

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060164.D
 Acq On : 28 Aug 2018 21:47
 Operator : VA/AP
 Sample : J4648-06
 Misc : 8.16g/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-3-@-8-FT

Quant Time: Aug 29 01:20:01 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	123992	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	190116	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	184696	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	83727	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	73414	43.26	ug/l	-0.01
Spiked Amount			Recovery	=	86.52%	
35) Dibromofluoromethane	4.29	113	74177	49.69	ug/l	-0.01
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	7.71	98	183157	43.20	ug/l	-0.01
Spiked Amount			Recovery	=	86.40%	
62) 4-Bromofluorobenzene	11.50	95	101849	45.41	ug/l	-0.01
Spiked Amount			Recovery	=	90.82%	

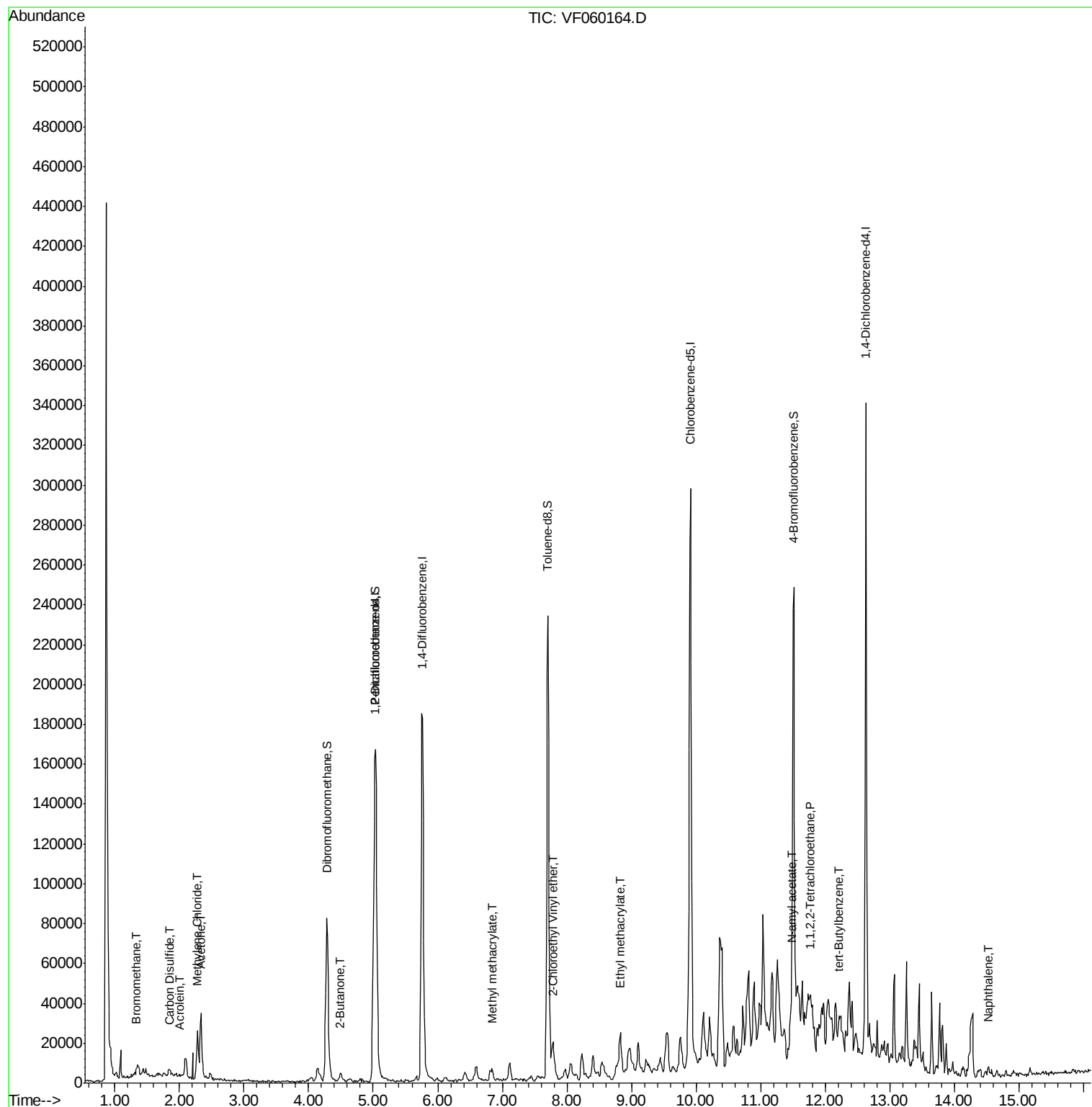
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	1435	Below Cal	#	78
5) Bromomethane	1.33	94	824	1.07	ug/l #	79
13) Acrolein	2.01	56	70	27.46	ug/l	94
16) Acetone	2.33	43	47791	107.15	ug/l	98
17) Carbon Disulfide	1.84	76	5131	2.08	ug/l	98
18) Methyl Acetate	2.47	43	1887	Below Cal	#	60
20) Methylene Chloride	2.27	84	11920	9.41	ug/l #	85
25) 2-Butanone	4.49	43	8229	14.20	ug/l #	80
48) Methyl methacrylate	6.84	41	2725	3.06	ug/l #	81
52) Toluene	7.77	92	3481	Below Cal		95
56) Ethyl methacrylate	8.83	69	11267	8.84	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.77	63	855	8.45	ug/l	100
68) m/p-Xylenes	10.26	106	558	Below Cal	#	25
74) N-amyl acetate	11.47	43	1918	1.22	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.78	83	5806	5.27	ug/l #	40
83) tert-Butylbenzene	12.21	119	5036	1.18	ug/l #	39
95) Naphthalene	14.52	128	1404	2.72	ug/l #	44

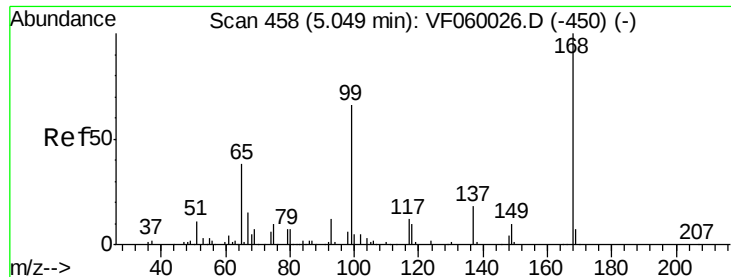
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082818\
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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# 457

Delta R.T. -0.01 min

Lab File: VF060164.D

Acq: 28 Aug 2018 21:47

Instrument :

MSVOA_F

ClientSampleId :

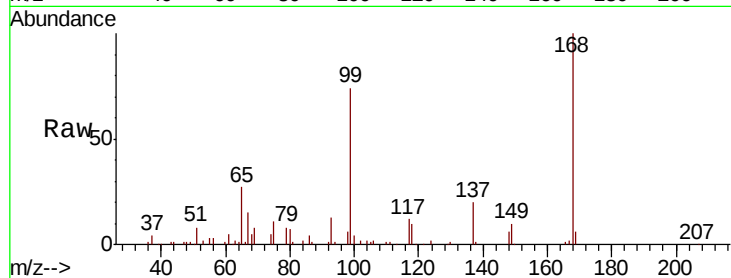
SB-3-@-8-FT

Tot Ion:168 Resp: 123992

Ion Ratio Lower Upper

168 100

99 73.5 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

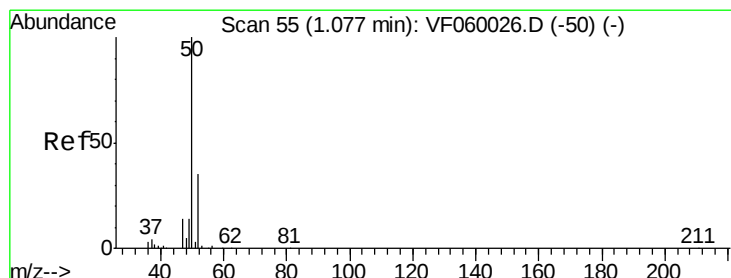
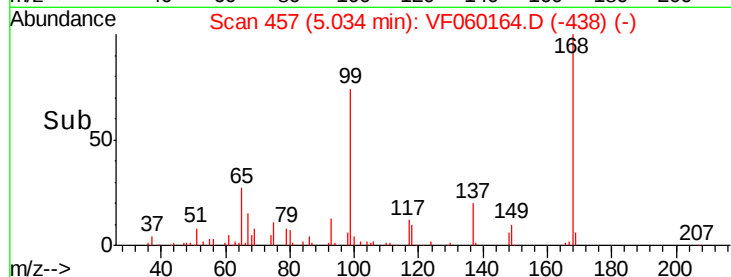
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF060164.D

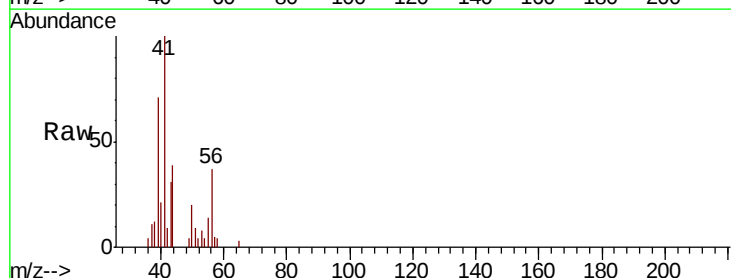
Acq: 28 Aug 2018 21:47

Tgt Ion: 50 Resp: 1435

Ion Ratio Lower Upper

50 100

52 21.6 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

800

600

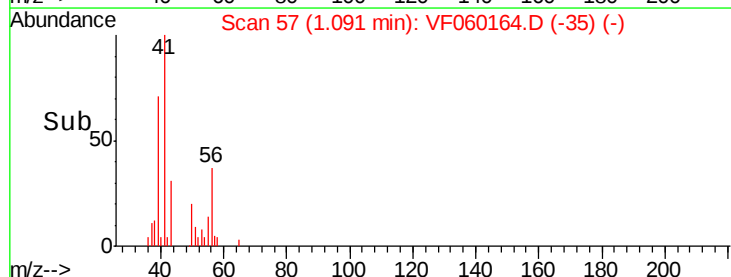
400

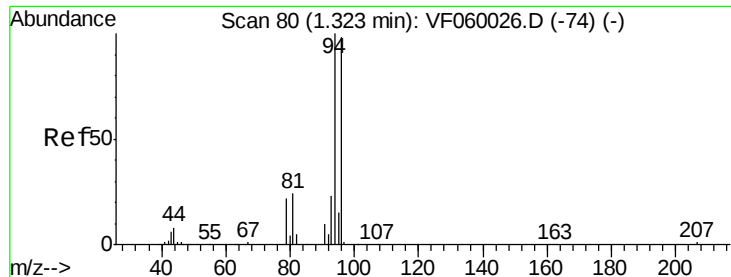
200

0

Time-->

1.05 1.10 1.15





#5

Bromomethane

Concen: 1.07 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060164.D

Acq: 28 Aug 2018 21:47

Instrument :

MSVOA_F

ClientSampleId :

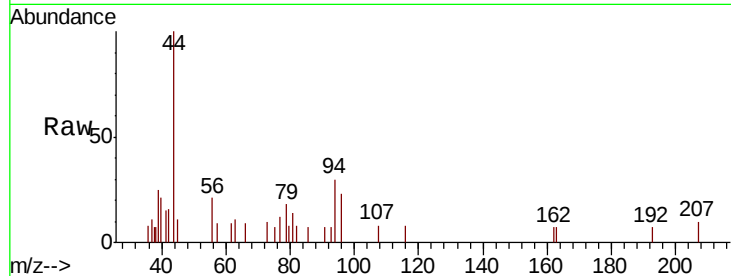
SB-3-@-8-FT

Tot Ion: 94 Resp: 824

Ion Ratio Lower Upper

94 100

96 77.2 78.6 118.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.33

400

300

200

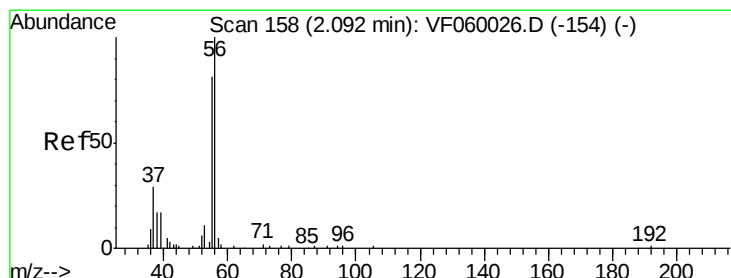
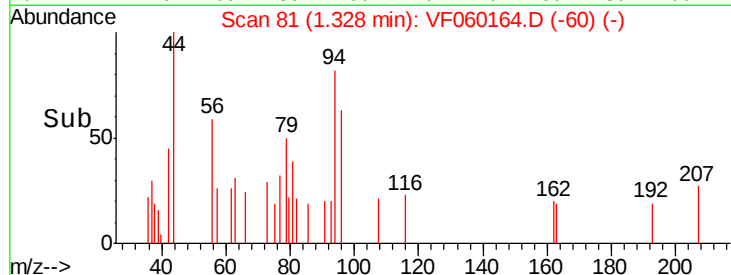
100

0

1.30

1.35

Time-->



#13

Acrolein

Concen: 27.46 ug/l

RT: 2.01 min Scan# 150

Delta R.T. -0.08 min

Lab File: VF060164.D

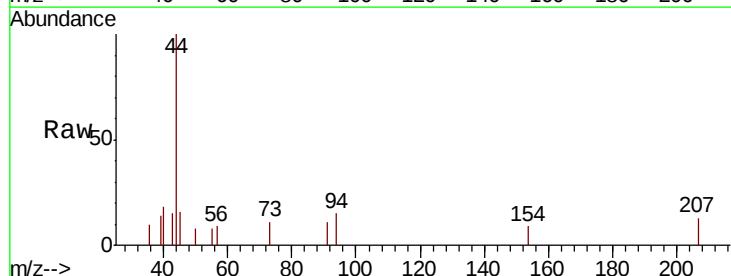
Acq: 28 Aug 2018 21:47

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 87.3 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

150

100

50

0

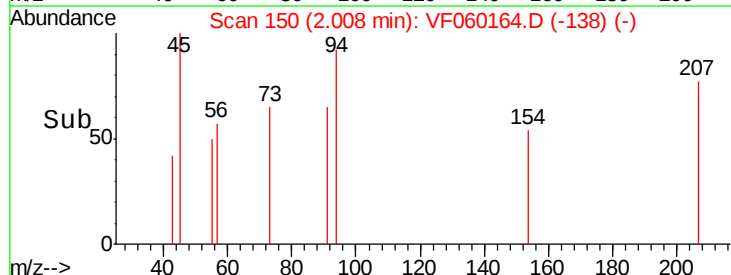
1.99

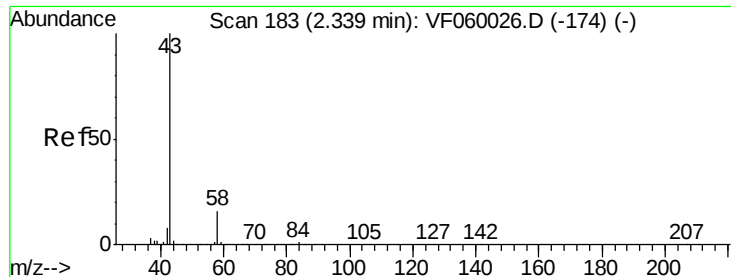
2.00

2.01

2.02

Time-->





#16

Acetone

Concen: 107.15 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060164.D

Acq: 28 Aug 2018 21:47

Instrument :

MSVOA_F

ClientSampleId :

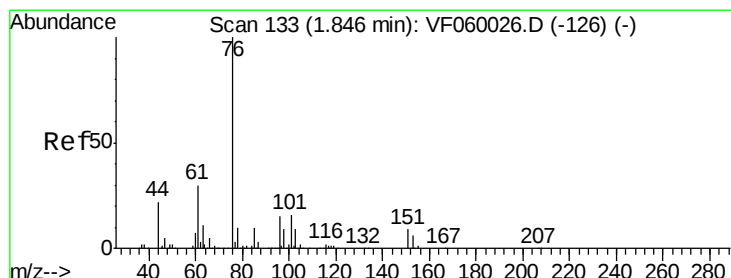
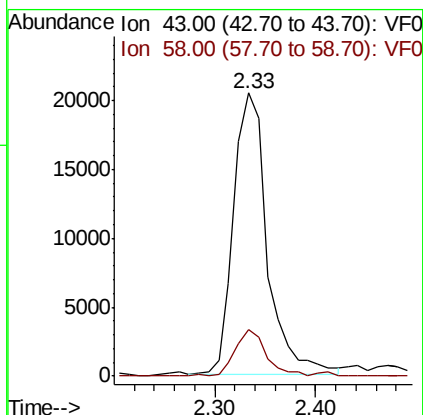
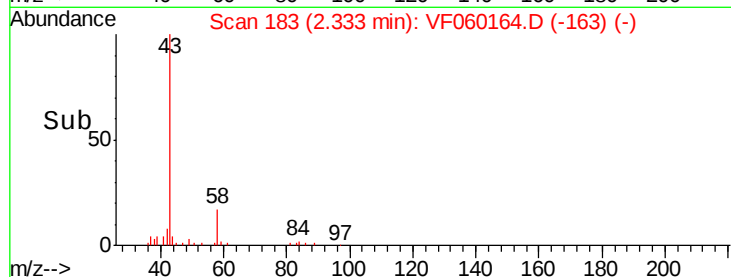
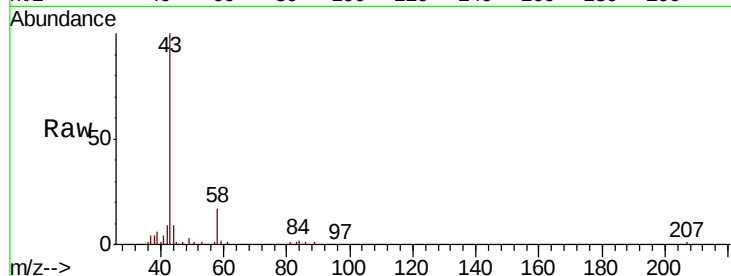
SB-3-@-8-FT

Tot Ion: 43 Resp: 47791

Ion Ratio Lower Upper

43 100

58 16.5 12.6 19.0



#17

Carbon Disulfide

Concen: 2.08 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.01 min

Lab File: VF060164.D

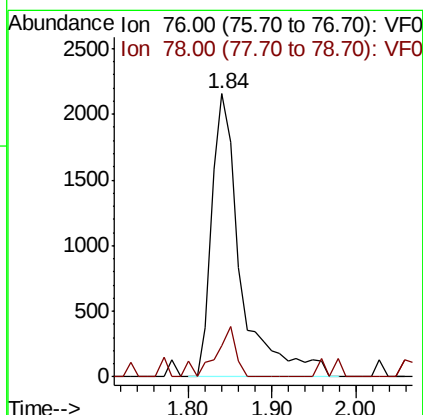
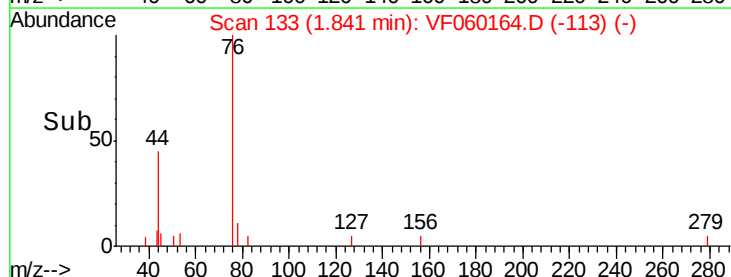
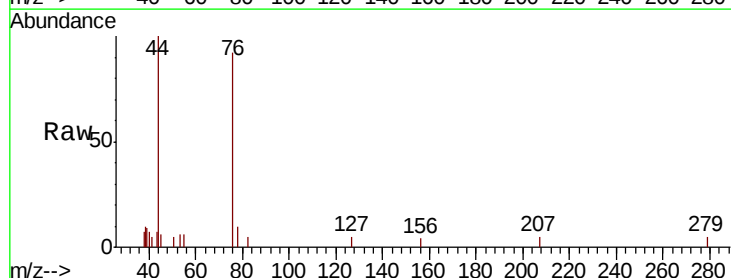
Acq: 28 Aug 2018 21:47

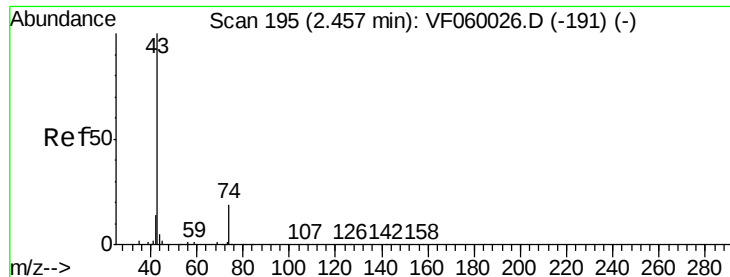
Tgt Ion: 76 Resp: 5131

Ion Ratio Lower Upper

76 100

78 11.2 8.4 12.6

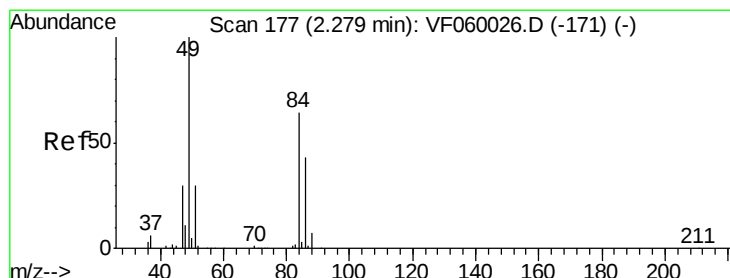
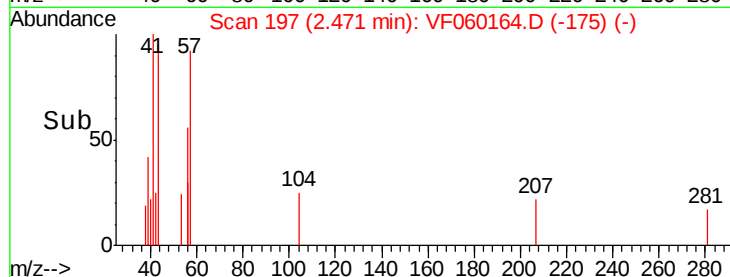
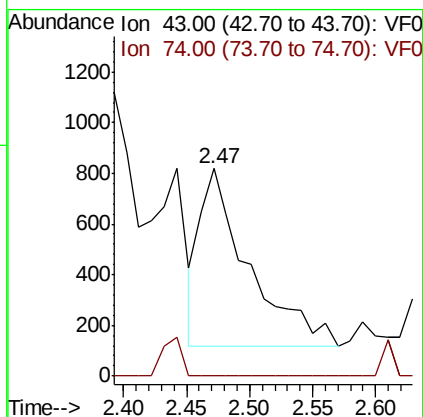
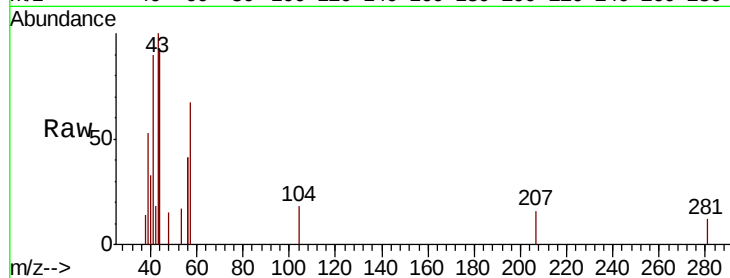




#18
Methvl Acetate
Concen: Below Cal
RT: 2.47 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF060164.D
Acq: 28 Aug 2018 21:47

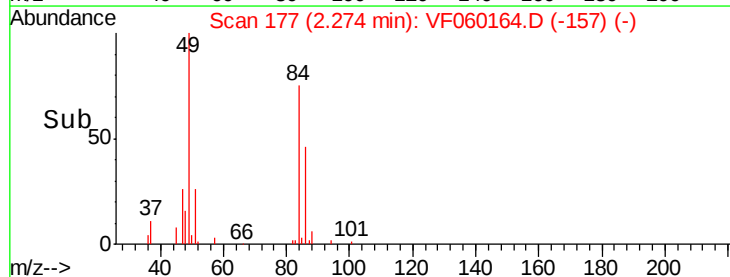
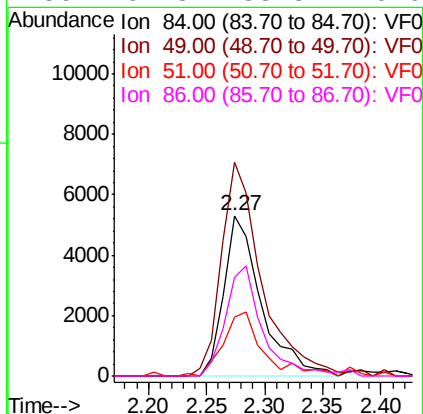
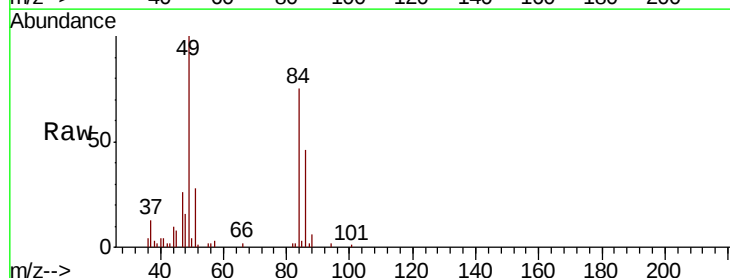
Instrument :
MSVOA_F
ClientSampleId :
SB-3-@-8-FT

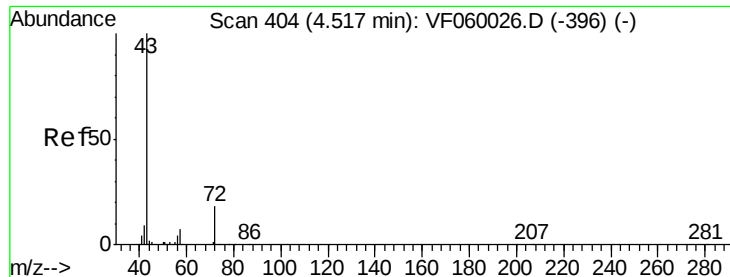
Tot Ion: 43 Resp: 1887
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#



#20
Methylene Chloride
Concen: 9.41 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060164.D
Acq: 28 Aug 2018 21:47

Tgt Ion: 84 Resp: 11920
Ion Ratio Lower Upper
84 100
49 133.0 125.4 188.0
51 36.6 38.3 57.5#
86 61.3 53.3 79.9





#25

2-Butanone

Concen: 14.20 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF060164.D

Acq: 28 Aug 2018 21:47

Instrument :

MSVOA_F

ClientSampleId :

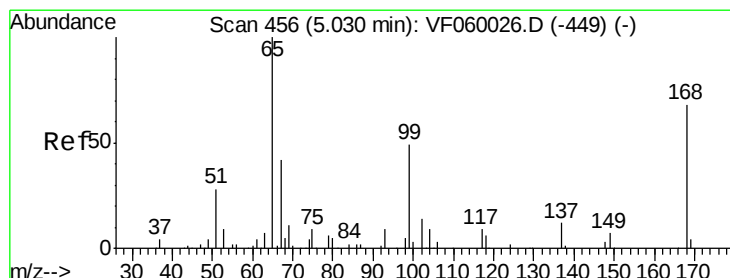
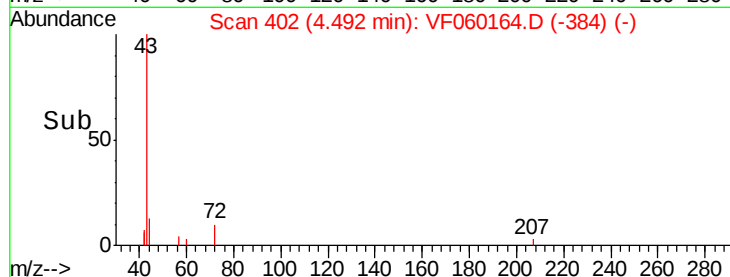
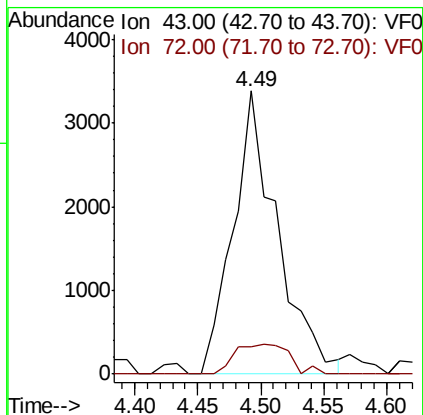
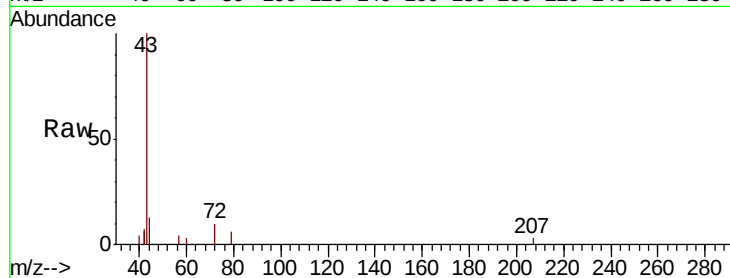
SB-3-@-8-FT

Tot Ion: 43 Resp: 8229

Ion Ratio Lower Upper

43 100

72 9.6 15.0 22.6#



#33

1,2-Dichloroethane-d4

Concen: 43.26 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060164.D

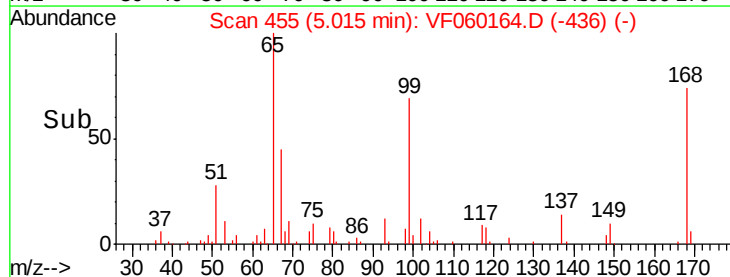
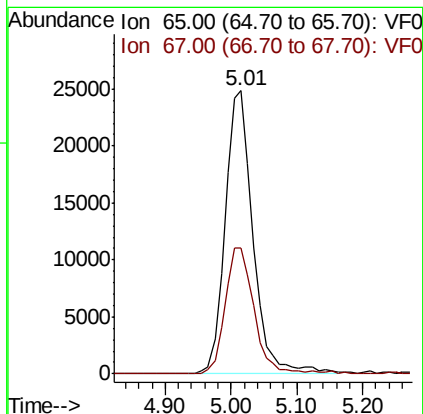
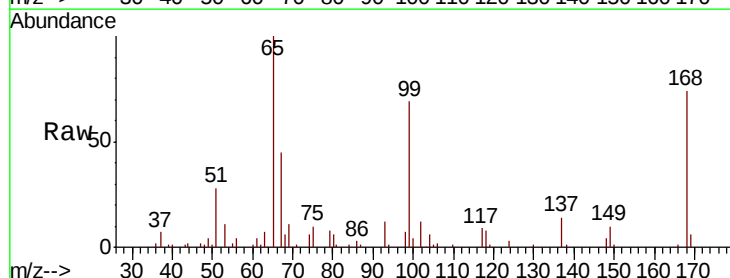
Acq: 28 Aug 2018 21:47

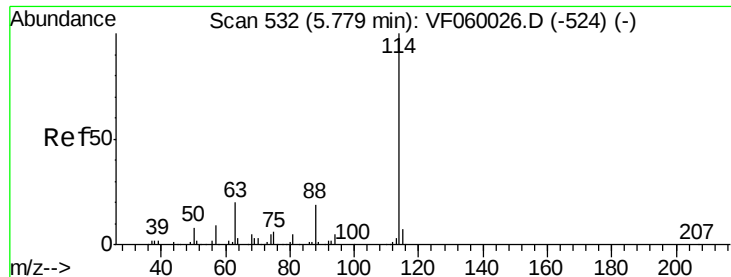
Tgt Ion: 65 Resp: 73414

Ion Ratio Lower Upper

65 100

67 44.7 0.0 92.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF060164.D

Acq: 28 Aug 2018 21:47

Instrument :

MSVOA_F

ClientSampleId :

SB-3-@-8-FT

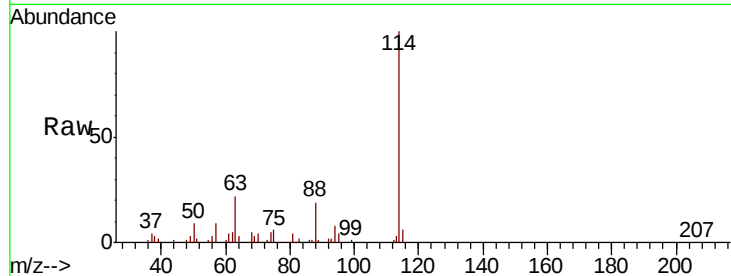
Tot Ion:114 Resp: 190116

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.4

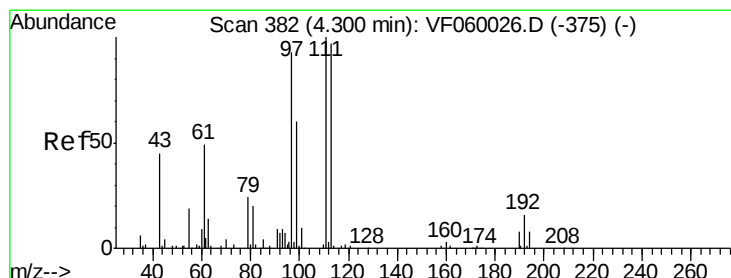
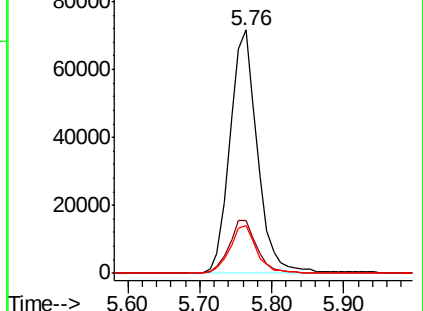
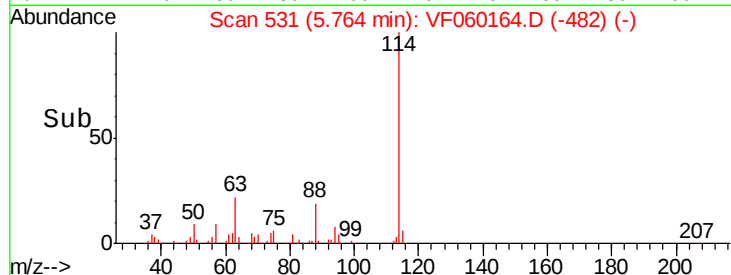
88 19.4 0.0 38.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 49.69 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060164.D

Acq: 28 Aug 2018 21:47

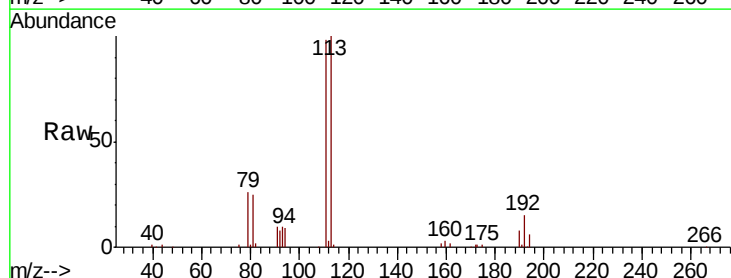
Tgt Ion:113 Resp: 74177

Ion Ratio Lower Upper

113 100

111 97.8 82.7 124.1

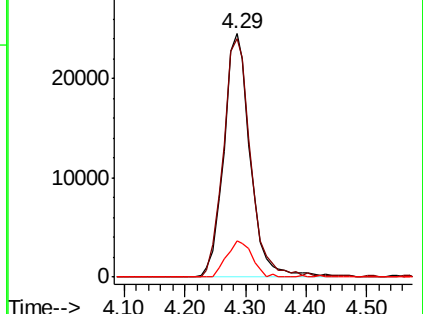
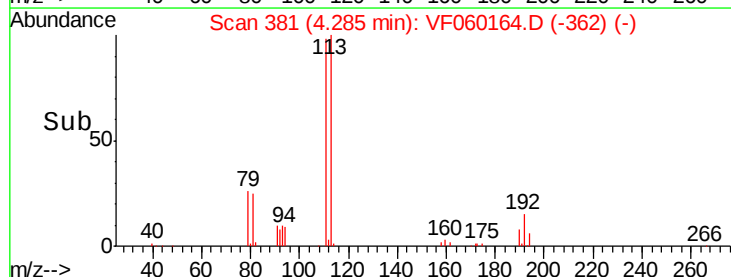
192 15.1 13.0 19.4

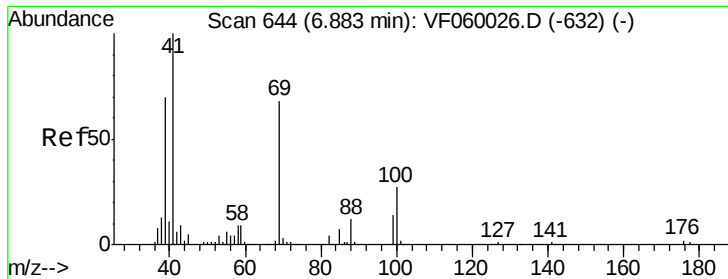


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

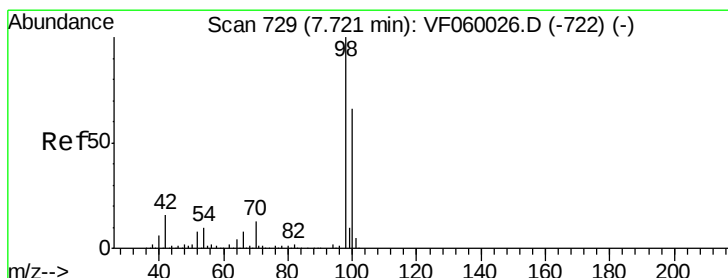
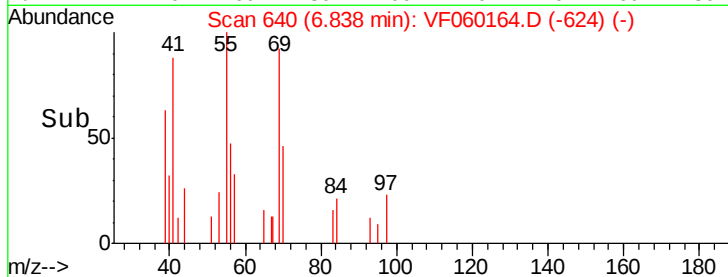
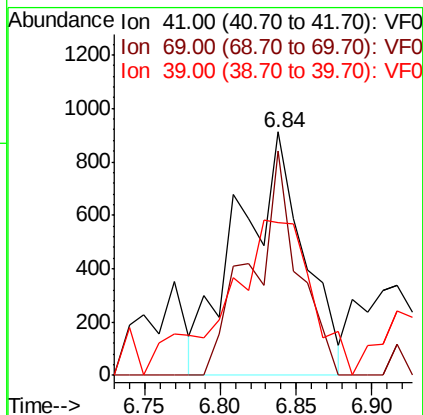
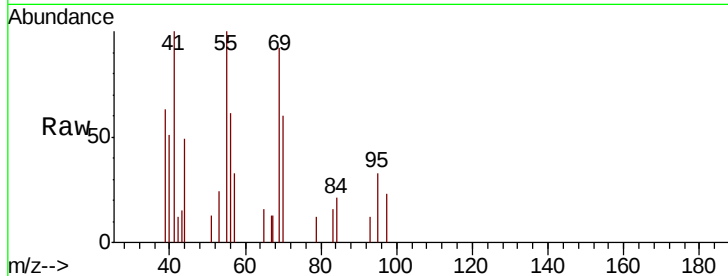




#48
Methvl methacrylate
Concen: 3.06 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.04 min
Lab File: VF060164.D
Acq: 28 Aug 2018 21:47

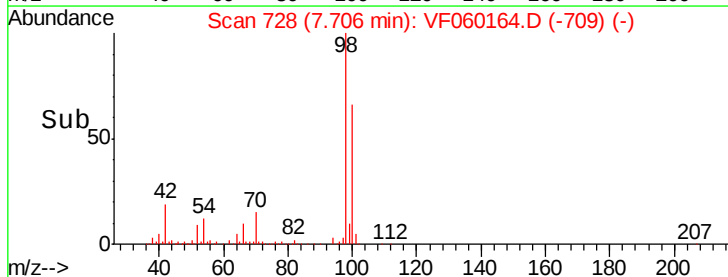
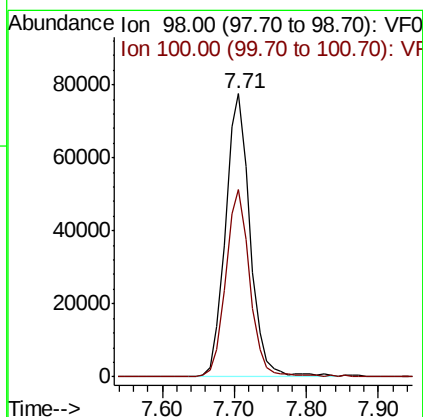
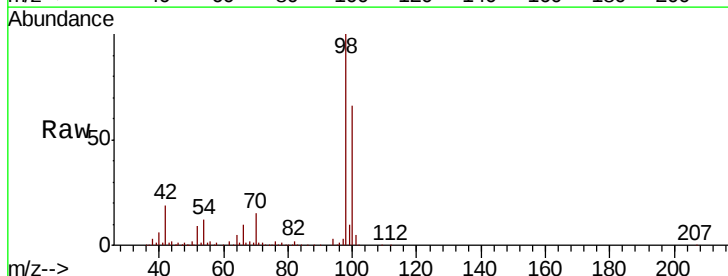
Instrument :
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SB-3-@-8-FT

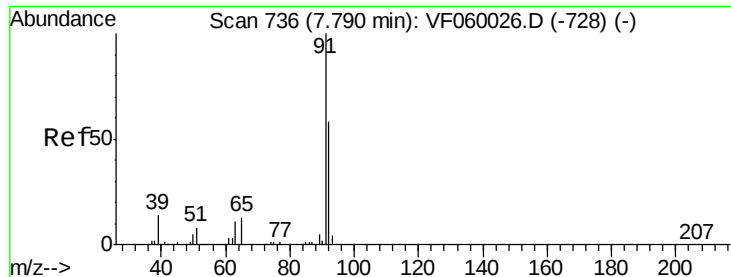
Tot Ion: 41 Resp: 2725
Ion Ratio Lower Upper
41 100
69 92.1 54.6 81.8#
39 62.6 56.5 84.7



#50
Toluene-d8
Concen: 43.20 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060164.D
Acq: 28 Aug 2018 21:47

Tgt Ion: 98 Resp: 183157
Ion Ratio Lower Upper
98 100
100 66.3 53.2 79.8





#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060164.D

Acq: 28 Aug 2018 21:47

Instrument :

MSVOA_F

ClientSampleId :

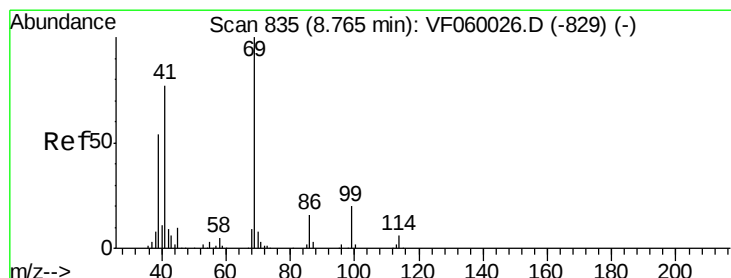
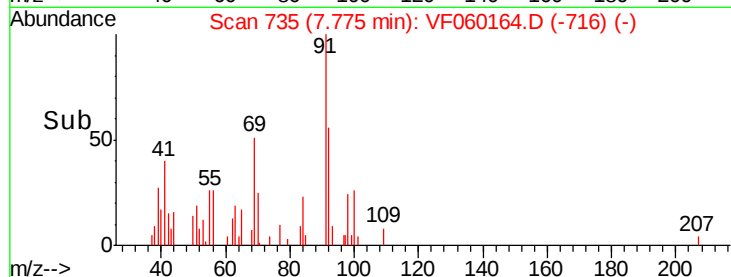
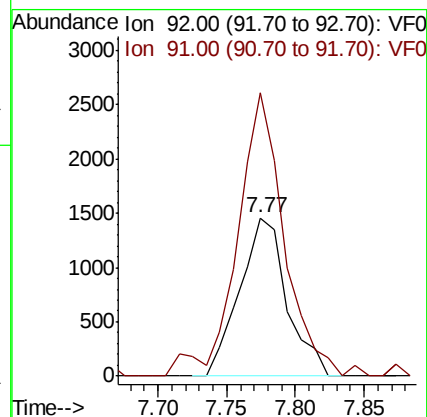
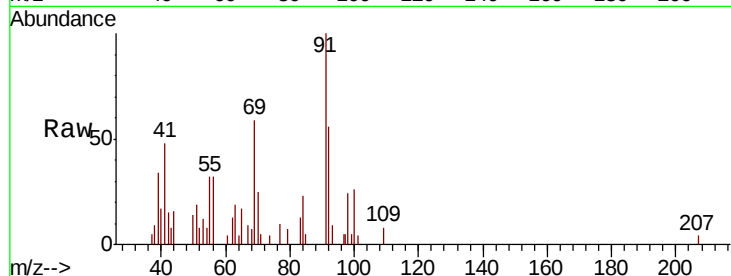
SB-3-@-8-FT

Tot Ion: 92 Resp: 3481

Ion Ratio Lower Upper

92 100

91 179.0 137.7 206.5



#56

Ethyl methacrylate

Concen: 8.84 ug/l

RT: 8.83 min Scan# 842

Delta R.T. 0.06 min

Lab File: VF060164.D

Acq: 28 Aug 2018 21:47

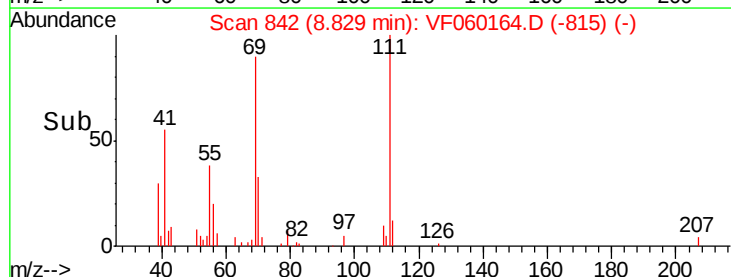
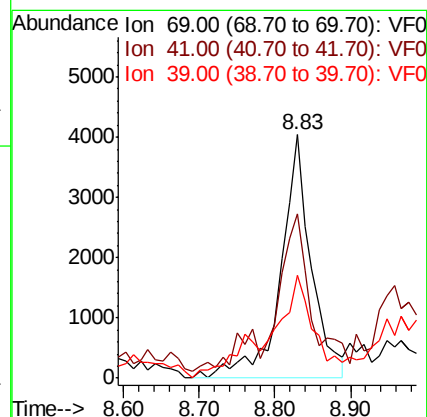
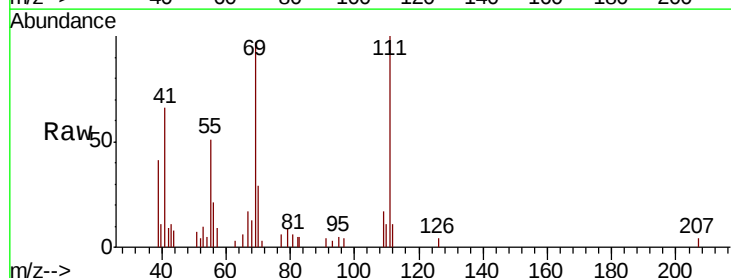
Tgt Ion: 69 Resp: 11267

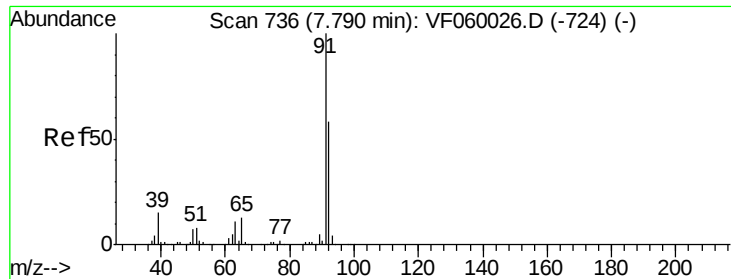
Ion Ratio Lower Upper

69 100

41 67.7 61.6 92.4

39 42.2 43.9 65.9#

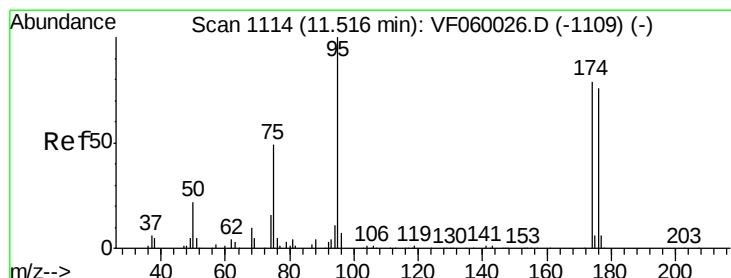
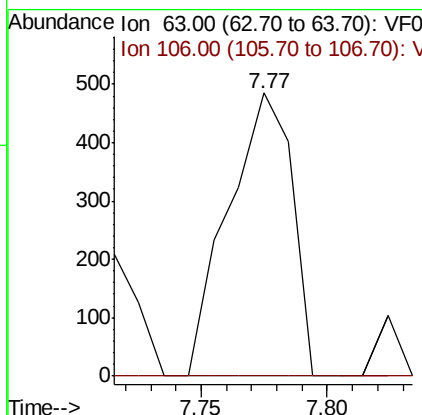
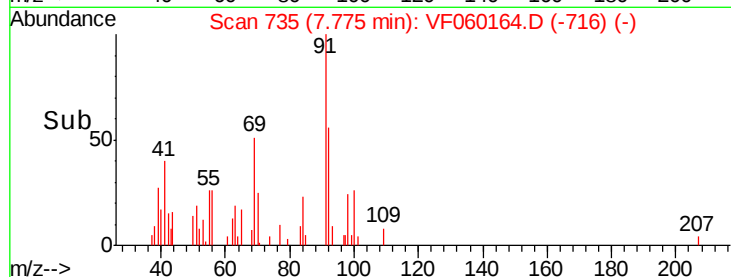
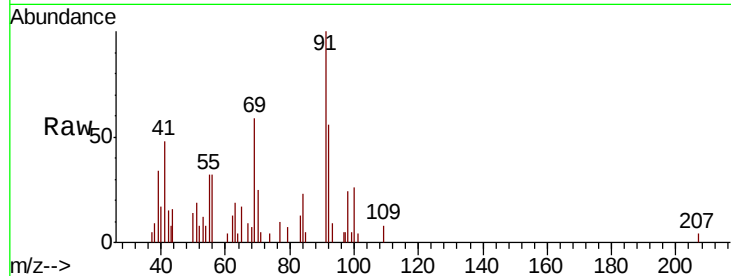




#58
 2-Chloroethyl Vinyl ether
 Concen: 8.45 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VF060164.D
 Acq: 28 Aug 2018 21:47

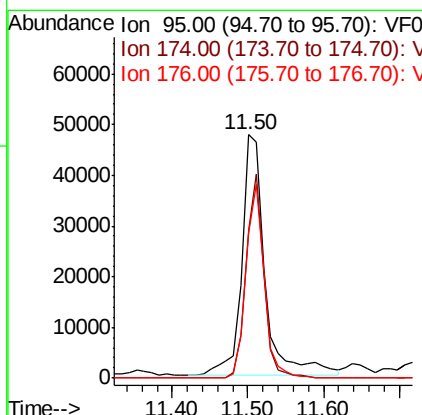
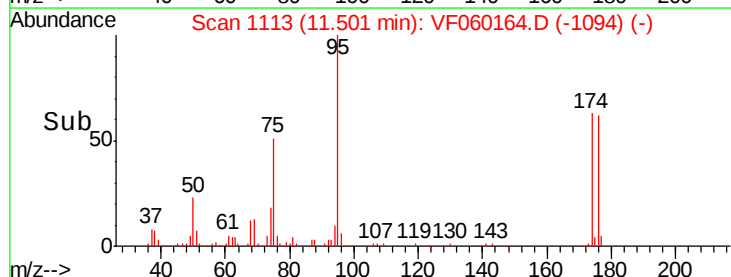
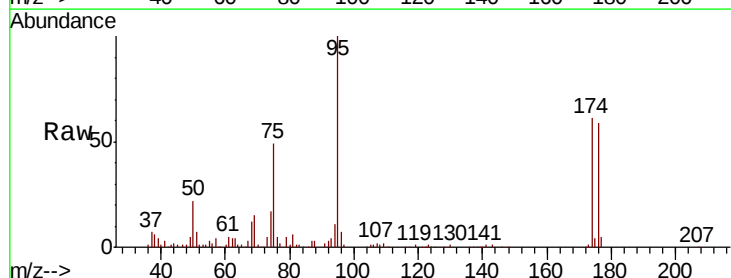
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-3-@-8-FT

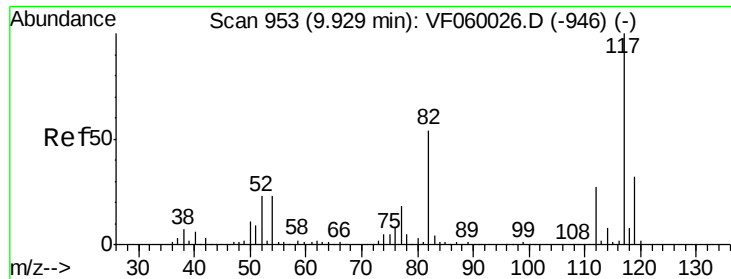
Tot Ion: 63 Resp: 855
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 45.41 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF060164.D
 Acq: 28 Aug 2018 21:47

Tgt Ion: 95 Resp: 101849
 Ion Ratio Lower Upper
 95 100
 174 60.8 0.0 158.4
 176 59.5 0.0 153.0

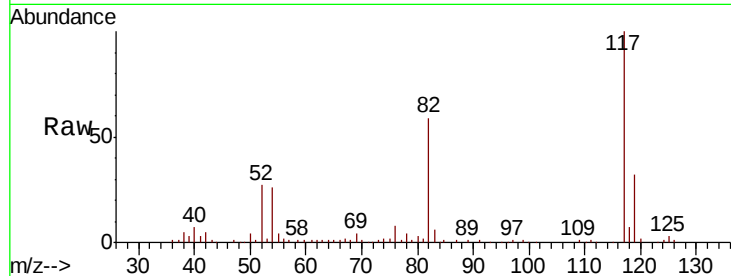




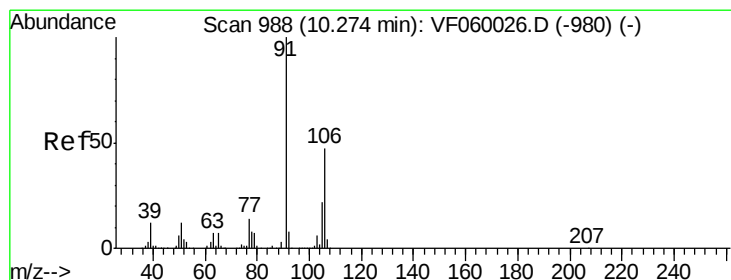
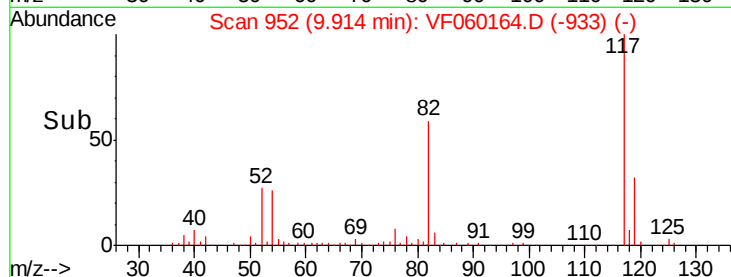
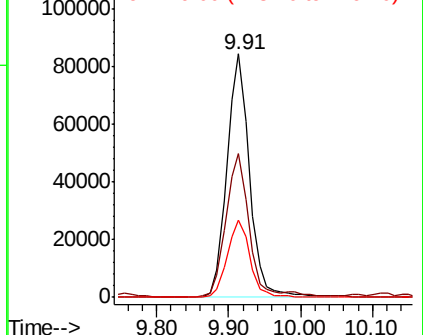
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060164.D
Acq: 28 Aug 2018 21:47

Instrument :
MSVOA_F
ClientSampleId :
SB-3-@-8-FT

Tot Ion:117 Resp: 184696
Ion Ratio Lower Upper
117 100
82 59.1 43.6 65.4
119 31.5 25.6 38.4

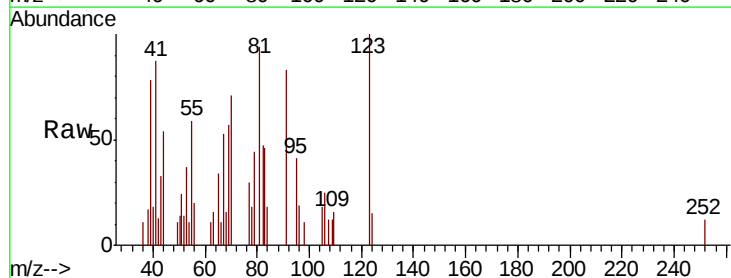


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

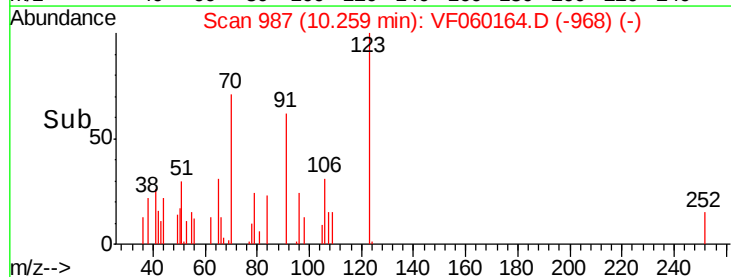
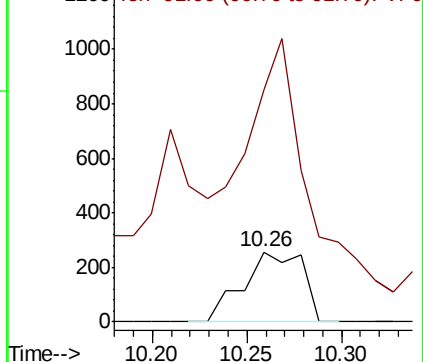


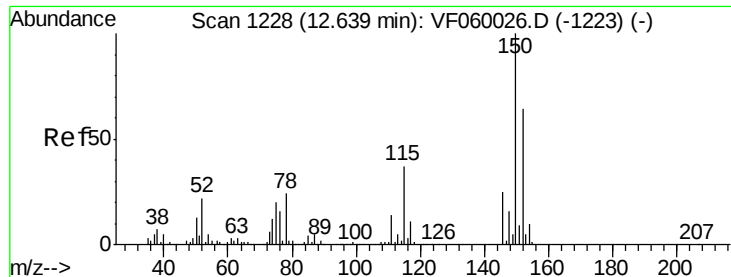
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060164.D
Acq: 28 Aug 2018 21:47

Tgt Ion:106 Resp: 558
Ion Ratio Lower Upper
106 100
91 332.8 171.8 257.8#



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



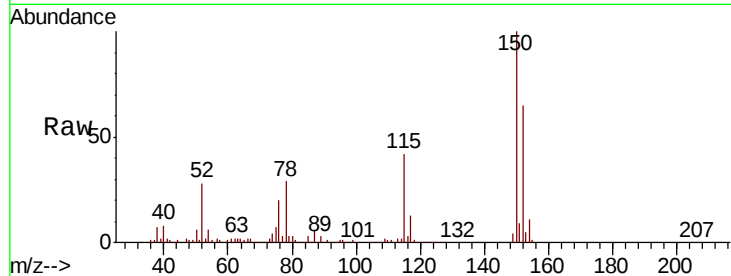


#72

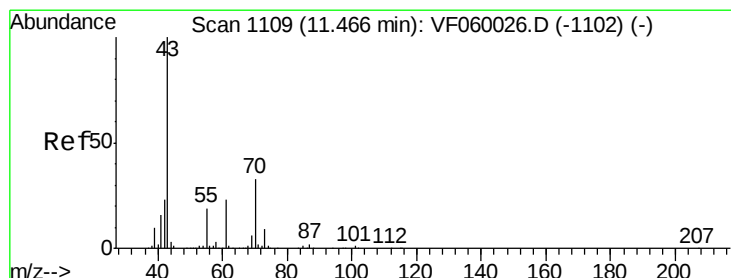
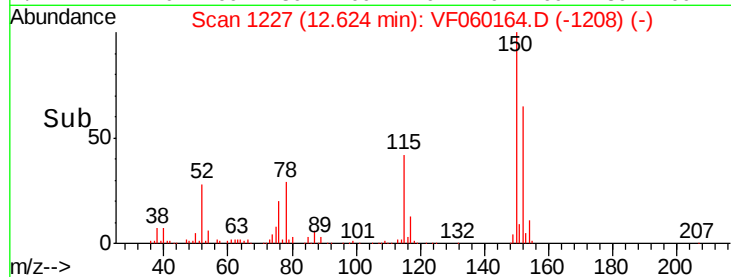
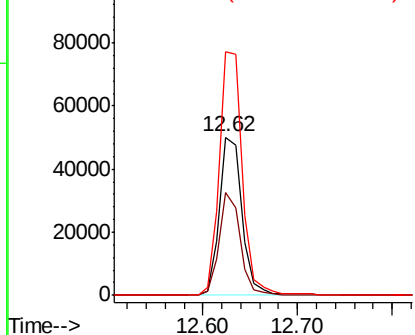
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060164.D
Acq: 28 Aug 2018 21:47

Instrument :
MSVOA_F
ClientSampleId :
SB-3-@-8-FT

Tot Ion:152 Resp: 83727
Ion Ratio Lower Upper
152 100
115 64.7 28.6 85.9
150 153.8 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

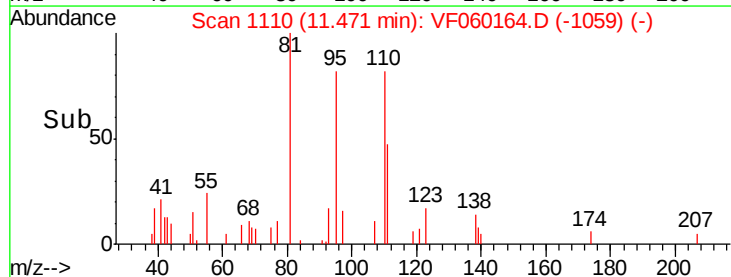
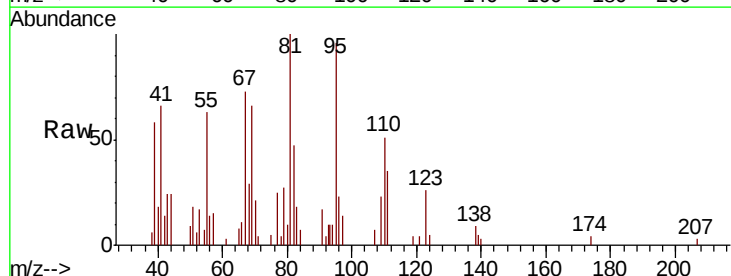
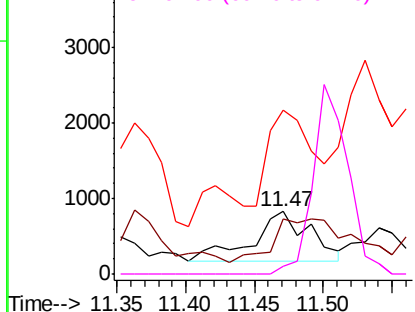


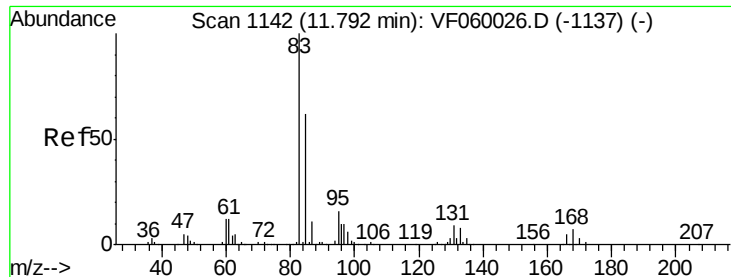
#74

N-ethyl acetate
Concen: 1.22 ug/l
RT: 11.47 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VF060164.D
Acq: 28 Aug 2018 21:47

Tgt Ion: 43 Resp: 1918
Ion Ratio Lower Upper
43 100
70 89.3 26.4 39.6#
55 262.4 15.0 22.4#
61 12.3 18.4 27.6#

Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 70.00 (69.70 to 70.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.27 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060164.D

Acq: 28 Aug 2018 21:47

Instrument :

MSVOA_F

ClientSampleId :

SB-3-@-8-FT

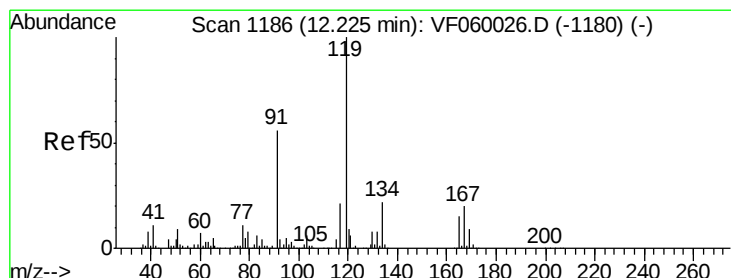
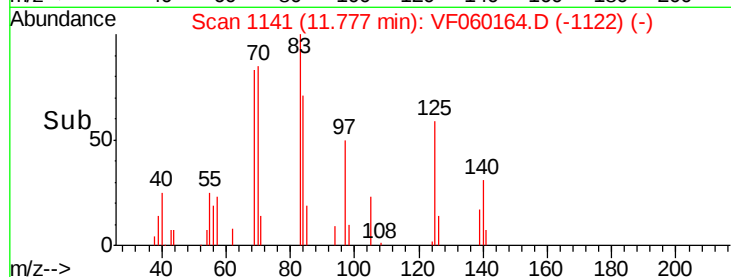
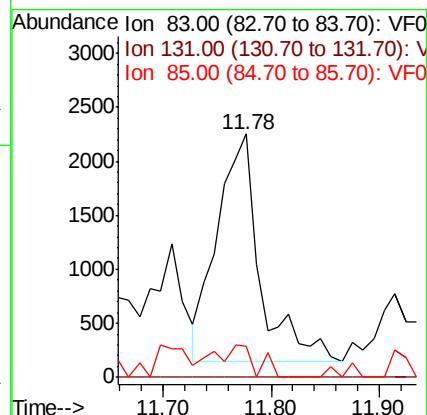
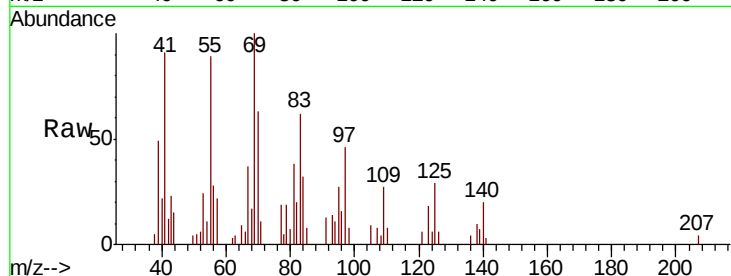
Tot Ion: 83 Resp: 5806

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

85 12.6 31.3 93.9#



#83

tert-Butylbenzene

Concen: 1.18 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF060164.D

Acq: 28 Aug 2018 21:47

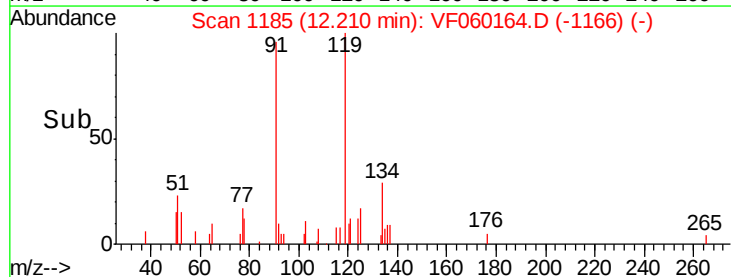
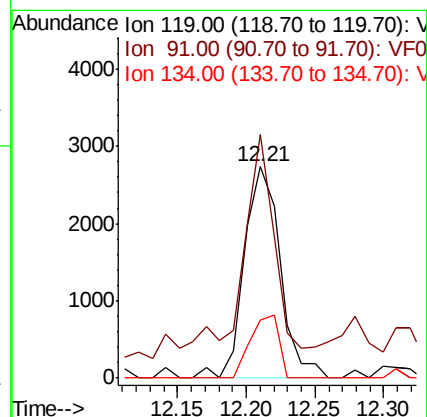
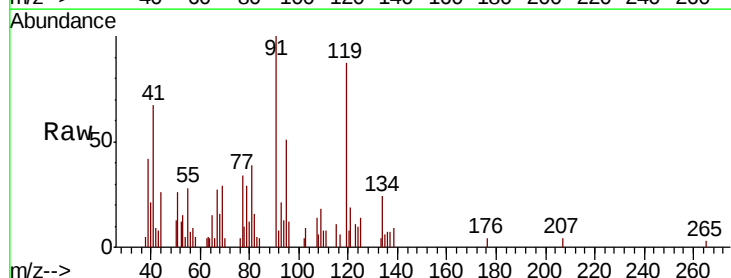
Tgt Ion: 119 Resp: 5036

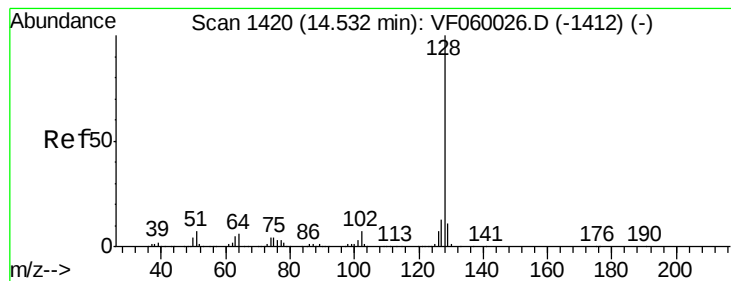
Ion Ratio Lower Upper

119 100

91 115.1 28.1 84.3#

134 27.3 11.1 33.3





#95

Naphthalene

Concen: 2.72 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060164.D

Acq: 28 Aug 2018 21:47

Instrument :

MSVOA_F

ClientSampleId :

SB-3-@-8-FT

Tot Ion:128 Resp: 1404

Ion Ratio Lower Upper

128 100

127 24.7 10.4 15.6#

129 44.3 8.5 12.7#

