

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
 Data File : VF060131.D
 Acq On : 27 Aug 2018 18:06
 Operator : VA/AP
 Sample : J4646-13
 Misc : 5.40g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 27 18:56:27 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	132945	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	179540	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	180083	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	92786	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	57084	31.37	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	62.74%	
35) Dibromofluoromethane	4.28	113	64295	45.60	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	91.20%	
50) Toluene-d8	7.70	98	169556	42.35	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	84.70%	
62) 4-Bromofluorobenzene	11.50	95	78118	36.88	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	73.76%	

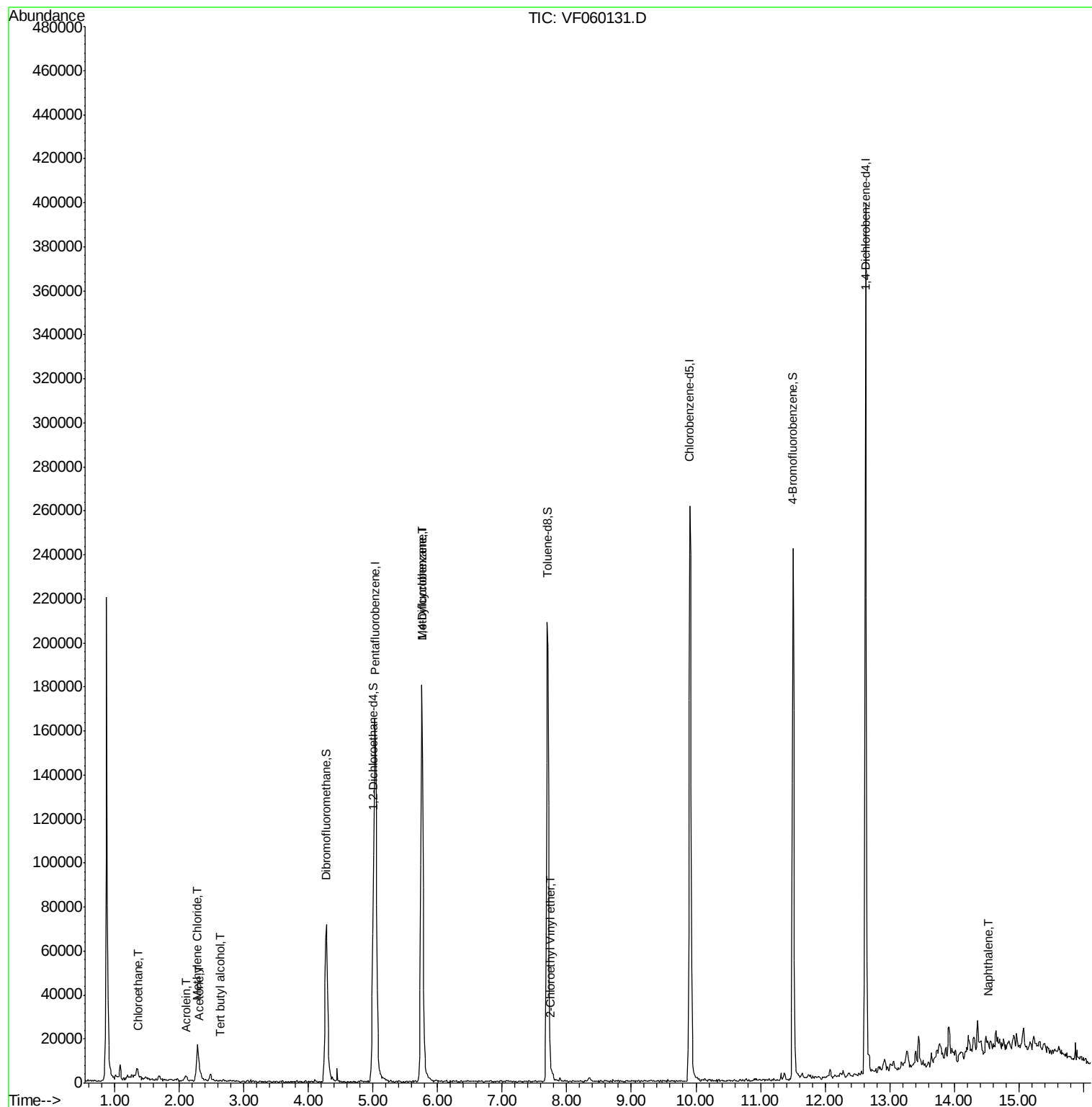
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	502	Below Cal	#	40
6) Chloroethane	1.38	64	615	1.436	ug/l #	45
11) Tert butyl alcohol	2.63	59	98	1.012	ug/l #	80
13) Acrolein	2.12	56	70	27.383	ug/l	89
16) Acetone	2.32	43	3314	6.930	ug/l	98
18) Methyl Acetate	2.49	43	785	Below Cal	#	60
20) Methylene Chloride	2.28	84	9635	5.688	ug/l	92
39) Methylcyclohexane	5.76	83	3415	2.159	ug/l #	40
52) Toluene	7.77	92	905	Below Cal	#	65
58) 2-Chloroethyl Vinyl ether	7.76	63	154	1.612	ug/l	100
68) m/p-Xylenes	10.27	106	74	Below Cal	#	28
95) Naphthalene	14.52	128	426	2.404	ug/l #	69

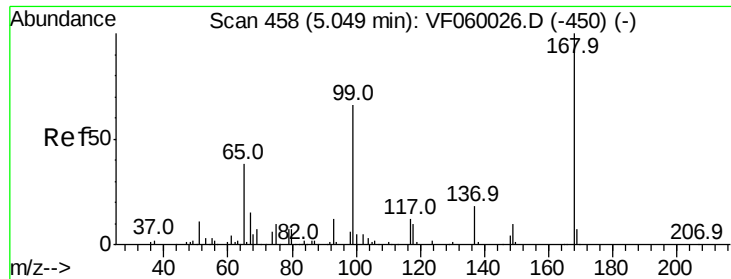
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082718\
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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# 456

Delta R.T. -0.02 min

Lab File: VF060131.D

Acq: 27 Aug 2018 18:06

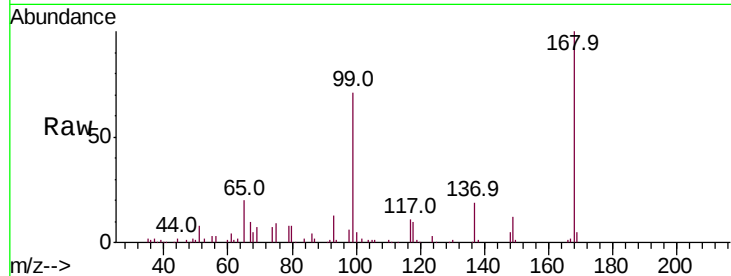
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 132945

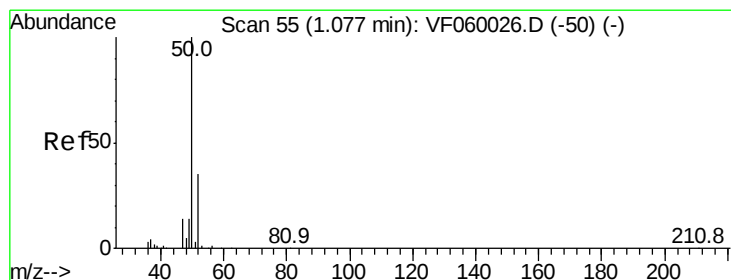
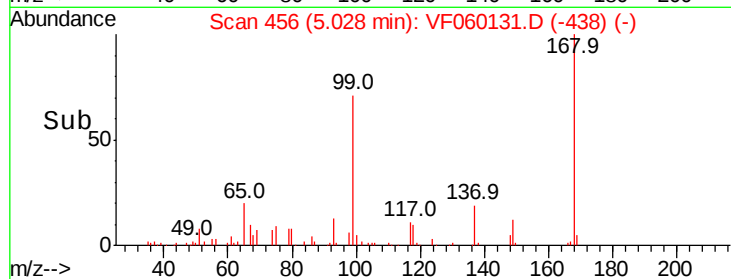
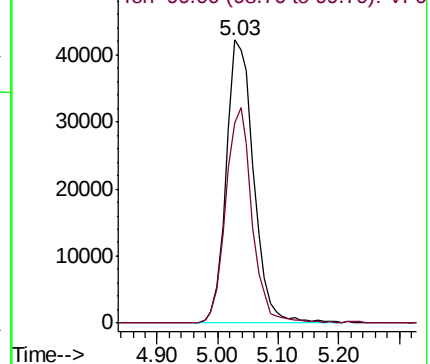
Ion Ratio Lower Upper

168 100

99 70.6 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060131.D

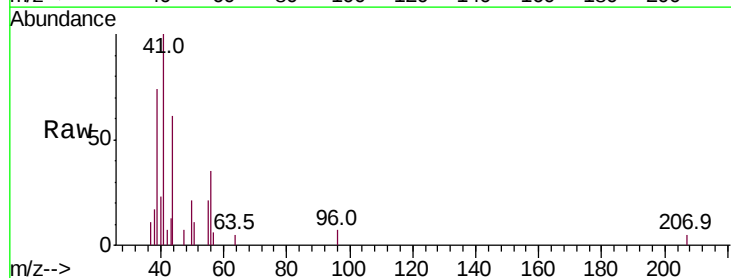
Acq: 27 Aug 2018 18:06

Tgt Ion: 50 Resp: 502

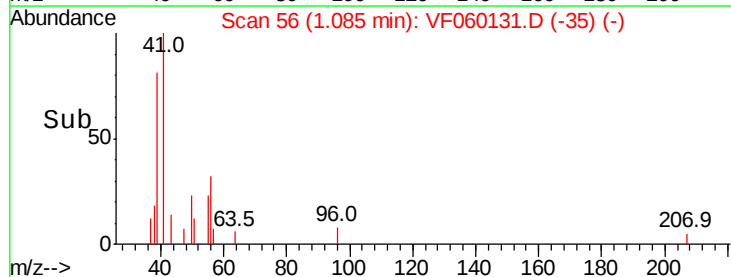
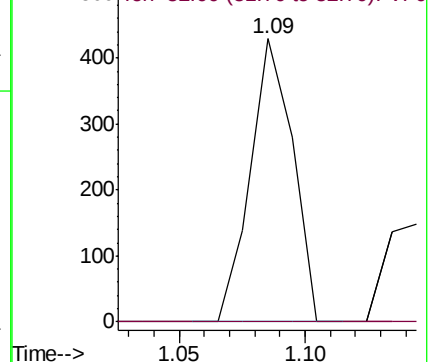
Ion Ratio Lower Upper

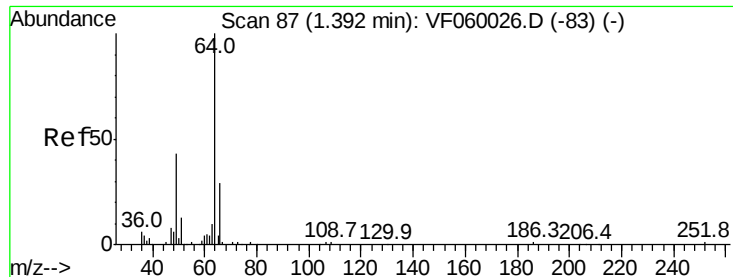
50 100

52 0.0 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#6

Chloroethane

Concen: 1.436 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF060131.D

Acq: 27 Aug 2018 18:06

Instrument :

MSVOA_F

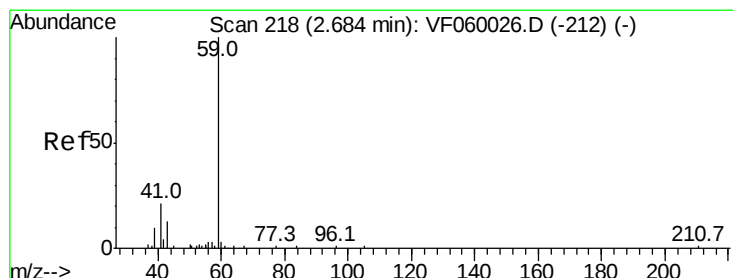
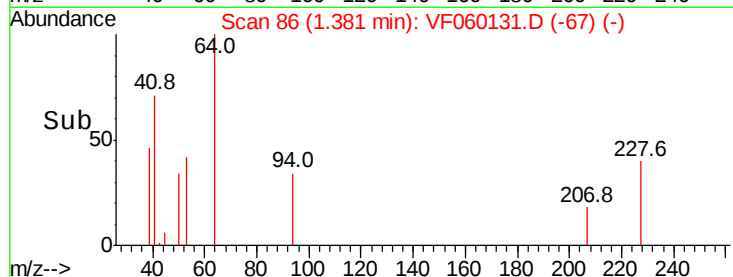
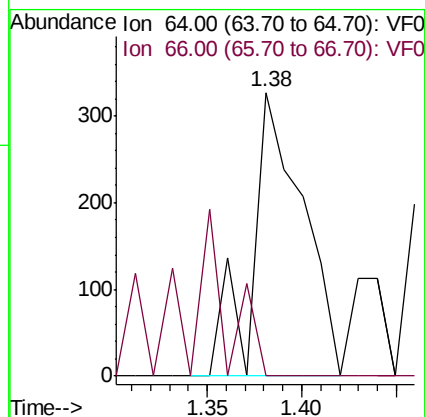
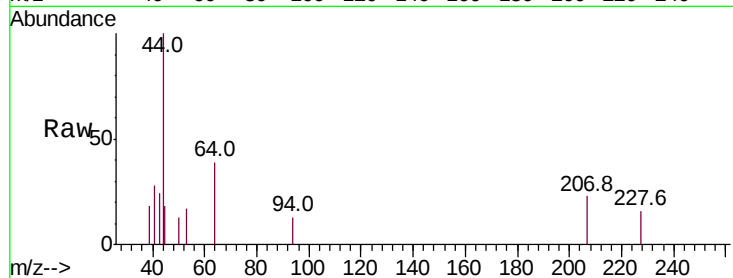
ClientSampled :

Tot Ion: 64 Resp: 615

Ion Ratio Lower Upper

64 100

66 0.0 24.1 36.1#



#11

Tert butyl alcohol

Concen: 1.012 ug/l

RT: 2.63 min Scan# 213

Delta R.T. -0.05 min

Lab File: VF060131.D

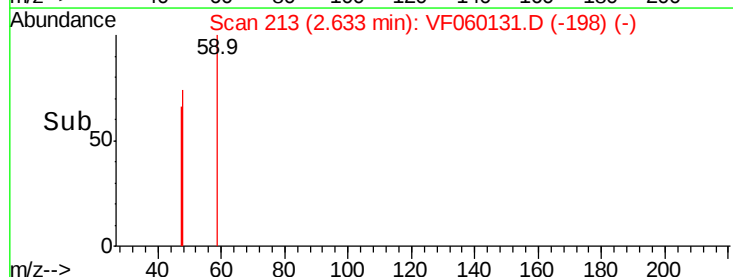
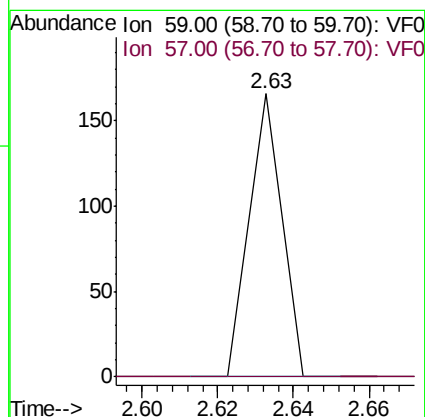
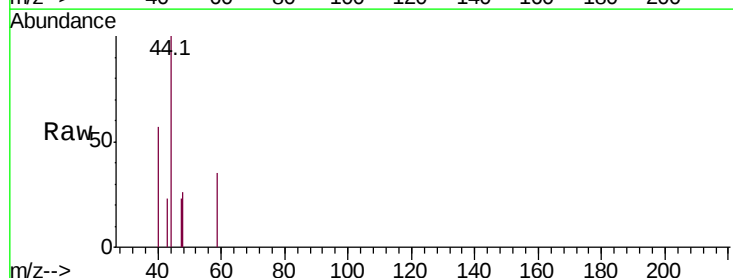
Acq: 27 Aug 2018 18:06

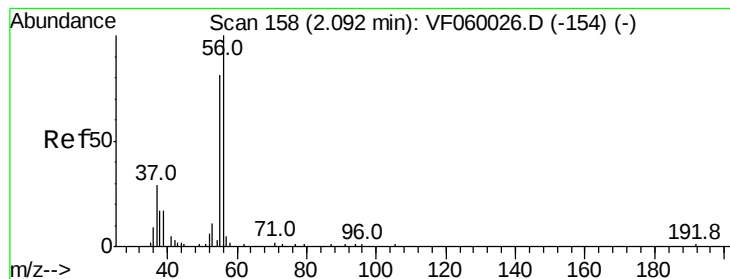
Tgt Ion: 59 Resp: 98

Ion Ratio Lower Upper

59 100

57 0.0 5.4 8.2#





#13

Acrolein

Concen: 27.383 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.03 min

Lab File: VF060131.D

Acq: 27 Aug 2018 18:06

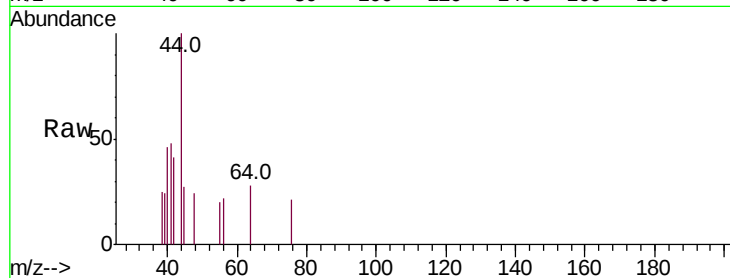
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 91.6 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

300

200

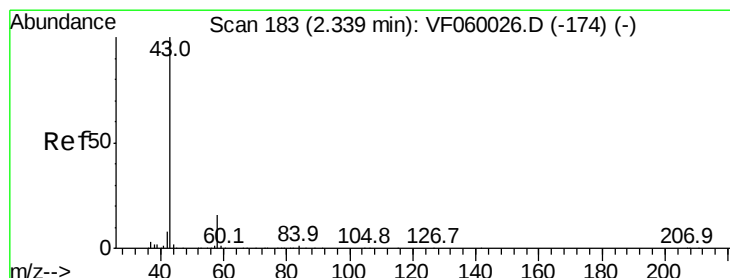
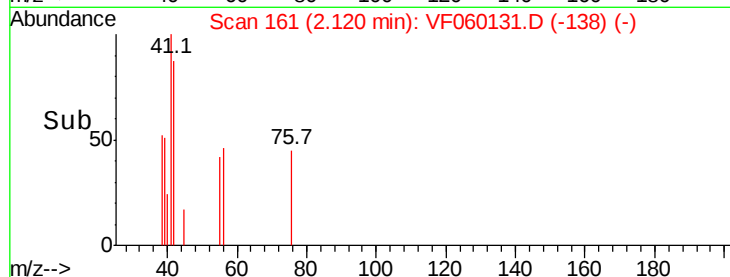
100

0

2.10 2.12 2.14

2.12

Time-->



#16

Acetone

Concen: 6.930 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF060131.D

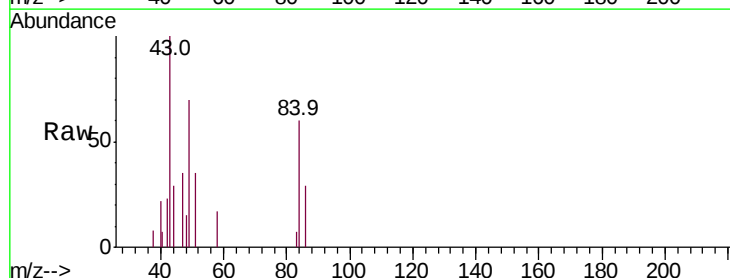
Acq: 27 Aug 2018 18:06

Tgt Ion: 43 Resp: 3314

Ion Ratio Lower Upper

43 100

58 16.6 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

1500

1000

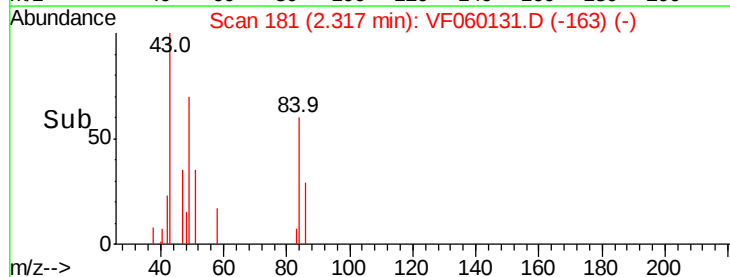
500

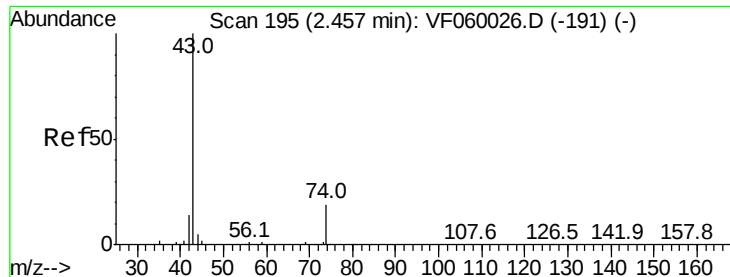
0

2.20 2.30 2.40

2.32

Time-->

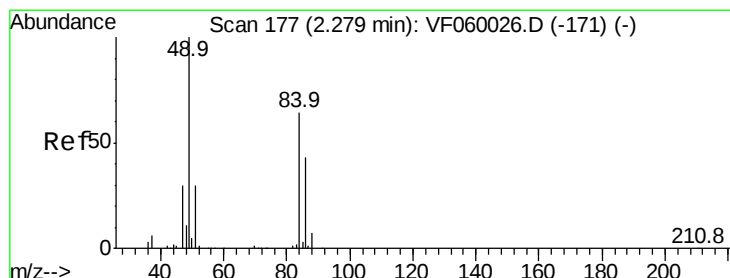
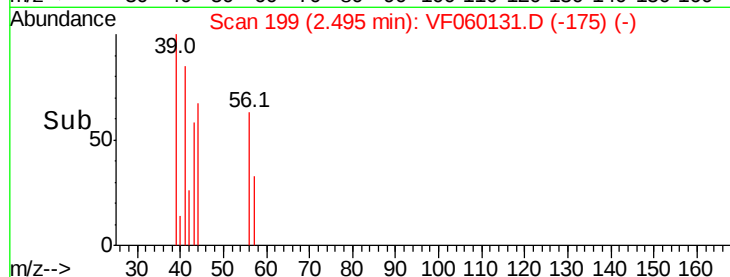
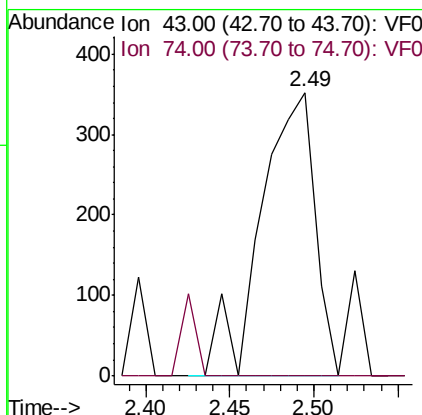
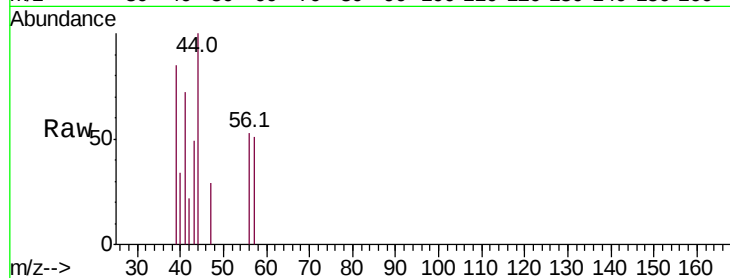




#18
Methvl Acetate
Concen: Below Cal
RT: 2.49 min Scan# 199
Delta R.T. 0.04 min
Lab File: VF060131.D
Acq: 27 Aug 2018 18:06

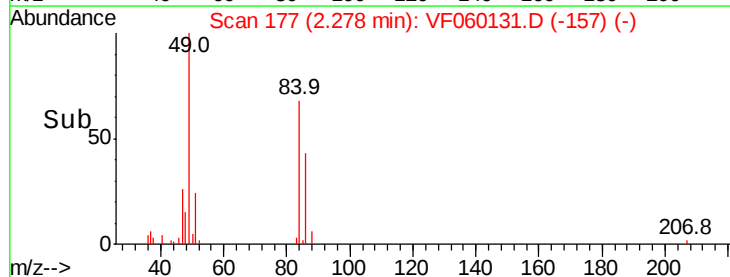
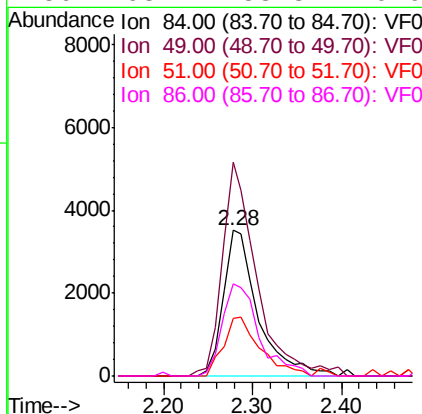
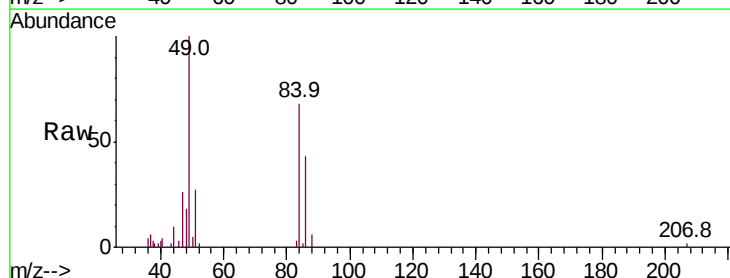
Instrument :
MSVOA_F
ClientSampleId :

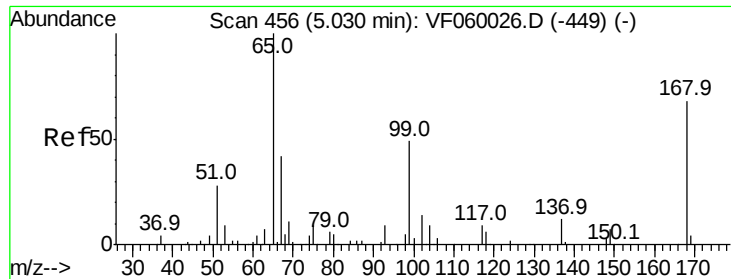
Tot Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#



#20
Methylene Chloride
Concen: 5.688 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060131.D
Acq: 27 Aug 2018 18:06

Tgt Ion: 84 Resp: 9635
Ion Ratio Lower Upper
84 100
49 146.6 125.4 188.0
51 39.6 38.3 57.5
86 63.1 53.3 79.9

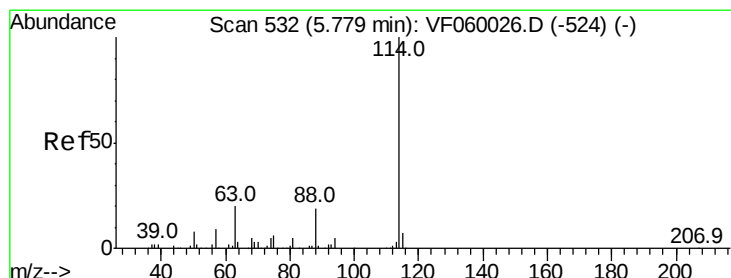
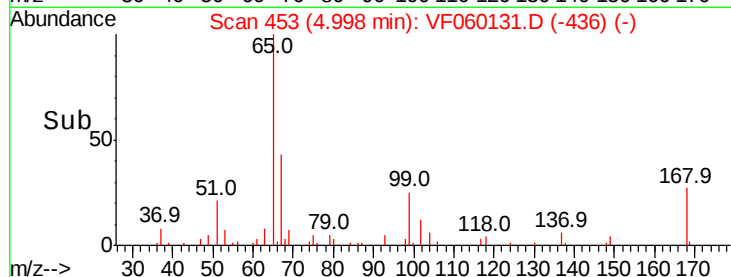
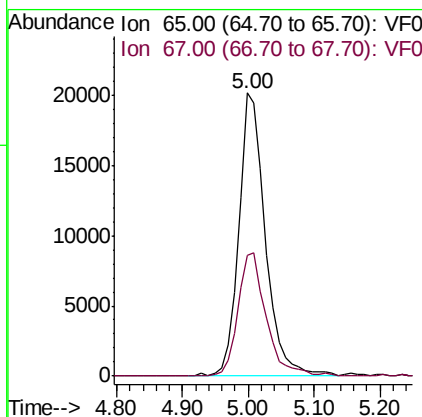
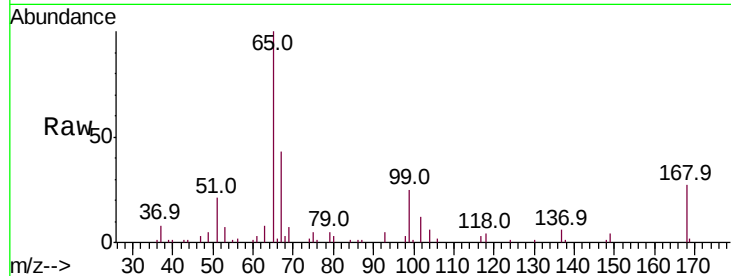




#33
 1,2-Dichloroethane-d4
 Concen: 31.373 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.03 min
 Lab File: VF060131.D
 Acq: 27 Aug 2018 18:06

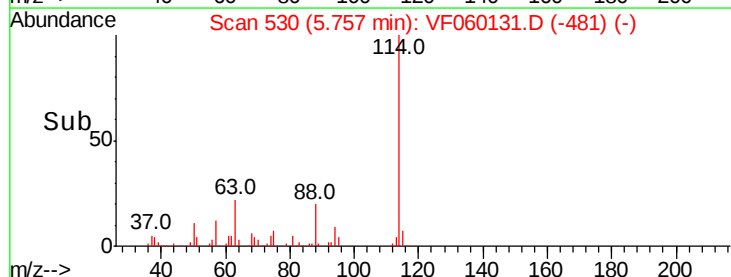
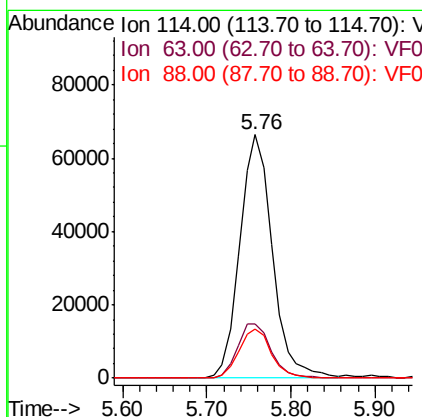
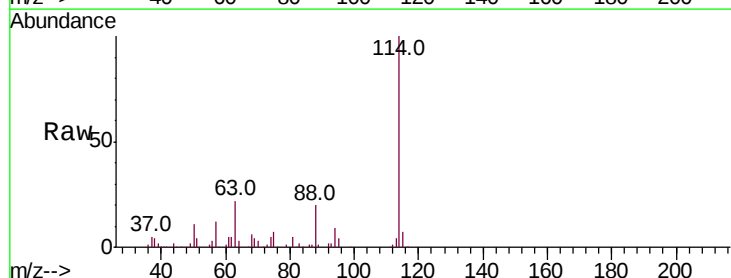
Instrument :
 MSVOA_F
 ClientSampleId :

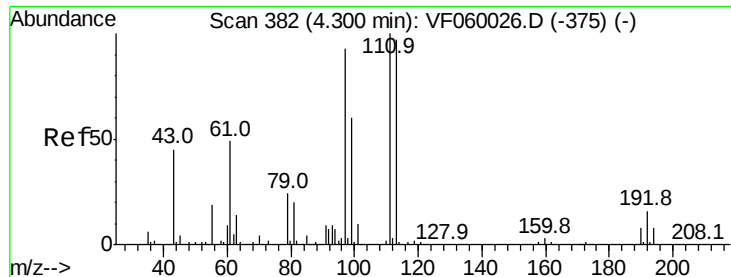
Tot Ion: 65 Resp: 57084
 Ion Ratio Lower Upper
 65 100
 67 42.8 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060131.D
 Acq: 27 Aug 2018 18:06

Tgt Ion:114 Resp: 179540
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 40.4
 88 19.9 0.0 38.6

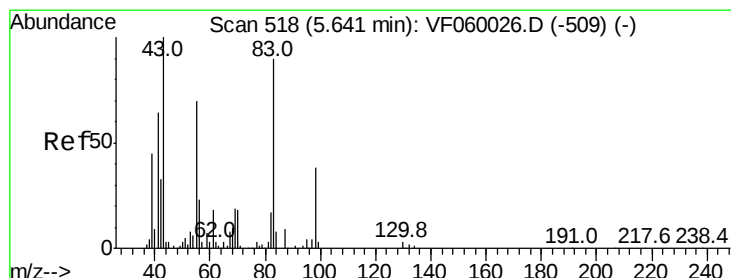
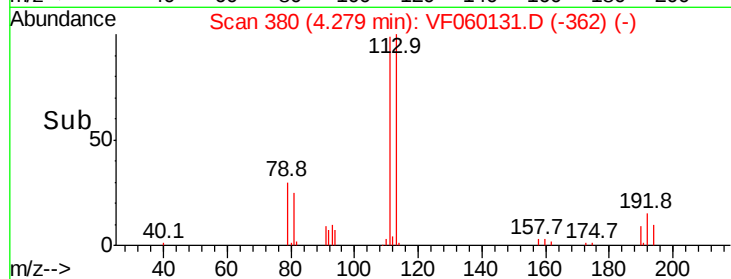
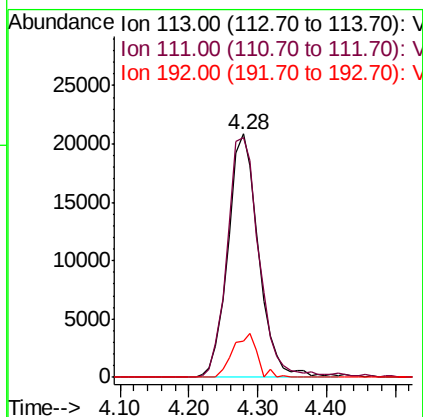
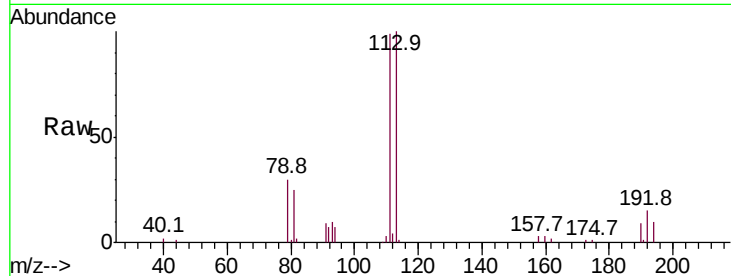




#35
Dibromofluoromethane
Concen: 45.604 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF060131.D
Acq: 27 Aug 2018 18:06

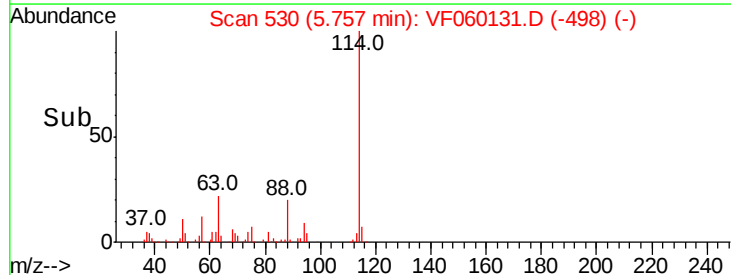
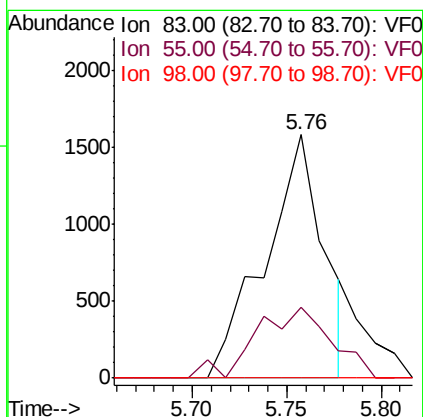
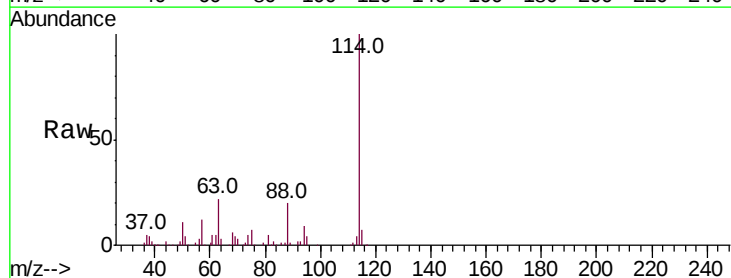
Instrument :
MSVOA_F
ClientSampleId :

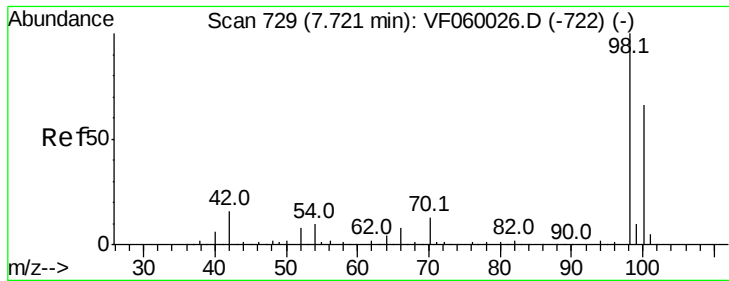
Tot Ion:113 Resp: 64295
Ion Ratio Lower Upper
113 100
111 98.7 82.7 124.1
192 15.0 13.0 19.4



#39
Methylcyclohexane
Concen: 2.159 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.12 min
Lab File: VF060131.D
Acq: 27 Aug 2018 18:06

Tgt Ion: 83 Resp: 3415
Ion Ratio Lower Upper
83 100
55 29.2 62.7 94.1#
98 0.0 33.8 50.8#





#50

Toluene-d8

Concen: 42.347 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF060131.D

Acq: 27 Aug 2018 18:06

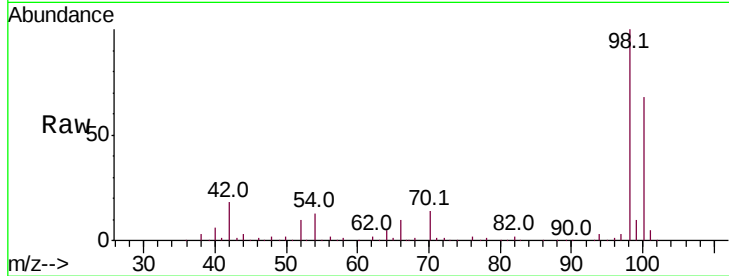
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 98 Resp: 169556

Ion Ratio Lower Upper

98 100

100 68.5 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.70

80000

60000

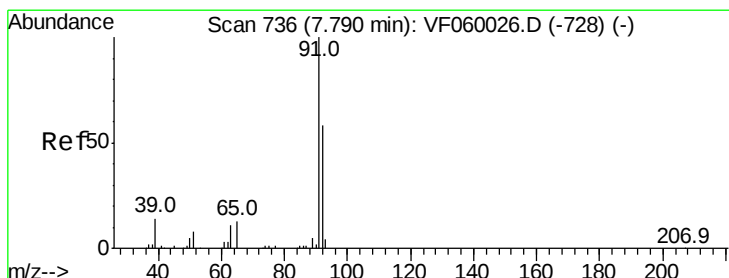
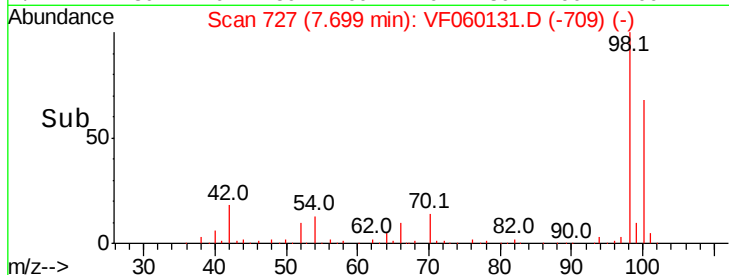
40000

20000

0

Time-->

7.60 7.70 7.80 7.90



#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060131.D

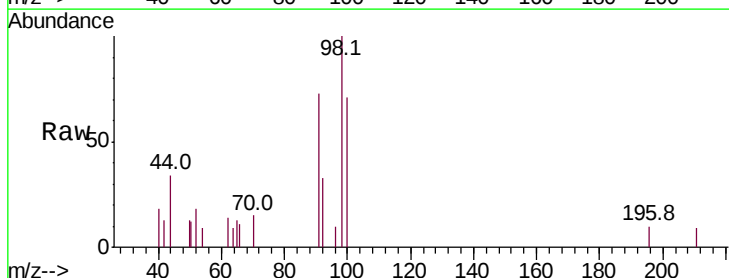
Acq: 27 Aug 2018 18:06

Tgt Ion: 92 Resp: 905

Ion Ratio Lower Upper

92 100

91 220.7 137.7 206.5#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

1000

800

600

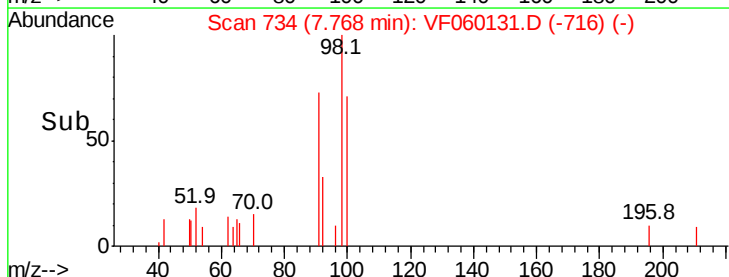
400

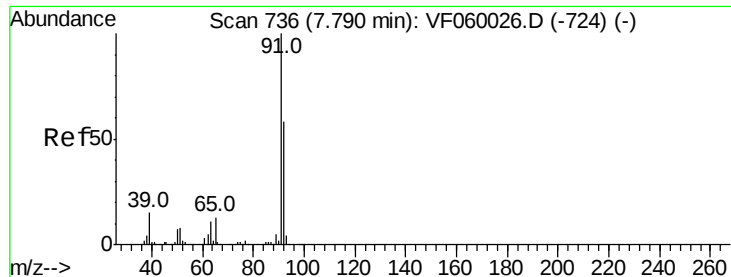
200

0

Time-->

7.70 7.75 7.80

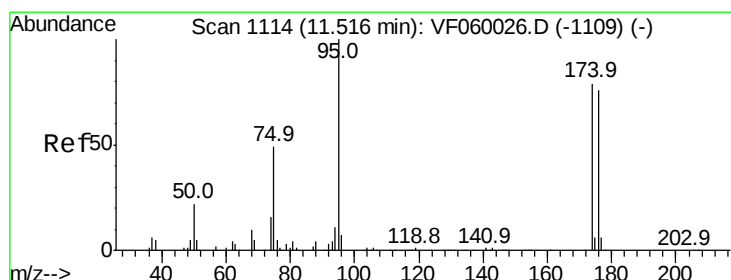
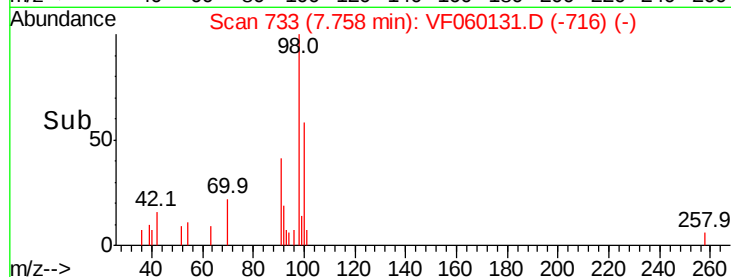
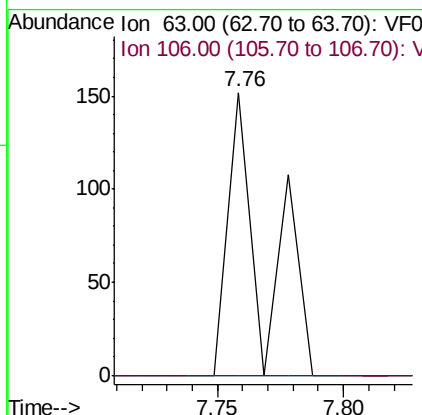
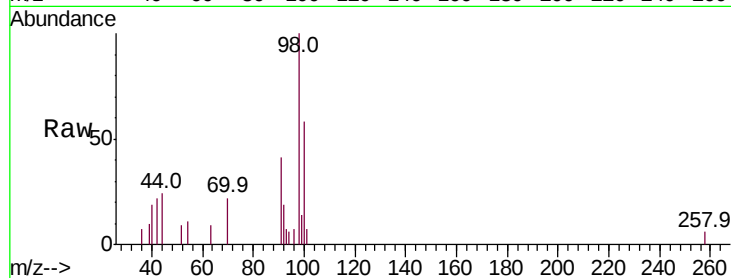




#58
2-Chloroethyl Vinyl ether
Concen: 1.612 ug/l
RT: 7.76 min Scan# 733
Delta R.T. -0.03 min
Lab File: VF060131.D
Acq: 27 Aug 2018 18:06

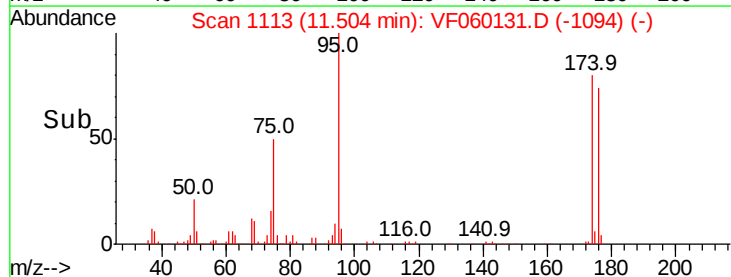
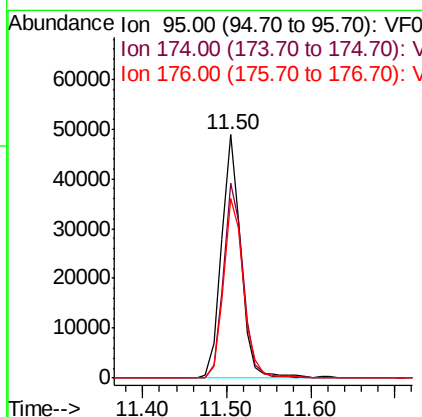
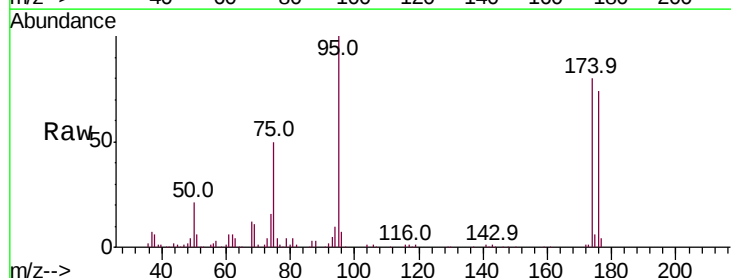
Instrument :
MSVOA_F
ClientSampleId :

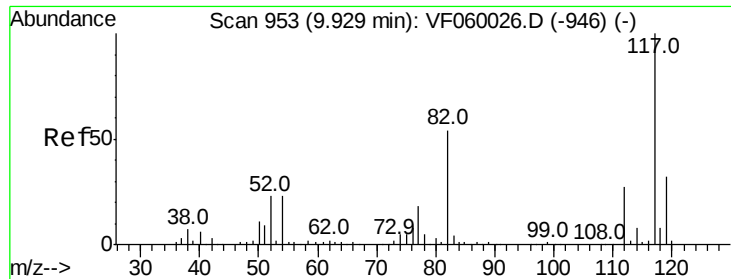
Tot Ion: 63 Resp: 154
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0



#62
4-Bromofluorobenzene
Concen: 36.881 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF060131.D
Acq: 27 Aug 2018 18:06

Tgt Ion: 95 Resp: 78118
Ion Ratio Lower Upper
95 100
174 79.8 0.0 158.4
176 73.7 0.0 153.0

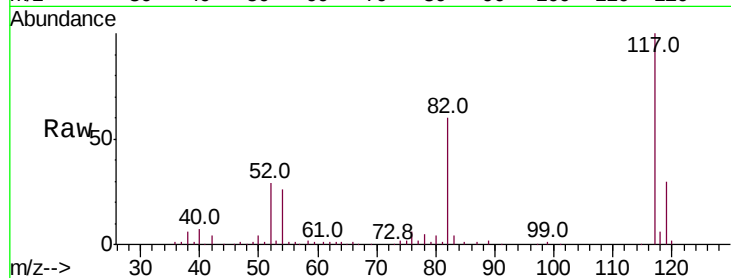




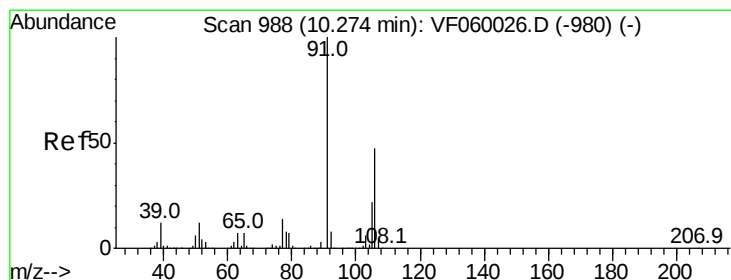
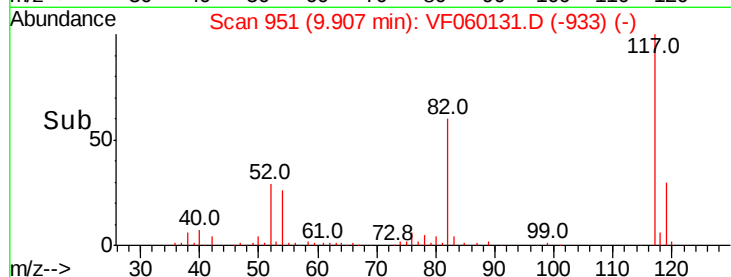
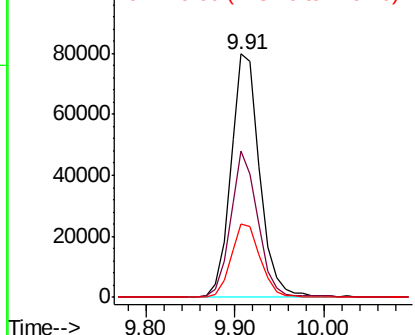
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060131.D
Acq: 27 Aug 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 180083
Ion Ratio Lower Upper
117 100
82 60.2 43.6 65.4
119 30.2 25.6 38.4

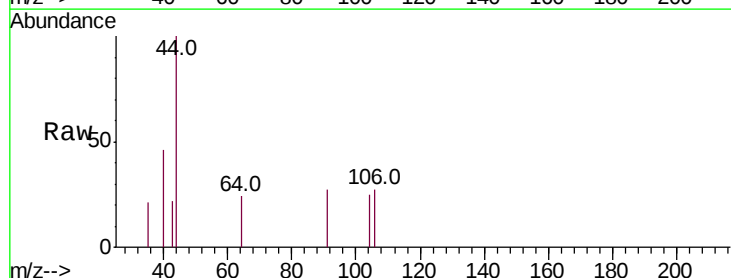


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

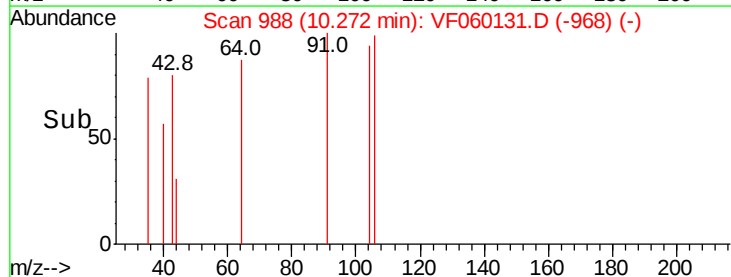
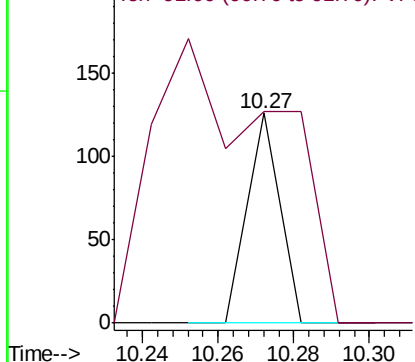


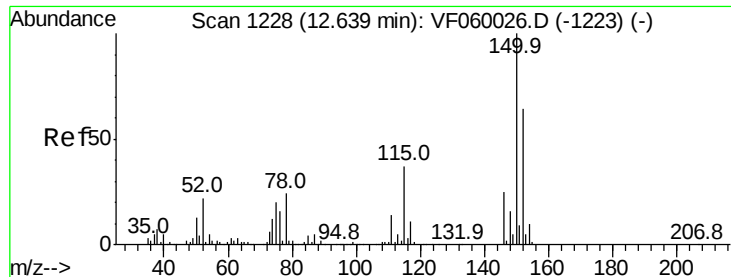
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF060131.D
Acq: 27 Aug 2018 18:06

Tgt Ion:106 Resp: 74
Ion Ratio Lower Upper
106 100
91 100.8 171.8 257.8#



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



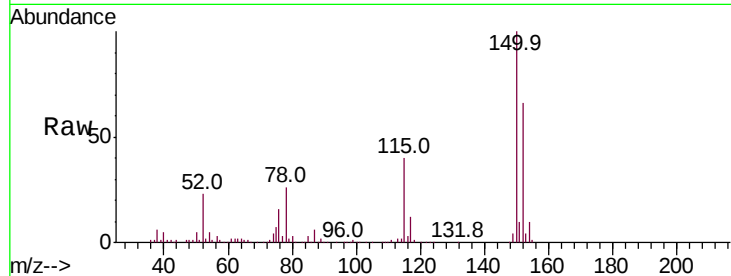


#72

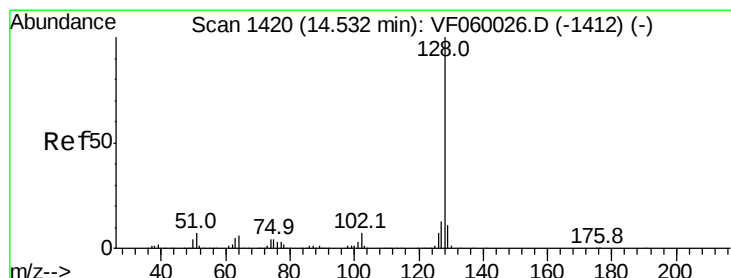
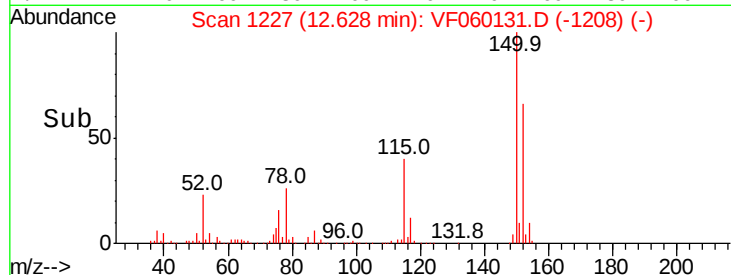
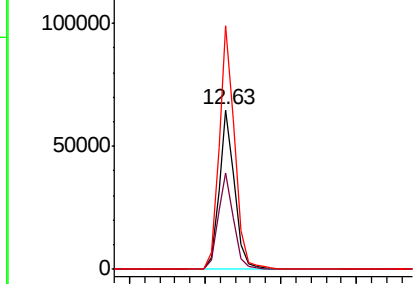
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060131.D
Acq: 27 Aug 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.6	28.6	85.9
150	152.5	0.0	312.0



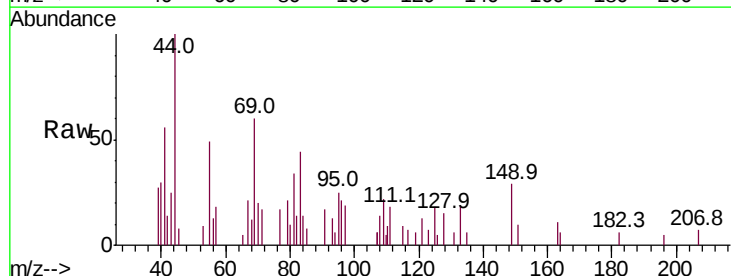
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene
Concen: 2.404 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060131.D
Acq: 27 Aug 2018 18:06

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	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

