

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 02:12:20 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%	

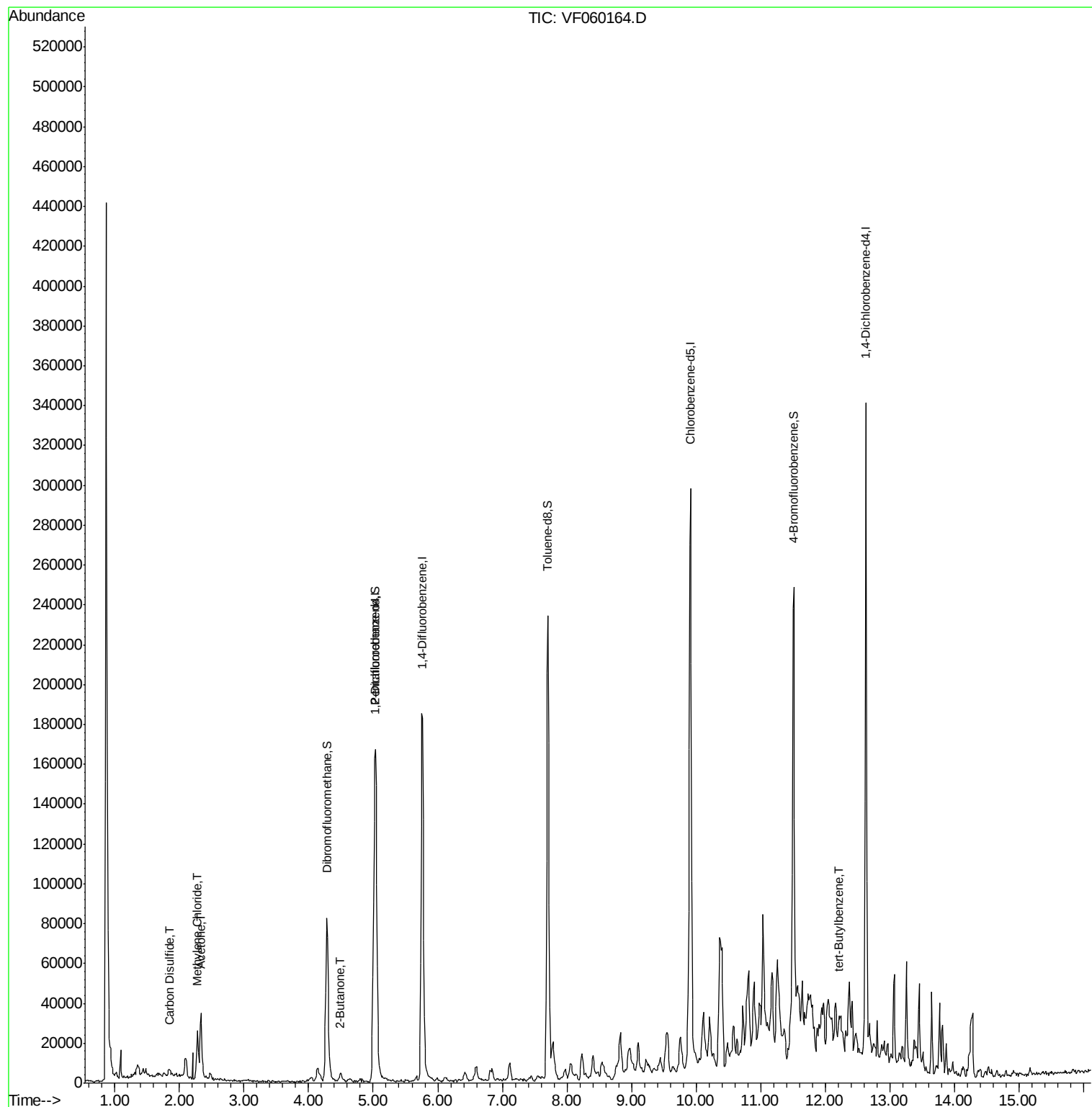
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.33	43	47791	107.15	ug/l	98
17) Carbon Disulfide	1.84	76	5131	2.08	ug/l	98
20) Methylene Chloride	2.27	84	11920	9.41	ug/l #	85
25) 2-Butanone	4.49	43	8229	14.20	ug/l #	80
83) tert-Butylbenzene	12.21	119	5036	1.18	ug/l #	39

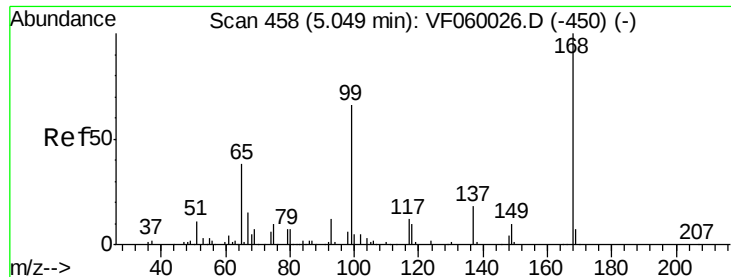
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.00 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 :

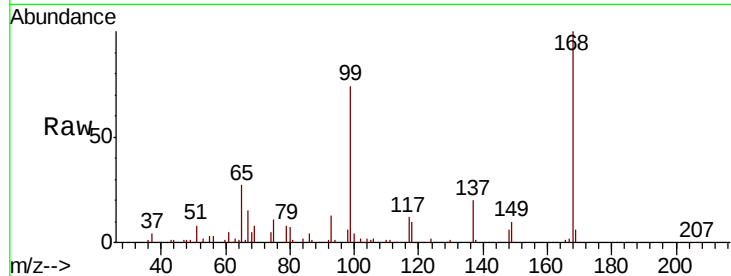
SB-3-@-8-FT

Tot Ion:168 Resp: 123992

Ion Ratio Lower Upper

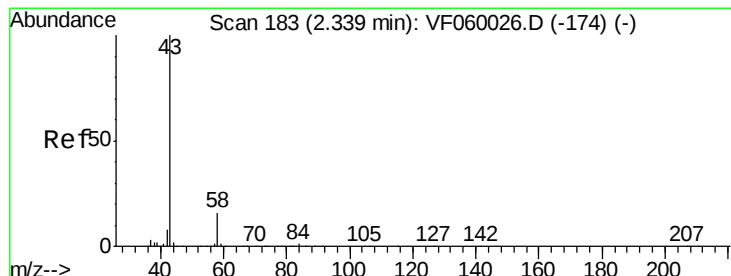
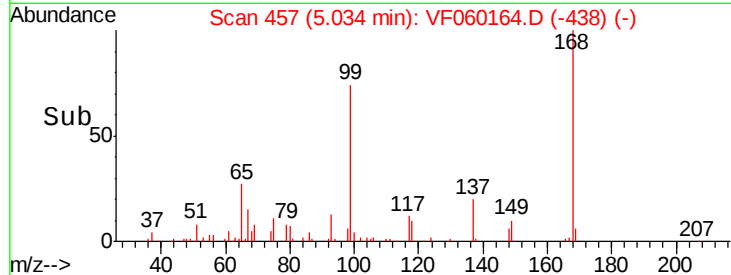
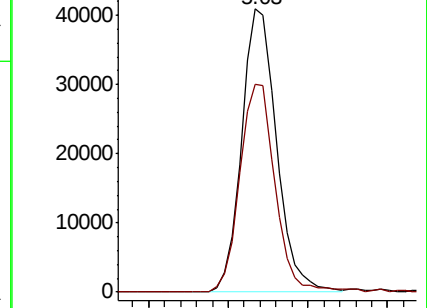
168 100

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



#16

Acetone

Concen: 107.15 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060164.D

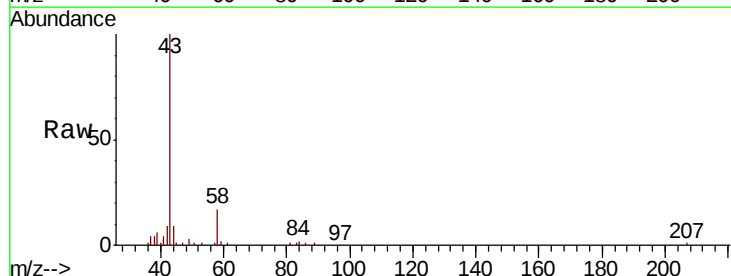
Acq: 28 Aug 2018 21:47

Tgt Ion: 43 Resp: 47791

Ion Ratio Lower Upper

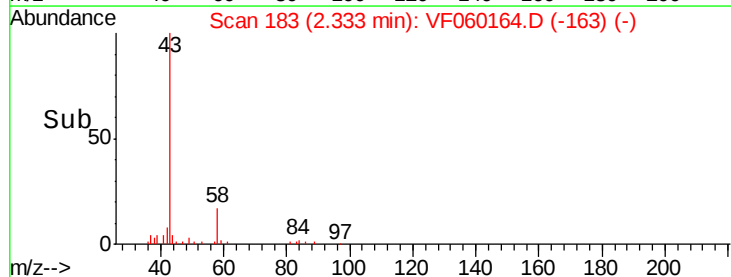
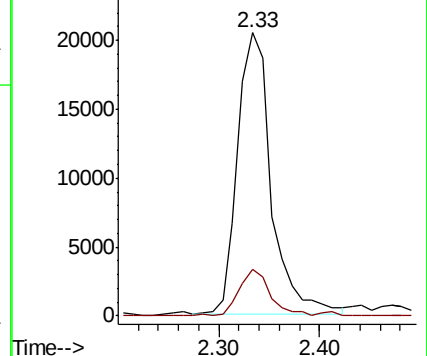
43 100

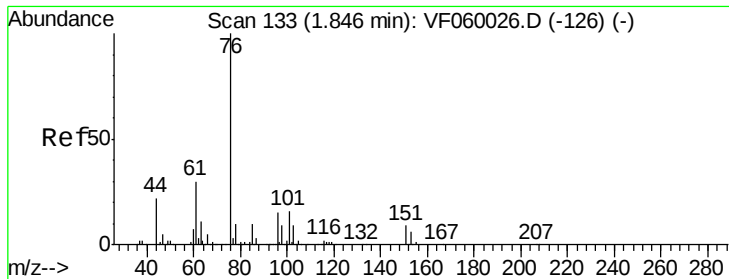
58 16.5 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#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

Instrument :

MSVOA_F

ClientSampleId :

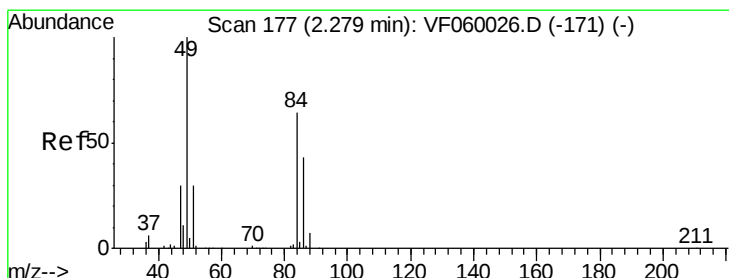
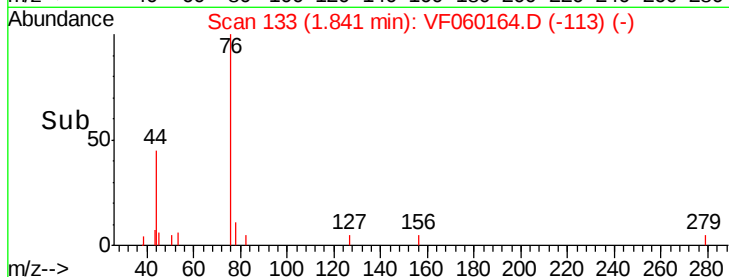
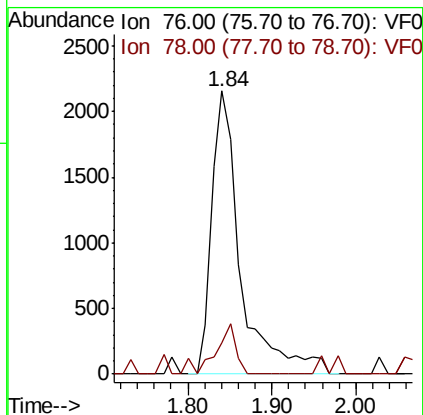
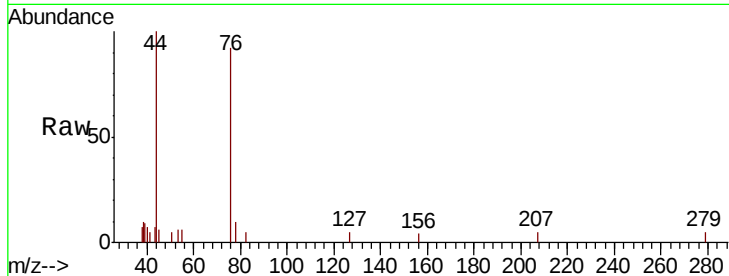
SB-3-@-8-FT

Tot Ion: 76 Resp: 5131

Ion Ratio Lower Upper

76 100

78 11.2 8.4 12.6



#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

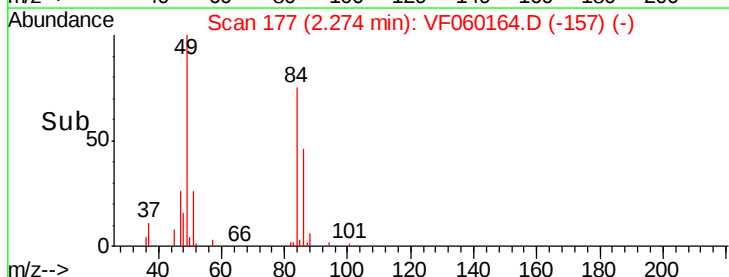
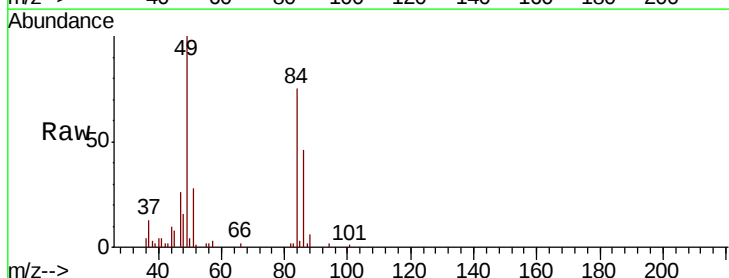
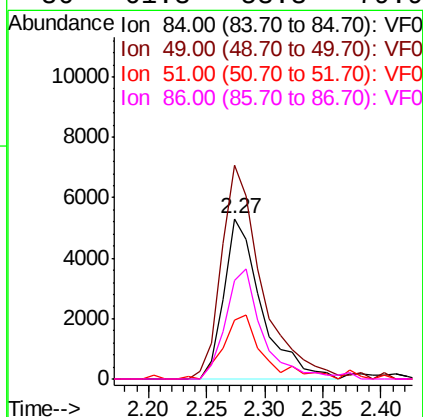
Ion Ratio Lower Upper

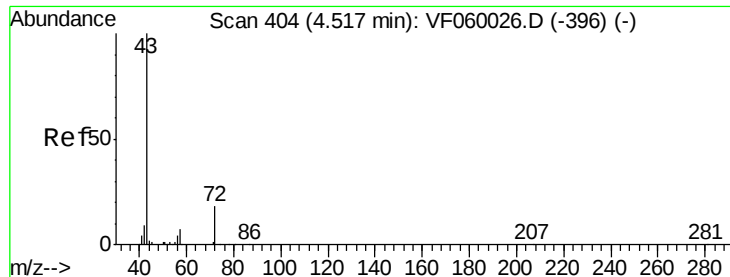
84 100

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 :

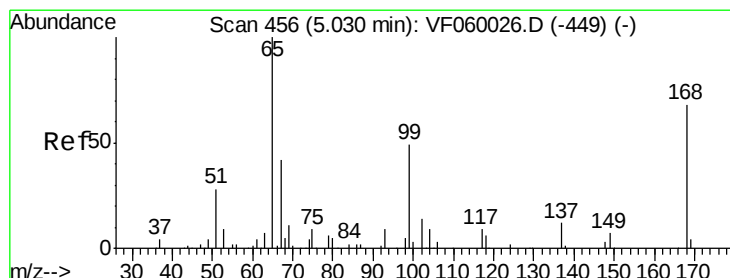
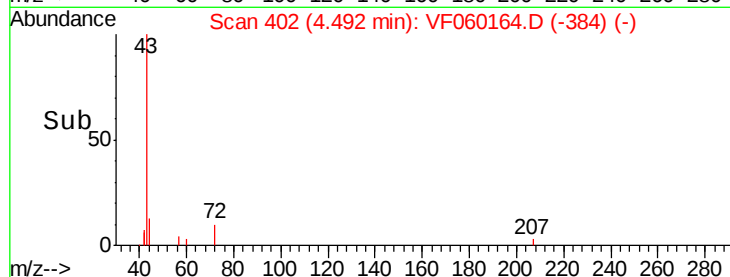
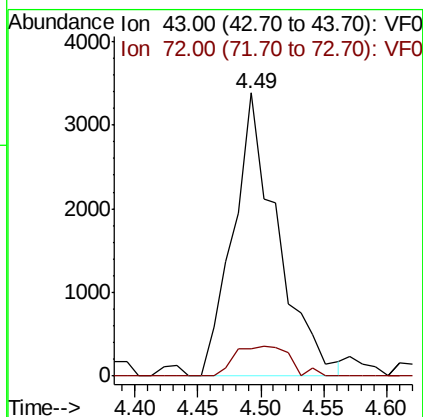
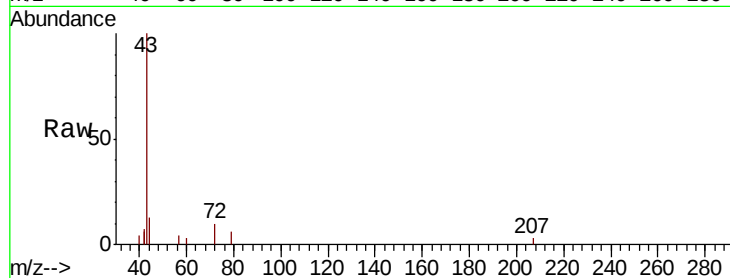
SB-3-@-8-FT

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

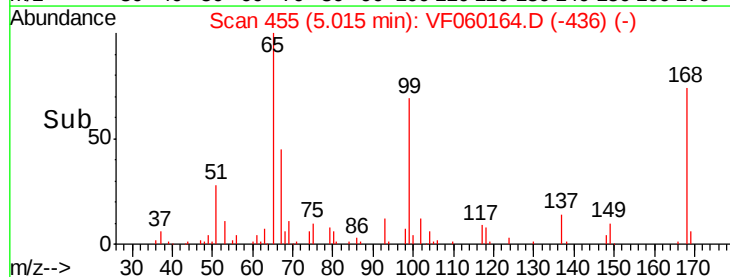
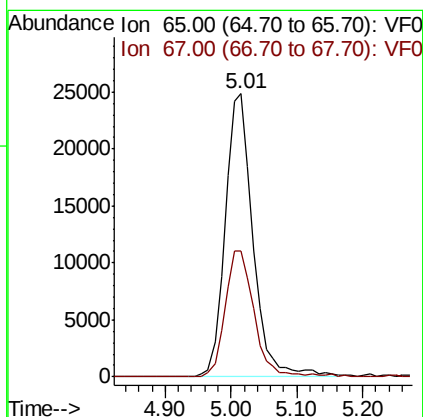
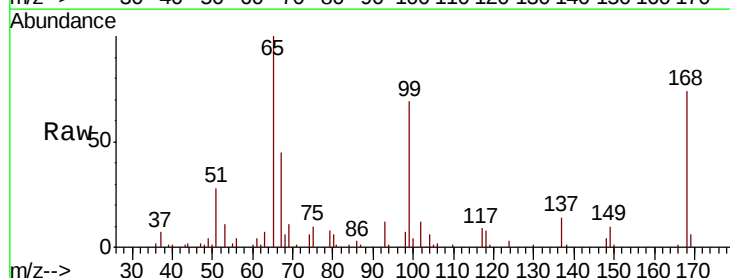
Acq: 28 Aug 2018 21:47

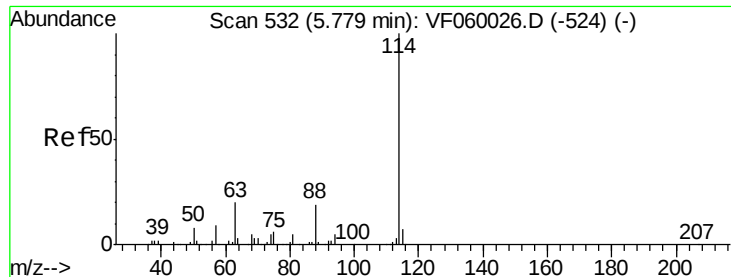
Tgt Ion: 65 Resp: 73414

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

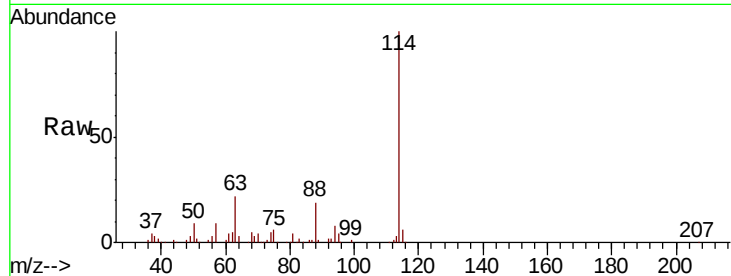
Tot Ion:114 Resp: 190116

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.4

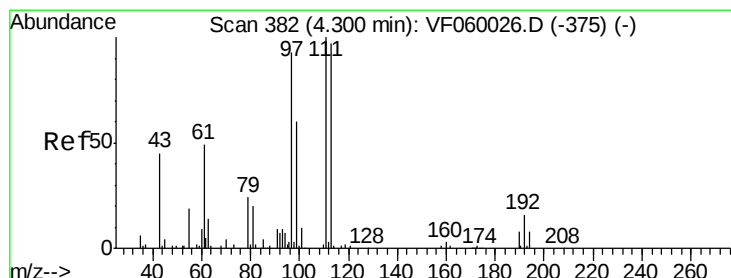
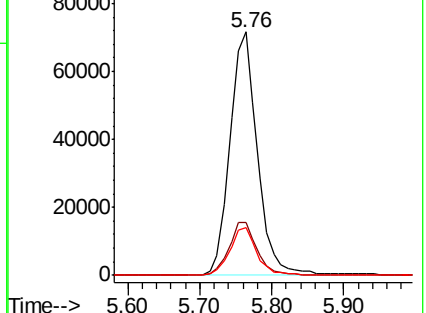
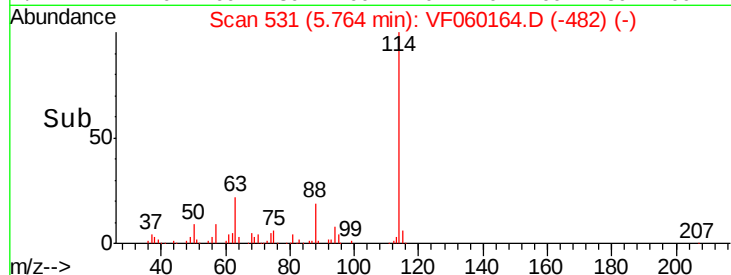
88 19.4 0.0 38.6



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

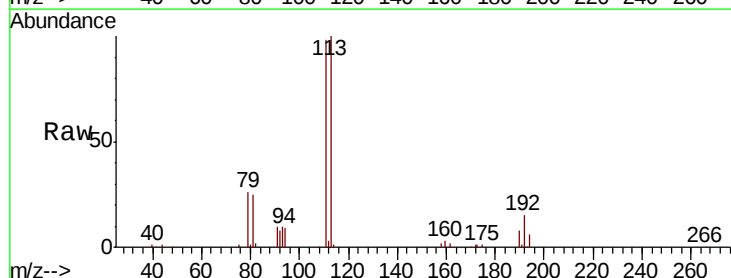
Tgt Ion:113 Resp: 74177

Ion Ratio Lower Upper

113 100

111 97.8 82.7 124.1

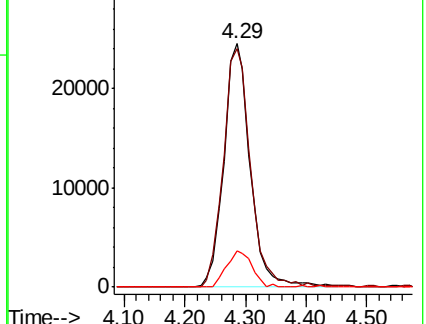
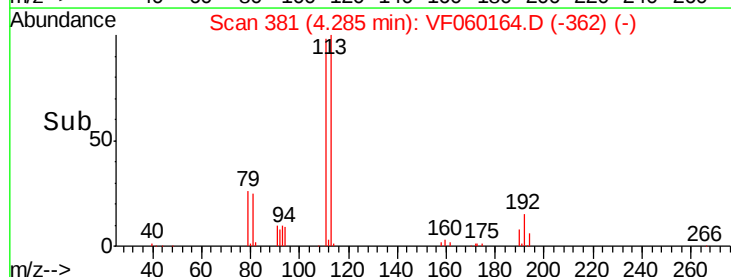
192 15.1 13.0 19.4

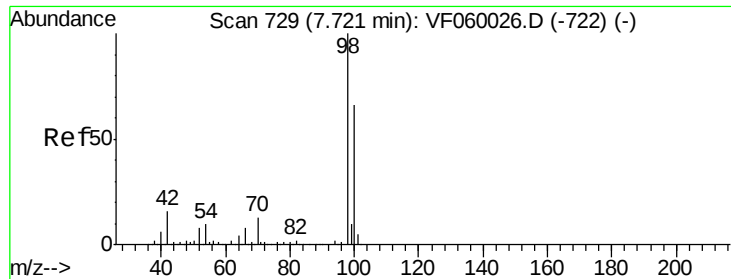


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#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

Instrument :

MSVOA_F

ClientSampleId :

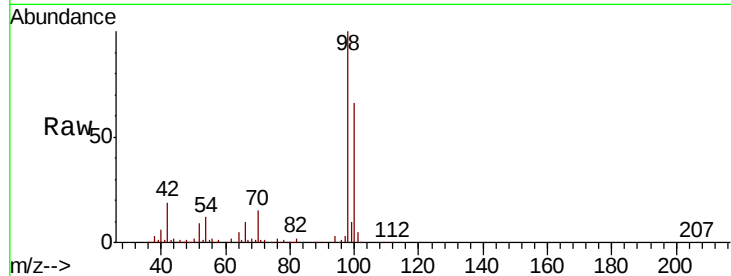
SB-3-@-8-FT

Tot Ion: 98 Resp: 183157

Ion Ratio Lower Upper

98 100

100 66.3 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

80000

60000

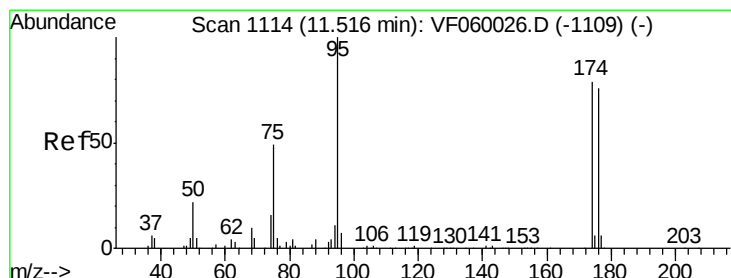
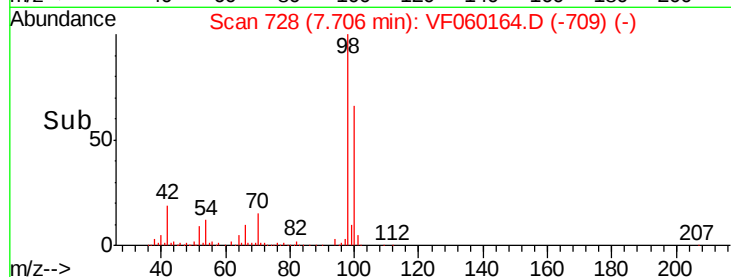
40000

20000

0

7.60 7.70 7.80 7.90

Time-->



#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

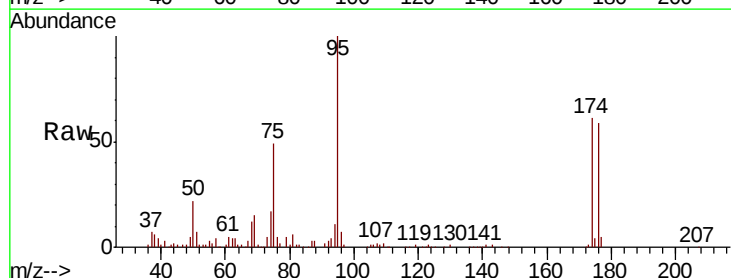
Tgt Ion: 95 Resp: 101849

Ion Ratio Lower Upper

95 100

174 60.8 0.0 158.4

176 59.5 0.0 153.0



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

60000

50000

40000

30000

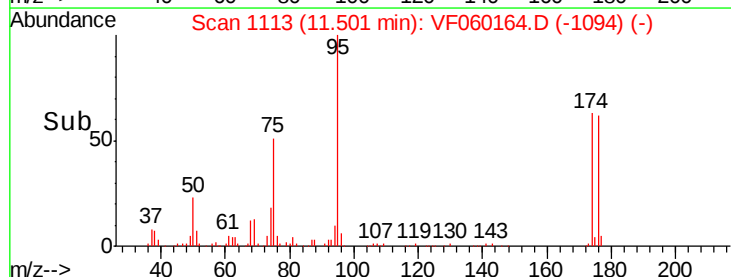
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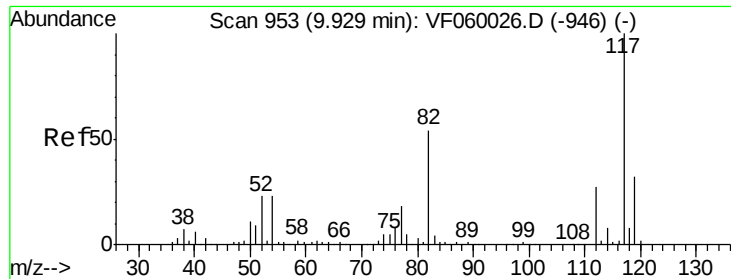
10000

0

11.40 11.50 11.60

Time-->

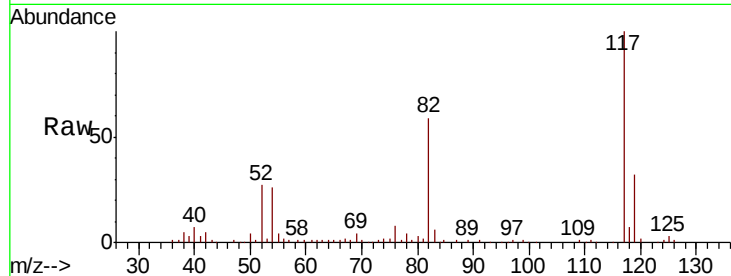




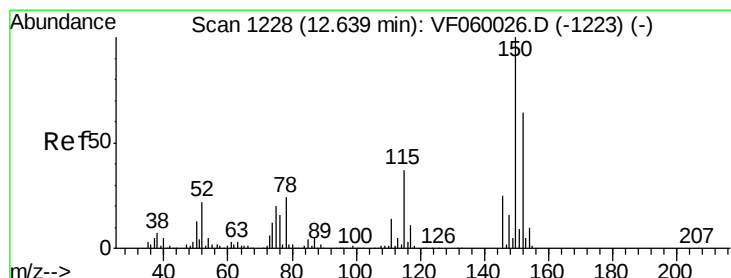
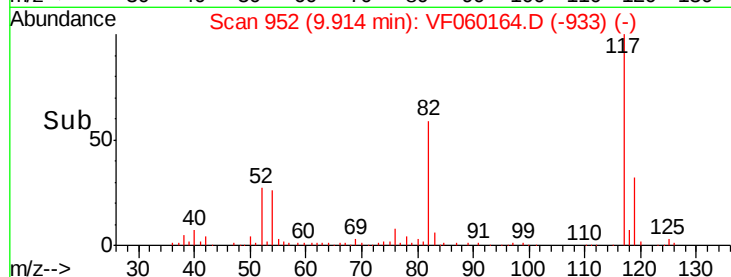
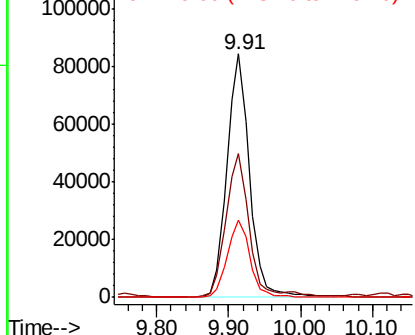
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060164.D
Acq: 28 Aug 2018 21:47

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

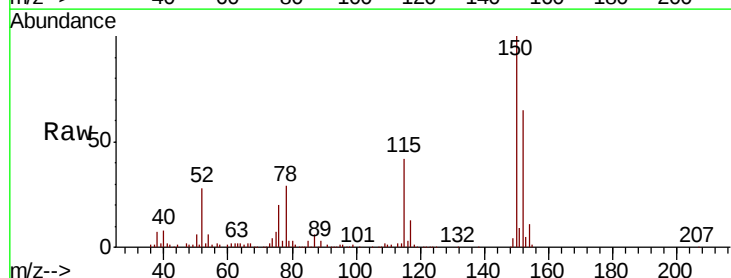


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

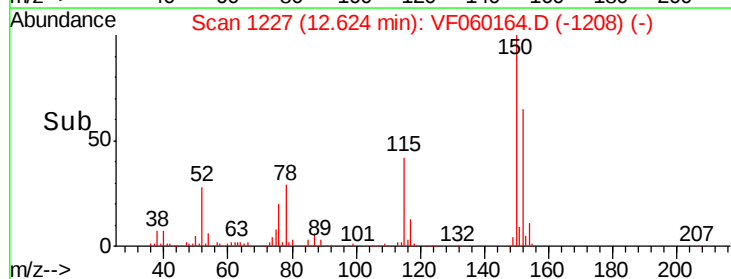
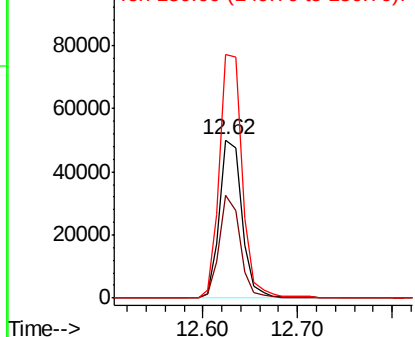


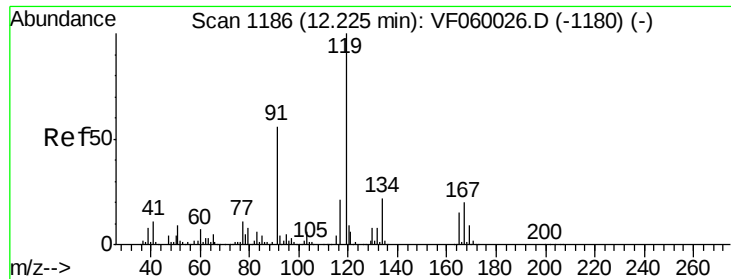
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060164.D
Acq: 28 Aug 2018 21:47

Tgt 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





#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

Instrument :

MSVOA_F

ClientSampleId :

SB-3-@-8-FT

Tot Ion:119 Resp: 5036

Ion Ratio Lower Upper

119 100

91 115.1 28.1 84.3#

134 27.3 11.1 33.3

