

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060109.D
 Acq On : 24 Aug 2018 19:31
 Operator : VA/AP
 Sample : J4282-11
 Misc : 7.11g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-A

Quant Time: Aug 25 03:47:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	163431	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	253650	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	261903	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	136932	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	97061	43.39	ug/l	-0.03
Spiked Amount			Recovery	=	86.78%	
35) Dibromofluoromethane	4.27	113	94643	47.52	ug/l	-0.03
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	7.70	98	224460	39.68	ug/l	-0.02
Spiked Amount			Recovery	=	79.36%	
62) 4-Bromofluorobenzene	11.50	95	116616	38.97	ug/l	-0.02
Spiked Amount			Recovery	=	77.94%	

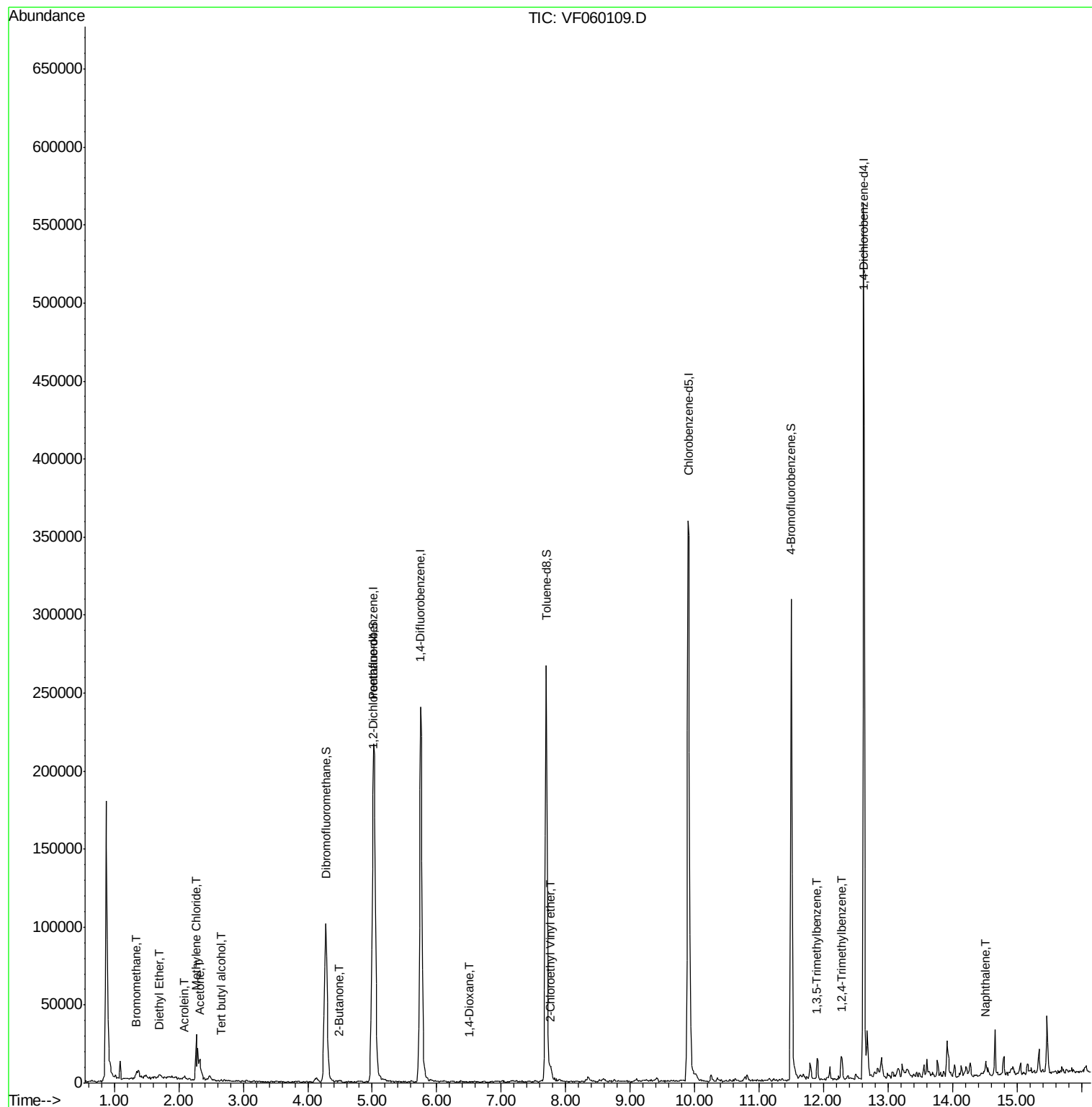
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	939	Below Cal	#	40
5) Bromomethane	1.34	94	1174	1.16	ug/l #	40
8) Diethyl Ether	1.69	74	542	1.13	ug/l	56
11) Tert butyl alcohol	2.66	59	179	1.50	ug/l #	80
13) Acrolein	2.07	56	241	29.29	ug/l #	8
16) Acetone	2.33	43	15980	27.18	ug/l #	92
18) Methyl Acetate	2.44	43	725	Below Cal	#	60
20) Methylene Chloride	2.27	84	13875	7.64	ug/l #	84
25) 2-Butanone	4.50	43	1097	1.44	ug/l #	58
49) 1,4-Dioxane	6.51	88	62	5.44	ug/l #	21
52) Toluene	7.77	92	2936	Below Cal		82
58) 2-Chloroethyl Vinyl ether	7.77	63	843	6.24	ug/l	100
68) m/p-Xylenes	10.25	106	1291	Below Cal		83
80) 1,3,5-Trimethylbenzene	11.90	105	7688	1.07	ug/l	85
84) 1,2,4-Trimethylbenzene	12.28	105	8216	1.08	ug/l	86
95) Naphthalene	14.51	128	6226	3.45	ug/l #	91

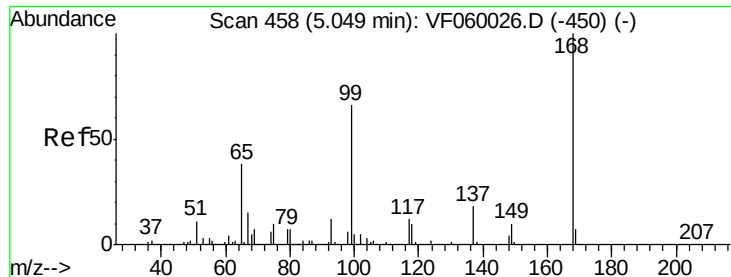
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082418\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF060109.D

Acq: 24 Aug 2018 19:31

Instrument :

MSVOA_F

ClientSampleId :

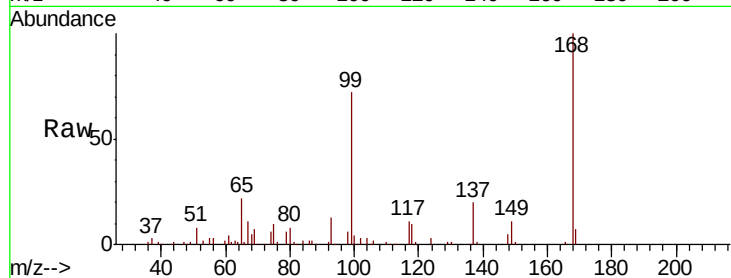
SU-02-082318-A

Tot Ion:168 Resp: 163431

Ion Ratio Lower Upper

168 100

99 72.3 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

50000

40000

30000

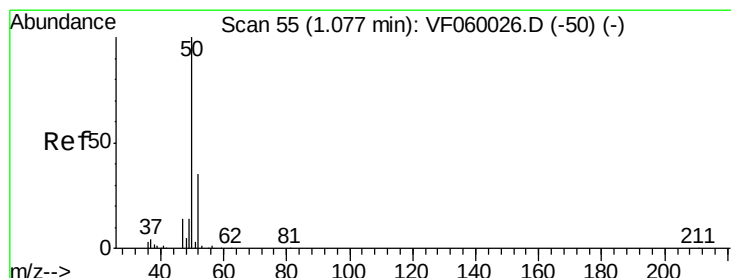
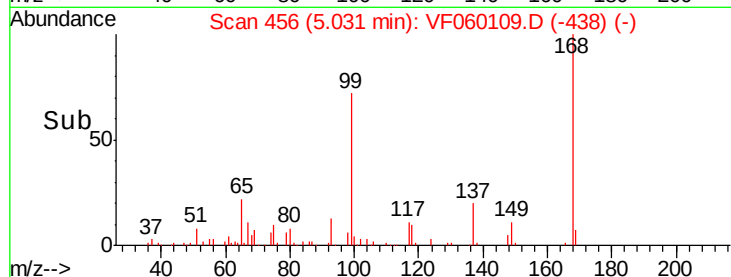
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060109.D

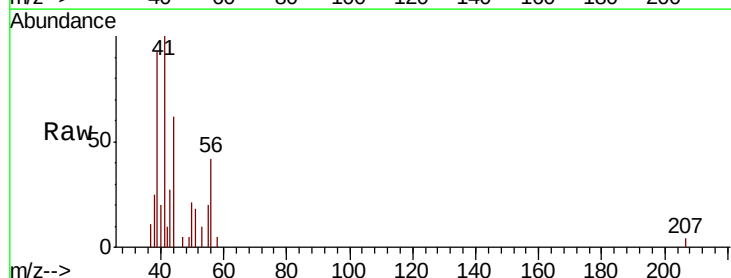
Acq: 24 Aug 2018 19:31

Tgt Ion: 50 Resp: 939

Ion Ratio Lower Upper

50 100

52 0.0 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

600

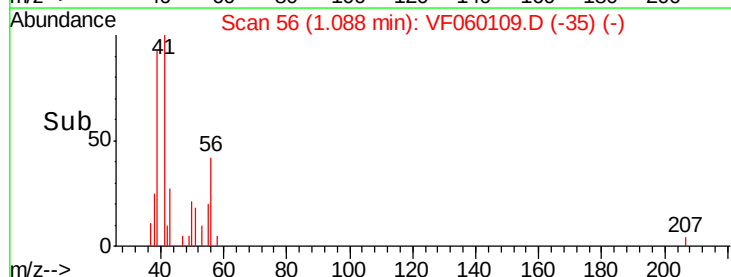
400

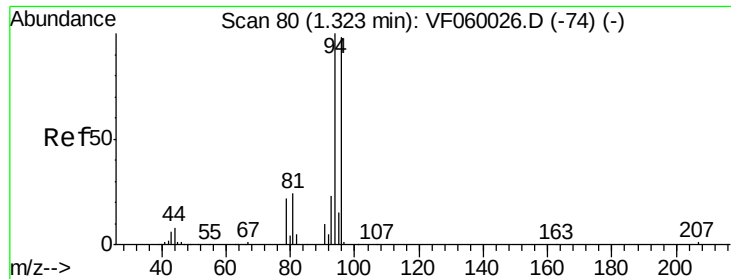
200

0

Time-->

1.05 1.10





#5

Bromomethane

Concen: 1.16 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.02 min

Lab File: VF060109.D

Acq: 24 Aug 2018 19:31

Instrument :

MSVOA_F

ClientSampleId :

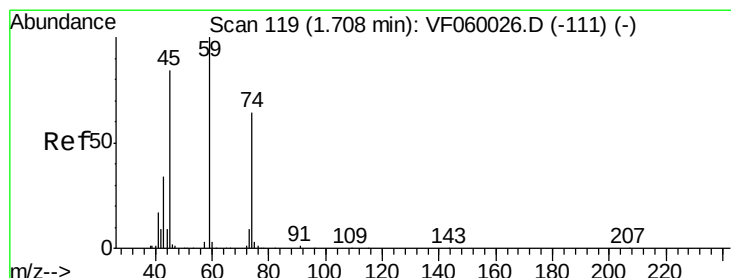
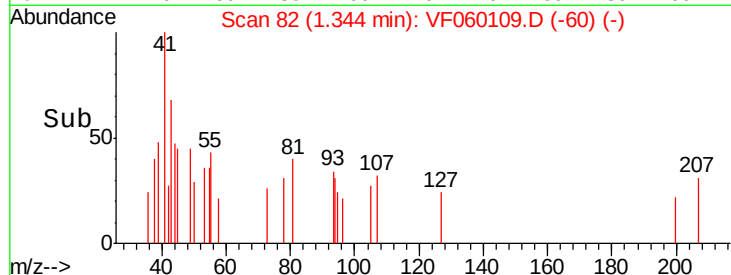
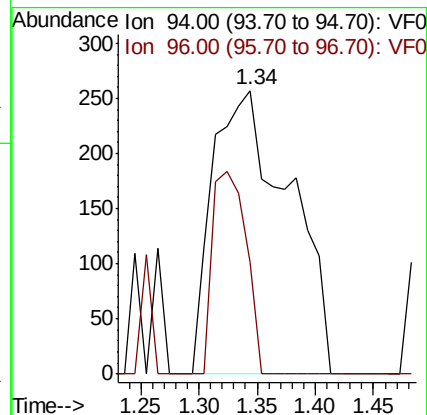
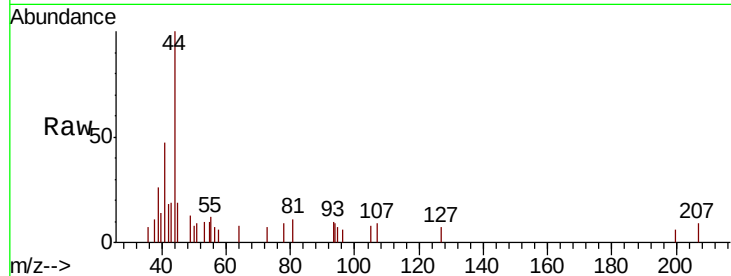
SU-02-082318-A

Tot Ion: 94 Resp: 1174

Ion Ratio Lower Upper

94 100

96 39.3 78.6 118.0#



#8

Diethyl Ether

Concen: 1.13 ug/l

RT: 1.69 min Scan# 117

Delta R.T. -0.02 min

Lab File: VF060109.D

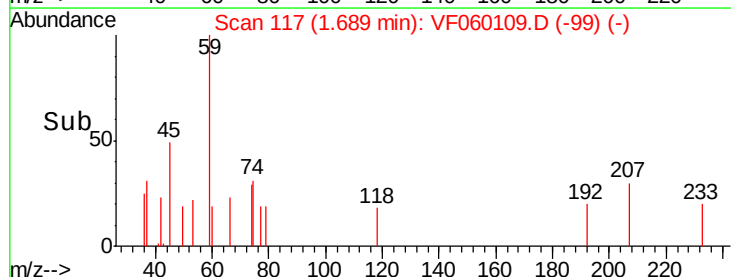
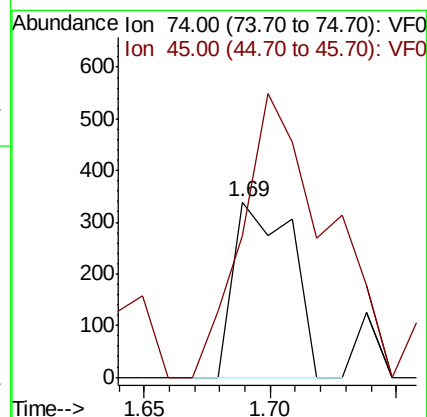
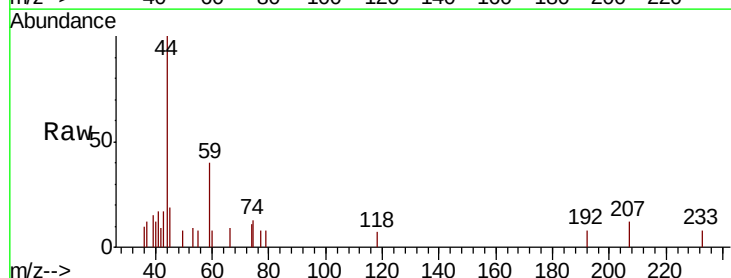
Acq: 24 Aug 2018 19:31

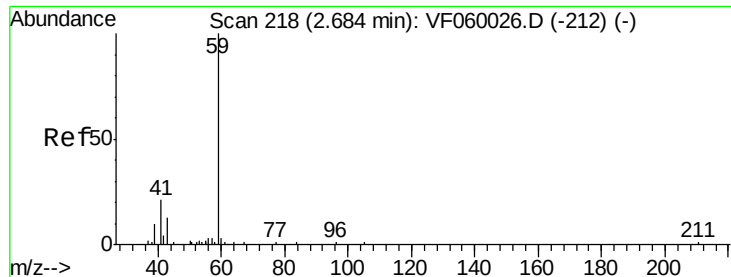
Tgt Ion: 74 Resp: 542

Ion Ratio Lower Upper

74 100

45 80.8 66.0 198.0

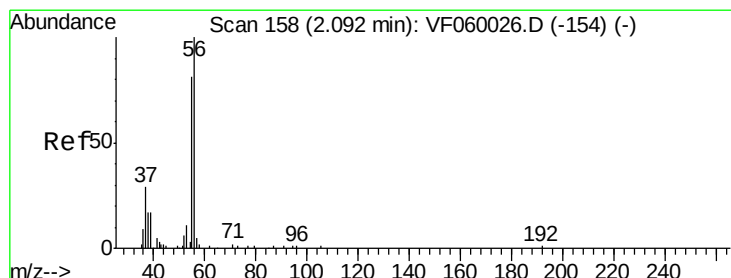
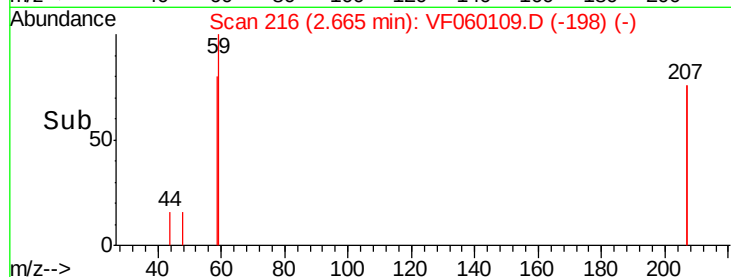
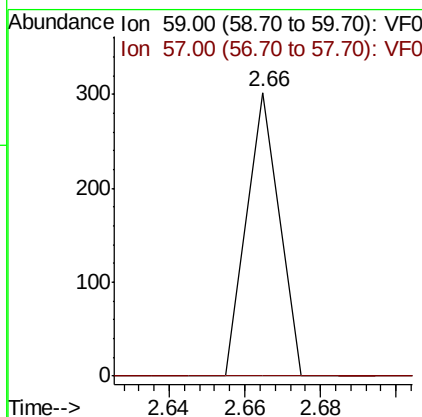
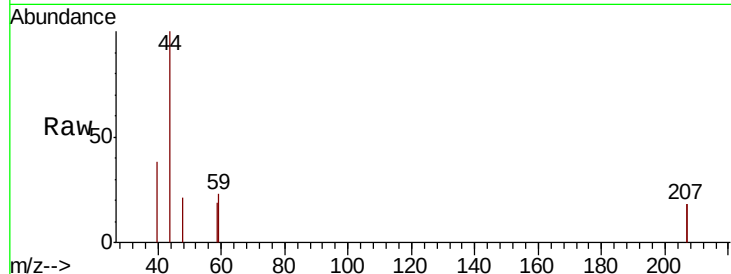




#11
Tert butyl alcohol
Concen: 1.50 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.02 min
Lab File: VF060109.D
Acq: 24 Aug 2018 19:31

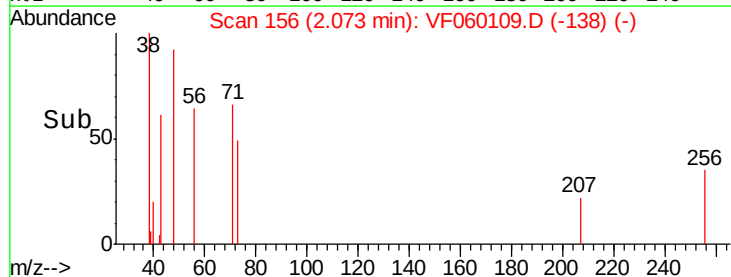
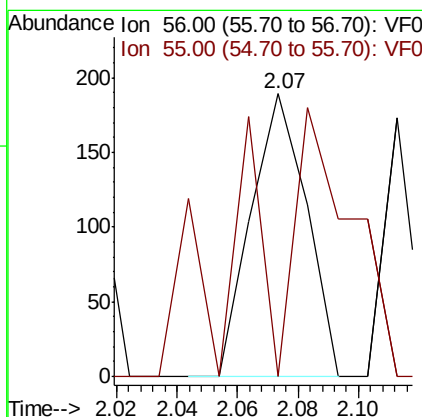
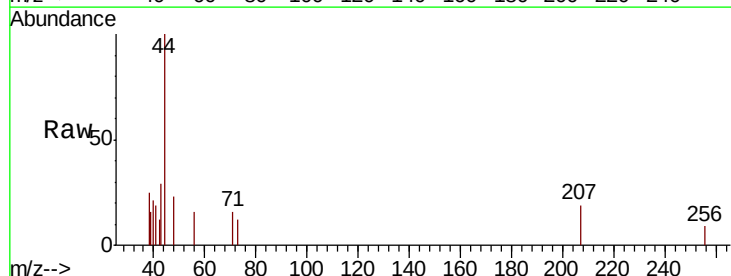
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-A

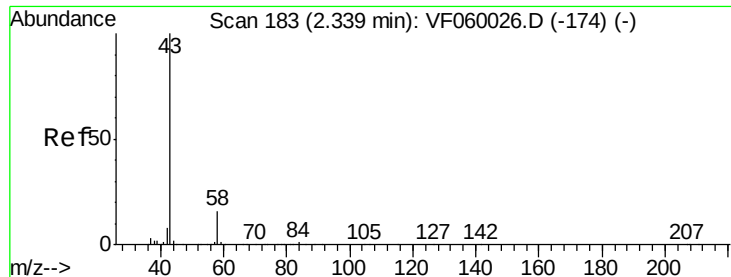
Tot Ion: 59 Resp: 179
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#



#13
Acrolein
Concen: 29.29 ug/l
RT: 2.07 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF060109.D
Acq: 24 Aug 2018 19:31

Tgt Ion: 56 Resp: 241
Ion Ratio Lower Upper
56 100
55 0.0 65.6 98.4#





#16

Acetone

Concen: 27.18 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060109.D

Acq: 24 Aug 2018 19:31

Instrument :

MSVOA_F

ClientSampleId :

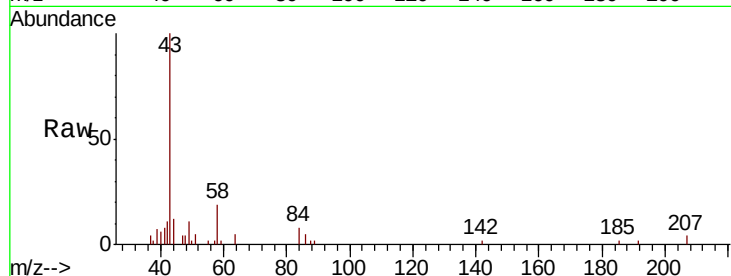
SU-02-082318-A

Tot Ion: 43 Resp: 15980

Ion Ratio Lower Upper

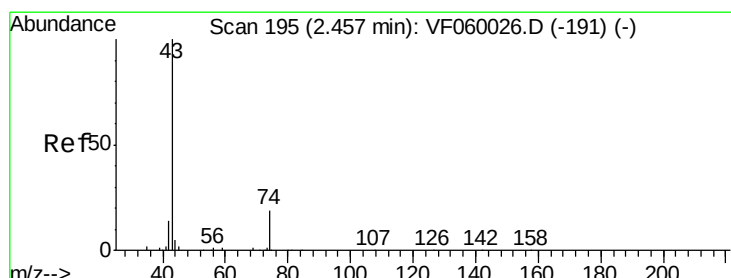
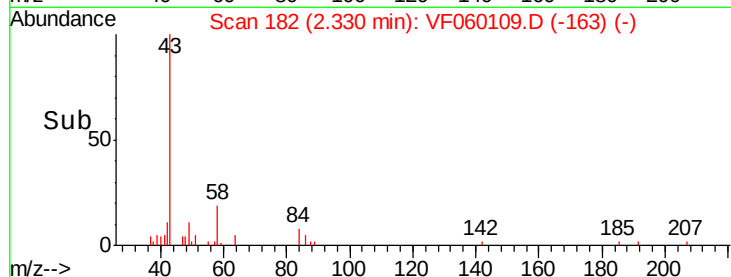
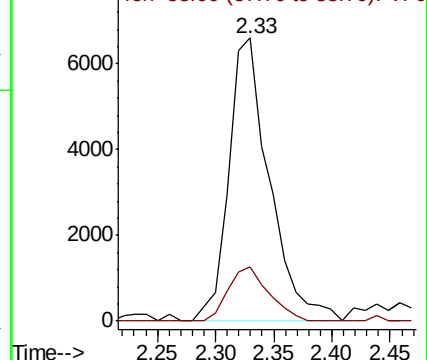
43 100

58 19.0 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.44 min Scan# 193

Delta R.T. -0.02 min

Lab File: VF060109.D

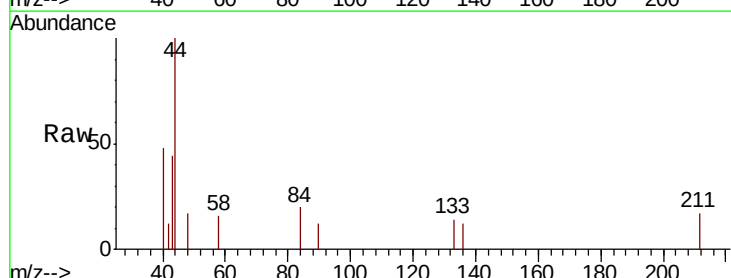
Acq: 24 Aug 2018 19:31

Tgt Ion: 43 Resp: 725

Ion Ratio Lower Upper

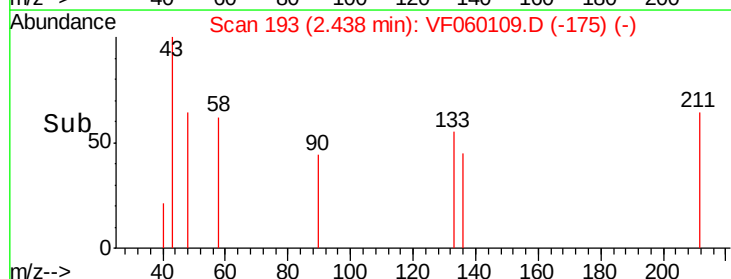
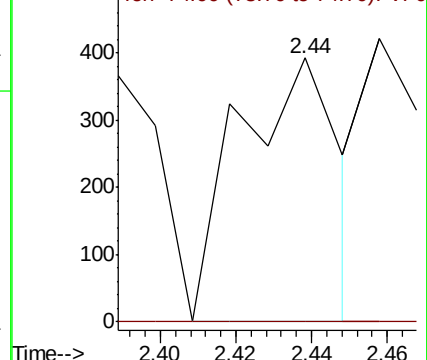
43 100

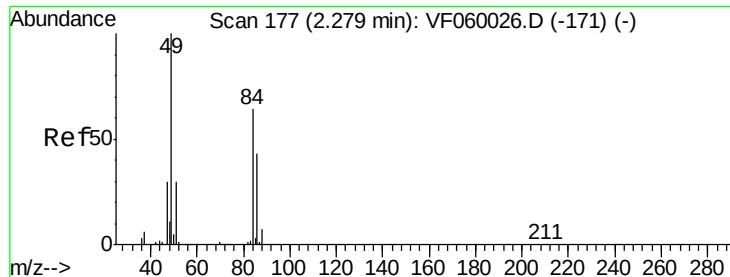
74 0.0 13.8 20.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

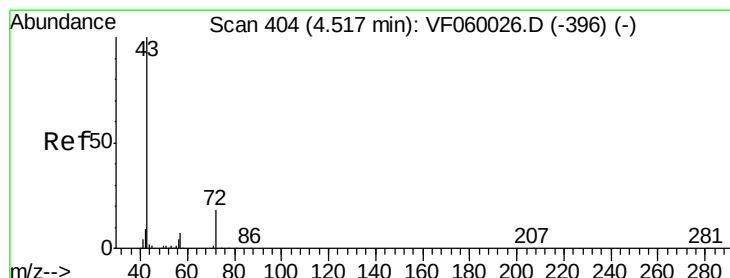
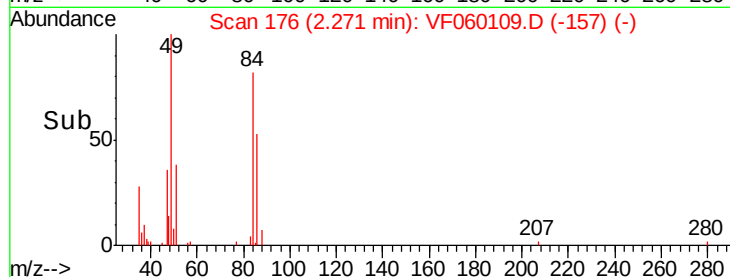
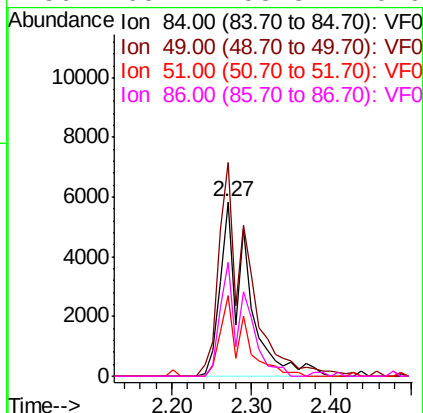
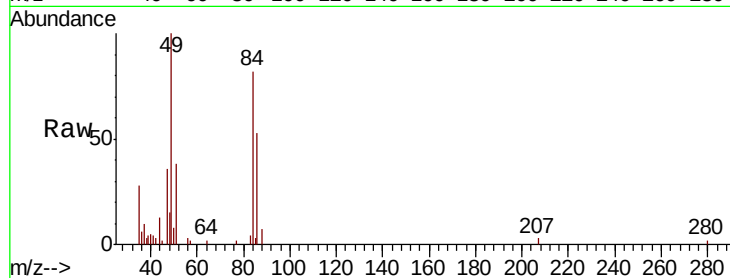




#20
Methylene Chloride
Concen: 7.64 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF060109.D
Acq: 24 Aug 2018 19:31

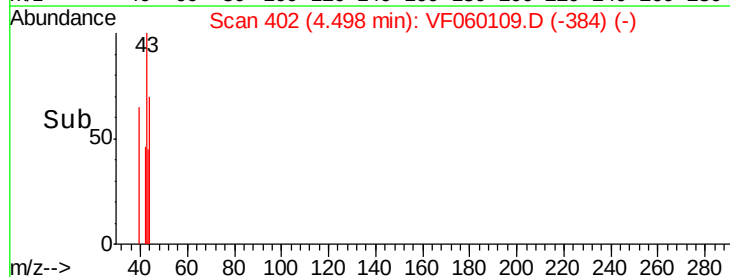
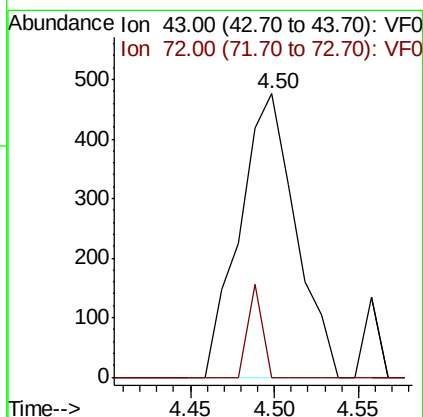
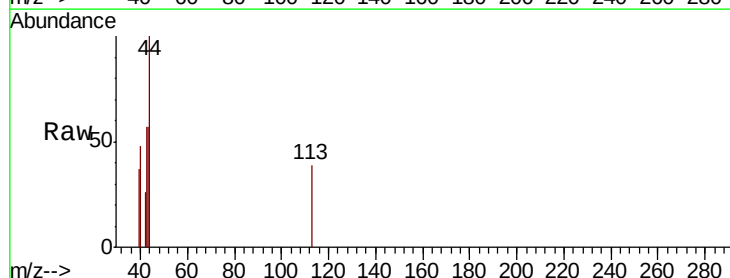
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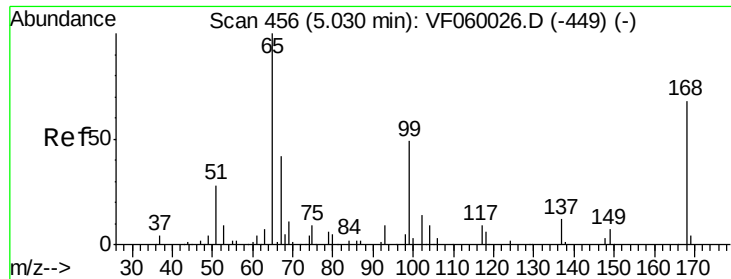
Tot Ion: 84 Resp: 13875
Ion Ratio Lower Upper
84 100
49 122.4 125.4 188.0#
51 46.3 38.3 57.5
86 65.2 53.3 79.9



#25
2-Butanone
Concen: 1.44 ug/l
RT: 4.50 min Scan# 402
Delta R.T. -0.02 min
Lab File: VF060109.D
Acq: 24 Aug 2018 19:31

Tgt Ion: 43 Resp: 1097
Ion Ratio Lower Upper
43 100
72 0.0 15.0 22.6#

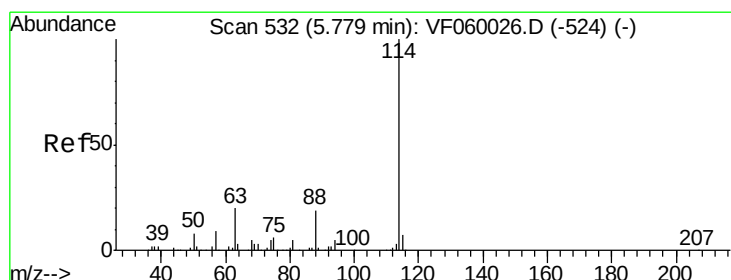
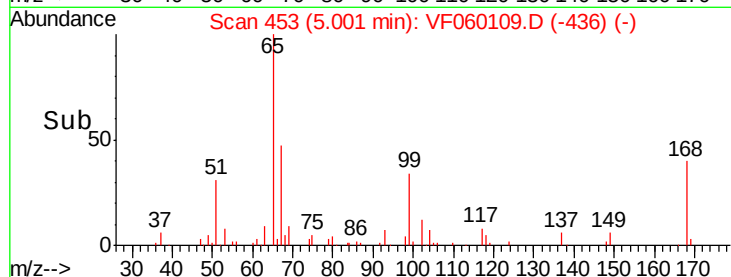
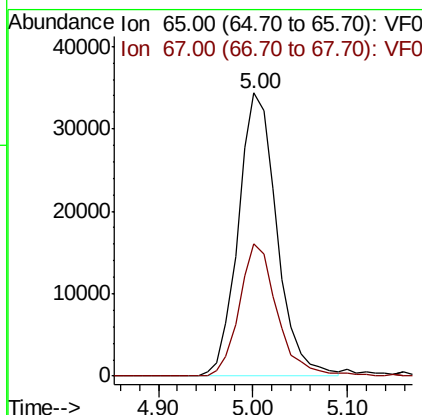
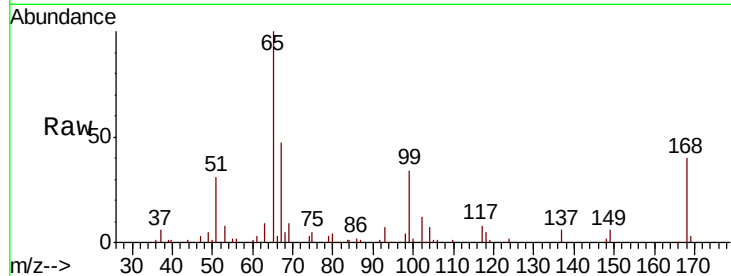




#33
 1,2-Dichloroethane-d4
 Concen: 43.39 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.03 min
 Lab File: VF060109.D
 Acq: 24 Aug 2018 19:31

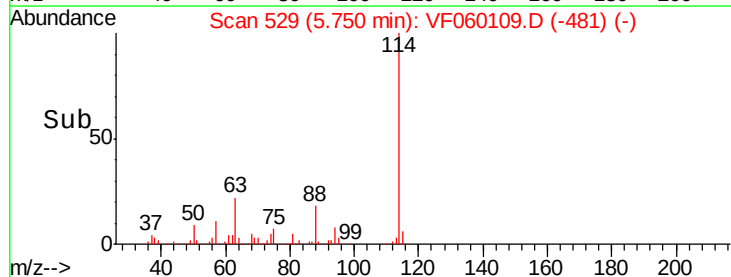
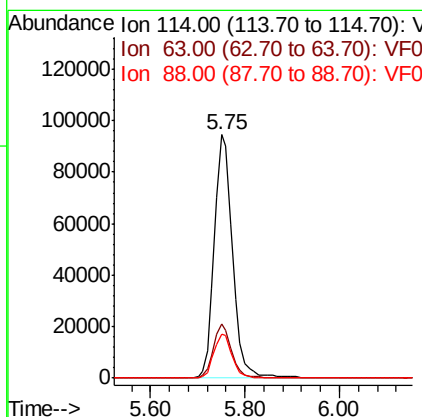
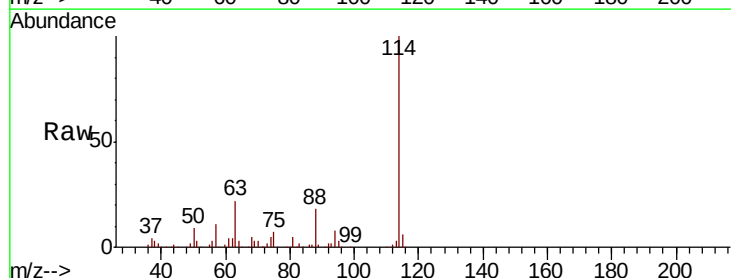
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 SU-02-082318-A

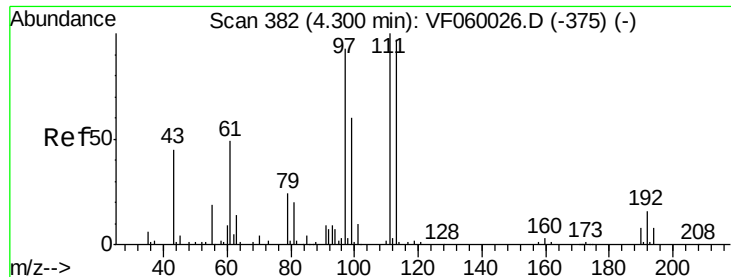
Tot Ion: 65 Resp: 97061
 Ion Ratio Lower Upper
 65 100
 67 46.5 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VF060109.D
 Acq: 24 Aug 2018 19:31

Tgt Ion: 114 Resp: 253650
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 40.4
 88 18.0 0.0 38.6

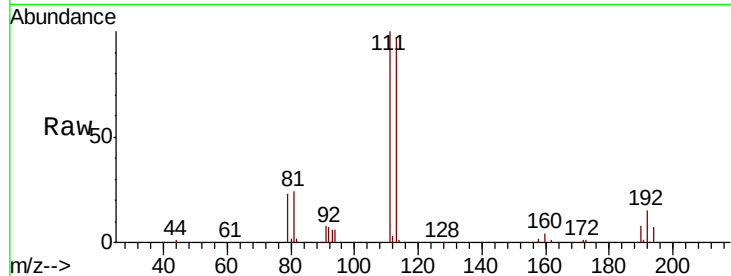




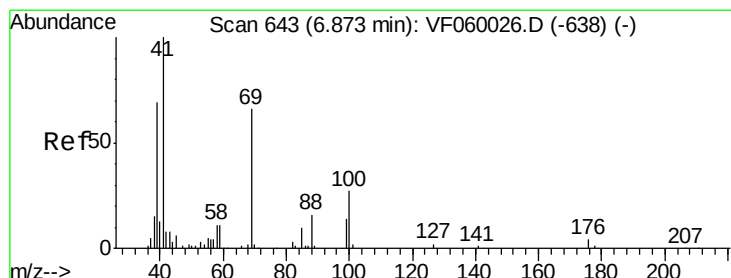
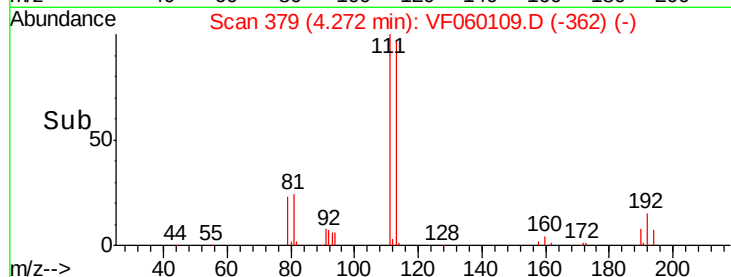
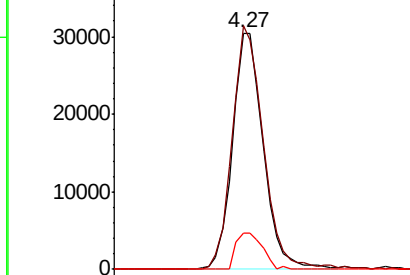
#35
 Dibromofluoromethane
 Concen: 47.52 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. -0.03 min
 Lab File: VF060109.D
 Acq: 24 Aug 2018 19:31

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-A

Tot Ion:113 Resp: 94643
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.7 124.1
 192 15.2 13.0 19.4

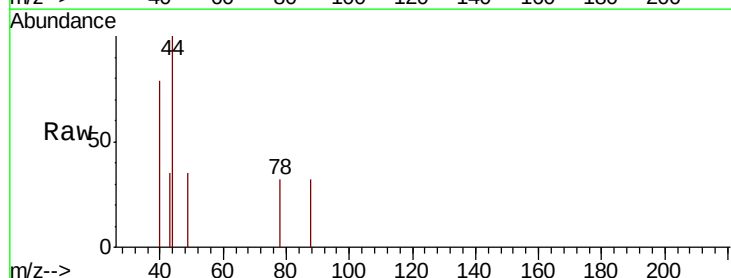


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

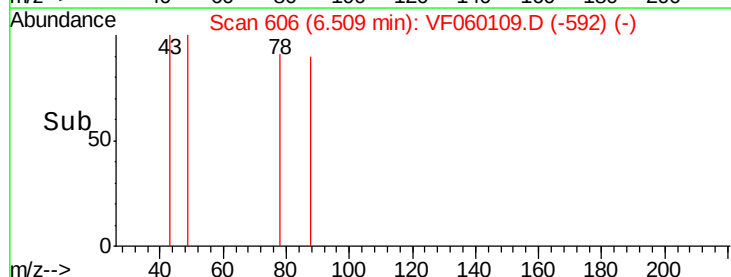
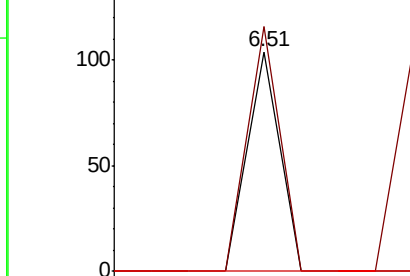


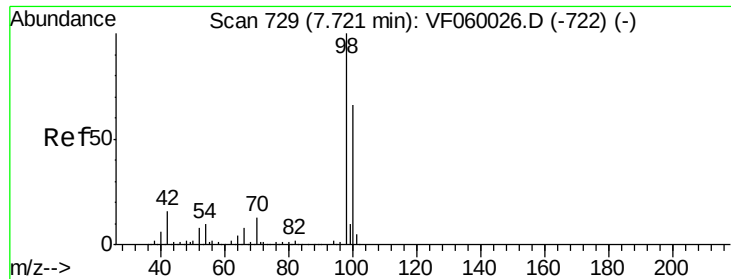
#49
 1,4-Dioxane
 Concen: 5.44 ug/l
 RT: 6.51 min Scan# 606
 Delta R.T. -0.36 min
 Lab File: VF060109.D
 Acq: 24 Aug 2018 19:31

Tgt Ion: 88 Resp: 62
 Ion Ratio Lower Upper
 88 100
 43 111.5 46.5 69.7#
 58 0.0 54.8 82.2#



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

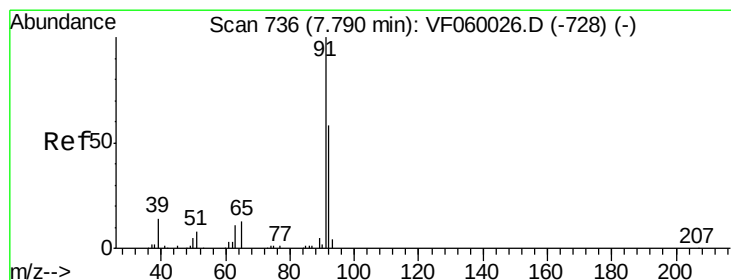
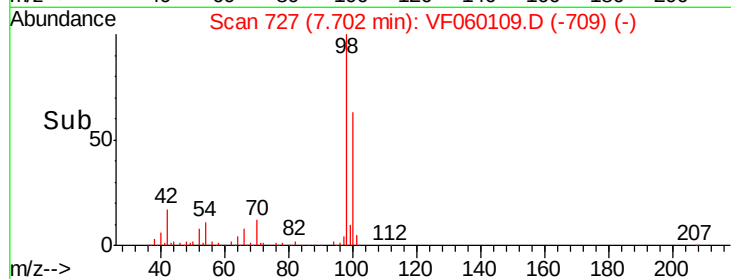
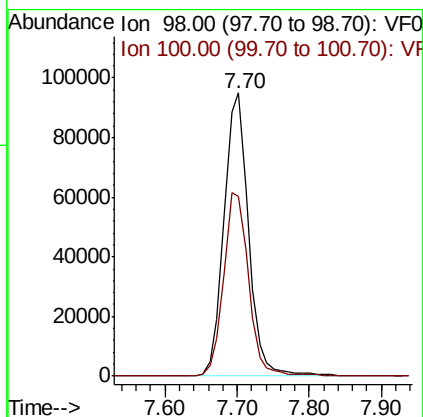
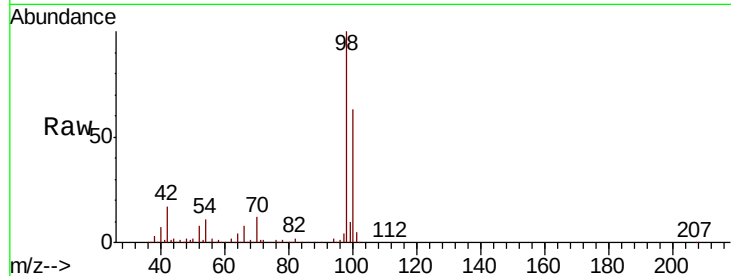




#50
Toluene-d8
Concen: 39.68 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF060109.D
Acq: 24 Aug 2018 19:31

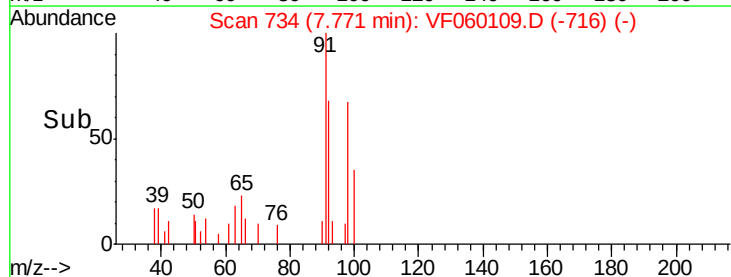
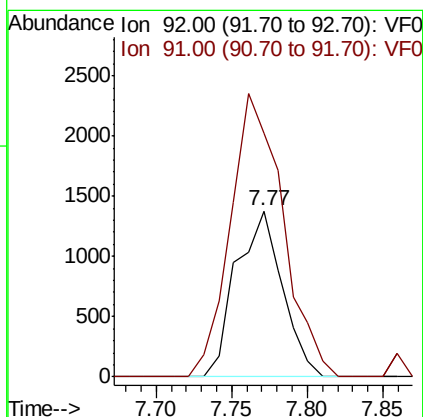
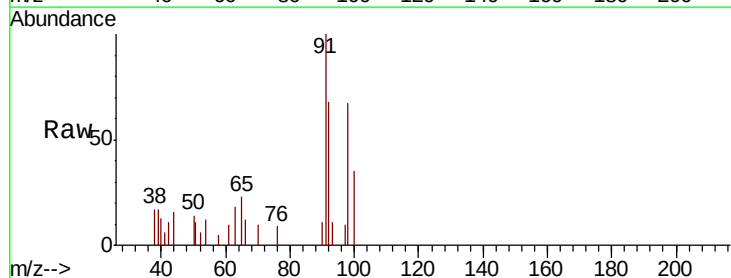
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-A

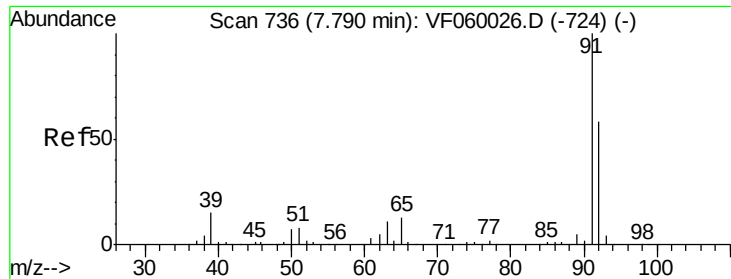
Tot Ion: 98 Resp: 224460
Ion Ratio Lower Upper
98 100
100 63.5 53.2 79.8



#52
Toluene
Concen: Below Cal
RT: 7.77 min Scan# 734
Delta R.T. -0.02 min
Lab File: VF060109.D
Acq: 24 Aug 2018 19:31

Tgt Ion: 92 Resp: 2936
Ion Ratio Lower Upper
92 100
91 146.9 137.7 206.5

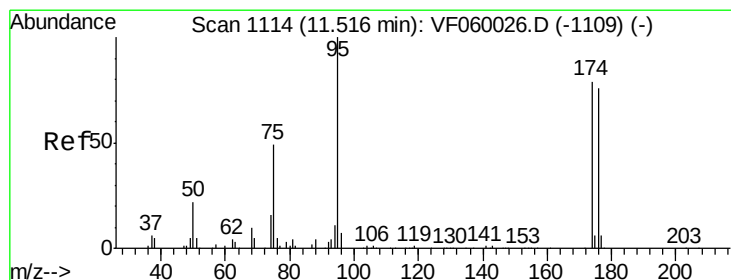
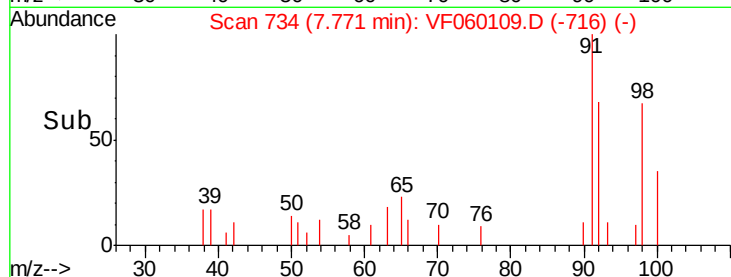
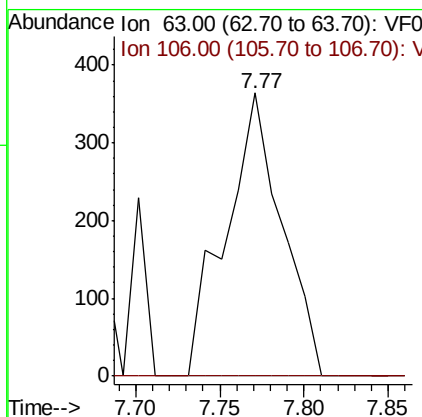
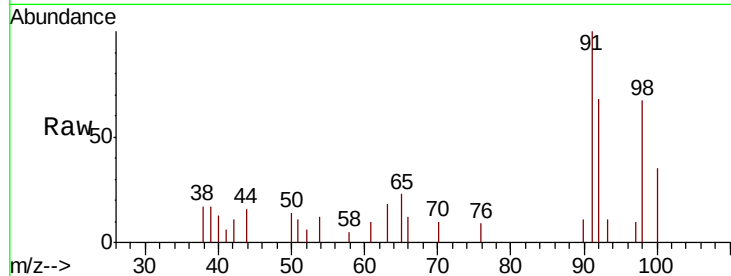




#58
 2-Chloroethyl Vinyl ether
 Concen: 6.24 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.02 min
 Lab File: VF060109.D
 Acq: 24 Aug 2018 19:31

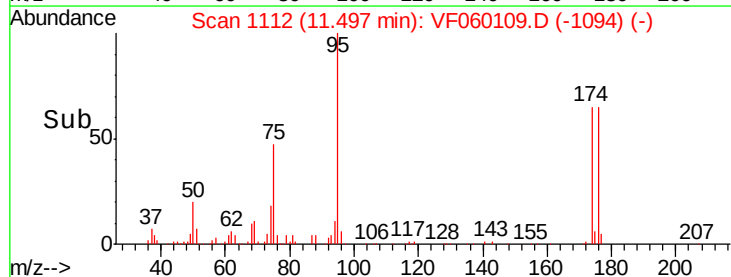
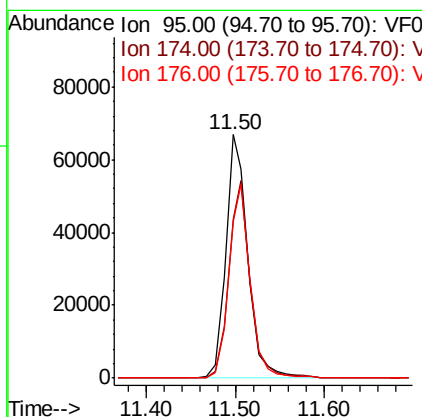
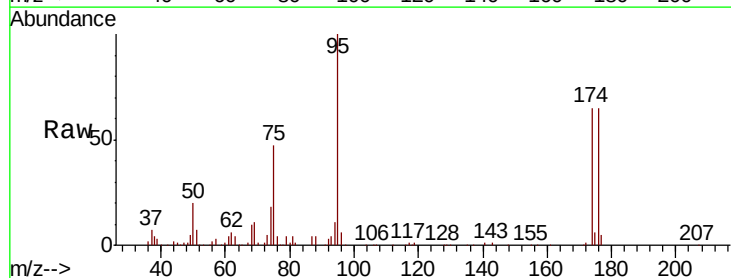
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-A

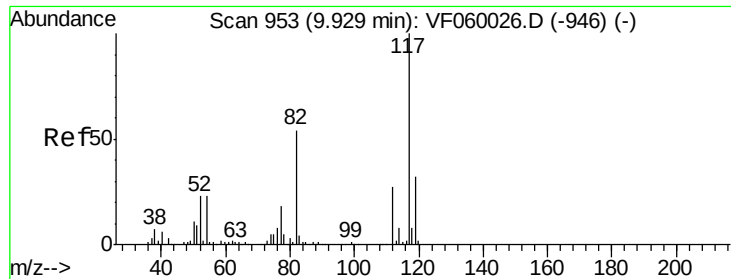
Tot Ion: 63 Resp: 843
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 38.97 ug/l
 RT: 11.50 min Scan# 1112
 Delta R.T. -0.02 min
 Lab File: VF060109.D
 Acq: 24 Aug 2018 19:31

Tgt Ion: 95 Resp: 116616
 Ion Ratio Lower Upper
 95 100
 174 65.2 0.0 158.4
 176 64.5 0.0 153.0

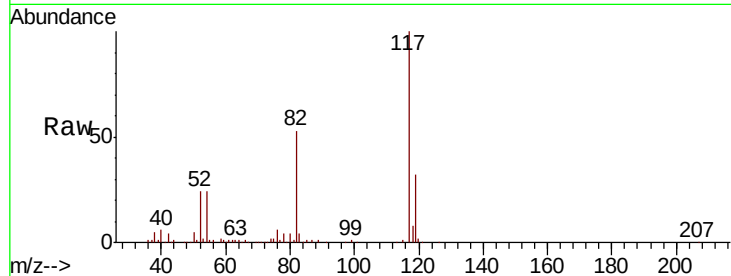




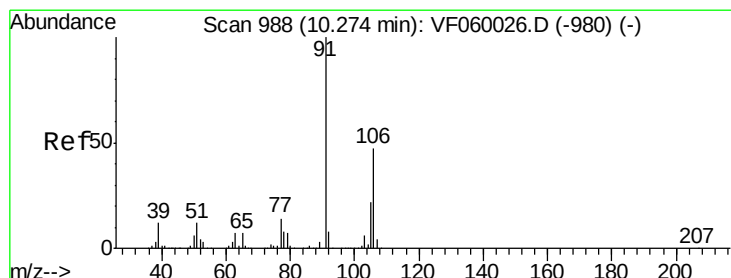
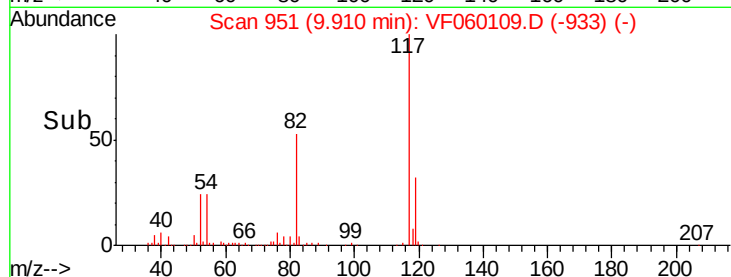
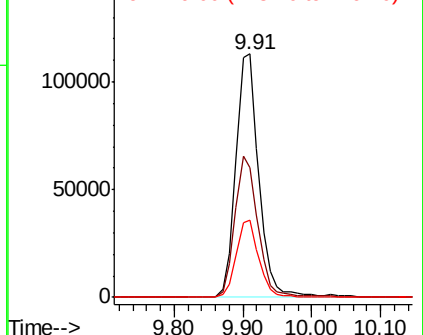
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060109.D
Acq: 24 Aug 2018 19:31

Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-A

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.6	65.4
119	31.7	25.6	38.4

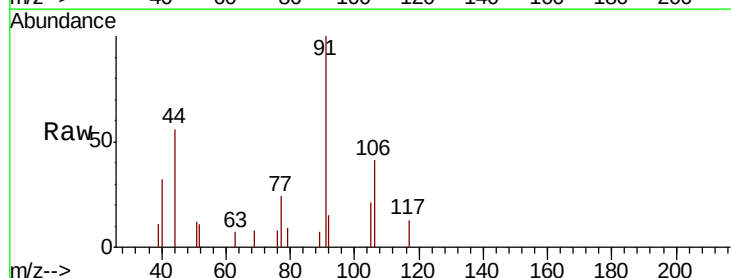


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

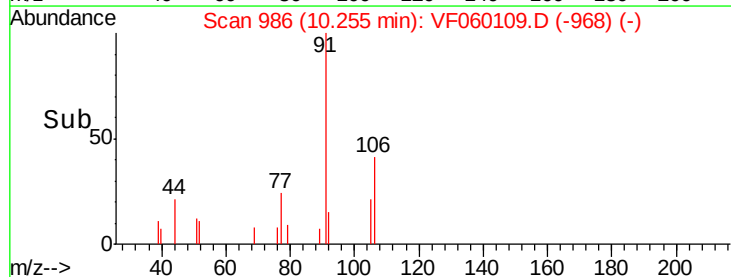
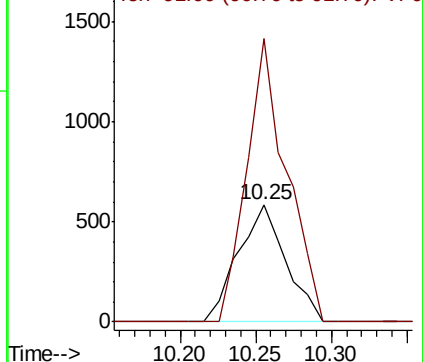


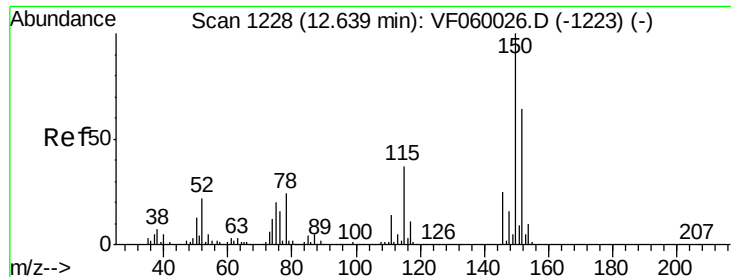
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.25 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF060109.D
Acq: 24 Aug 2018 19:31

Tgt Ion	Ratio	Lower	Upper
106	100		
91	241.3	171.8	257.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.02 min

Lab File: VF060109.D

Acq: 24 Aug 2018 19:31

Instrument :

MSVOA_F

ClientSampleId :

SU-02-082318-A

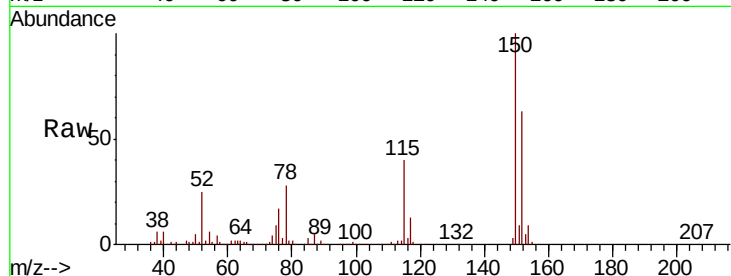
Tot Ion:152 Resp: 136932

Ion Ratio Lower Upper

152 100

115 63.4 28.6 85.9

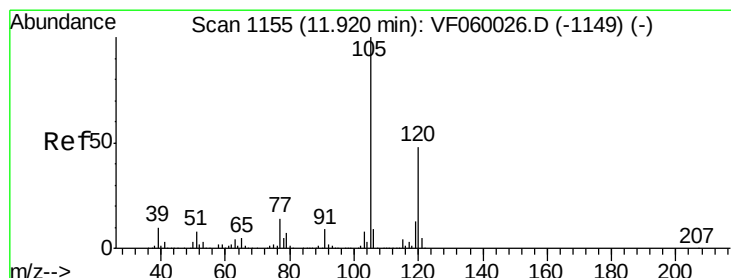
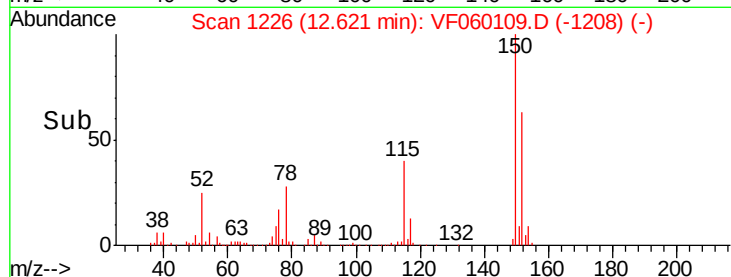
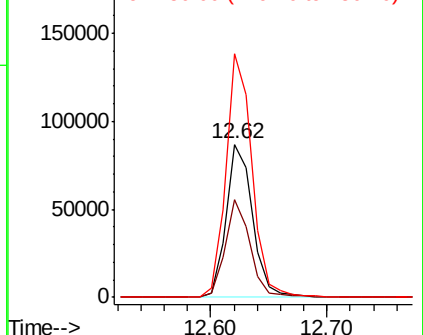
150 159.0 0.0 312.0



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



#80

1,3,5-Trimethylbenzene

Concen: 1.07 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.02 min

Lab File: VF060109.D

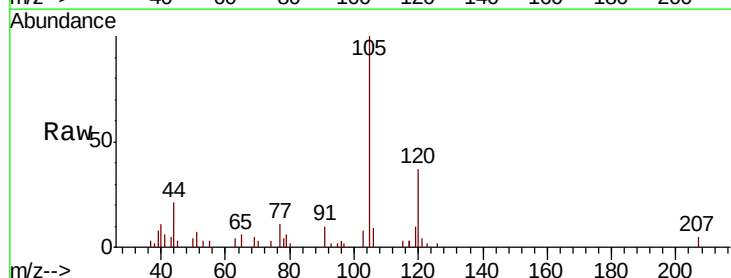
Acq: 24 Aug 2018 19:31

Tgt Ion:105 Resp: 7688

Ion Ratio Lower Upper

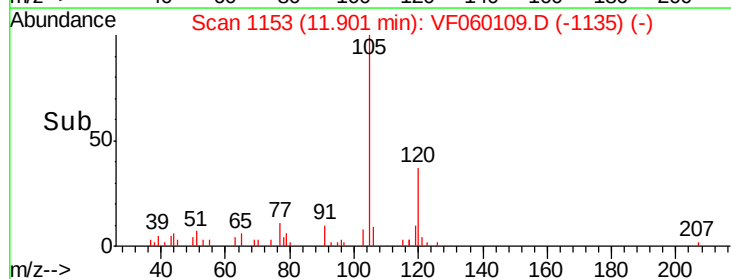
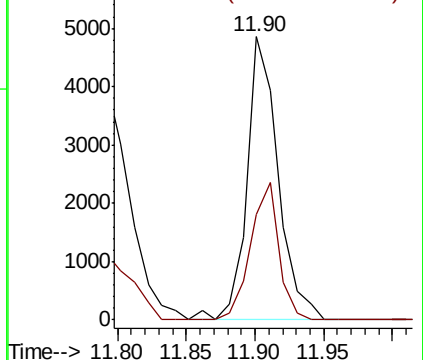
105 100

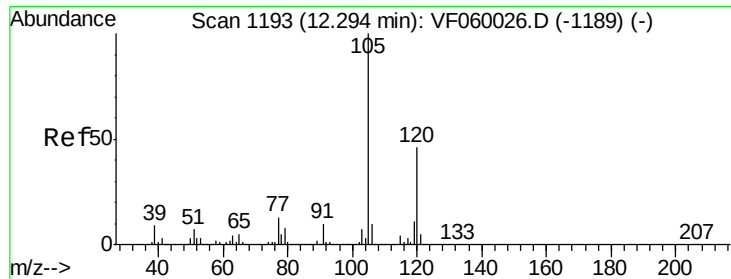
120 37.3 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

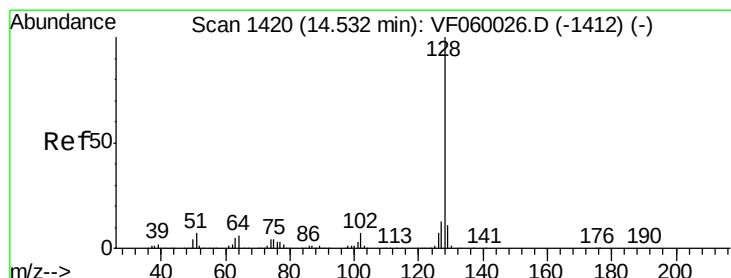
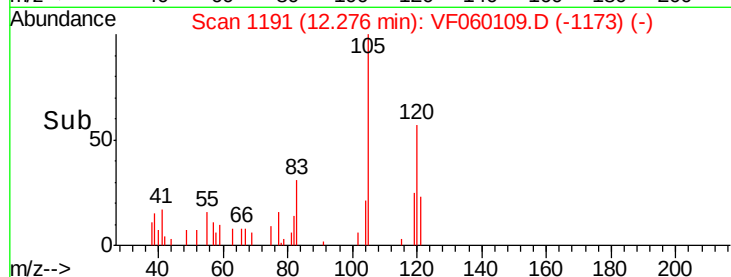
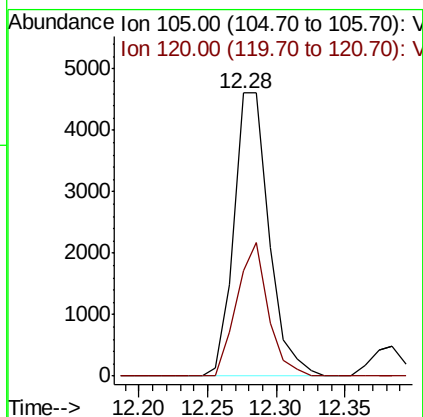
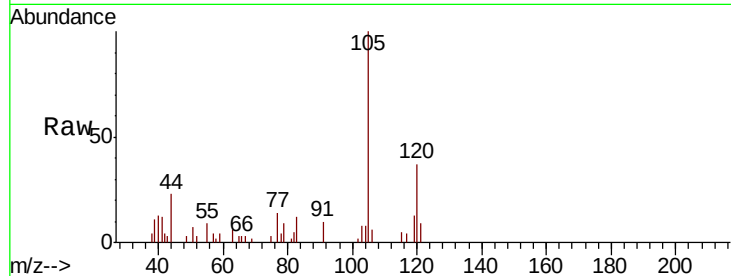




#84
 1,2,4-Trimethylbenzene
 Concen: 1.08 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: VF060109.D
 Acq: 24 Aug 2018 19:31

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-A

Tot Ion:105 Resp: 8216
 Ion Ratio Lower Upper
 105 100
 120 37.0 23.3 69.8



#95
 Naphthalene
 Concen: 3.45 ug/l
 RT: 14.51 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: VF060109.D
 Acq: 24 Aug 2018 19:31

Tgt Ion:128 Resp: 6226
 Ion Ratio Lower Upper
 128 100
 127 11.7 10.4 15.6
 129 16.2 8.5 12.7#

