

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
 Data File : VF060127.D
 Acq On : 27 Aug 2018 16:15
 Operator : VA/AP
 Sample : J4646-03
 Misc : 5.28g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 27 16:54:15 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	151480	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	222844	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	258552	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	170124	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	105030	50.66	ug/l	-0.02
Spiked Amount			Recovery	=	101.32%	
35) Dibromofluoromethane	4.28	113	99929	57.11	ug/l	-0.02
Spiked Amount			Recovery	=	114.22%	
50) Toluene-d8	7.70	98	238069	47.90	ug/l	-0.02
Spiked Amount			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.50	95	131647	50.08	ug/l	-0.01
Spiked Amount			Recovery	=	100.16%	

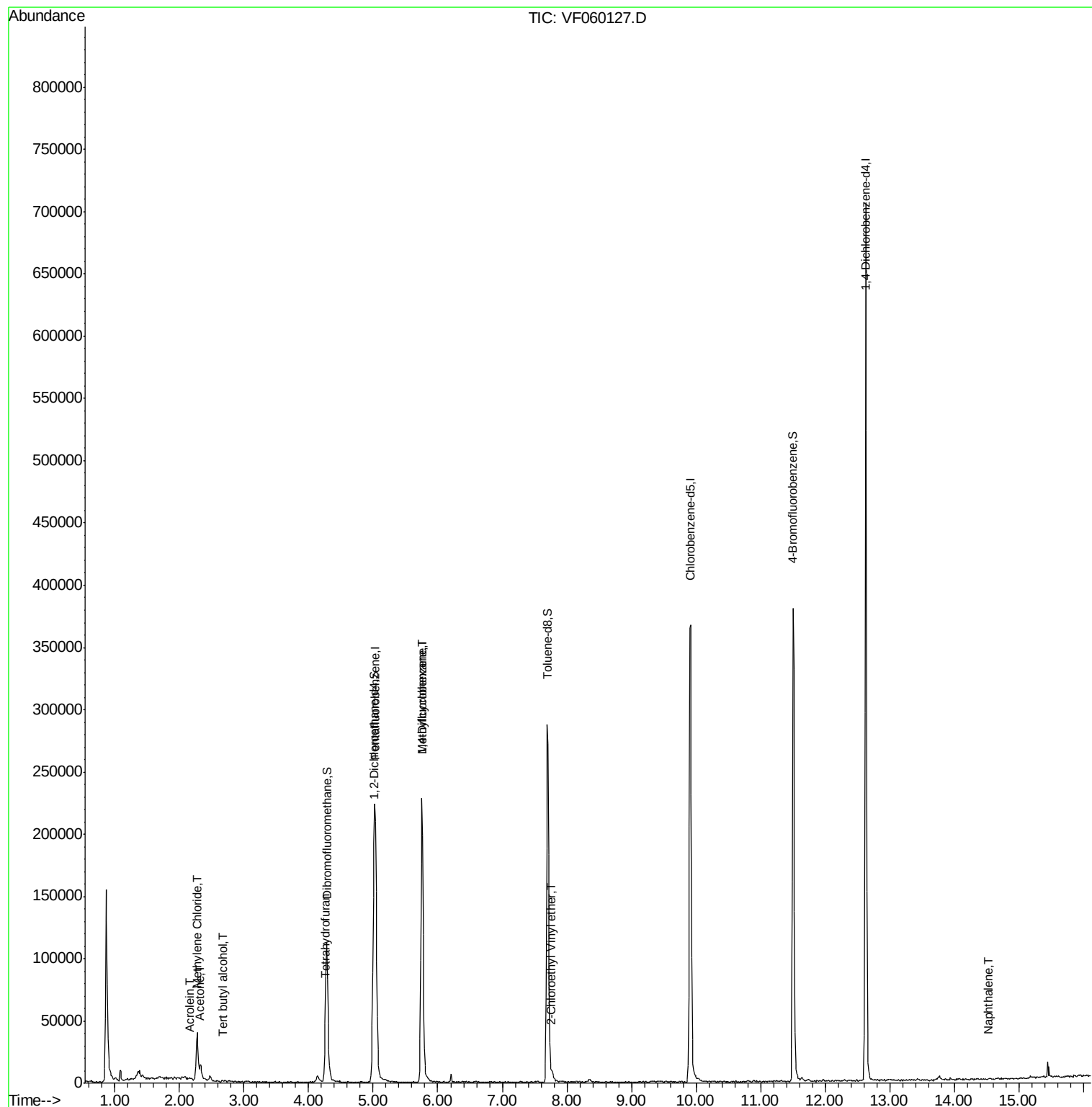
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	790	Below Cal	#	84
11) Tert butyl alcohol	2.66	59	251	2.276	ug/l #	80
13) Acrolein	2.17	56	90	27.519	ug/l	97
16) Acetone	2.32	43	14556	26.714	ug/l	95
18) Methyl Acetate	2.46	43	2358	Below Cal	#	60
20) Methylene Chloride	2.27	84	20106	15.166	ug/l	90
29) Tetrahydrofuran	4.25	42	303	1.134	ug/l #	53
39) Methylcyclohexane	5.75	83	3513	1.789	ug/l #	44
52) Toluene	7.77	92	2294	Below Cal		94
58) 2-Chloroethyl Vinyl ether	7.77	63	219	1.847	ug/l	100
68) m/p-Xylenes	10.26	106	334	Below Cal		73
95) Naphthalene	14.52	128	320	2.334	ug/l #	39

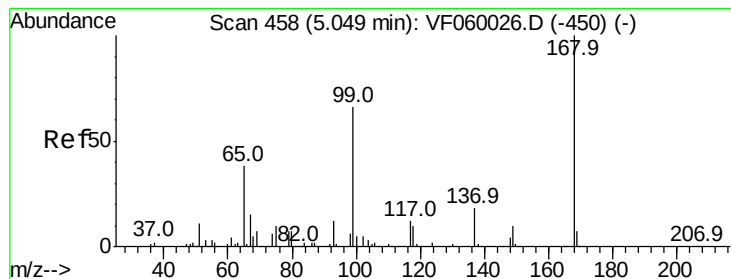
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082718\
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Quant Time: Aug 27 16:54:15 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. -0.01 min

Lab File: VF060127.D

Acq: 27 Aug 2018 16:15

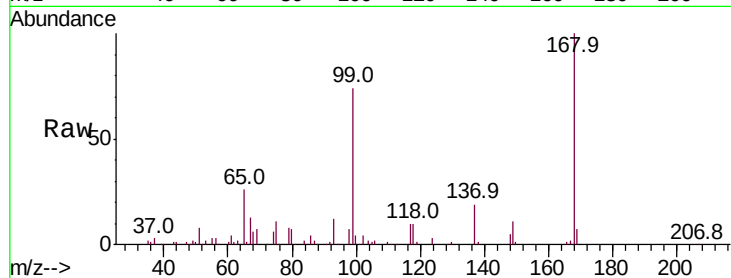
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 151480

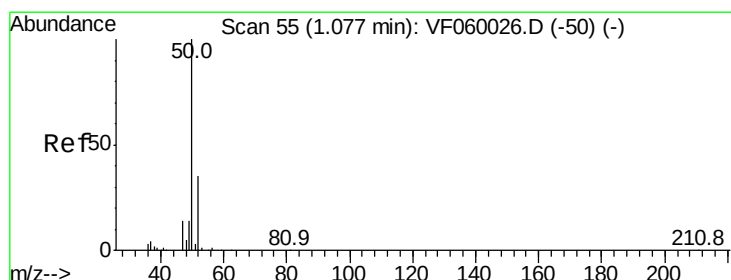
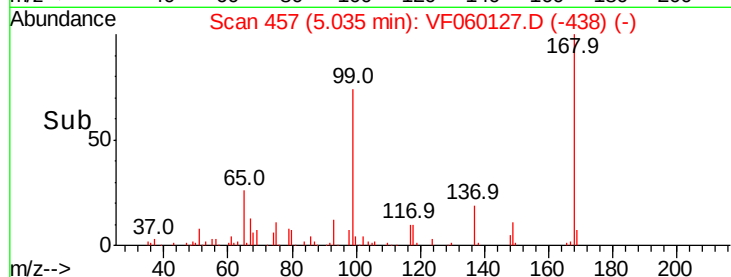
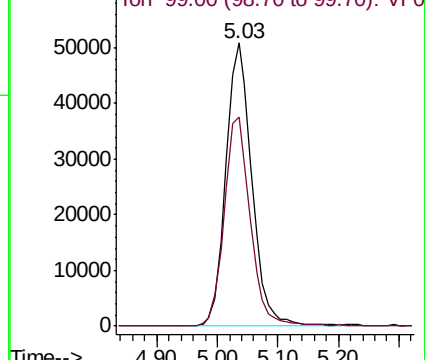
Ion Ratio Lower Upper

168 100

99 73.8 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060127.D

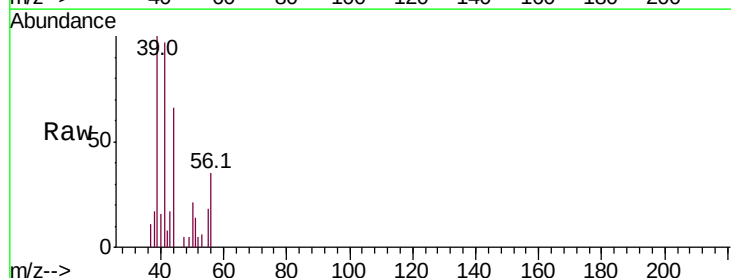
Acq: 27 Aug 2018 16:15

Tgt Ion: 50 Resp: 790

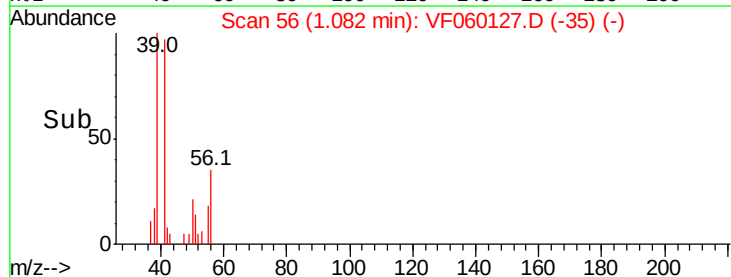
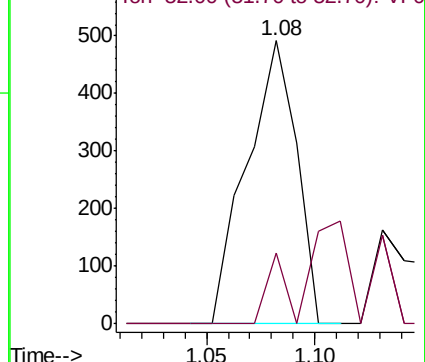
Ion Ratio Lower Upper

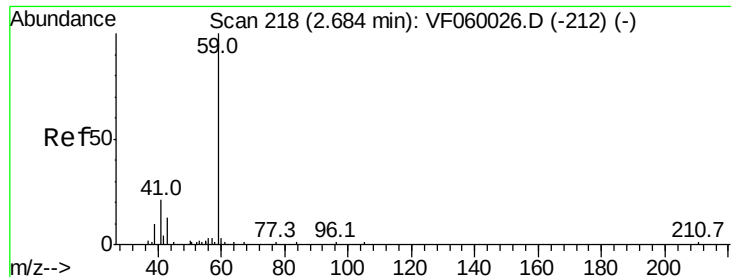
50 100

52 25.0 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0



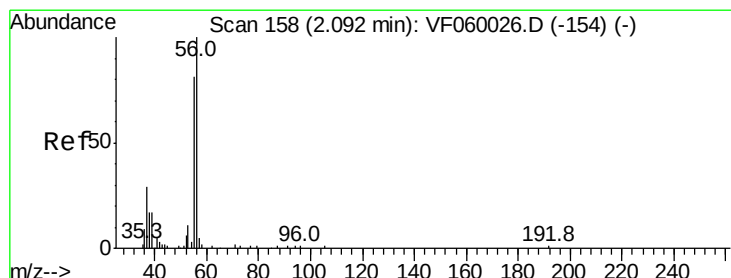
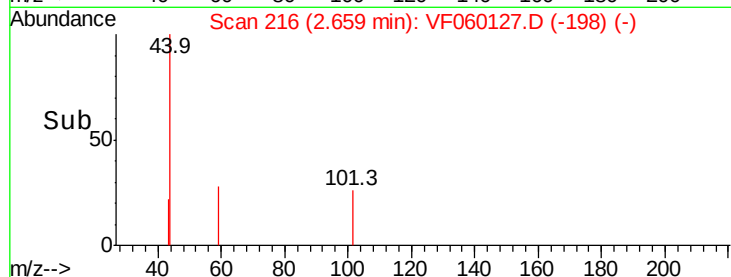
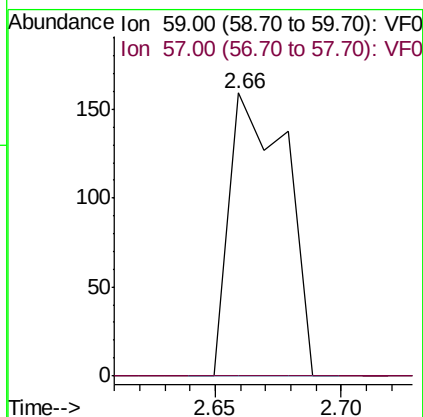
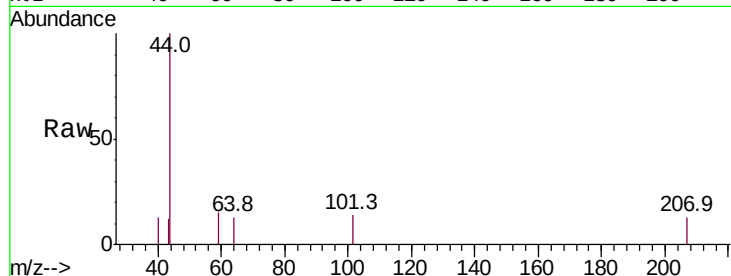


#11

Tert butyl alcohol
Concen: 2.276 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.02 min
Lab File: VF060127.D
Acq: 27 Aug 2018 16:15

Instrument :
MSVOA_F
ClientSampleId :

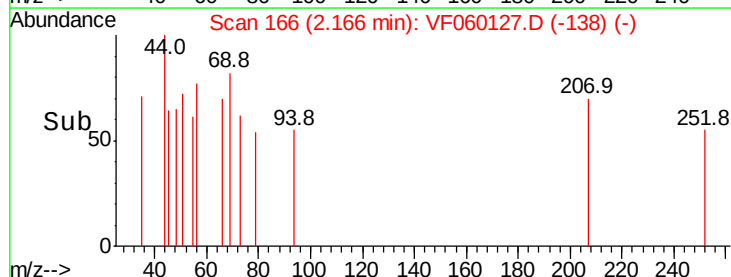
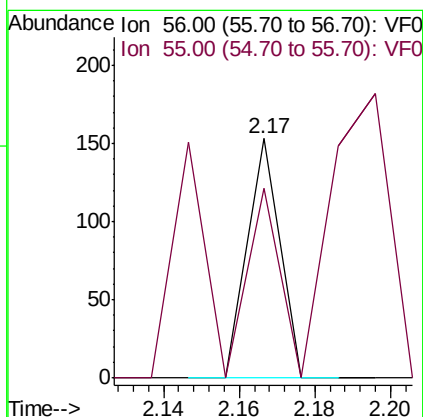
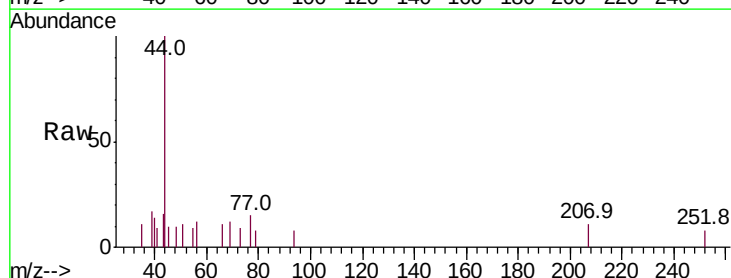
Tot Ion: 59 Resp: 251
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#

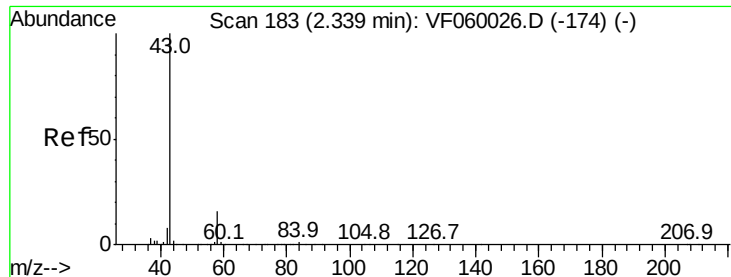


#13

Acrolein
Concen: 27.519 ug/l
RT: 2.17 min Scan# 166
Delta R.T. 0.07 min
Lab File: VF060127.D
Acq: 27 Aug 2018 16:15

Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 79.1 65.6 98.4





#16

Acetone

Concen: 26.714 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060127.D

Acq: 27 Aug 2018 16:15

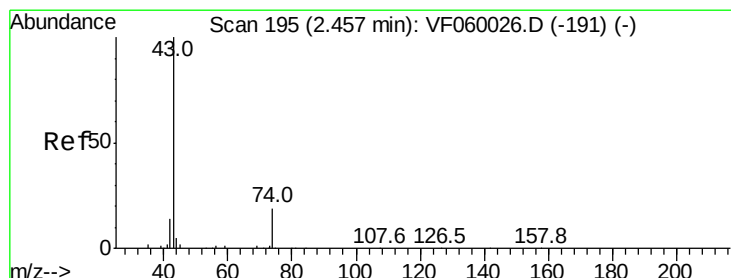
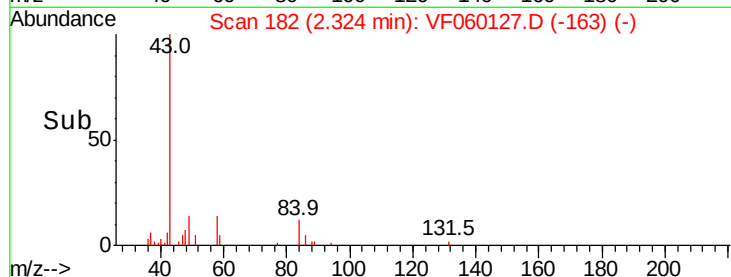
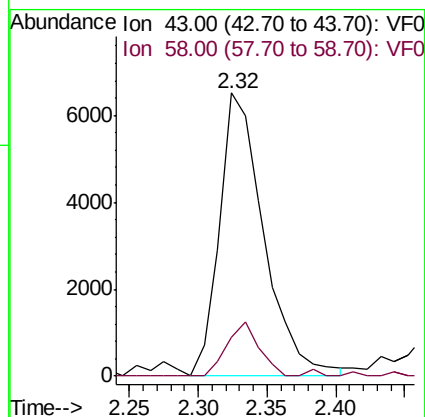
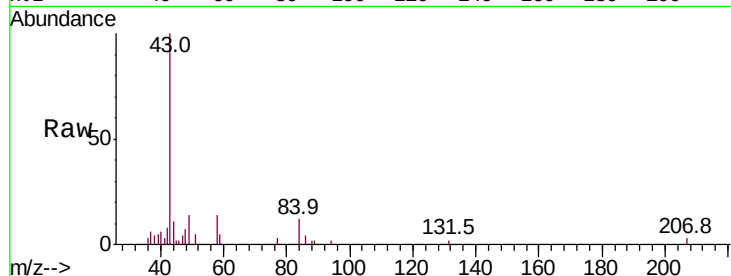
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 14556

Ion Ratio Lower Upper

43 100

58 13.7 12.6 19.0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF060127.D

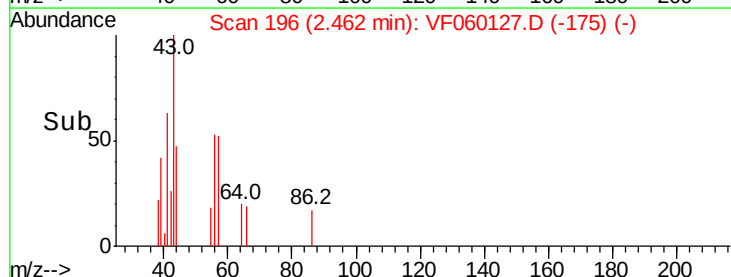
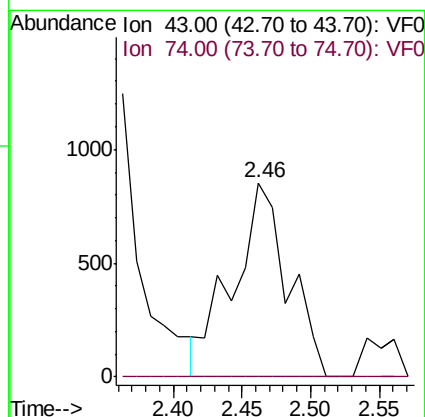
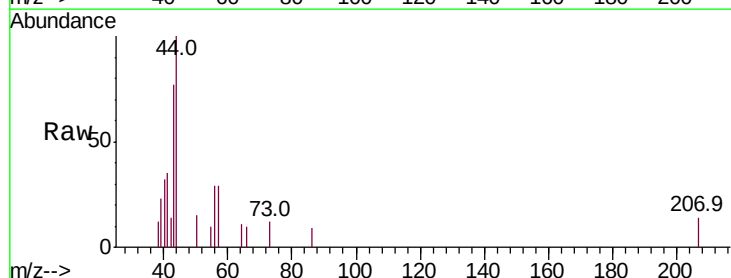
Acq: 27 Aug 2018 16:15

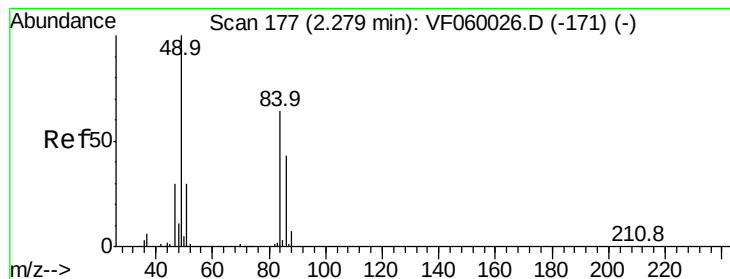
Tgt Ion: 43 Resp: 2358

Ion Ratio Lower Upper

43 100

74 0.0 13.8 20.6#





#20

Methylene Chloride

Concen: 15.166 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.00 min

Lab File: VF060127.D

Acq: 27 Aug 2018 16:15

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 84 Resp: 20106

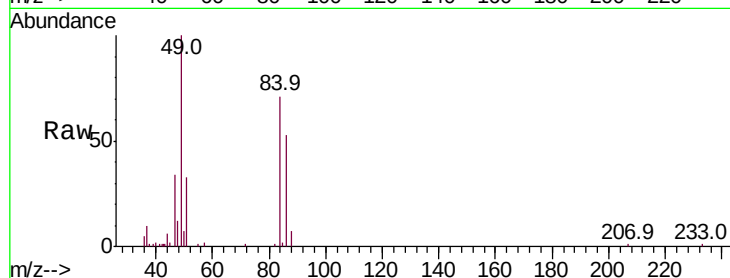
Ion Ratio Lower Upper

84 100

49 140.7 125.4 188.0

51 46.8 38.3 57.5

86 73.9 53.3 79.9

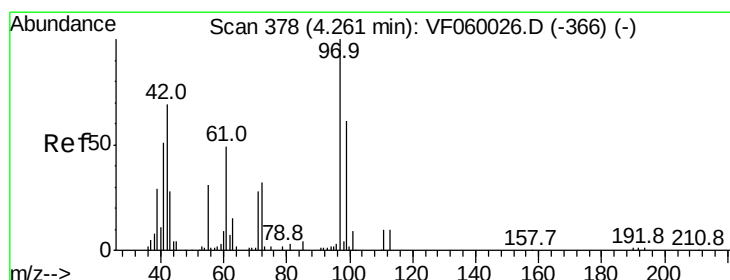
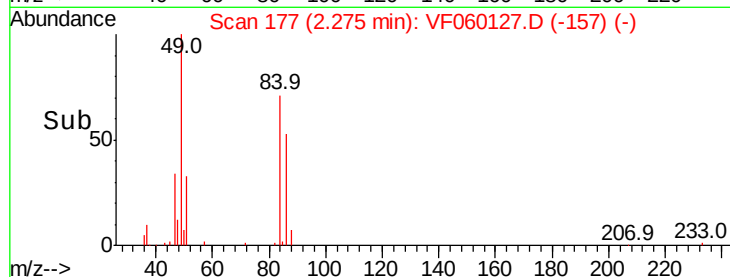
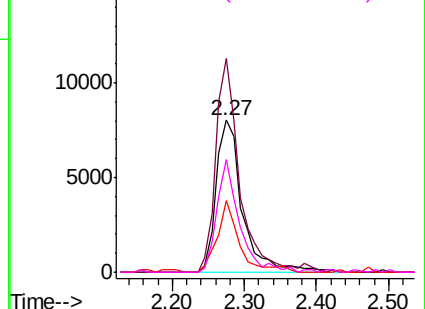


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#29

Tetrahydrofuran

Concen: 1.134 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF060127.D

Acq: 27 Aug 2018 16:15

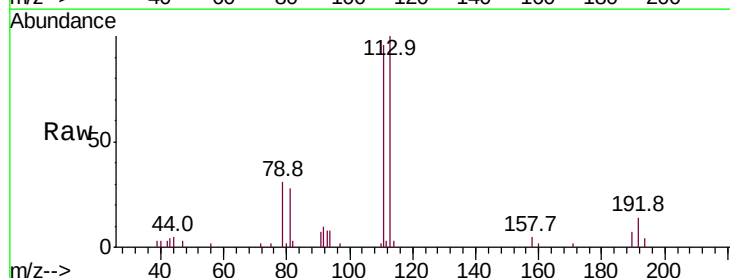
Tgt Ion: 42 Resp: 303

Ion Ratio Lower Upper

42 100

72 19.8 31.4 47.2#

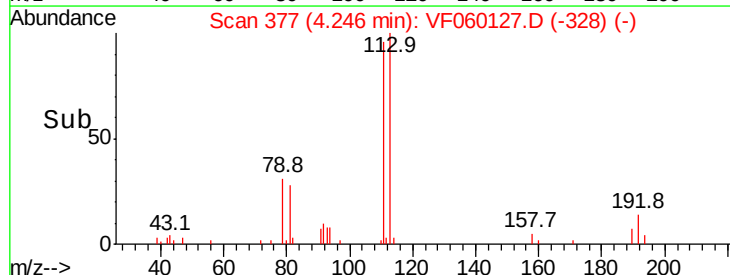
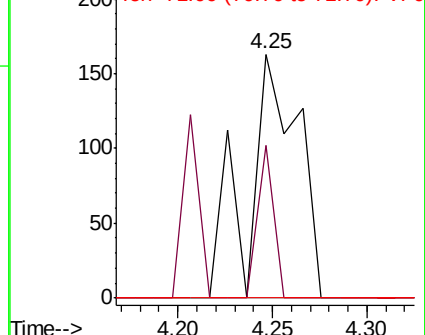
71 0.0 29.7 44.5#

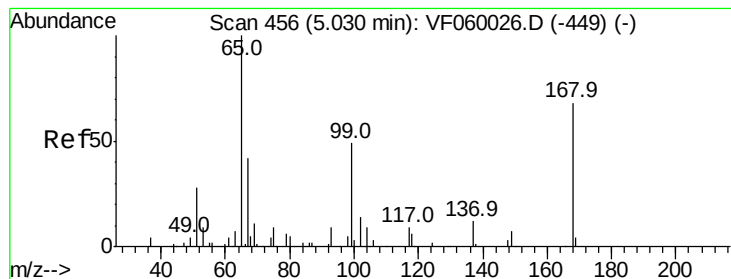


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 50.661 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF060127.D

Acq: 27 Aug 2018 16:15

Instrument :

MSVOA_F

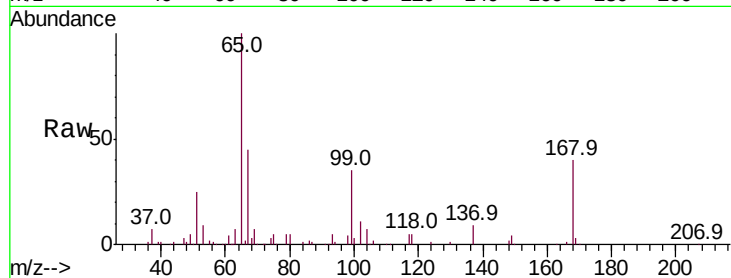
ClientSampleId :

Tot Ion: 65 Resp: 105030

Ion Ratio Lower Upper

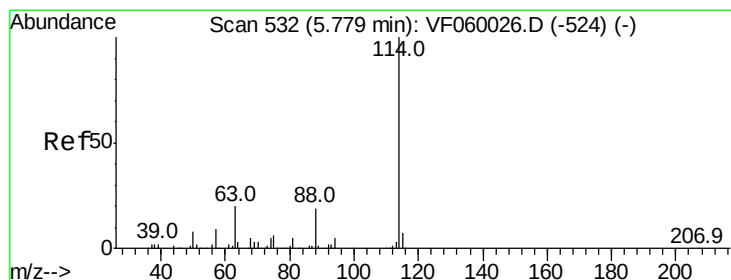
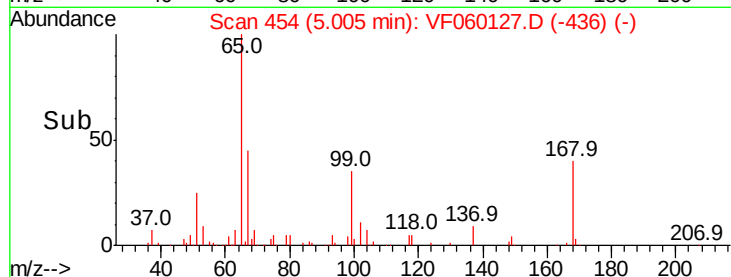
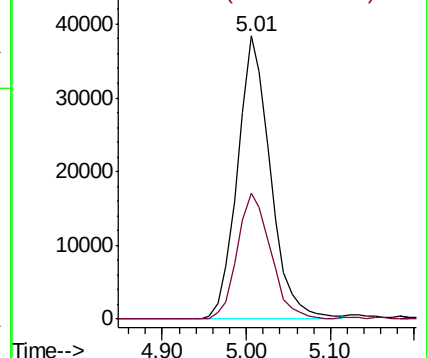
65 100

67 44.5 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060127.D

Acq: 27 Aug 2018 16:15

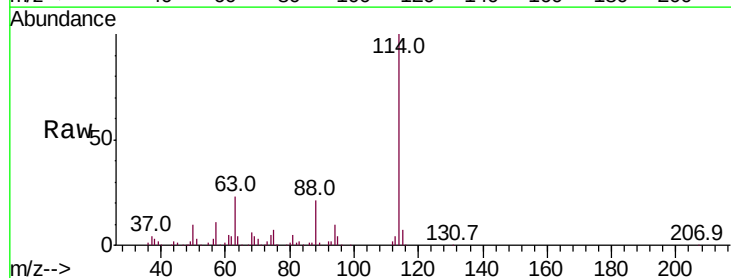
Tgt Ion: 114 Resp: 222844

Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.4

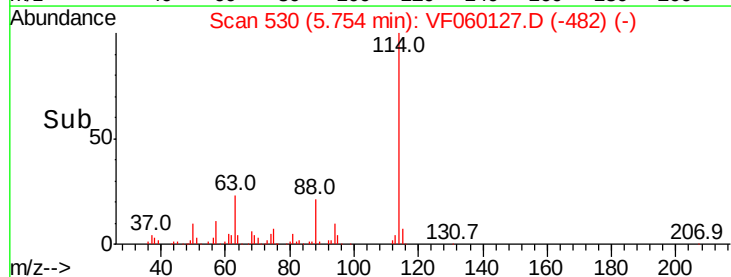
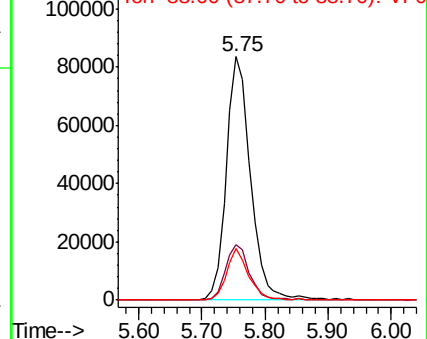
88 21.4 0.0 38.6

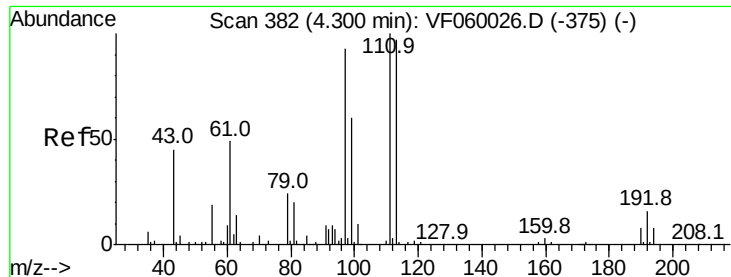


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

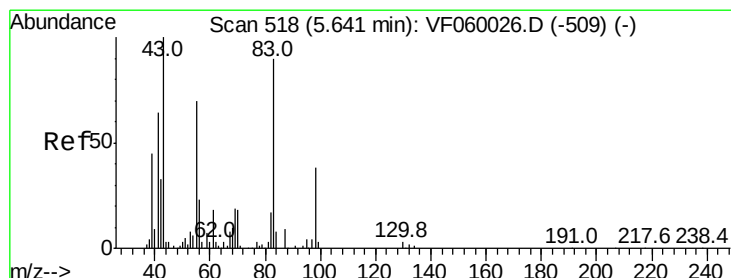
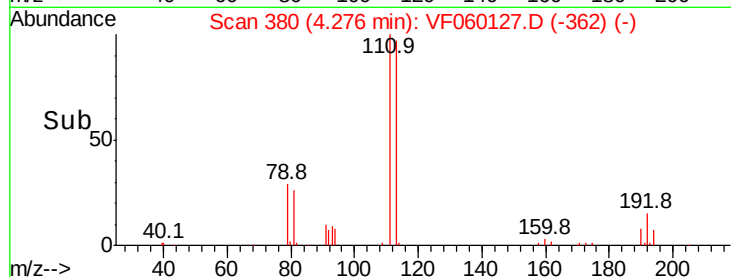
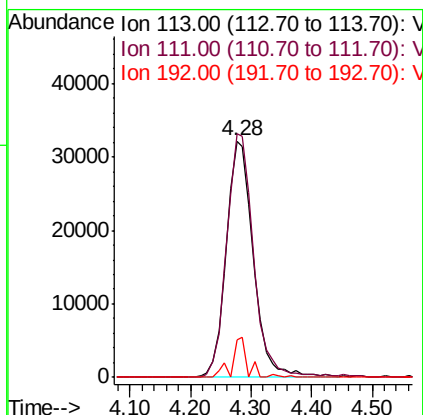
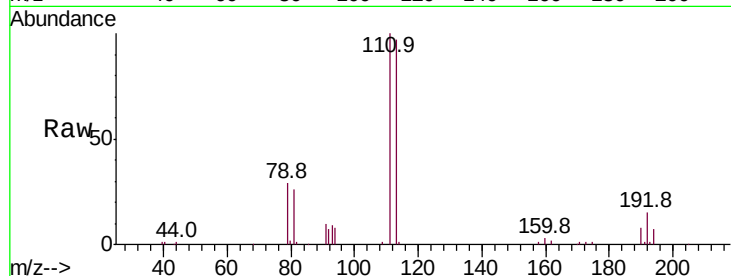




#35
 Dibromofluoromethane
 Concen: 57.106 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VF060127.D
 Acq: 27 Aug 2018 16:15

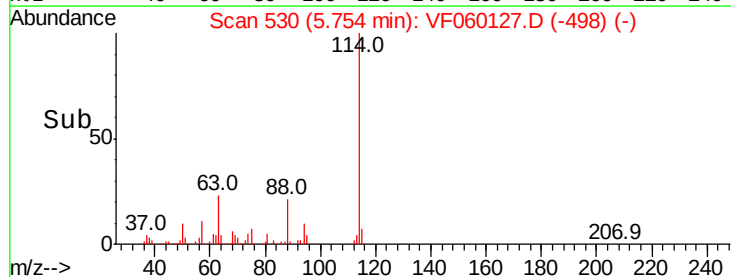
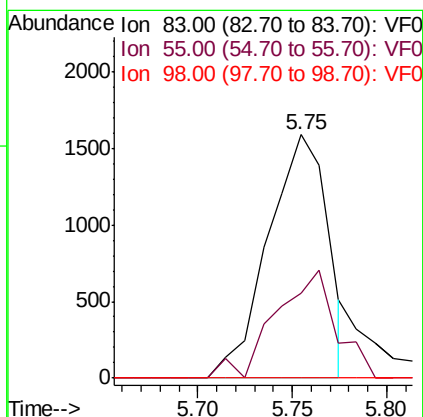
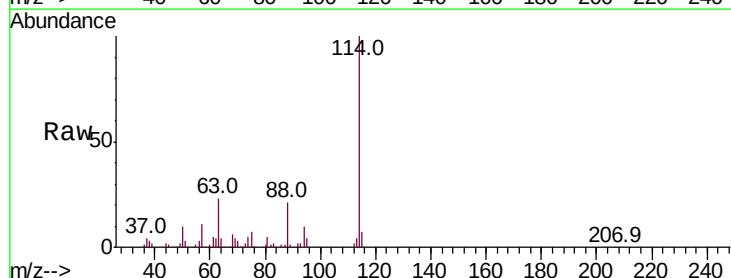
Instrument :
 MSVOA_F
 ClientSampleId :

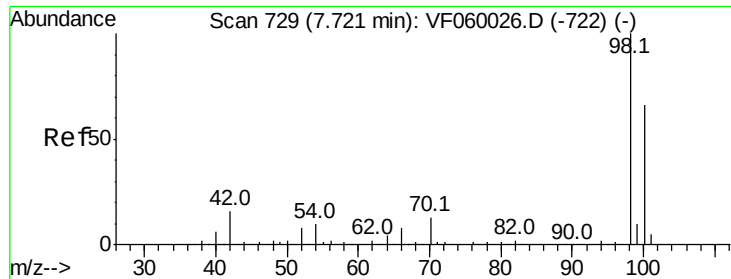
Tot Ion:113 Resp: 99929
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.7 124.1
 192 15.9 13.0 19.4



#39
 Methylcyclohexane
 Concen: 1.789 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.11 min
 Lab File: VF060127.D
 Acq: 27 Aug 2018 16:15

Tgt Ion: 83 Resp: 3513
 Ion Ratio Lower Upper
 83 100
 55 34.8 62.7 94.1#
 98 0.0 33.8 50.8#

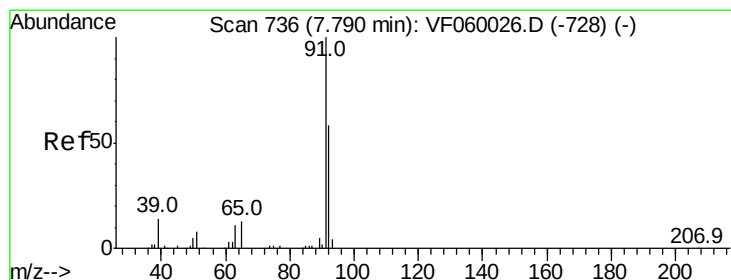
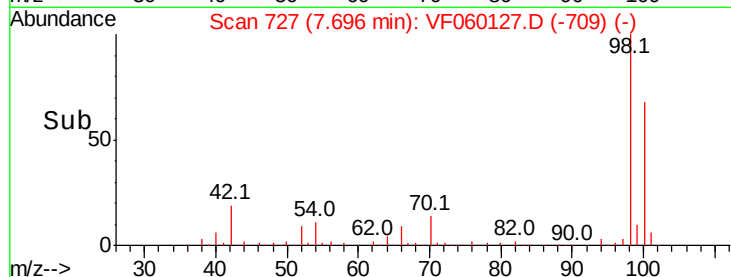
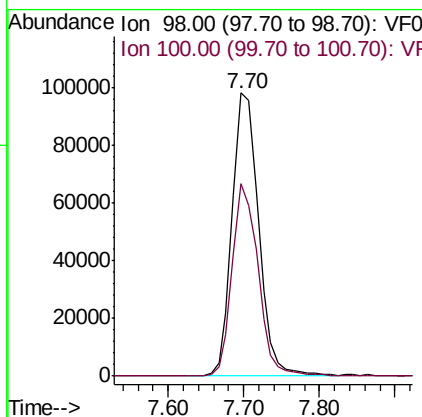
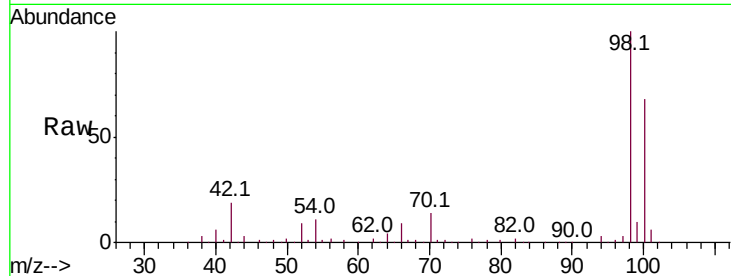




#50
Toluene-d8
Concen: 47.904 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF060127.D
Acq: 27 Aug 2018 16:15

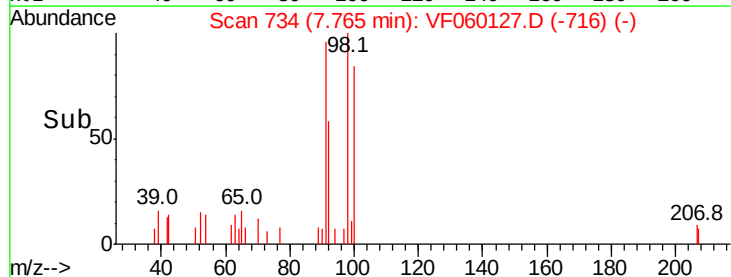
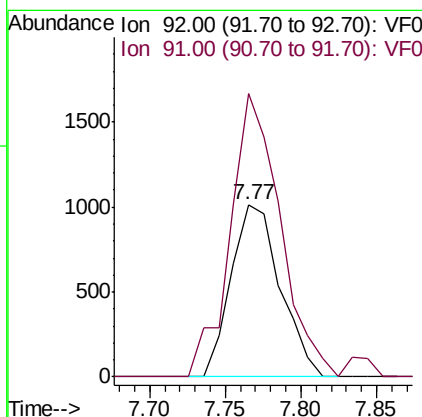
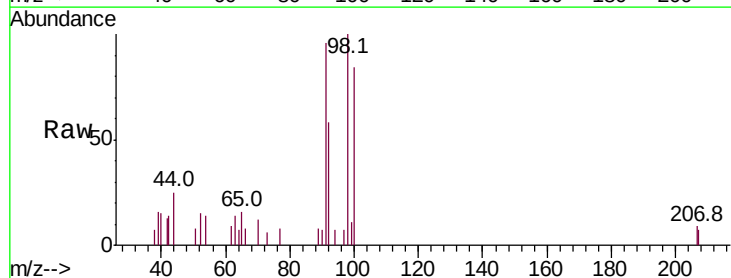
Instrument :
MSVOA_F
ClientSampleId :

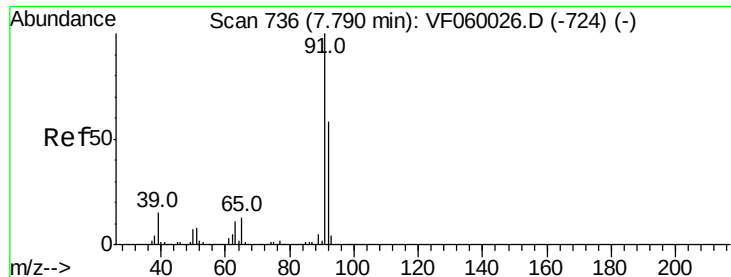
Tot Ion: 98 Resp: 238069
Ion Ratio Lower Upper
98 100
100 68.2 53.2 79.8



#52
Toluene
Concen: Below Cal
RT: 7.77 min Scan# 734
Delta R.T. -0.02 min
Lab File: VF060127.D
Acq: 27 Aug 2018 16:15

Tgt Ion: 92 Resp: 2294
Ion Ratio Lower Upper
92 100
91 164.4 137.7 206.5

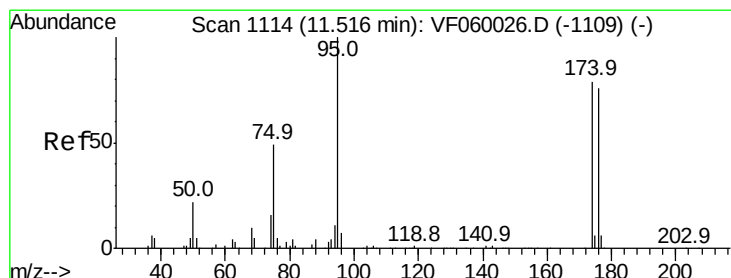
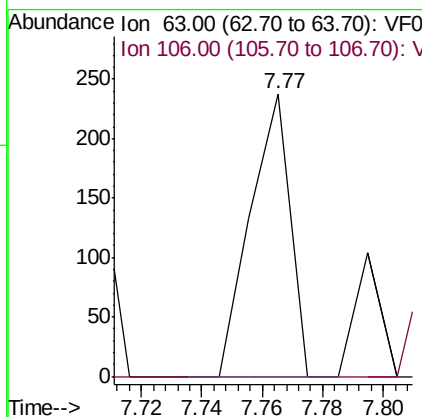
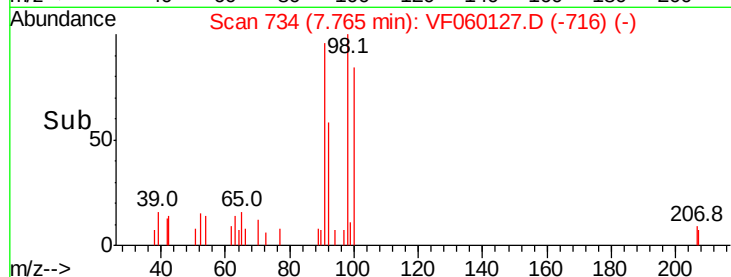
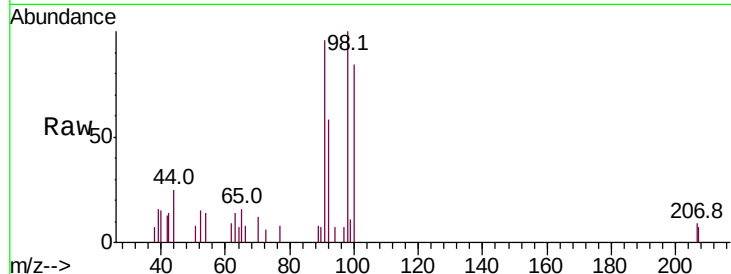




#58
2-Chloroethyl Vinyl ether
Concen: 1.847 ug/l
RT: 7.77 min Scan# 734
Delta R.T. -0.02 min
Lab File: VF060127.D
Acq: 27 Aug 2018 16:15

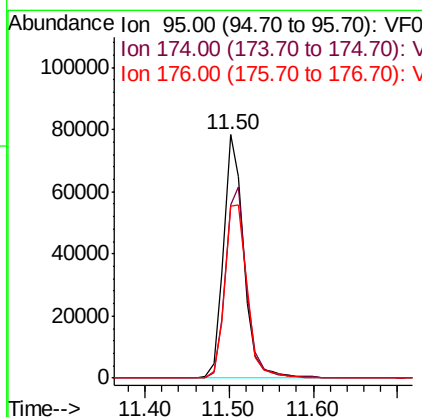
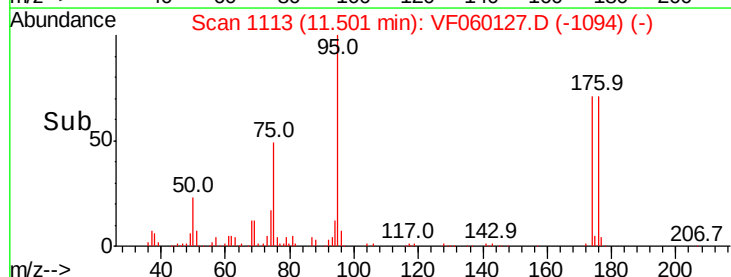
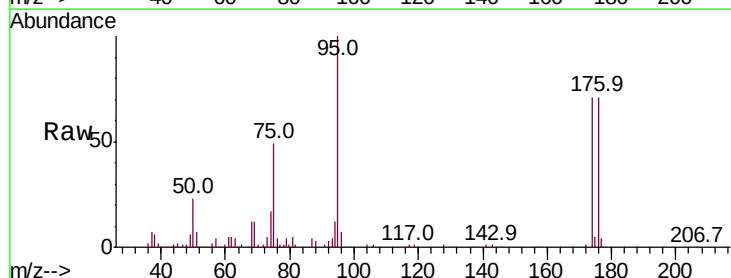
Instrument :
MSVOA_F
ClientSampleId :

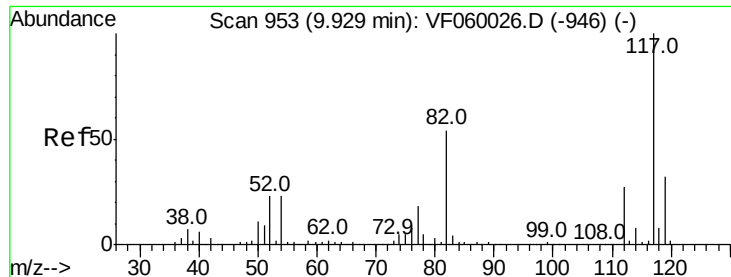
Tot Ion: 63 Resp: 219
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0



#62
4-Bromofluorobenzene
Concen: 50.075 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF060127.D
Acq: 27 Aug 2018 16:15

Tgt Ion: 95 Resp: 131647
Ion Ratio Lower Upper
95 100
174 71.4 0.0 158.4
176 70.6 0.0 153.0

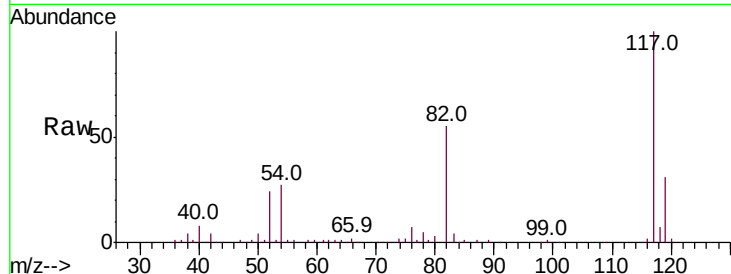




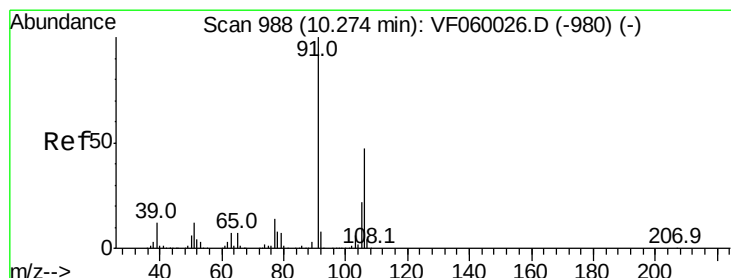
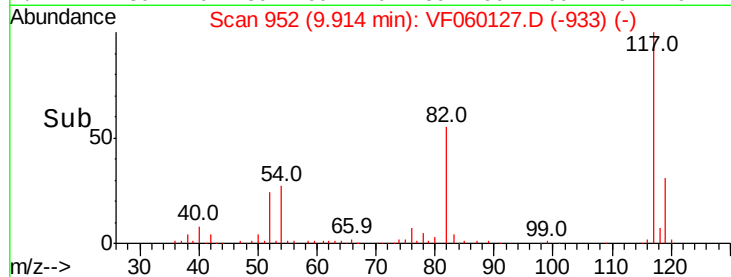
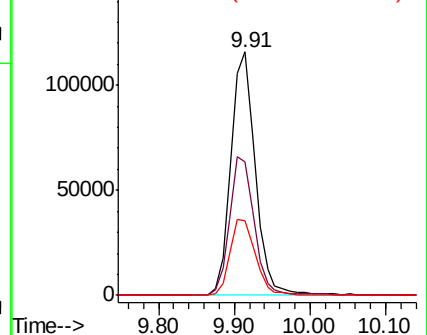
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060127.D
Acq: 27 Aug 2018 16:15

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 258552
Ion Ratio Lower Upper
117 100
82 54.9 43.6 65.4
119 30.8 25.6 38.4

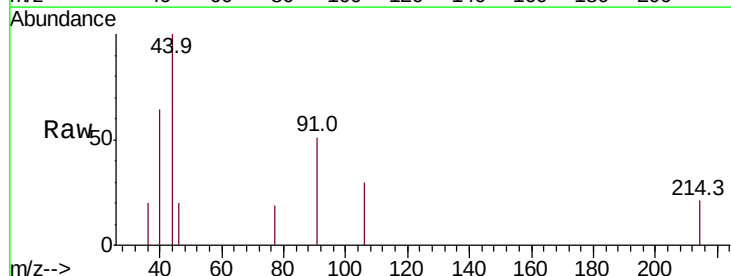


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

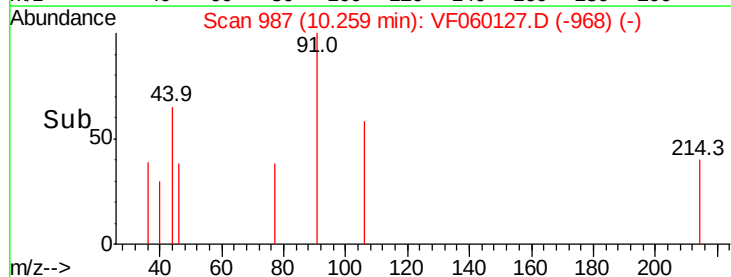
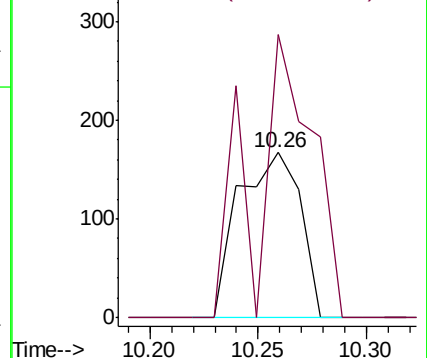


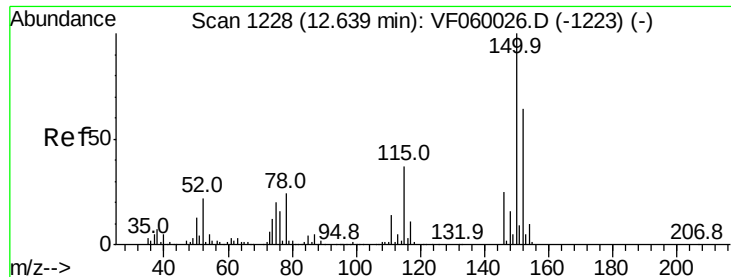
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060127.D
Acq: 27 Aug 2018 16:15

Tgt Ion:106 Resp: 334
Ion Ratio Lower Upper
106 100
91 171.9 171.8 257.8



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



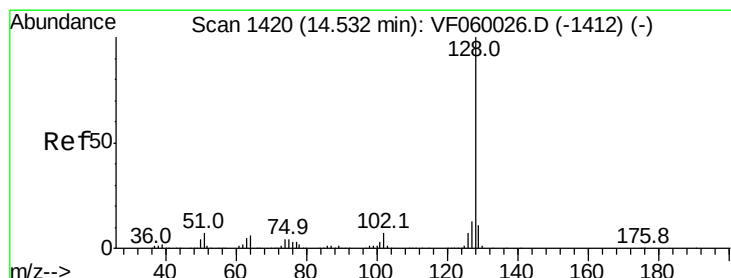
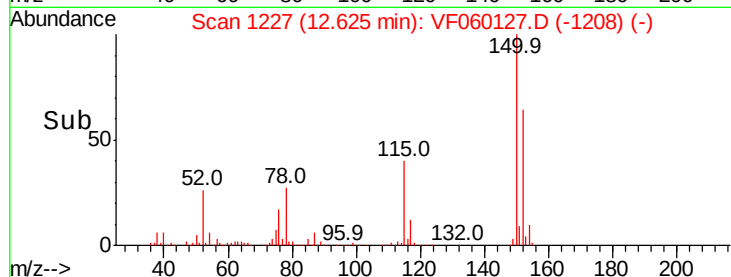
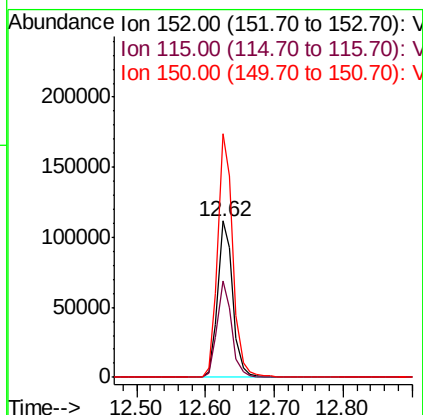
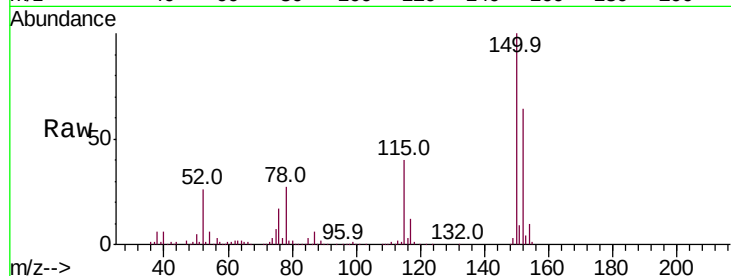


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060127.D
Acq: 27 Aug 2018 16:15

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:152 Resp: 170124
Ion Ratio Lower Upper
152 100
115 61.9 28.6 85.9
150 155.7 0.0 312.0



#95

Naphthalene
Concen: 2.334 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060127.D
Acq: 27 Aug 2018 16:15

Tgt Ion:128 Resp: 320
Ion Ratio Lower Upper
128 100
127 47.6 10.4 15.6#
129 0.0 8.5 12.7#

