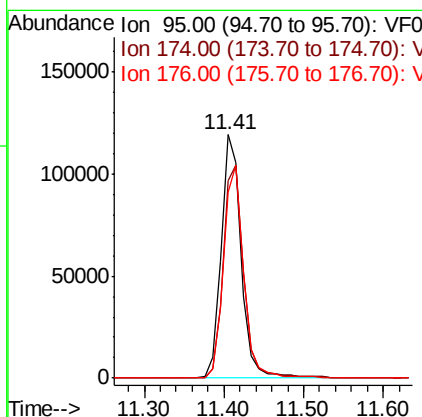
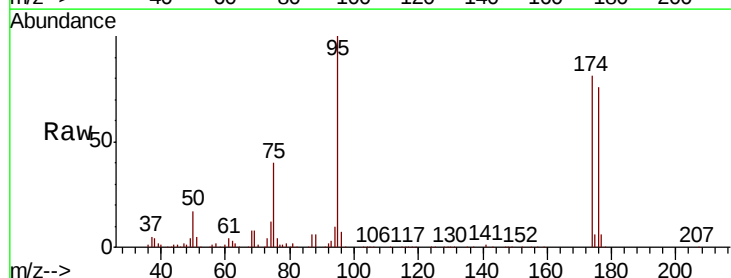
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M-3-D

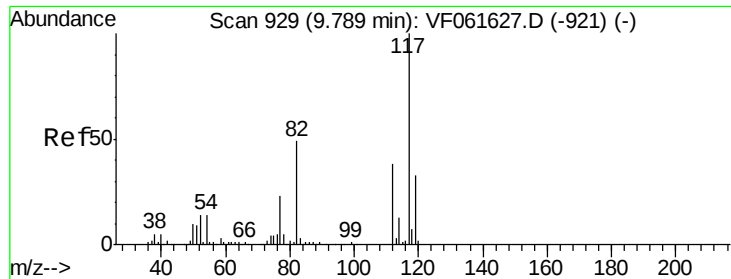
Tgt Ion: 98 Resp: 487611
Ion Ratio Lower Upper
98 100
100 68.9 55.4 83.2



#62
4-Bromofluorobenzene
Concen: 42.282 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061647.D
Acq: 14 Feb 2019 18:27

Tgt Ion: 95 Resp: 212713
Ion Ratio Lower Upper
95 100
174 81.4 0.0 165.8
176 76.4 0.0 167.0

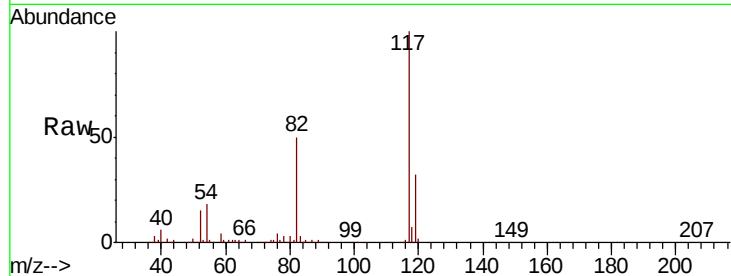




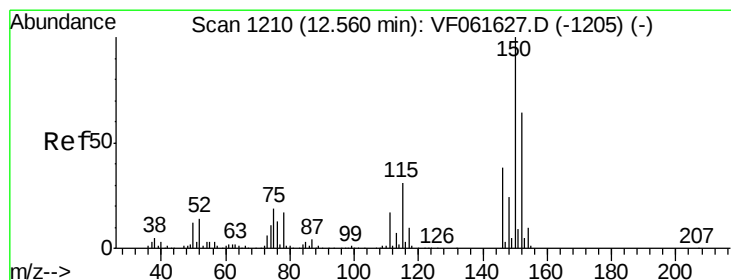
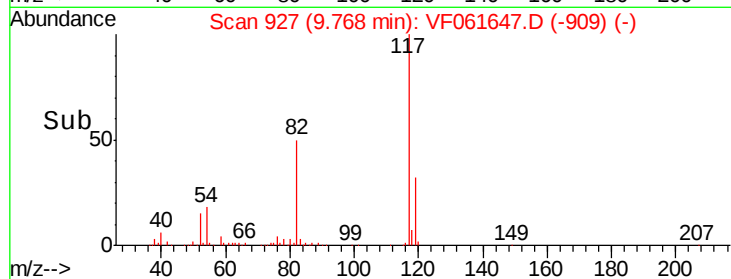
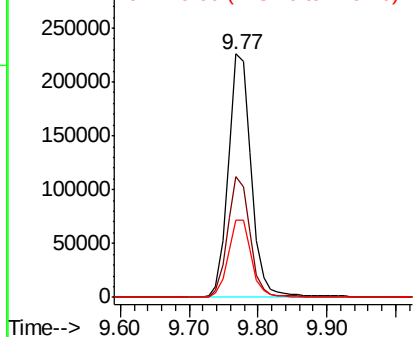
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061647.D
Acq: 14 Feb 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
M-3-D

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.7	39.3	58.9
119	31.7	26.6	40.0

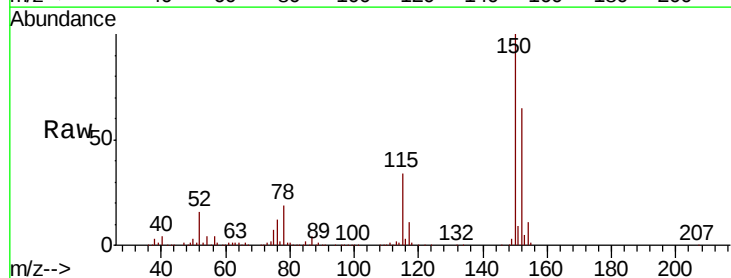


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061647.D
Acq: 14 Feb 2019 18:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	24.3	72.8
150	153.6	0.0	312.0



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

