

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082718\
 Data File : VF060139.D
 Acq On : 27 Aug 2018 21:49
 Operator : VA/AP
 Sample : J4648-04
 Misc : 6.50g/5mL/MSVOA_F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2-@-8-FT

Quant Time: Aug 28 01:15:22 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

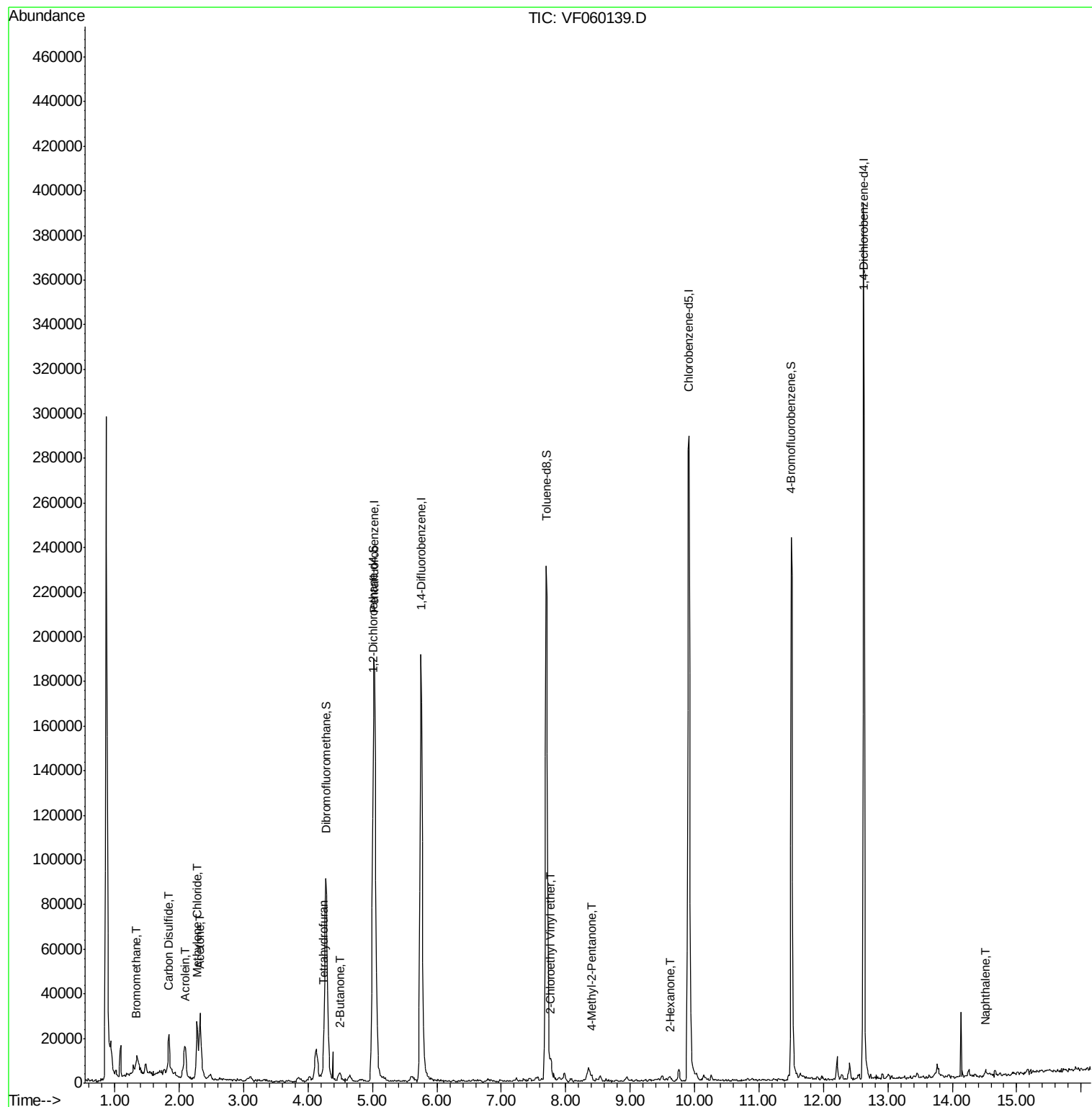
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	140818	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	195794	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	212515	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	94451	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	81898	42.49	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	84.98%	
35) Dibromofluoromethane	4.28	113	80304	52.23	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.46%	
50) Toluene-d8	7.70	98	191595	43.88	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	87.76%	
62) 4-Bromofluorobenzene	11.50	95	86939	37.64	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	75.28%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.08	50	1254	Below Cal		96
5) Bromomethane	1.32	94	1833	2.096 ug/l #		46
13) Acrolein	2.10	56	283	30.366 ug/l #		1
16) Acetone	2.32	43	38763	76.528 ug/l		96
17) Carbon Disulfide	1.84	76	21567	7.695 ug/l		99
18) Methyl Acetate	2.43	43	1534	Below Cal #		60
20) Methylene Chloride	2.27	84	14349	10.316 ug/l		92
25) 2-Butanone	4.50	43	7152	10.870 ug/l		97
29) Tetrahydrofuran	4.24	42	735	2.959 ug/l #		46
51) 4-Methyl-2-Pentanone	8.41	43	1269	1.061 ug/l #		39
52) Toluene	7.77	92	2845	Below Cal		80
58) 2-Chloroethyl Vinyl ether	7.76	63	734	7.044 ug/l		100
59) 2-Hexanone	9.63	43	1140	1.178 ug/l		85
68) m/p-Xylenes	10.26	106	553	Below Cal		91
95) Naphthalene	14.52	128	1771	2.767 ug/l #		87

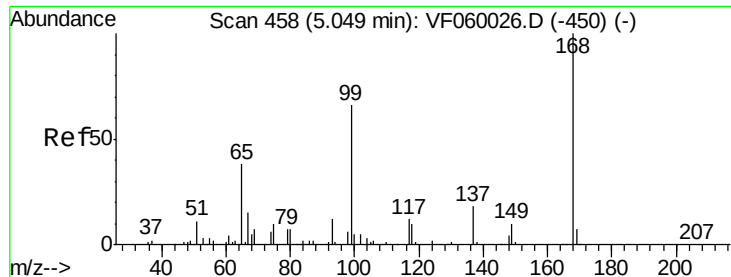
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF060139.D

Acq: 27 Aug 2018 21:49

Instrument :

MSVOA_F

ClientSampleId :

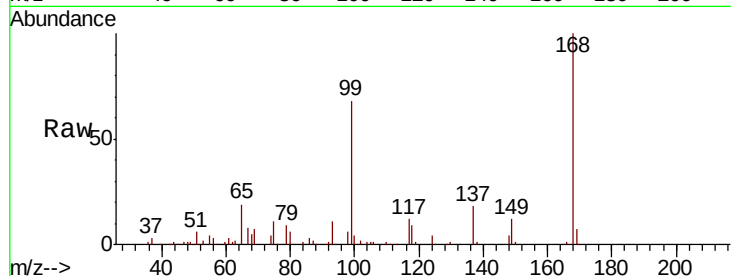
SB-2-@-8-FT

Tgt Ion:168 Resp: 140818

Ion Ratio Lower Upper

168 100

99 67.8 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

40000

30000

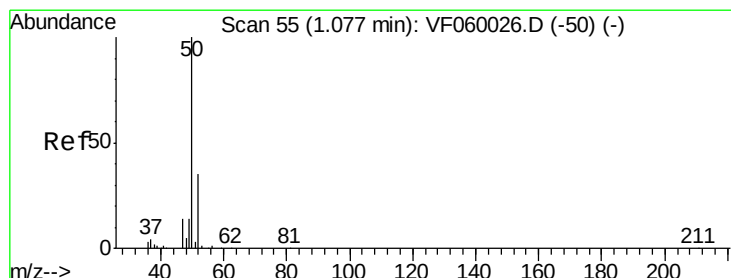
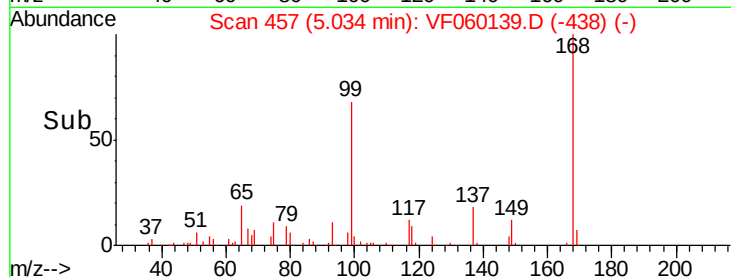
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060139.D

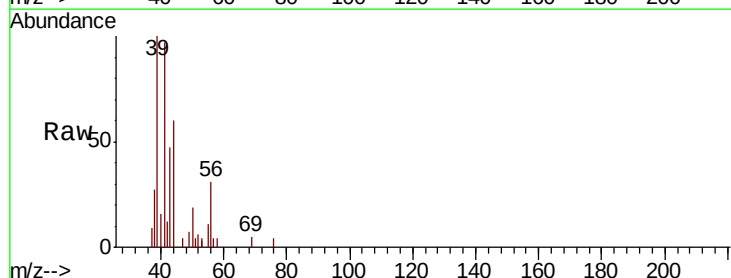
Acq: 27 Aug 2018 21:49

Tgt Ion: 50 Resp: 1254

Ion Ratio Lower Upper

50 100

52 32.2 27.6 41.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

600

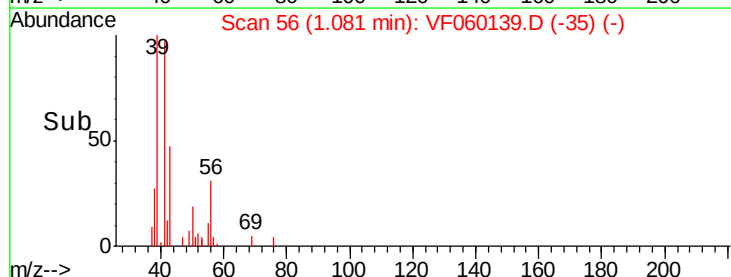
400

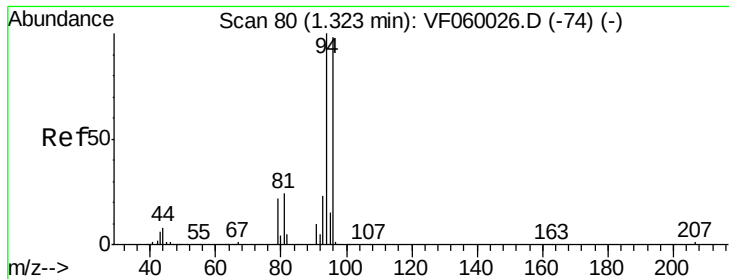
200

0

1.00 1.05 1.10

Time-->





#5

Bromomethane

Concen: 2.096 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060139.D

Acq: 27 Aug 2018 21:49

Instrument :

MSVOA_F

ClientSampleId :

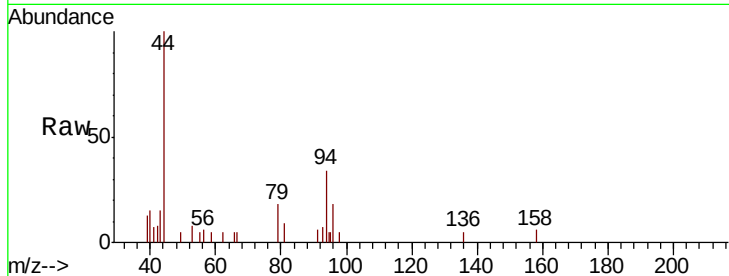
SB-2-@-8-FT

Tgt Ion: 94 Resp: 1833

Ion Ratio Lower Upper

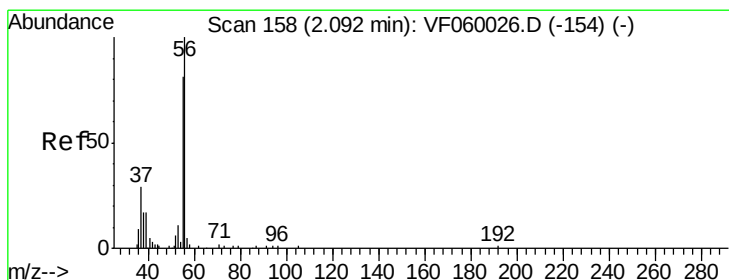
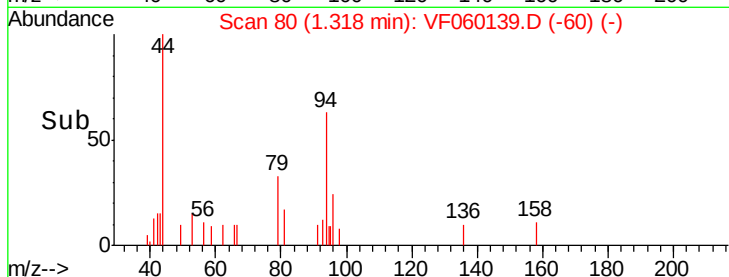
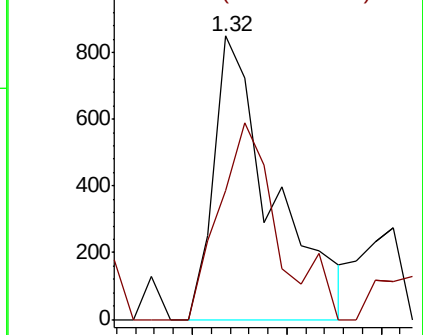
94 100

96 45.2 78.6 118.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#13

Acrolein

Concen: 30.366 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF060139.D

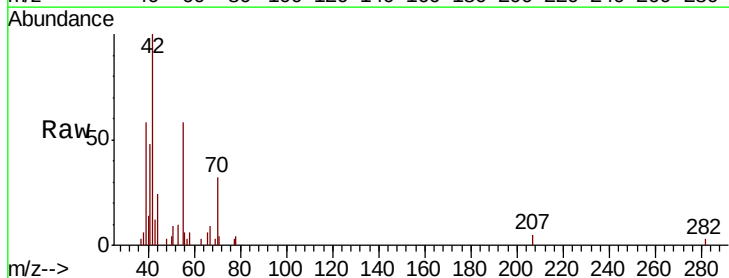
Acq: 27 Aug 2018 21:49

Tgt Ion: 56 Resp: 283

Ion Ratio Lower Upper

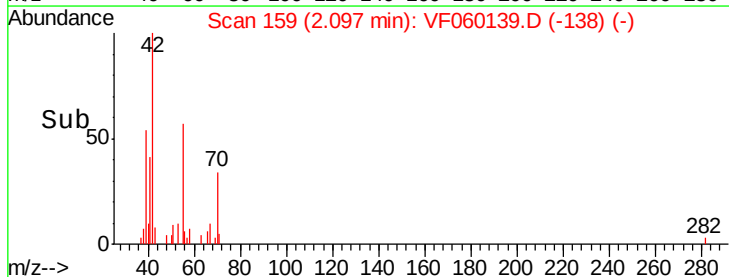
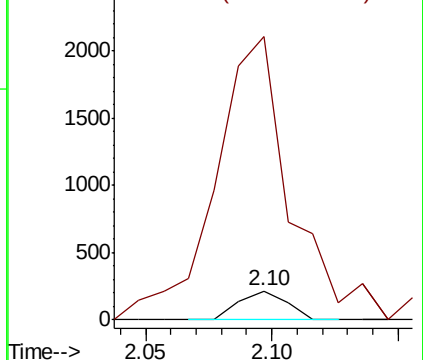
56 100

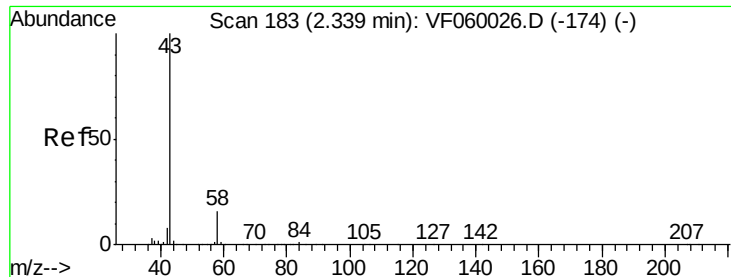
55 978.6 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

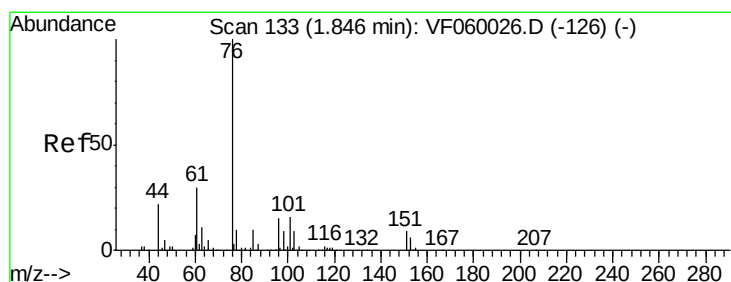
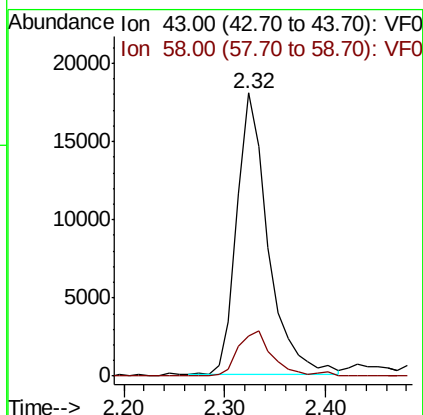
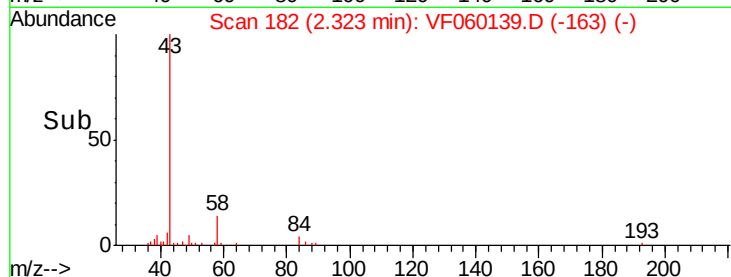
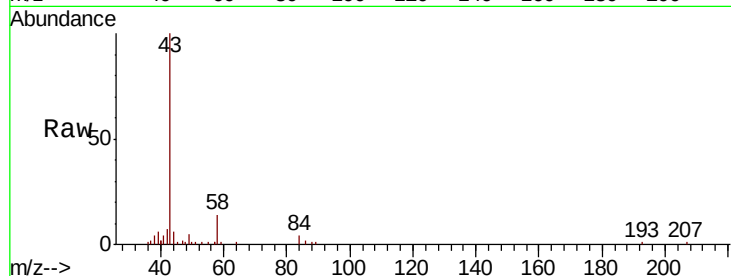




#16
Acetone
Concen: 76.528 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF060139.D
Acq: 27 Aug 2018 21:49

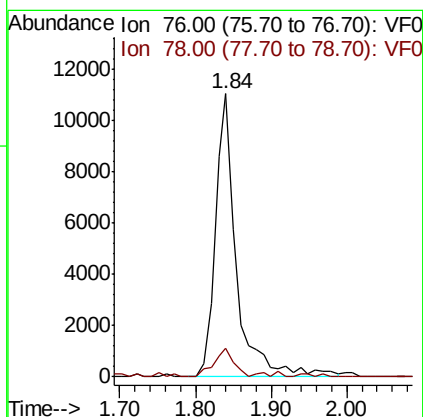
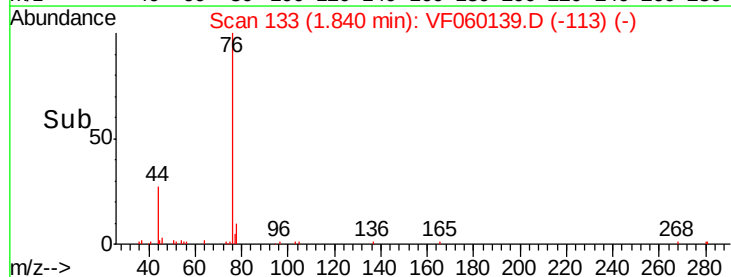
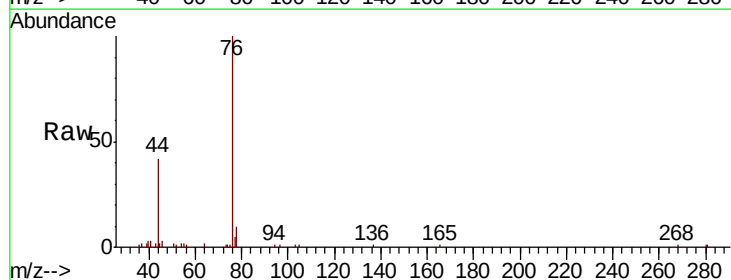
Instrument :
MSVOA_F
ClientSampleId :
SB-2-@-8-FT

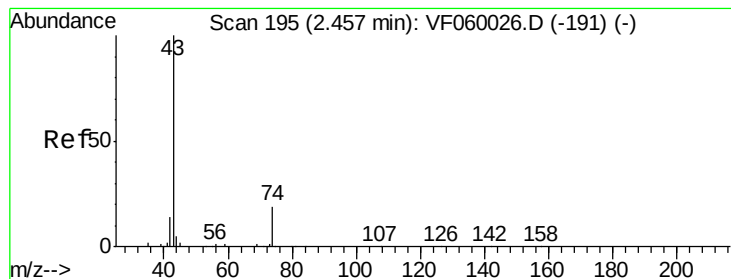
Tgt Ion: 43 Resp: 38763
Ion Ratio Lower Upper
43 100
58 14.0 12.6 19.0



#17
Carbon Disulfide
Concen: 7.695 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF060139.D
Acq: 27 Aug 2018 21:49

Tgt Ion: 76 Resp: 21567
Ion Ratio Lower Upper
76 100
78 10.3 8.4 12.6





#18

Methyl Acetate

Concen: Below Cal

RT: 2.43 min Scan# 193

Delta R.T. -0.02 min

Lab File: VF060139.D

Acq: 27 Aug 2018 21:49

Instrument :

MSVOA_F

ClientSampleId :

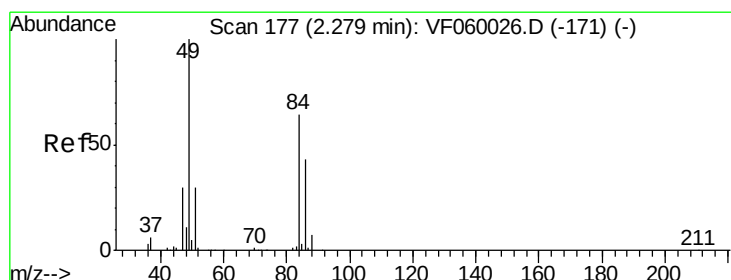
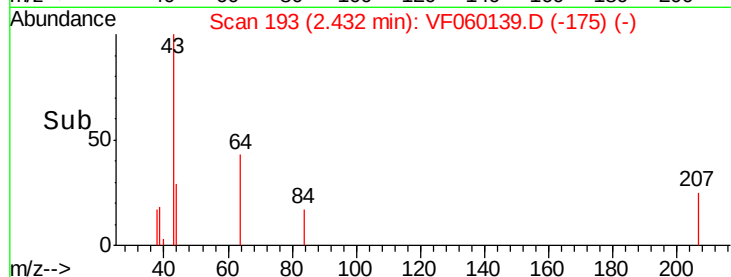
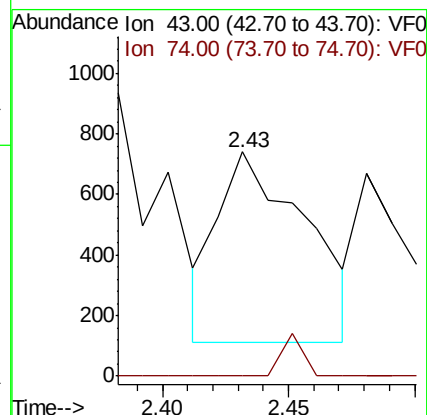
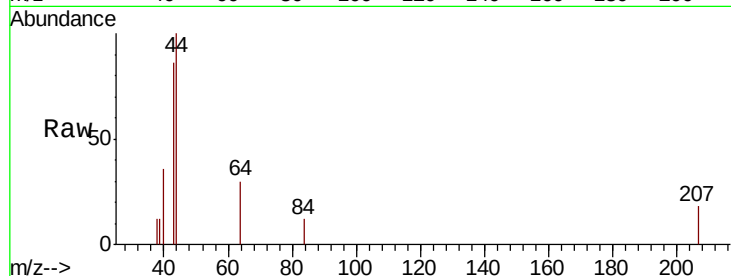
SB-2-@-8-FT

Tgt Ion: 43 Resp: 1534

Ion Ratio Lower Upper

43 100

74 0.0 13.8 20.6#



#20

Methylene Chloride

Concen: 10.316 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.00 min

Lab File: VF060139.D

Acq: 27 Aug 2018 21:49

Tgt Ion: 84 Resp: 14349

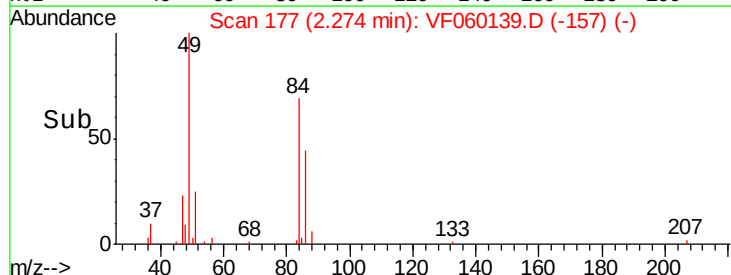
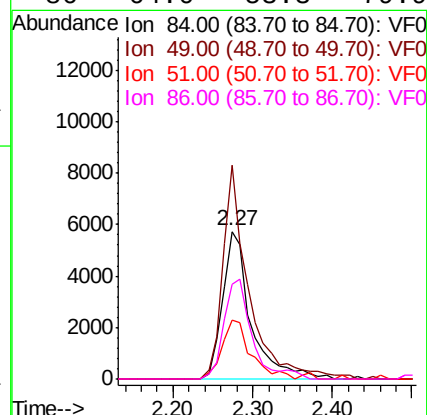
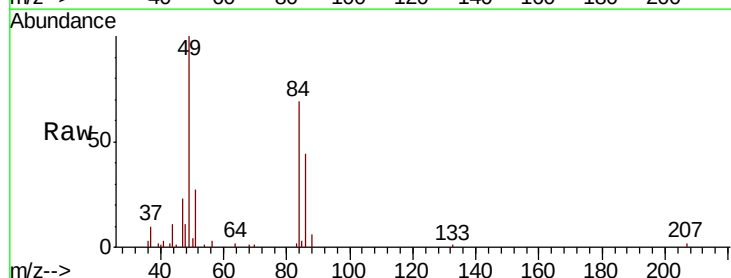
Ion Ratio Lower Upper

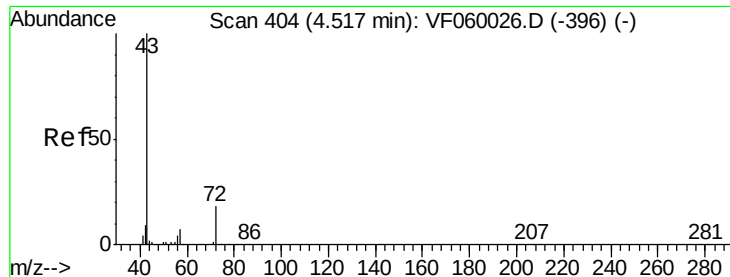
84 100

49 144.9 125.4 188.0

51 39.8 38.3 57.5

86 64.0 53.3 79.9





#25

2-Butanone

Concen: 10.870 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.02 min

Lab File: VF060139.D

Acq: 27 Aug 2018 21:49

Instrument :

MSVOA_F

ClientSampleId :

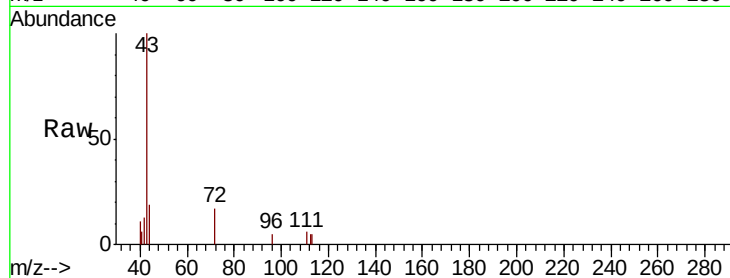
SB-2-@-8-FT

Tgt Ion: 43 Resp: 7152

Ion Ratio Lower Upper

43 100

72 17.4 15.0 22.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.50

2500

2000

1500

1000

500

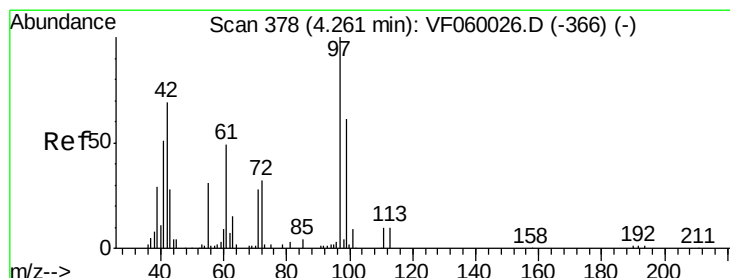
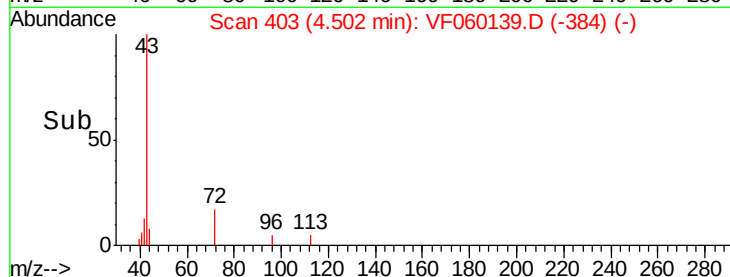
0

4.40

4.50

4.60

Time-->



#29

Tetrahydrofuran

Concen: 2.959 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF060139.D

Acq: 27 Aug 2018 21:49

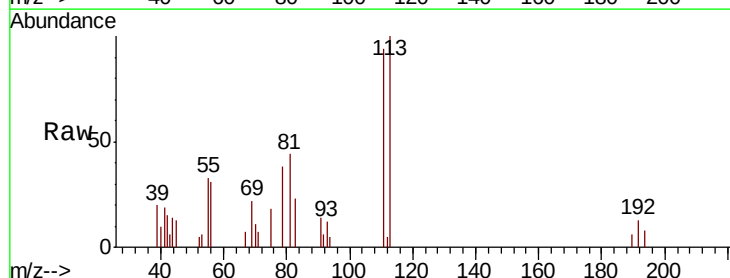
Tgt Ion: 42 Resp: 735

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.2#

71 10.9 29.7 44.5#



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

400

300

200

100

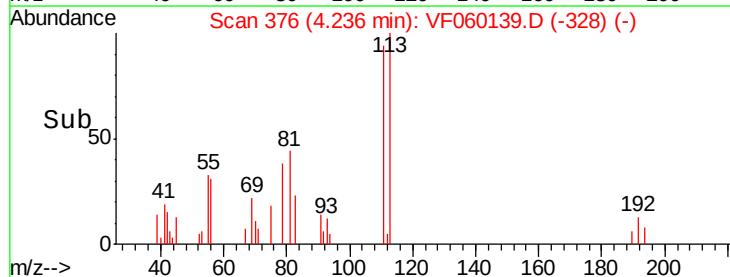
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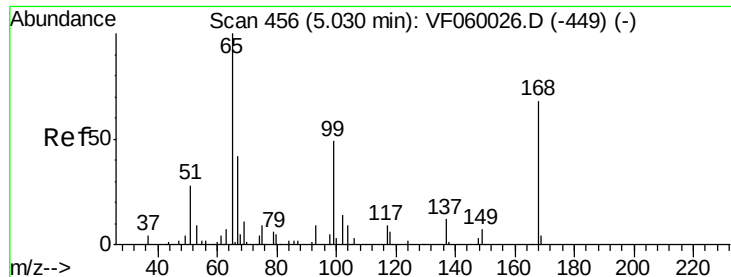
4.15

4.20

4.25

Time-->

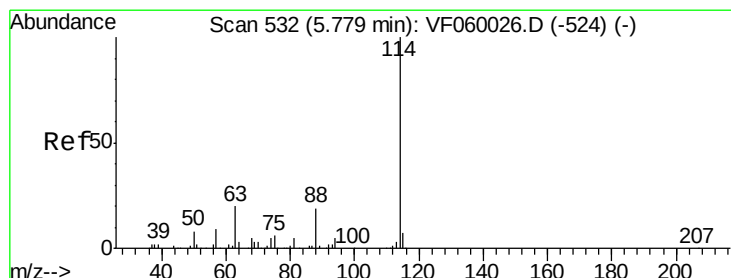
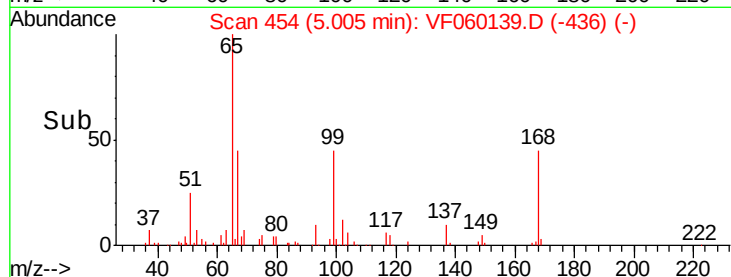
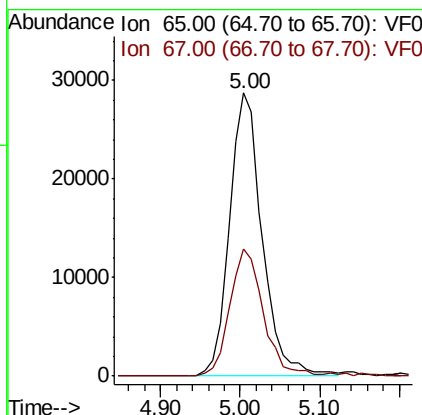
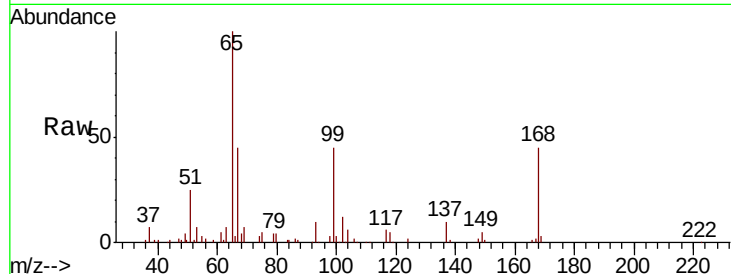




#33
 1,2-Dichloroethane-d4
 Concen: 42.494 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: VF060139.D
 Acq: 27 Aug 2018 21:49

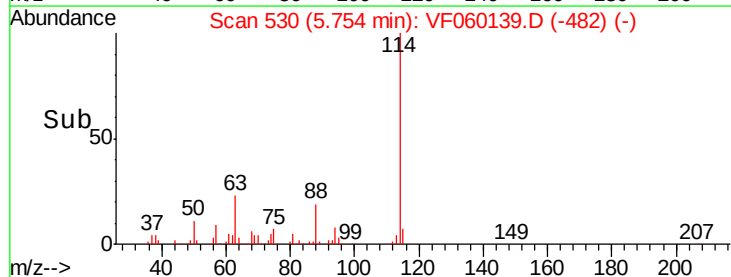
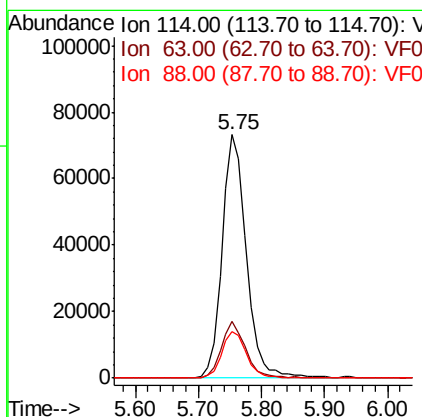
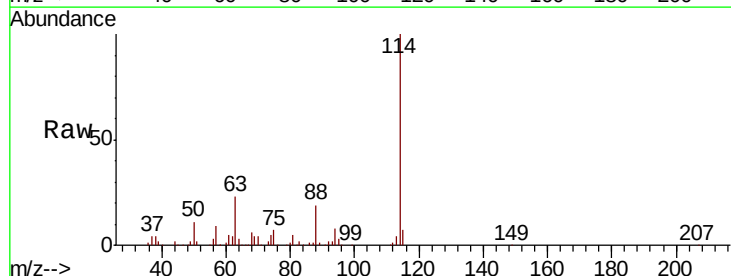
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 MSVOA_F
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 SB-2-@-8-FT

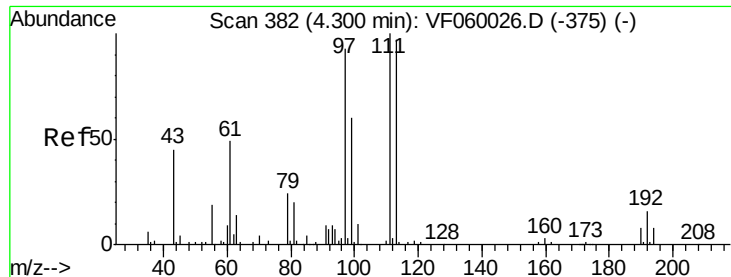
Tgt Ion: 65 Resp: 81898
 Ion Ratio Lower Upper
 65 100
 67 45.1 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF060139.D
 Acq: 27 Aug 2018 21:49

Tgt Ion: 114 Resp: 195794
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 40.4
 88 19.1 0.0 38.6

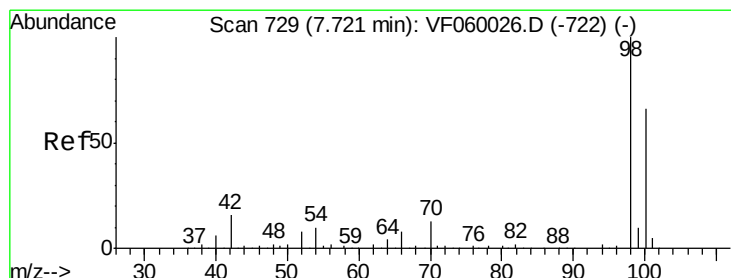
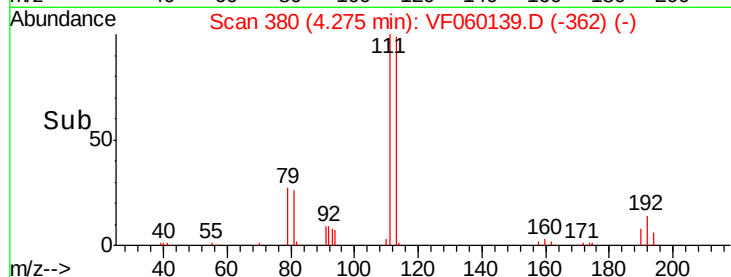
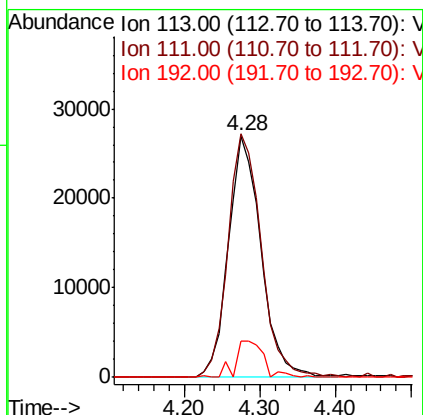
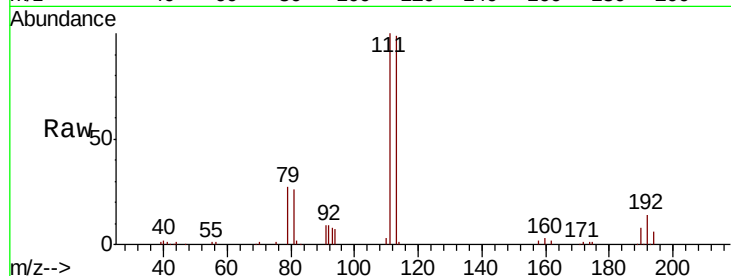




#35
 Dibromofluoromethane
 Concen: 52.231 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.03 min
 Lab File: VF060139.D
 Acq: 27 Aug 2018 21:49

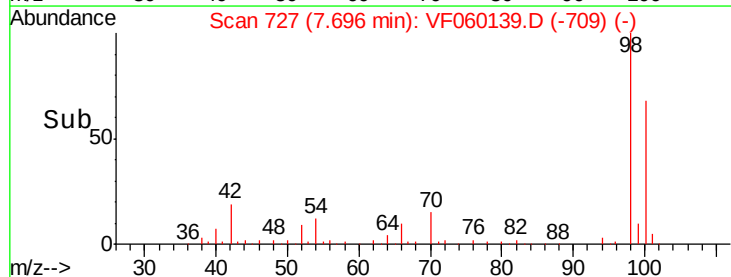
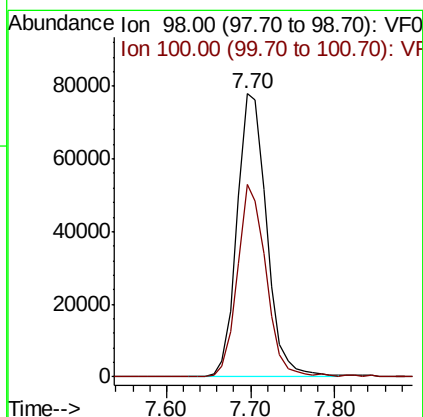
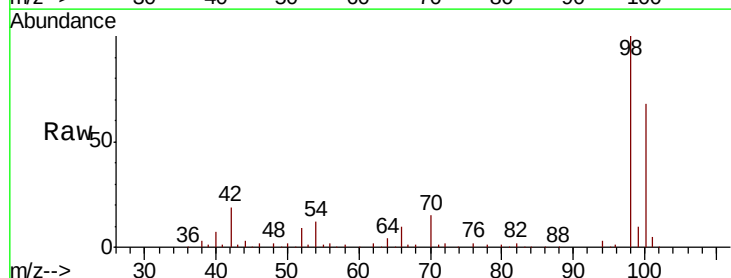
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2-@-8-FT

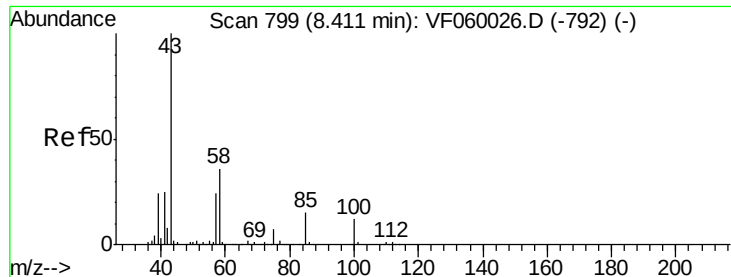
Tgt Ion:113 Resp: 80304
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.7 124.1
 192 14.9 13.0 19.4



#50
 Toluene-d8
 Concen: 43.879 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.03 min
 Lab File: VF060139.D
 Acq: 27 Aug 2018 21:49

Tgt Ion: 98 Resp: 191595
 Ion Ratio Lower Upper
 98 100
 100 68.2 53.2 79.8

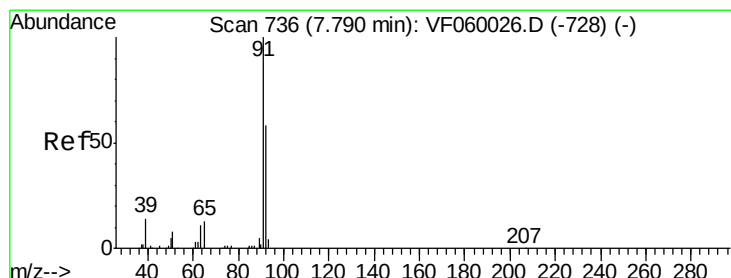
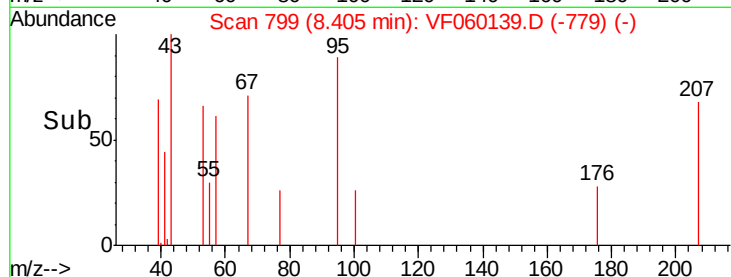
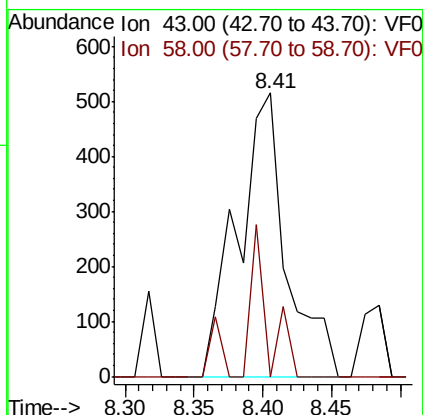
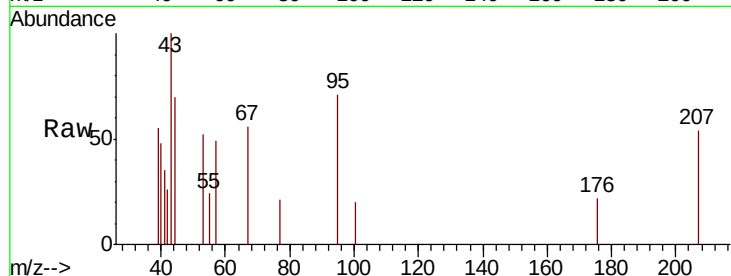




#51
 4-Methyl-2-Pentanone
 Concen: 1.061 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: VF060139.D
 Acq: 27 Aug 2018 21:49

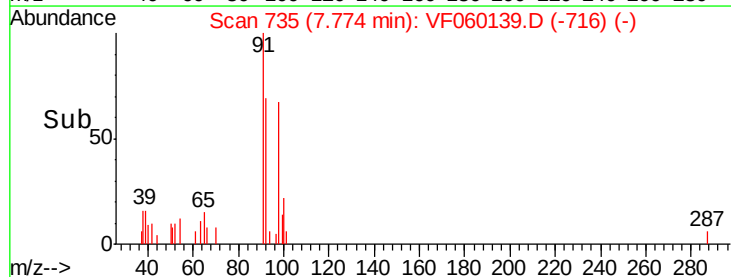
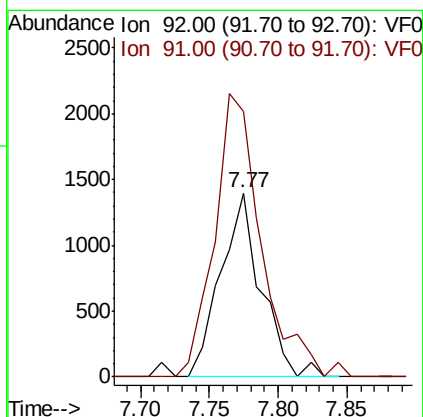
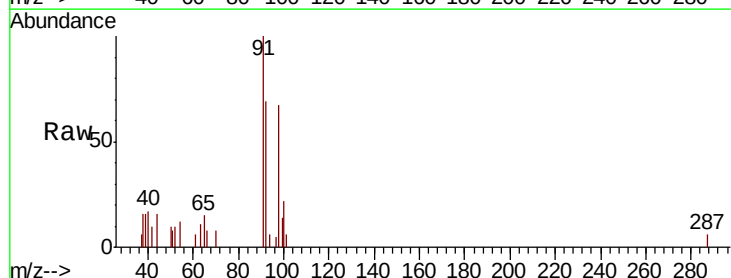
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2-@-8-FT

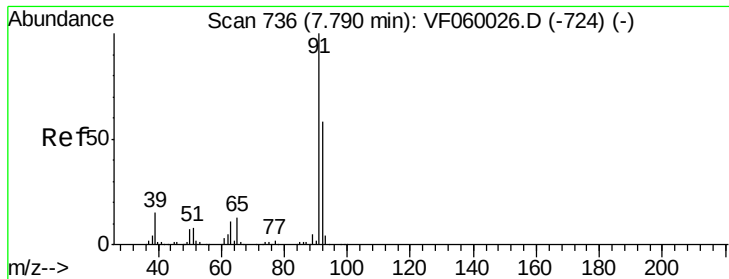
Tgt Ion: 43 Resp: 1269
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.6 42.8#



#52
 Toluene
 Concen: Below Cal
 RT: 7.77 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VF060139.D
 Acq: 27 Aug 2018 21:49

Tgt Ion: 92 Resp: 2845
 Ion Ratio Lower Upper
 92 100
 91 144.6 137.7 206.5





#58

2-Chloroethyl Vinyl ether

Concen: 7.044 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF060139.D

Acq: 27 Aug 2018 21:49

Instrument :

MSVOA_F

ClientSampleId :

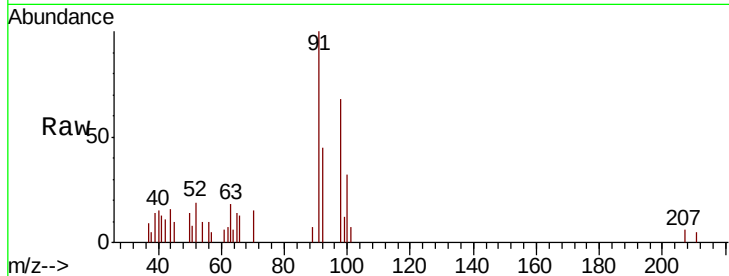
SB-2-@-8-FT

Tgt Ion: 63 Resp: 734

Ion Ratio Lower Upper

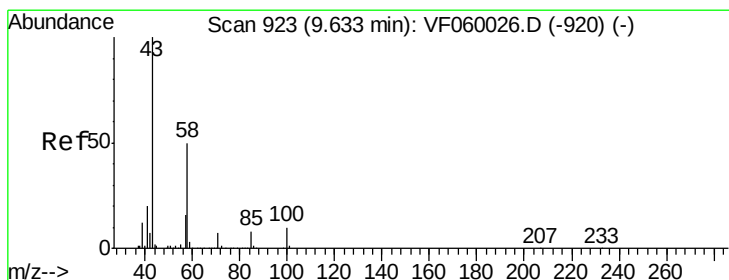
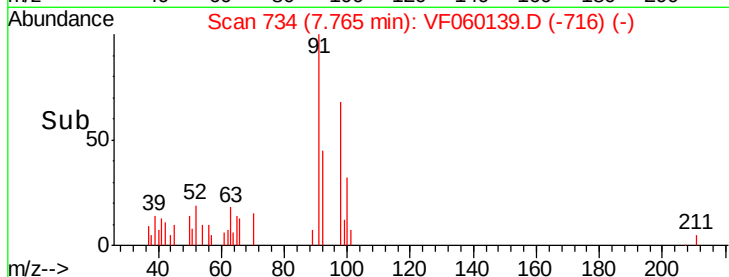
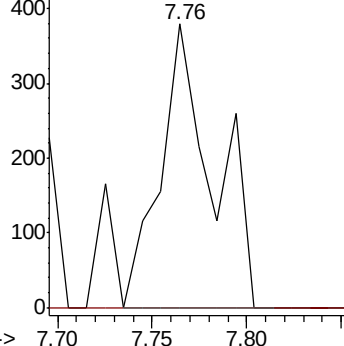
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#59

2-Hexanone

Concen: 1.178 ug/l

RT: 9.63 min Scan# 923

Delta R.T. -0.01 min

Lab File: VF060139.D

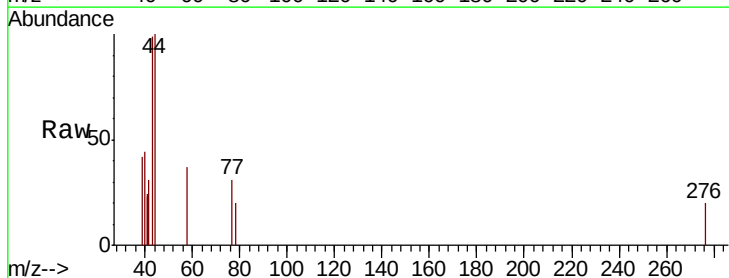
Acq: 27 Aug 2018 21:49

Tgt Ion: 43 Resp: 1140

Ion Ratio Lower Upper

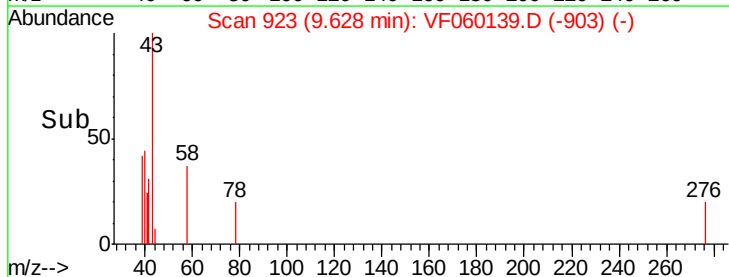
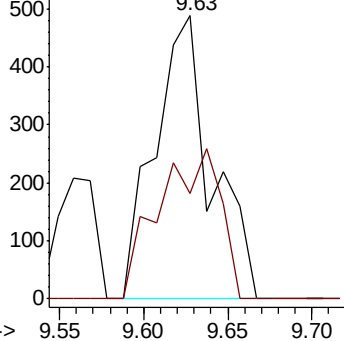
43 100

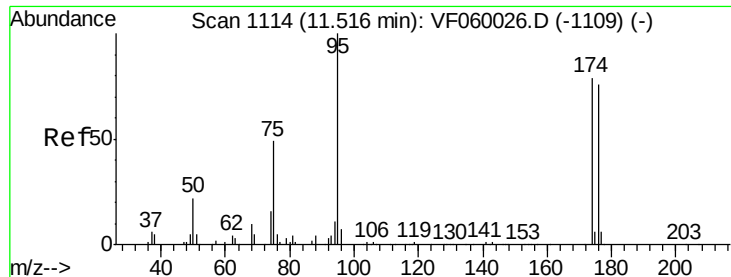
58 37.1 23.4 70.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

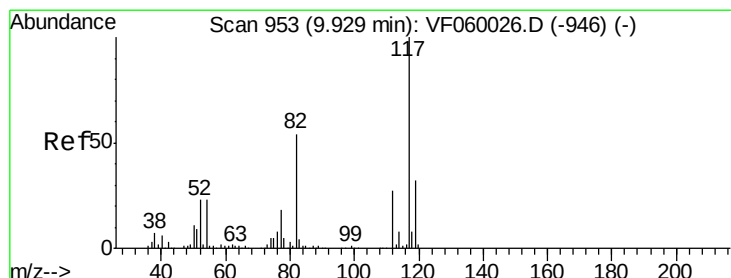
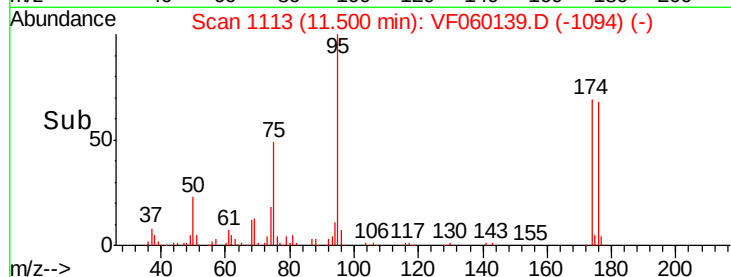
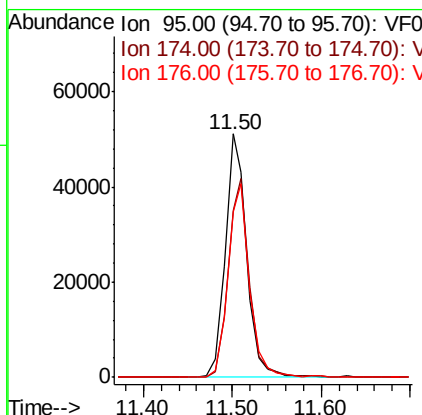
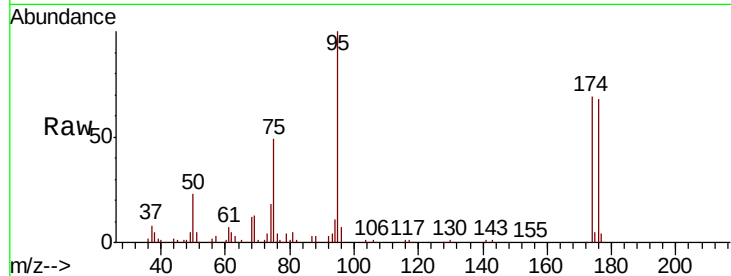




#62
4-Bromofluorobenzene
Concen: 37.638 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VF060139.D
Acq: 27 Aug 2018 21:49

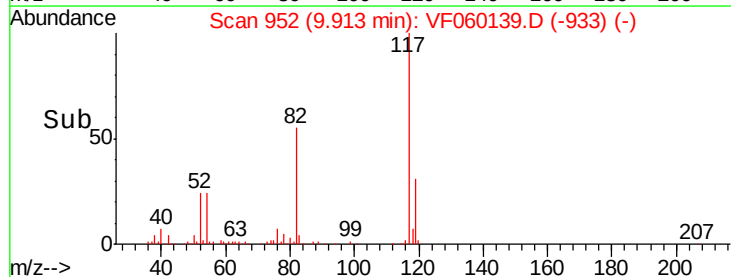
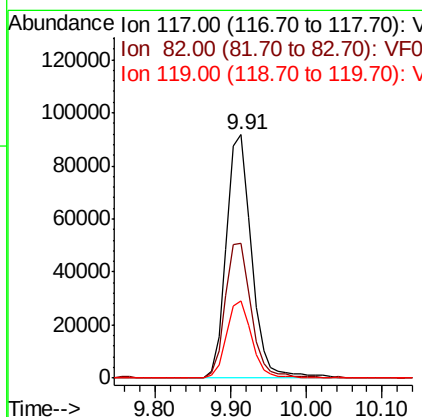
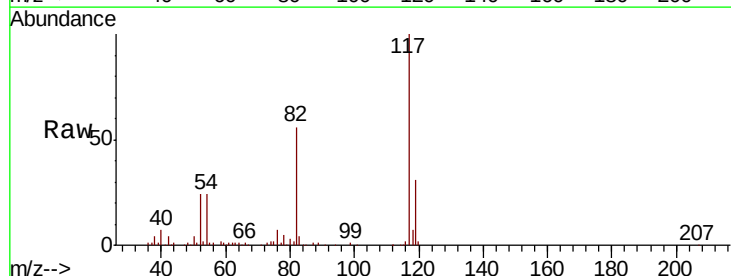
Instrument :
MSVOA_F
ClientSampleId :
SB-2-@-8-FT

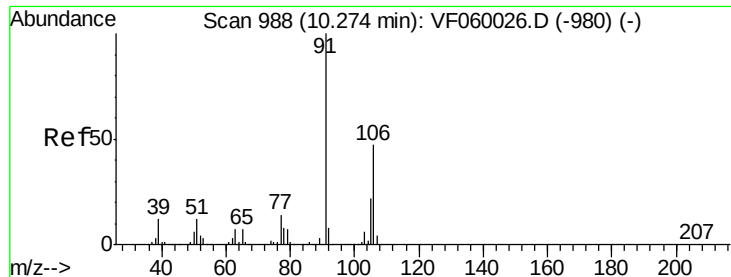
Tgt Ion: 95 Resp: 86939
Ion Ratio Lower Upper
95 100
174 68.6 0.0 158.4
176 67.8 0.0 153.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF060139.D
Acq: 27 Aug 2018 21:49

Tgt Ion: 117 Resp: 212515
Ion Ratio Lower Upper
117 100
82 55.6 43.6 65.4
119 31.5 25.6 38.4

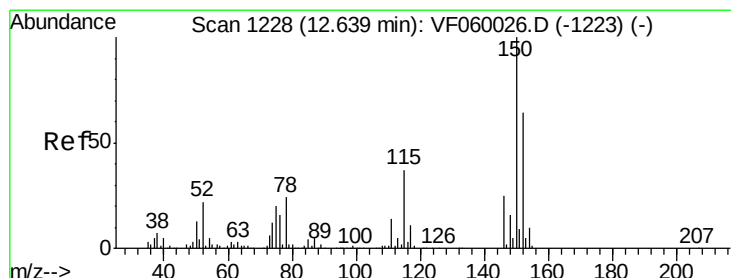
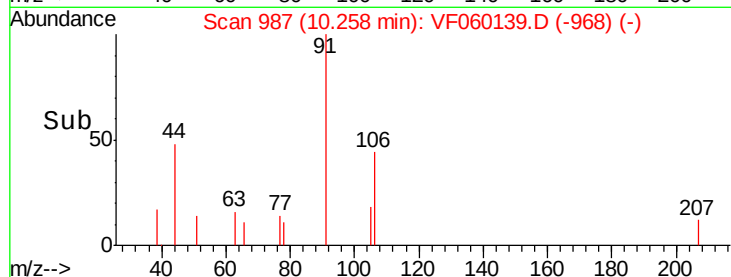
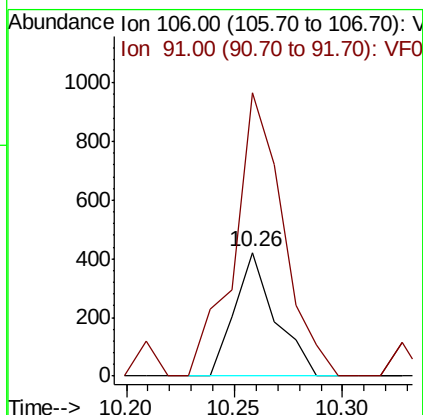
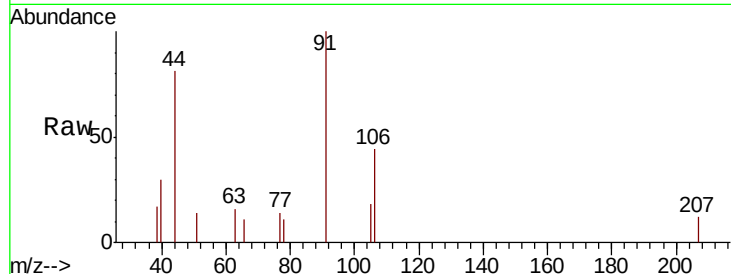




#68
m/p-Xylenes
Concen: Below Cal
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060139.D
Acq: 27 Aug 2018 21:49

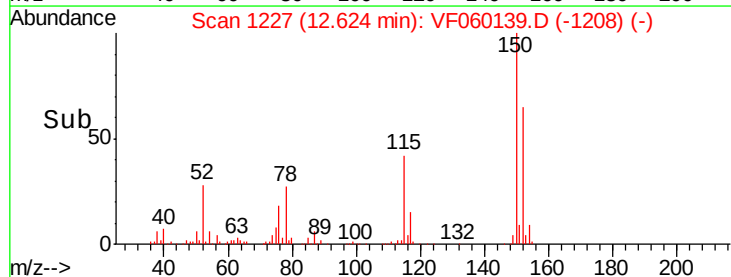
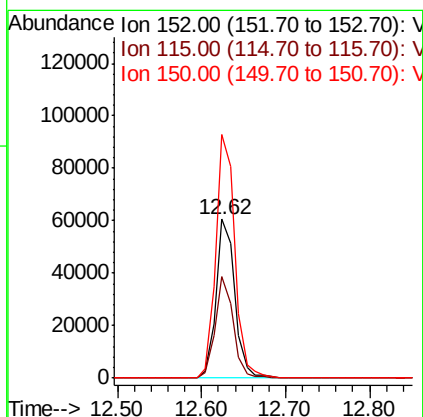
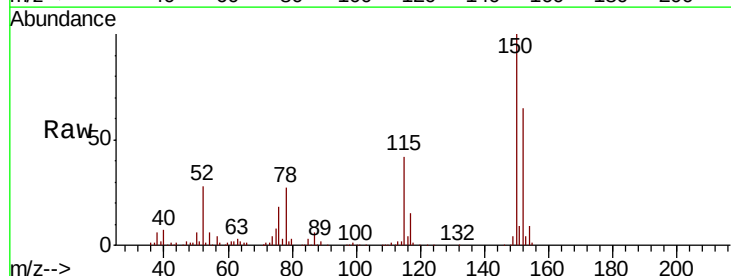
Instrument :
MSVOA_F
ClientSampleId :
SB-2-@-8-FT

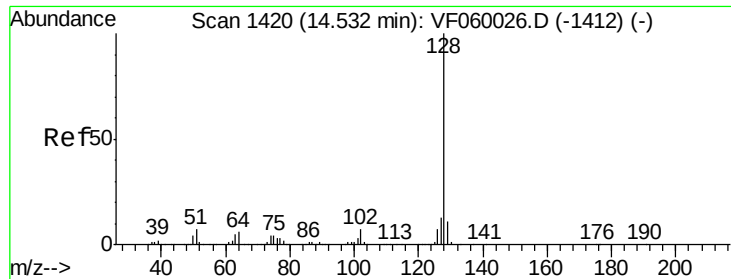
Tgt Ion:106 Resp: 553
Ion Ratio Lower Upper
106 100
91 229.2 171.8 257.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF060139.D
Acq: 27 Aug 2018 21:49

Tgt Ion:152 Resp: 94451
Ion Ratio Lower Upper
152 100
115 63.6 28.6 85.9
150 153.2 0.0 312.0

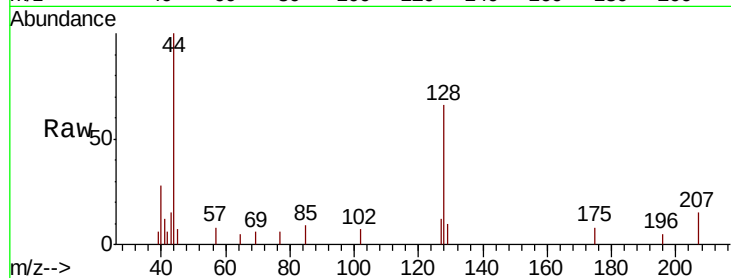




#95
 Naphthalene
 Concen: 2.767 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: VF060139.D
 Acq: 27 Aug 2018 21:49

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2-@-8-FT

Tgt Ion	Ratio	Lower	Upper
128	100		
127	18.6	10.4	15.6#
129	15.1	8.5	12.7#



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

