

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
 Data File : VF060128.D
 Acq On : 27 Aug 2018 16:42
 Operator : VA/AP
 Sample : J4646-10
 Misc : 5.10g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 27 17:11:01 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	146872	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	205105	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	193046	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	98213	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	67850	33.75	ug/l	-0.03
Spiked Amount				50.000		
Recovery						67.50%
35) Dibromofluoromethane	4.27	113	73034	45.35	ug/l	-0.03
Spiked Amount				50.000		
Recovery						90.70%
50) Toluene-d8	7.70	98	185971	40.66	ug/l	-0.02
Spiked Amount				50.000		
Recovery						81.32%
62) 4-Bromofluorobenzene	11.50	95	85541	35.35	ug/l	-0.02
Spiked Amount				50.000		
Recovery						70.70%

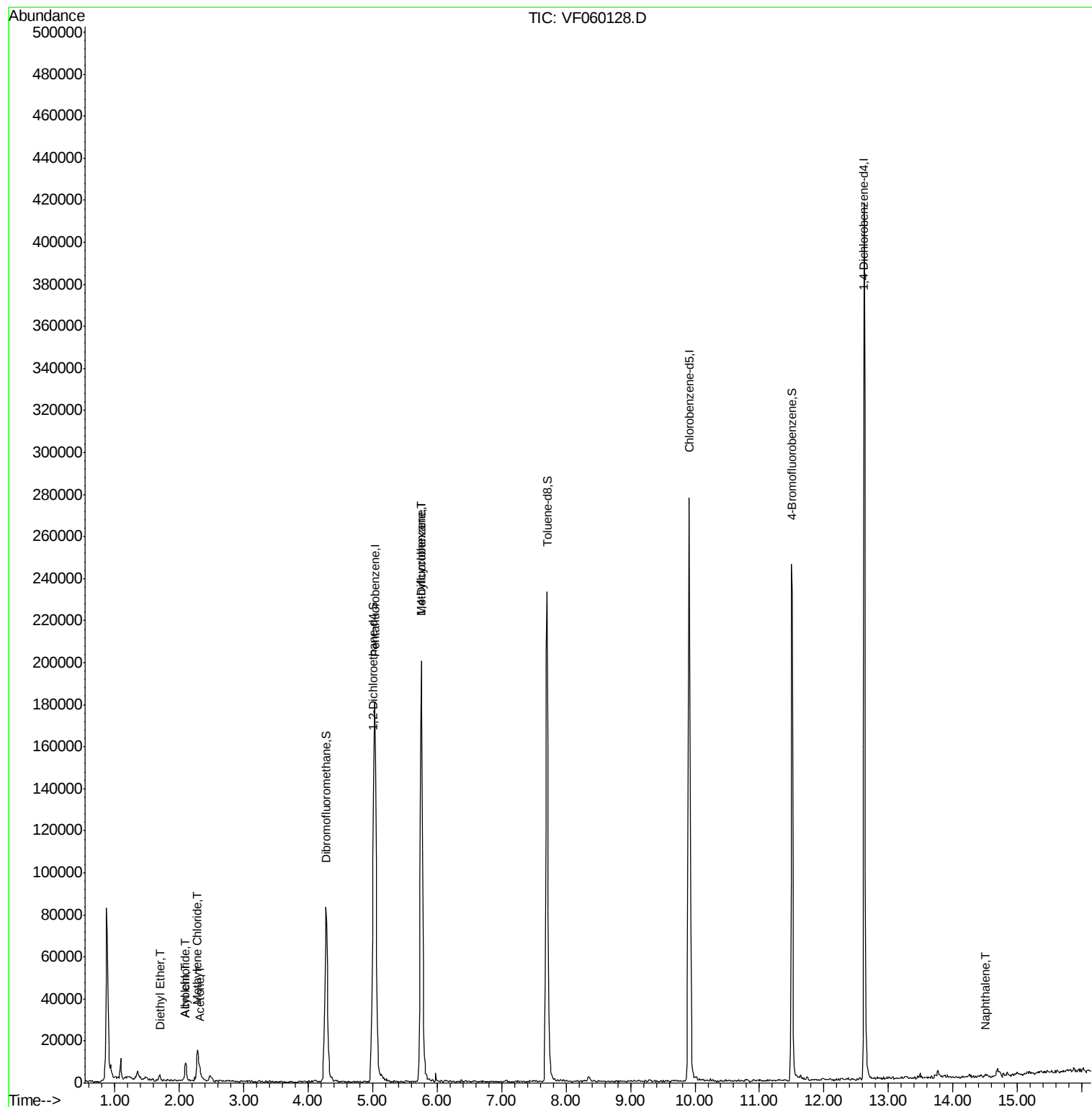
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	1102	Below Cal		97
8) Diethyl Ether	1.69	74	732	1.696	ug/l	89
13) Acrolein	2.09	56	215	29.268	ug/l #	1
14) Allyl chloride	2.11	41	3192	1.925	ug/l #	86
16) Acetone	2.32	43	4665	8.830	ug/l	93
18) Methyl Acetate	2.49	43	1096	Below Cal	#	60
20) Methylene Chloride	2.28	84	8412	3.297	ug/l #	90
39) Methylcyclohexane	5.76	83	3022	1.672	ug/l #	32
52) Toluene	7.77	92	70	Below Cal	#	59
95) Naphthalene	14.51	128	256	2.353	ug/l #	69

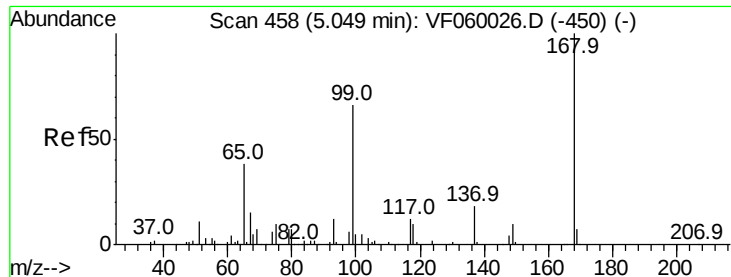
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_F
ClientSampleId :

Quant Time: Aug 27 17:11:01 2018
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: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF060128.D

Acq: 27 Aug 2018 16:42

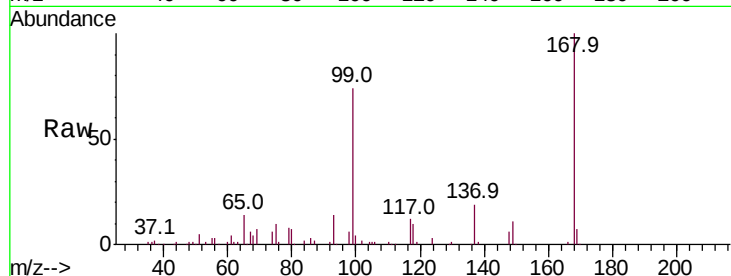
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 146872

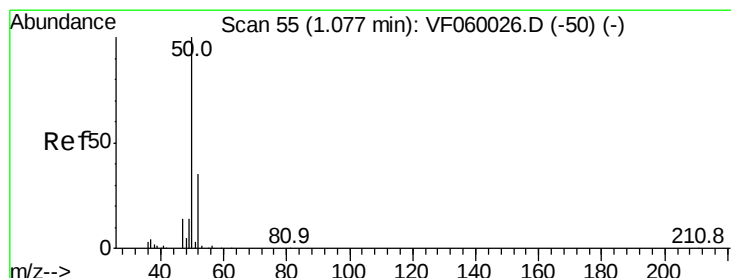
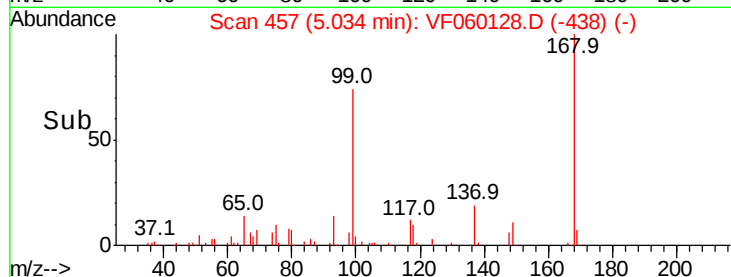
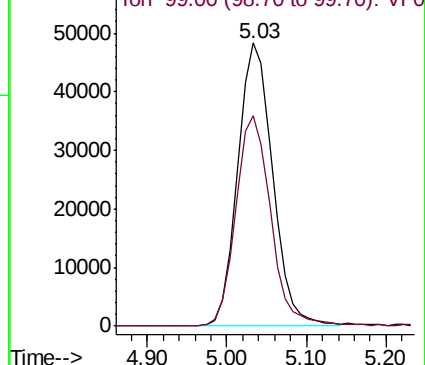
Ion Ratio Lower Upper

168 100

99 74.4 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF060128.D

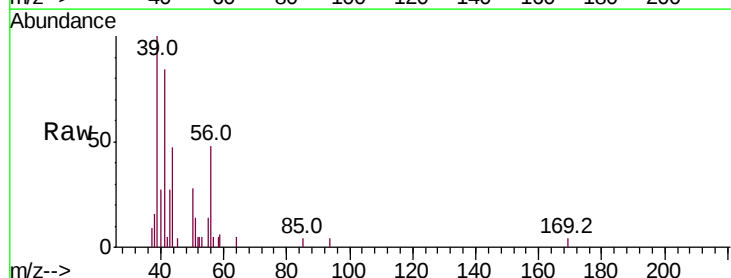
Acq: 27 Aug 2018 16:42

Tgt Ion: 50 Resp: 1102

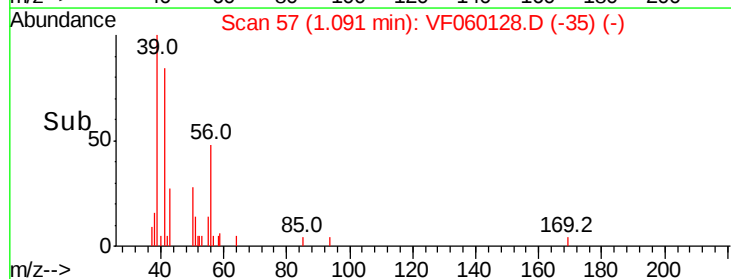
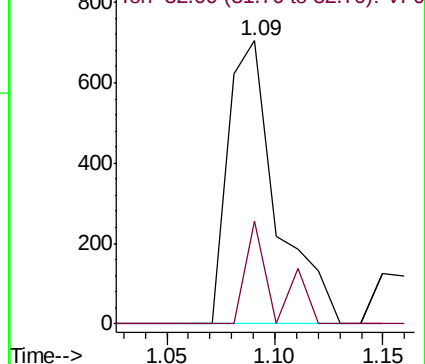
Ion Ratio Lower Upper

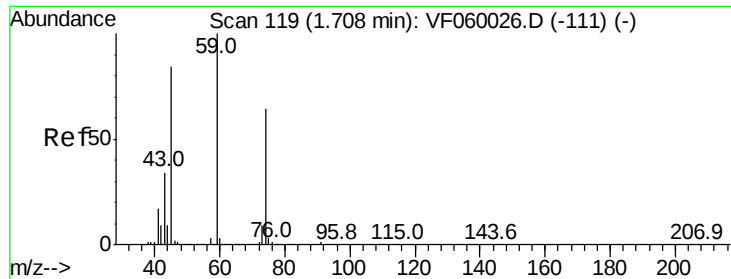
50 100

52 36.4 27.6 41.4



Abundance Ion 50.00 (49.70 to 50.70): VF0





#8

Diethyl Ether

Concen: 1.696 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.02 min

Lab File: VF060128.D

Acq: 27 Aug 2018 16:42

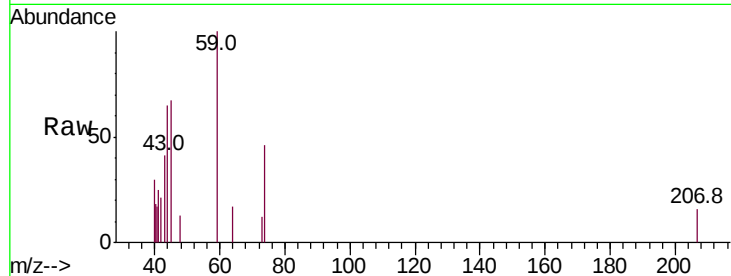
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 74 Resp: 732

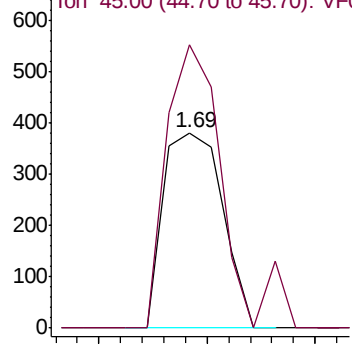
Ion Ratio Lower Upper

74 100

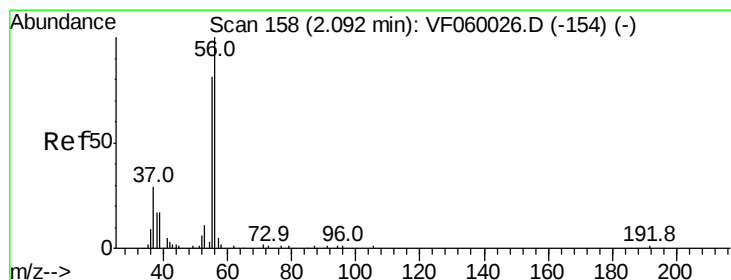
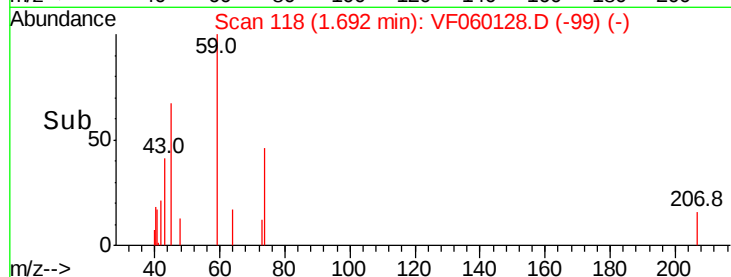
45 144.9 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0



Time-->



#13

Acrolein

Concen: 29.268 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF060128.D

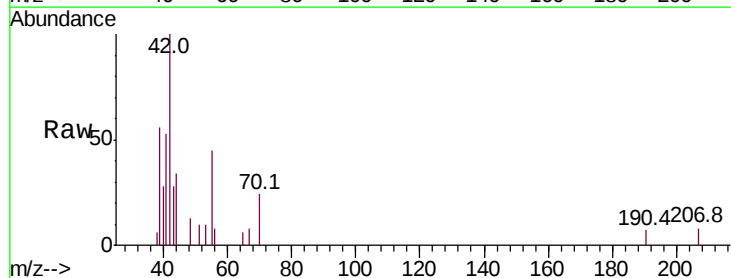
Acq: 27 Aug 2018 16:42

Tgt Ion: 56 Resp: 215

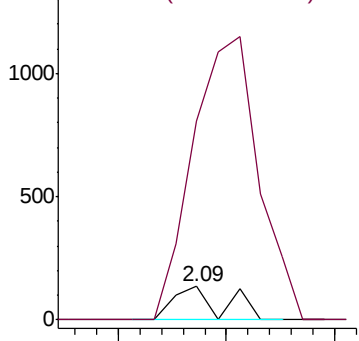
Ion Ratio Lower Upper

56 100

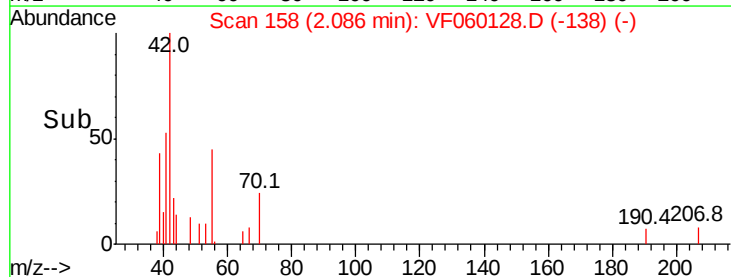
55 591.2 65.6 98.4#

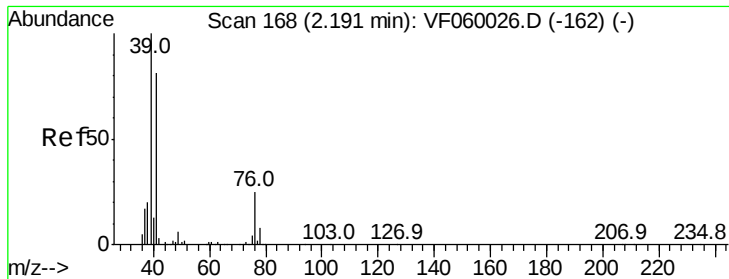


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 55.00 (54.70 to 55.70): VF0



Time-->

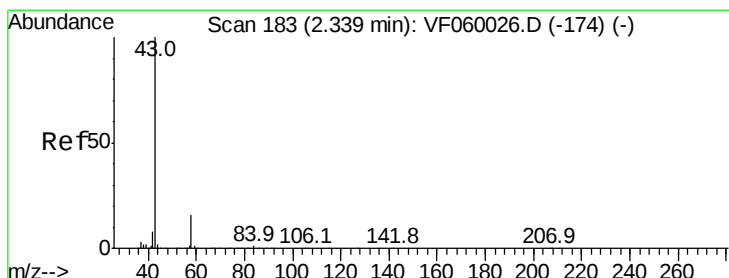
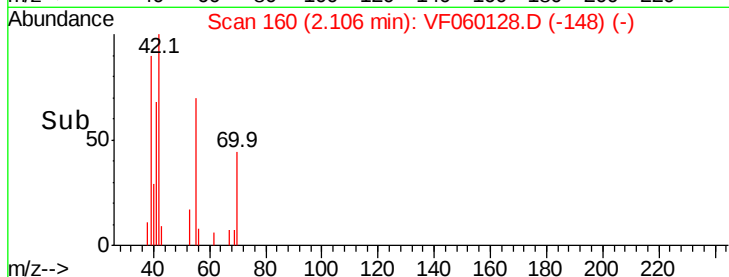
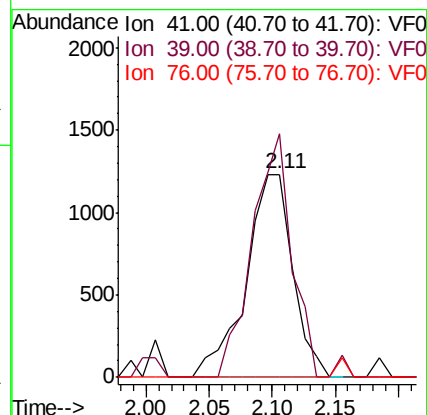
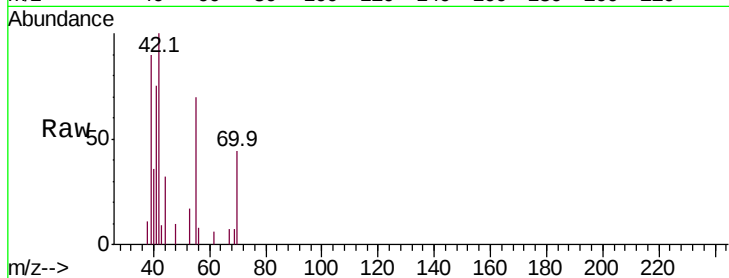




#14
Allvl chloride
Concen: 1.925 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.08 min
Lab File: VF060128.D
Acq: 27 Aug 2018 16:42

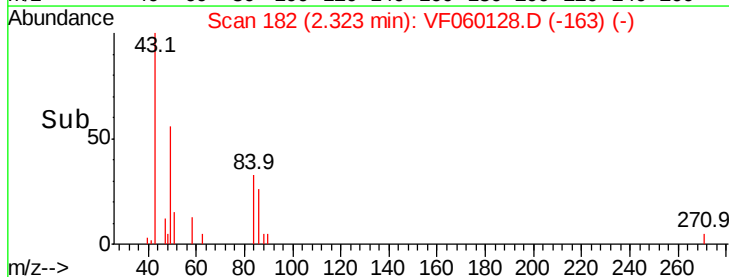
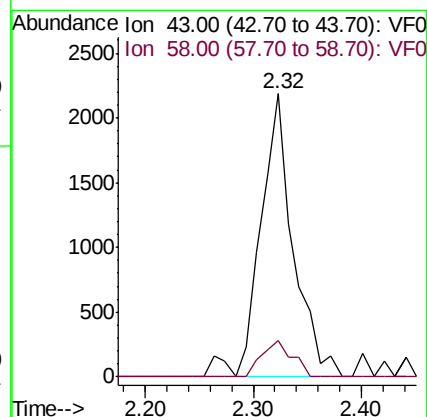
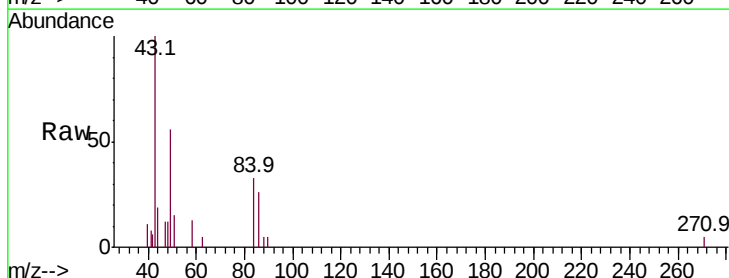
Instrument :
MSVOA_F
ClientSampleId :

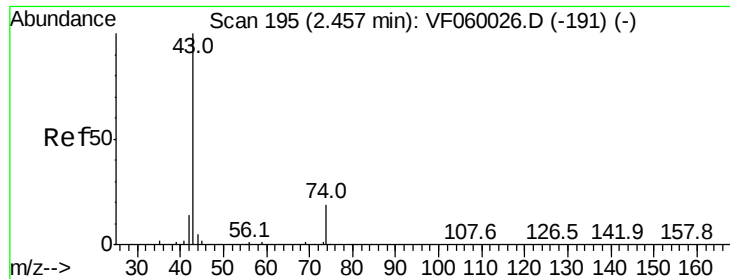
Tot Ion: 41 Resp: 3192
Ion Ratio Lower Upper
41 100
39 120.0 99.3 148.9
76 0.0 24.3 36.5#



#16
Acetone
Concen: 8.830 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF060128.D
Acq: 27 Aug 2018 16:42

Tgt Ion: 43 Resp: 4665
Ion Ratio Lower Upper
43 100
58 12.8 12.6 19.0

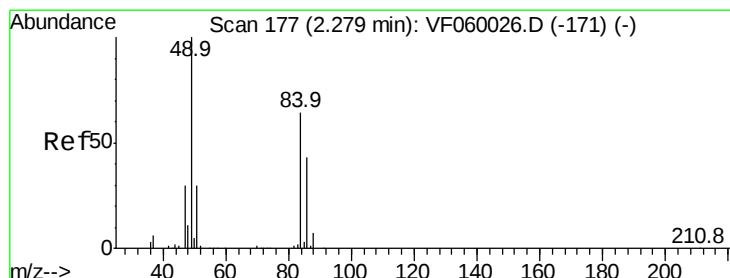
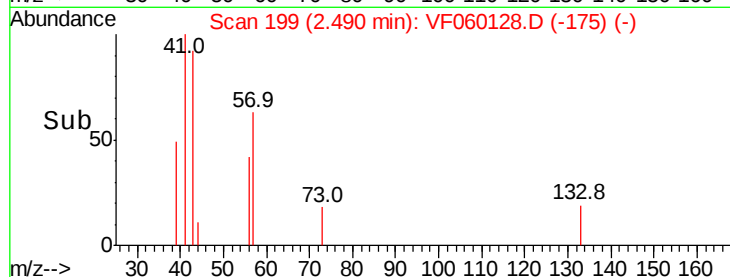
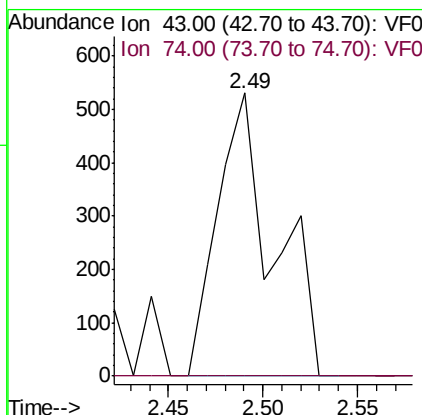
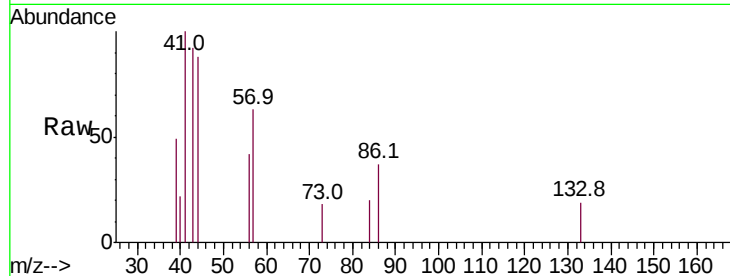




#18
Methvl Acetate
Concen: Below Cal
RT: 2.49 min Scan# 199
Delta R.T. 0.03 min
Lab File: VF060128.D
Acq: 27 Aug 2018 16:42

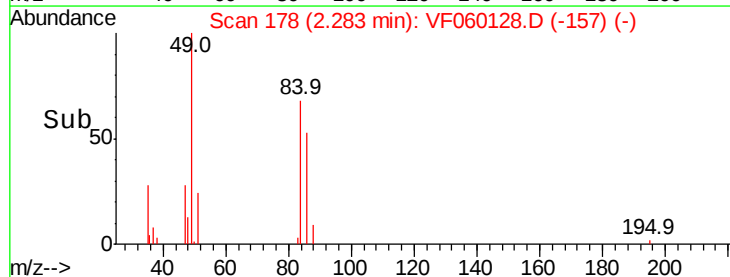
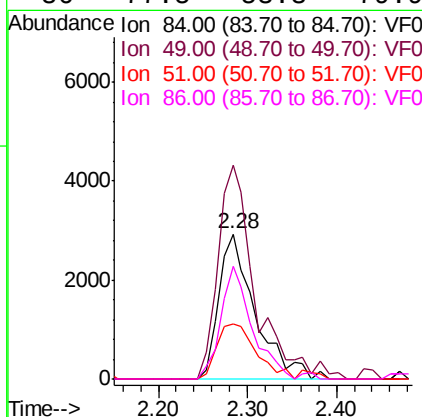
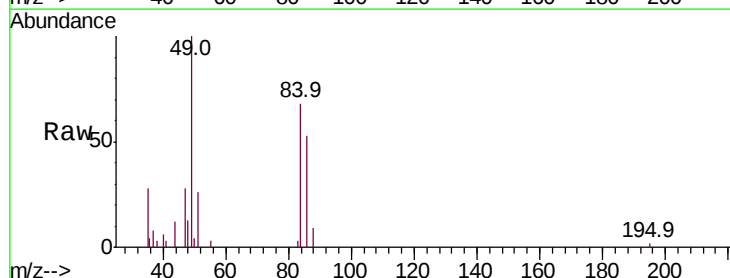
Instrument :
MSVOA_F
ClientSampleId :

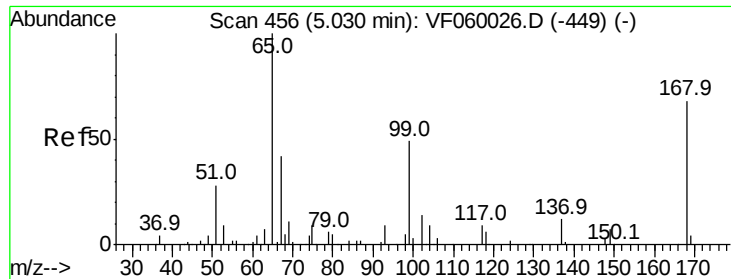
Tot Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#



#20
Methylene Chloride
Concen: 3.297 ug/l
RT: 2.28 min Scan# 178
Delta R.T. 0.00 min
Lab File: VF060128.D
Acq: 27 Aug 2018 16:42

Tgt Ion: 84 Resp: 8412
Ion Ratio Lower Upper
84 100
49 147.2 125.4 188.0
51 38.2 38.3 57.5#
86 77.5 53.3 79.9





#33

1,2-Dichloroethane-d4

Concen: 33.754 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF060128.D

Acq: 27 Aug 2018 16:42

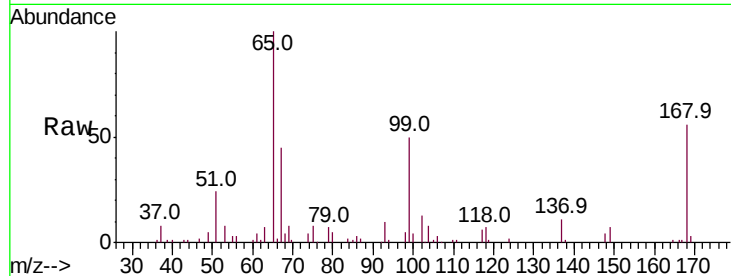
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 67850

Ion Ratio Lower Upper

65 100

67 45.0 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

25000

20000

15000

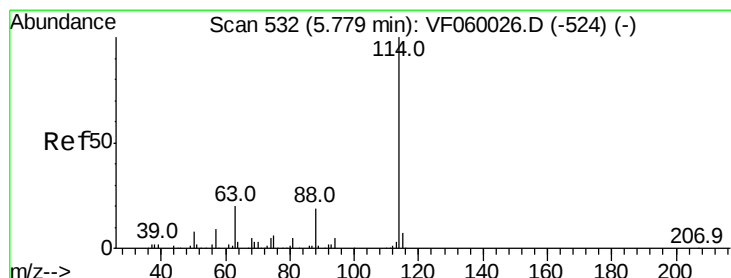
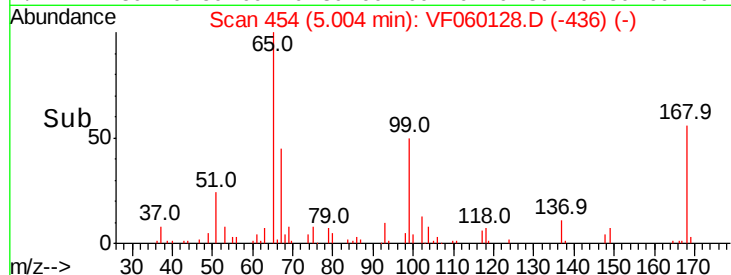
10000

5000

0

4.90 5.00 5.10 5.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.03 min

Lab File: VF060128.D

Acq: 27 Aug 2018 16:42

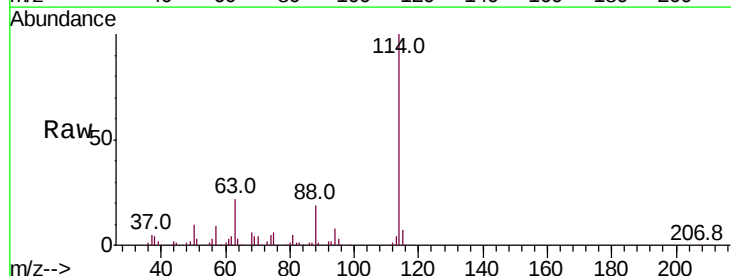
Tgt Ion:114 Resp: 205105

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.4

88 19.2 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

100000

80000

60000

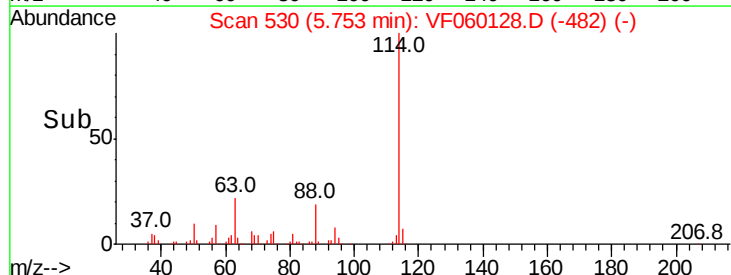
40000

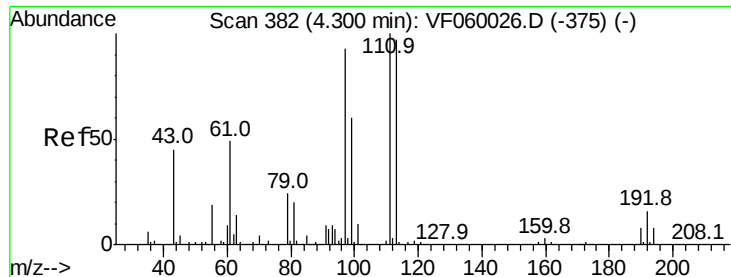
20000

0

5.60 5.75 5.80 6.00

Time-->





#35

Dibromofluoromethane

Concen: 45.346 ug/l

RT: 4.27 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF060128.D

Acq: 27 Aug 2018 16:42

Instrument :

MSVOA_F

ClientSampleId :

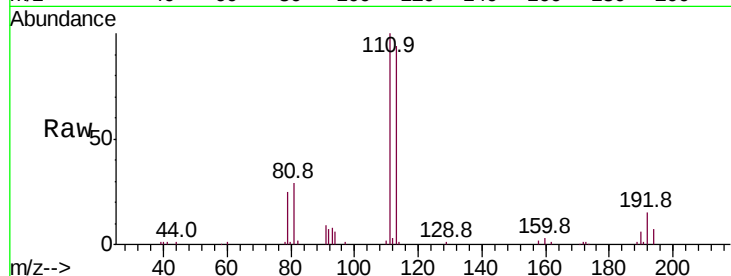
Tot Ion:113 Resp: 73034

Ion Ratio Lower Upper

113 100

111 104.8 82.7 124.1

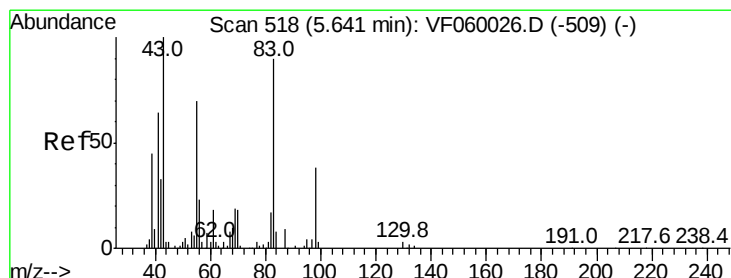
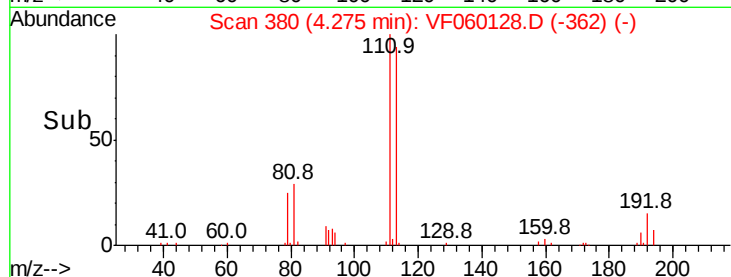
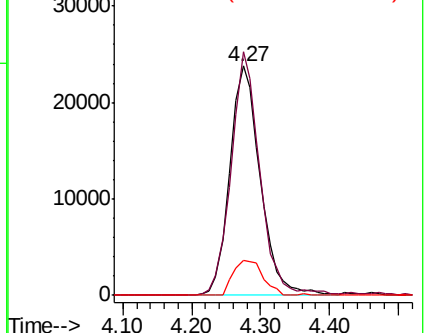
192 15.2 13.0 19.4



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



#39

Methylcyclohexane

Concen: 1.672 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.12 min

Lab File: VF060128.D

Acq: 27 Aug 2018 16:42

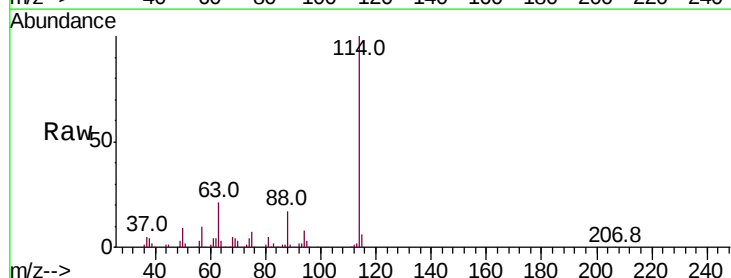
Tgt Ion: 83 Resp: 3022

Ion Ratio Lower Upper

83 100

55 18.5 62.7 94.1#

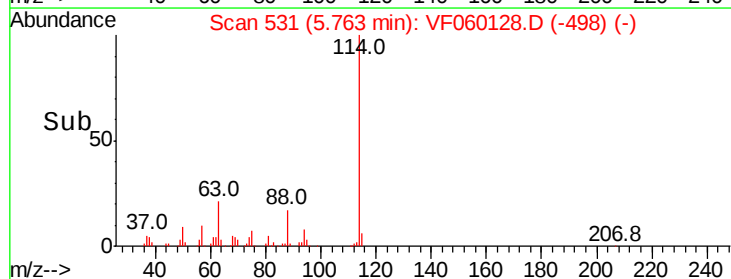
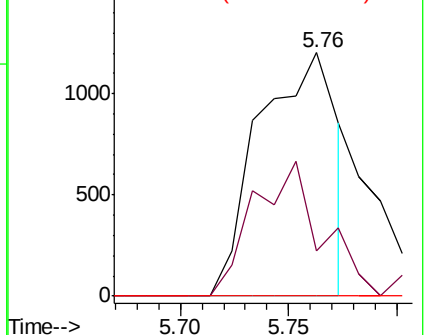
98 0.0 33.8 50.8#

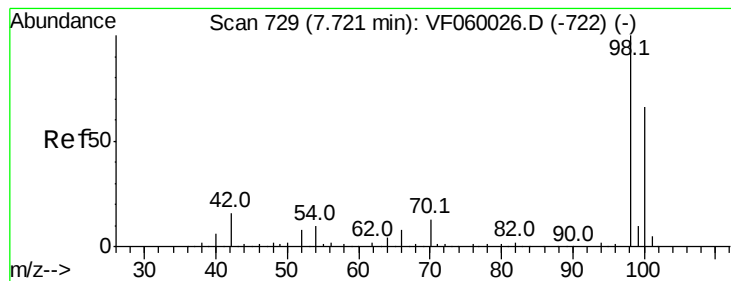


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#50

Toluene-d8

Concen: 40.658 ug/l

RT: 7.70 min Scan# 728

Delta R.T. -0.02 min

Lab File: VF060128.D

Acq: 27 Aug 2018 16:42

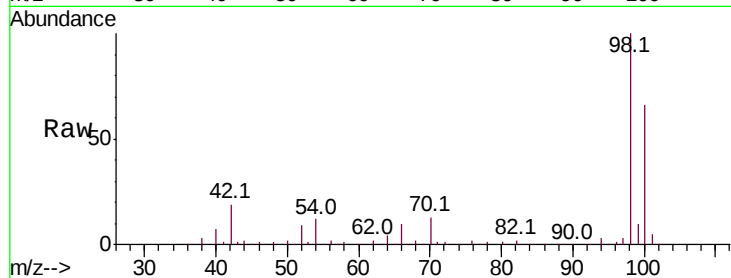
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 98 Resp: 185971

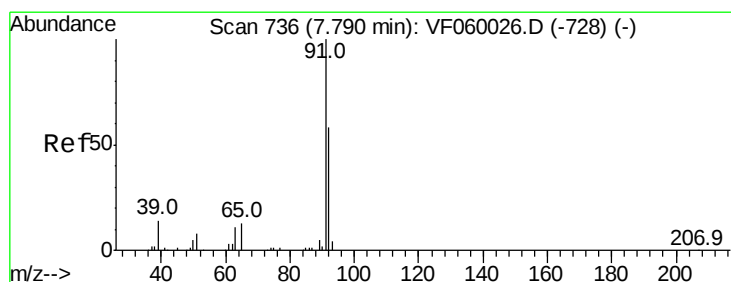
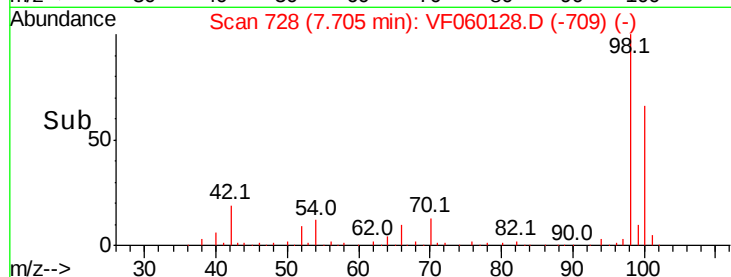
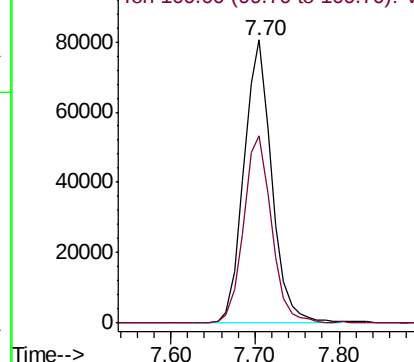
Ion Ratio Lower Upper

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



#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF060128.D

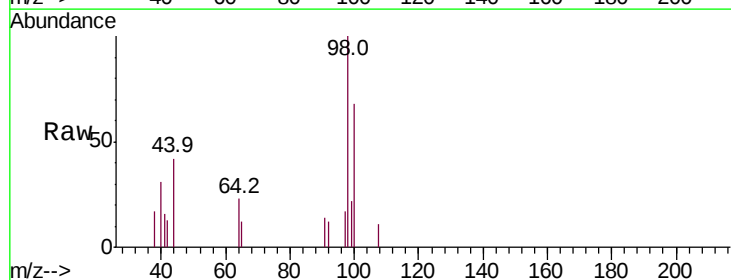
Acq: 27 Aug 2018 16:42

Tgt Ion: 92 Resp: 70

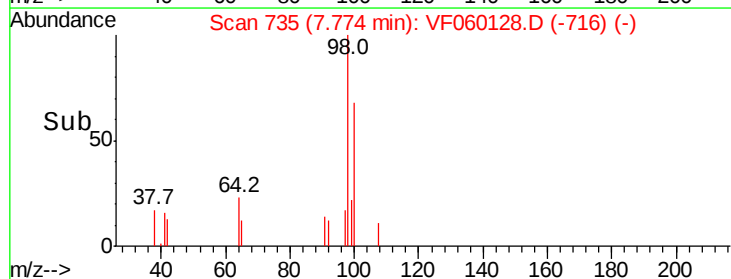
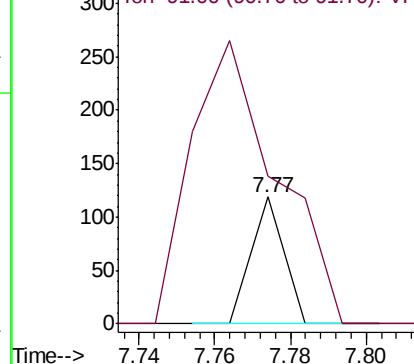
Ion Ratio Lower Upper

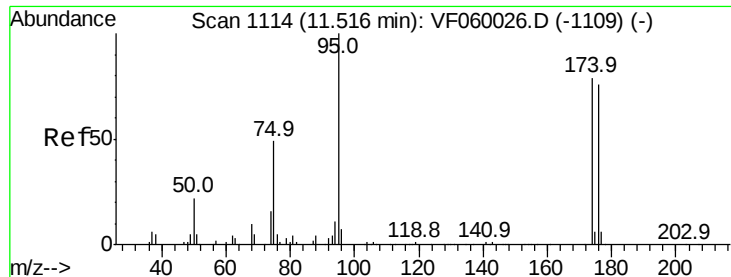
92 100

91 116.0 137.7 206.5#



Abundance Ion 92.00 (91.70 to 92.70): VF0
Ion 91.00 (90.70 to 91.70): VF0

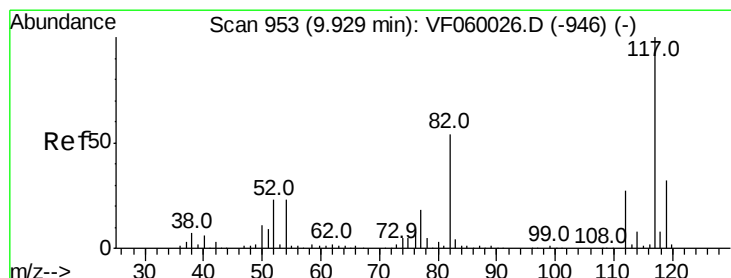
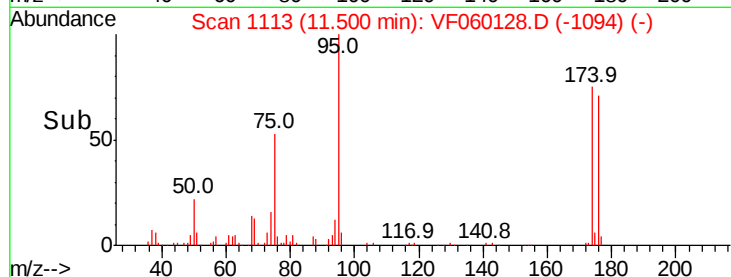
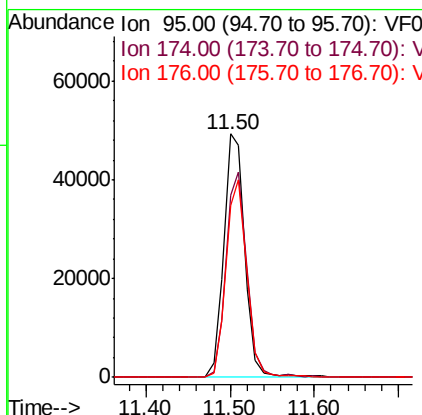
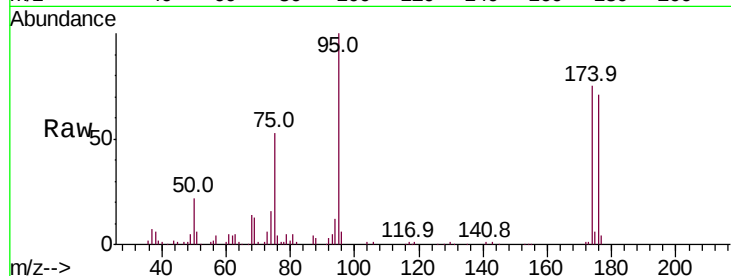




#62
4-Bromofluorobenzene
Concen: 35.352 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VF060128.D
Acq: 27 Aug 2018 16:42

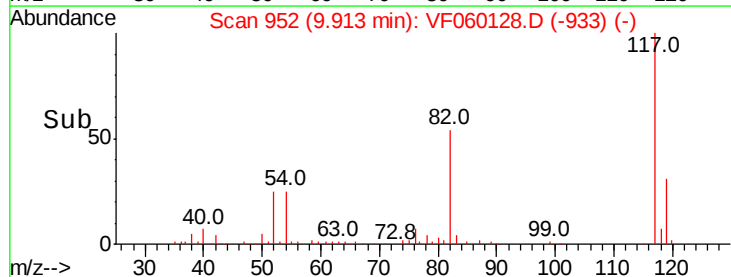
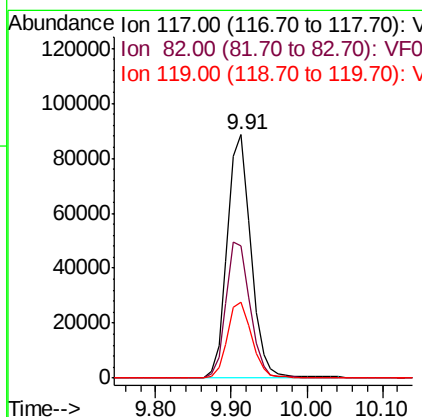
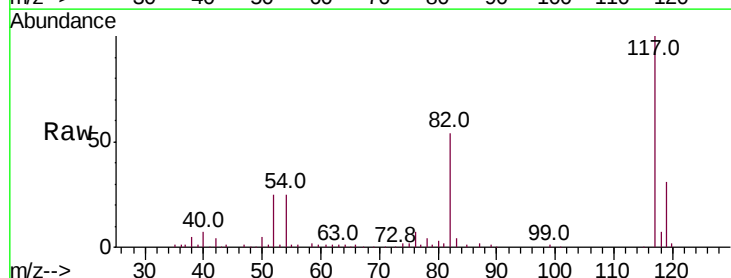
Instrument :
MSVOA_F
ClientSampleId :

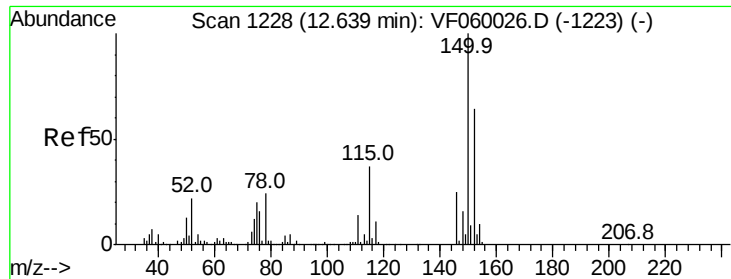
Tot Ion: 95 Resp: 85541
Ion Ratio Lower Upper
95 100
174 74.9 0.0 158.4
176 70.6 0.0 153.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF060128.D
Acq: 27 Aug 2018 16:42

Tgt Ion: 117 Resp: 193046
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 31.1 25.6 38.4



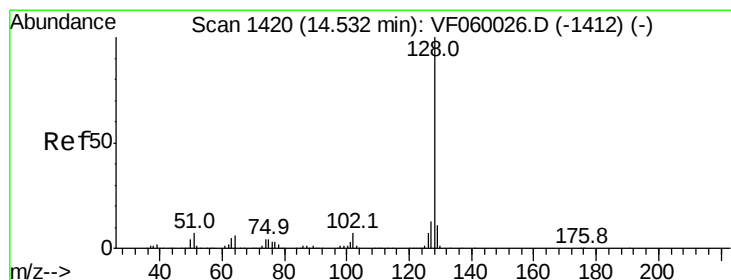
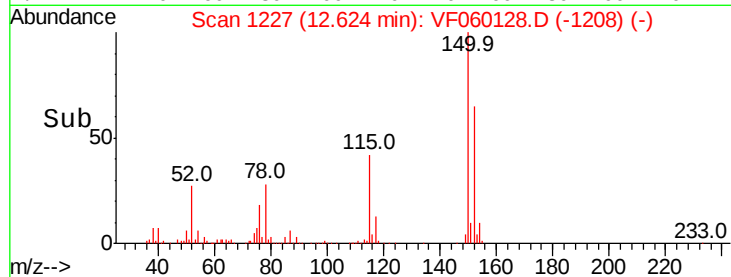
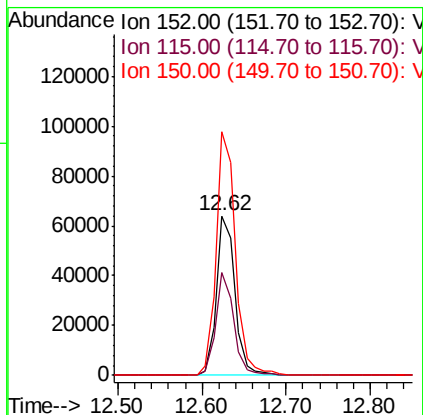
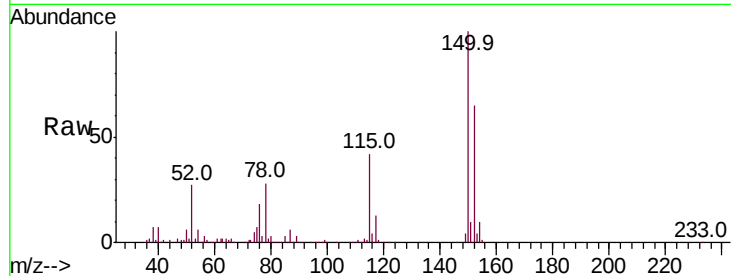


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF060128.D
Acq: 27 Aug 2018 16:42

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:152 Resp: 98213
Ion Ratio Lower Upper
152 100
115 64.7 28.6 85.9
150 152.9 0.0 312.0



#95

Naphthalene
Concen: 2.353 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.02 min
Lab File: VF060128.D
Acq: 27 Aug 2018 16:42

Tgt Ion:128 Resp: 256
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.5 12.7#

