

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
 Data File : VF060125.D
 Acq On : 27 Aug 2018 15:19
 Operator : VA/AP
 Sample : J4646-07
 Misc : 5.69g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 27 16:23:33 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	165409	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	224391	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	207543	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	116352	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	65804	29.07	ug/l	-0.03
Spiked Amount 50.000			Recovery =	58.14%		
35) Dibromofluoromethane	4.27	113	73156	41.52	ug/l	-0.03
Spiked Amount 50.000			Recovery =	83.04%		
50) Toluene-d8	7.70	98	211630	42.29	ug/l	-0.02
Spiked Amount 50.000			Recovery =	84.58%		
62) 4-Bromofluorobenzene	11.51	95	94583	35.73	ug/l	0.00
Spiked Amount 50.000			Recovery =	71.46%		

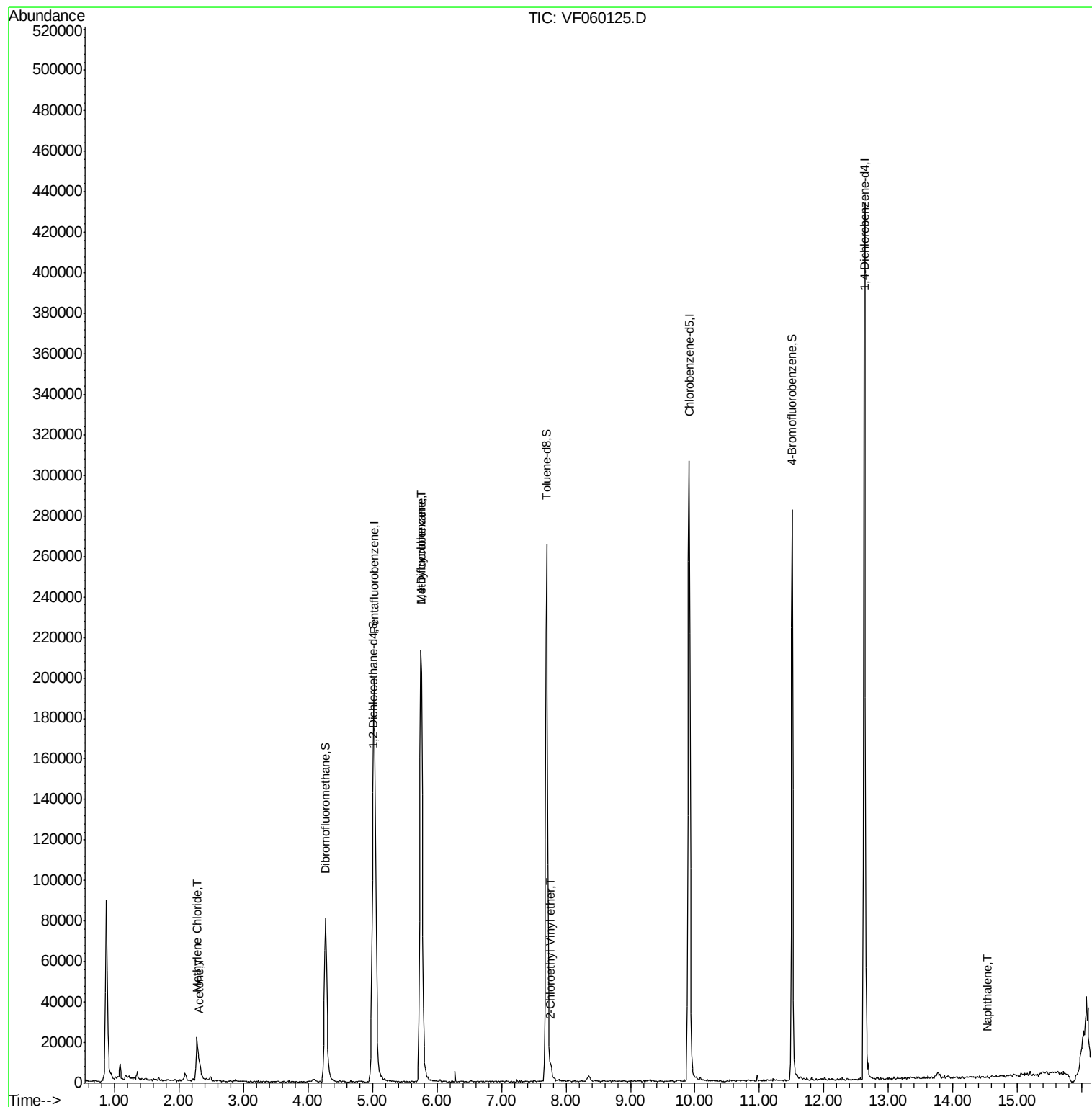
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	587	Below Cal	#	83
16) Acetone	2.32	43	6049	10.167	ug/l #	89
18) Methyl Acetate	2.48	43	927	Below Cal	#	60
20) Methylene Chloride	2.28	84	12176	5.867	ug/l	90
39) Methylcyclohexane	5.75	83	3490	1.765	ug/l #	51
52) Toluene	7.77	92	2370	Below Cal		92
58) 2-Chloroethyl Vinyl ether	7.77	63	324	2.713	ug/l	100
68) m/p-Xylenes	10.28	106	63	Below Cal	#	1
95) Naphthalene	14.52	128	127	2.314	ug/l #	69

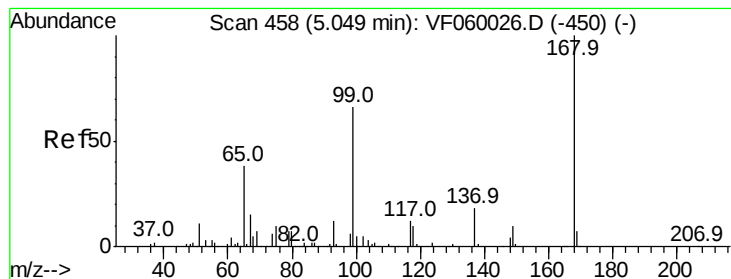
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Aug 27 16:23:33 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# 456

Delta R.T. -0.02 min

Lab File: VF060125.D

Acq: 27 Aug 2018 15:19

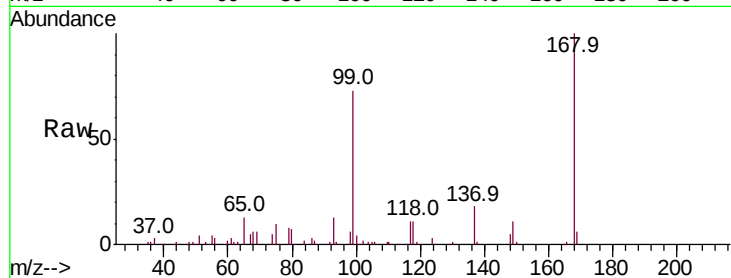
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 165409

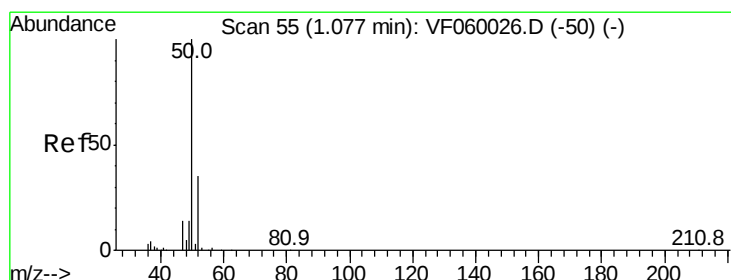
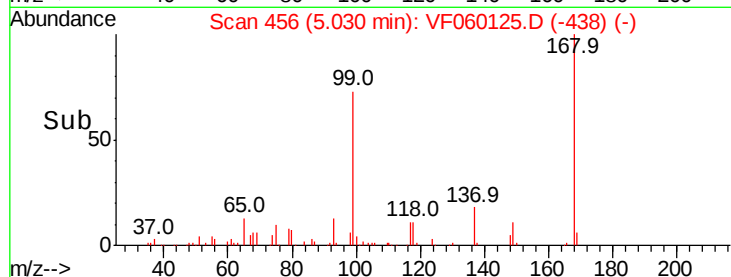
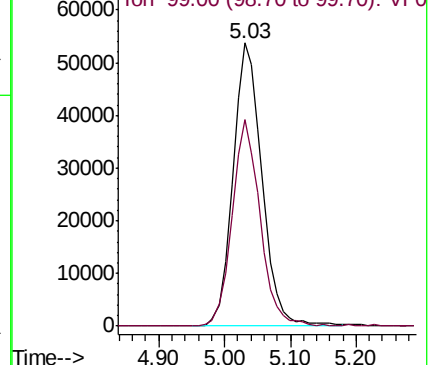
Ion Ratio Lower Upper

168 100

99 72.8 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: VF060125.D

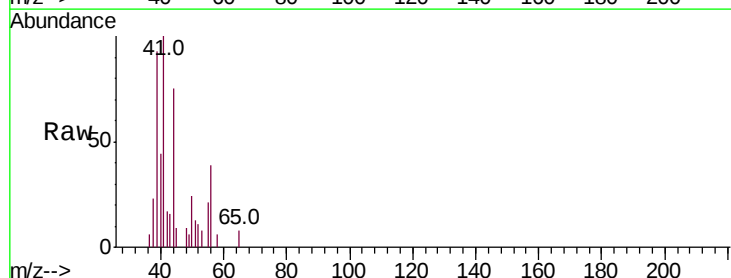
Acq: 27 Aug 2018 15:19

Tgt Ion: 50 Resp: 587

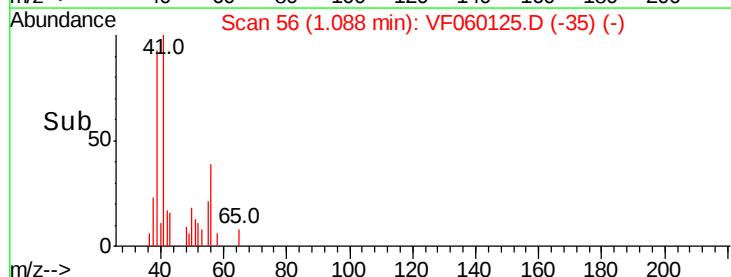
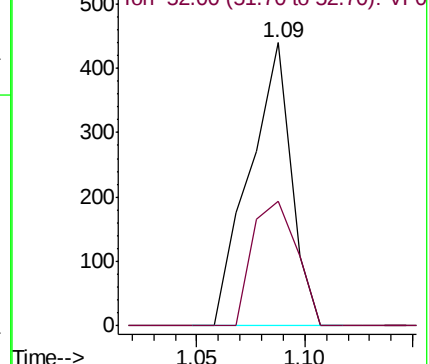
Ion Ratio Lower Upper

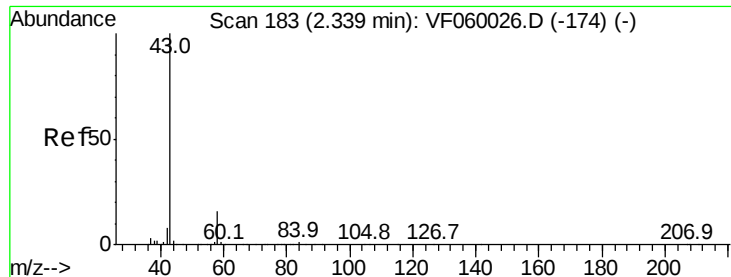
50 100

52 44.2 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#16

Acetone

Concen: 10.167 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF060125.D

Acq: 27 Aug 2018 15:19

Instrument :

MSVOA_F

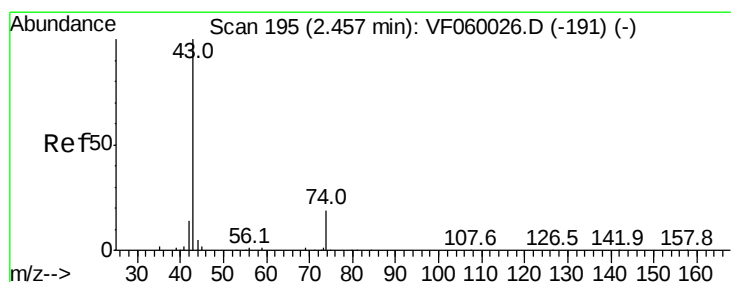
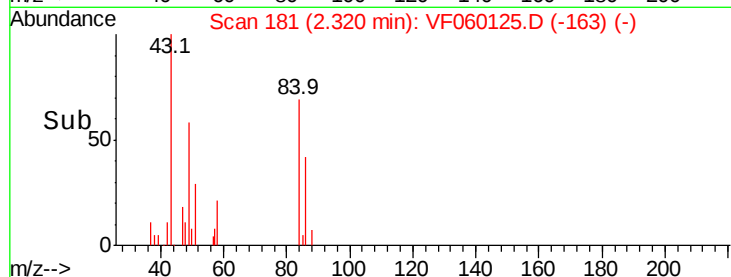
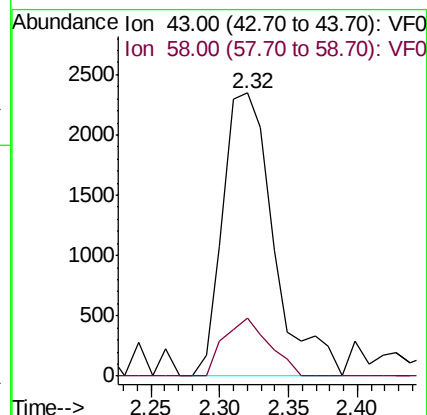
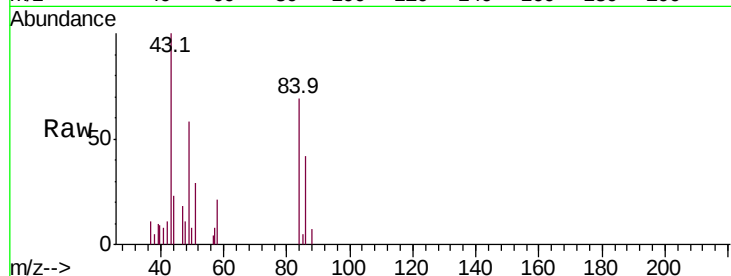
ClientSampleId :

Tot Ion: 43 Resp: 6049

Ion Ratio Lower Upper

43 100

58 20.6 12.6 19.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.48 min Scan# 197

Delta R.T. 0.02 min

Lab File: VF060125.D

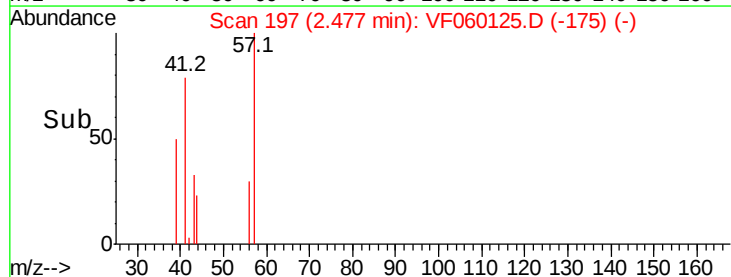
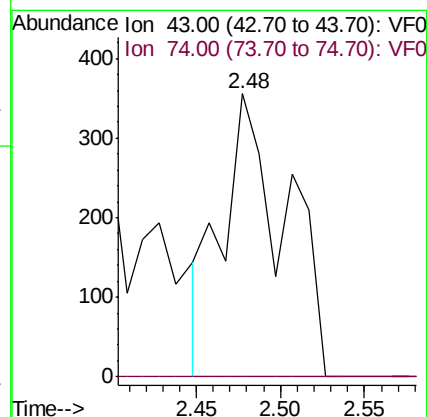
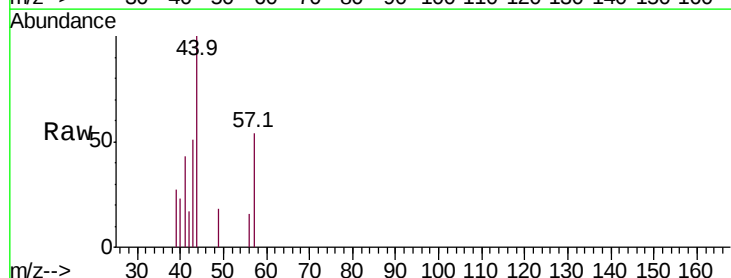
Acq: 27 Aug 2018 15:19

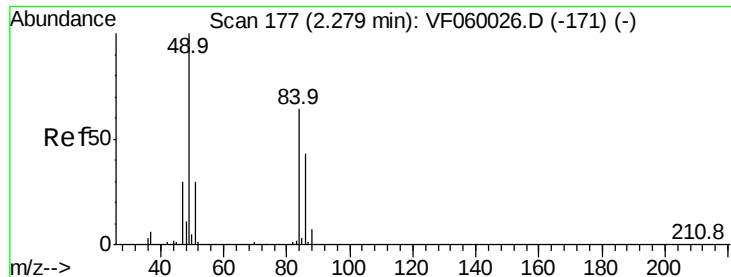
Tgt Ion: 43 Resp: 927

Ion Ratio Lower Upper

43 100

74 0.0 13.8 20.6#

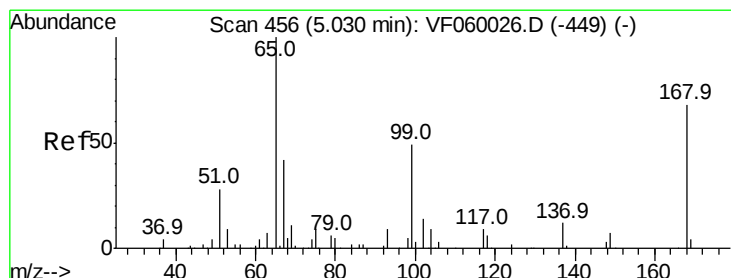
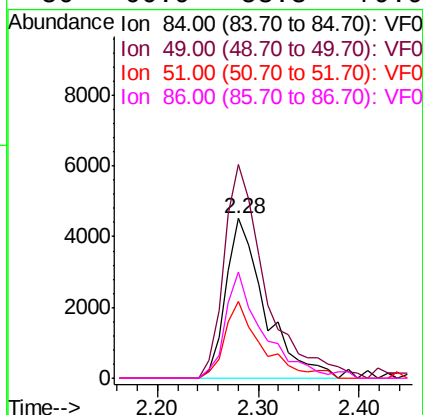
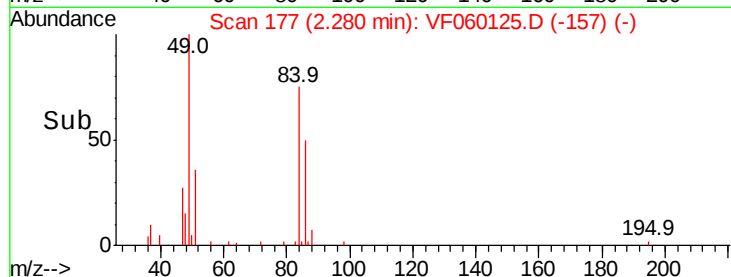
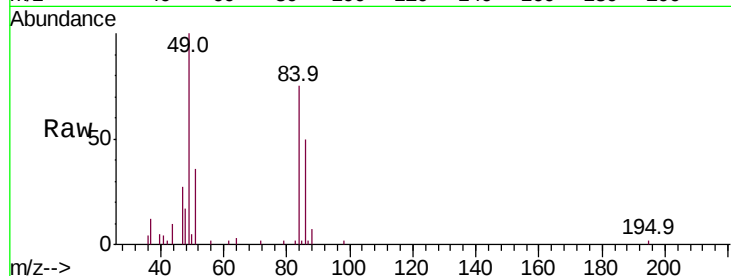




#20
Methvlene Chloride
Concen: 5.867 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF060125.D
Acq: 27 Aug 2018 15:19

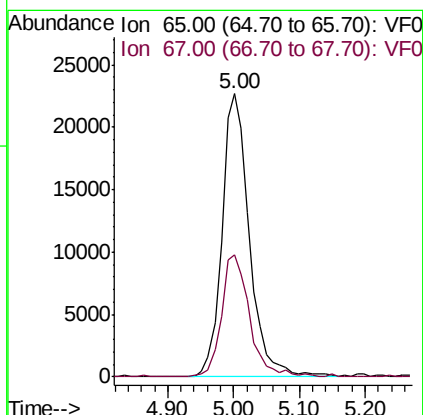
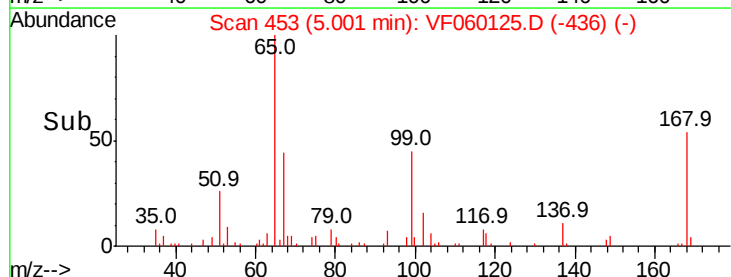
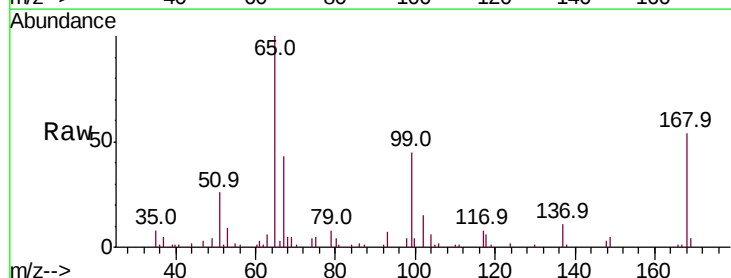
Instrument :
MSVOA_F
ClientSampleId :

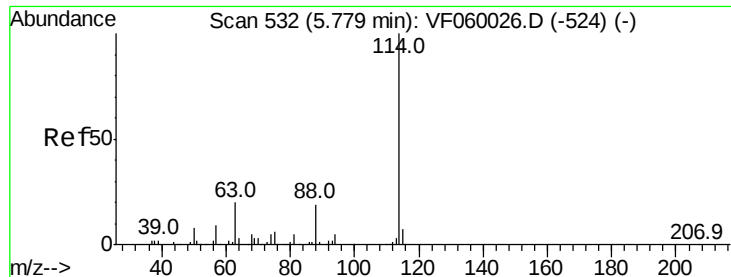
Tot Ion:	84	Resp:	12176
Ion	Ratio	Lower	Upper
84	100		
49	133.8	125.4	188.0
51	48.3	38.3	57.5
86	66.9	53.3	79.9



#33
1,2-Dichloroethane-d4
Concen: 29.068 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.03 min
Lab File: VF060125.D
Acq: 27 Aug 2018 15:19

Tgt Ion:	65	Resp:	65804
Ion	Ratio	Lower	Upper
65	100		
67	43.2	0.0	92.0

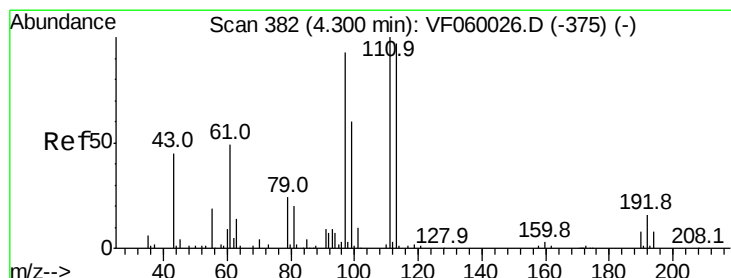
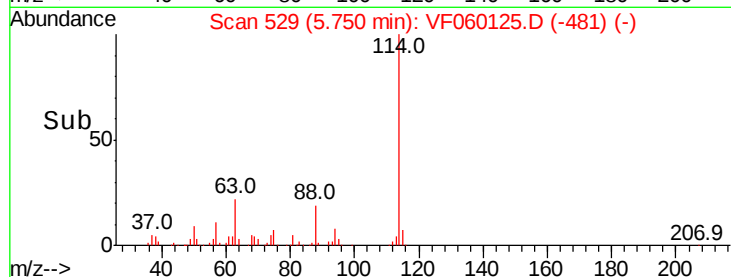
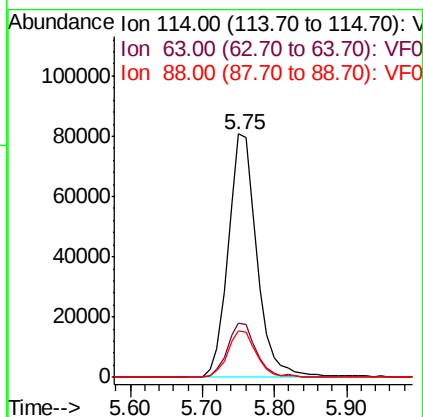
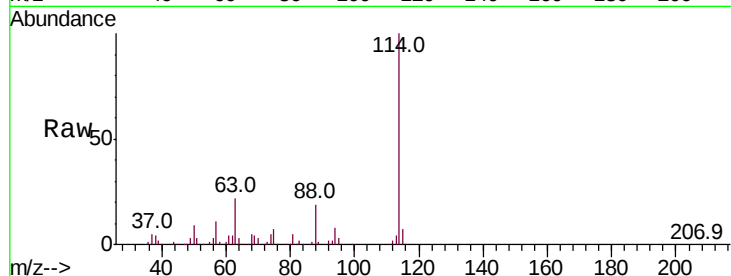




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VF060125.D
 Acq: 27 Aug 2018 15:19

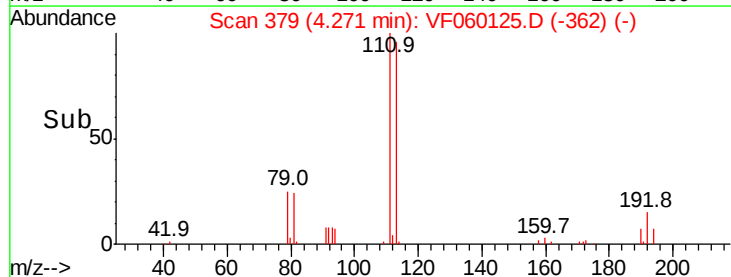
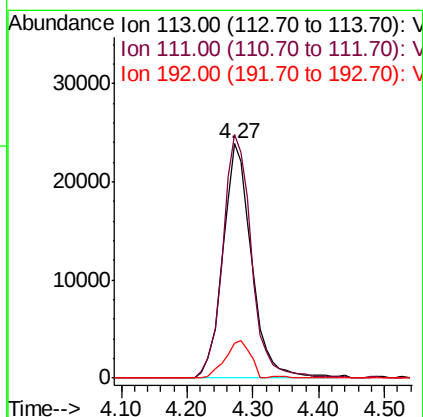
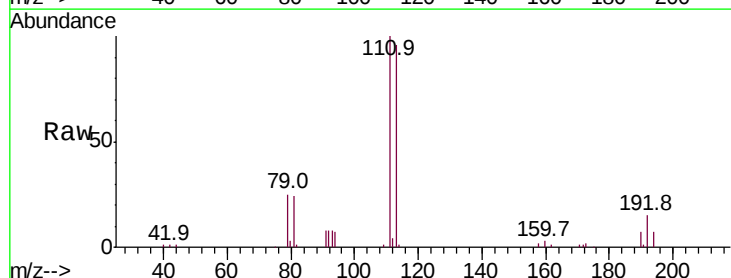
Instrument :
 MSVOA_F
 ClientSampleId :

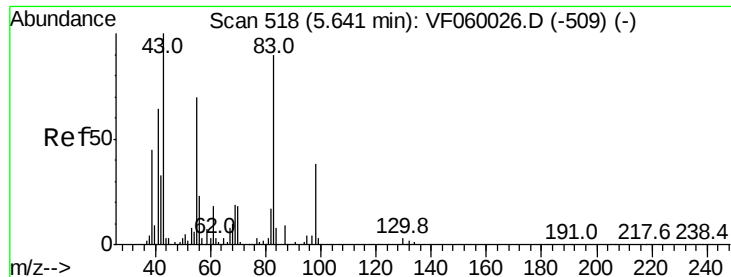
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	40.4
88	19.3	0.0	38.6



#35
 Dibromofluoromethane
 Concen: 41.518 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. -0.03 min
 Lab File: VF060125.D
 Acq: 27 Aug 2018 15:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.7	124.1
192	15.1	13.0	19.4

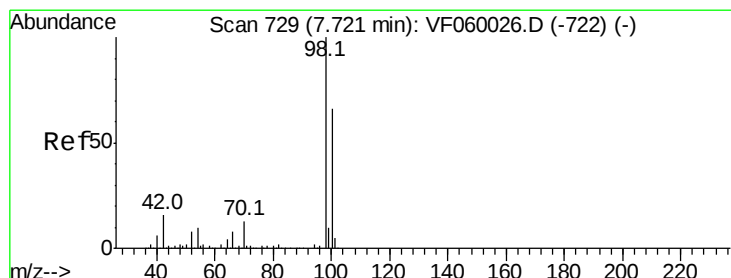
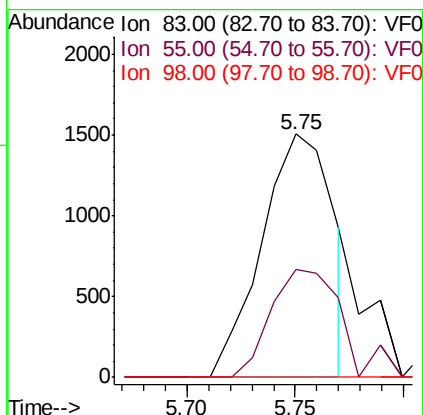
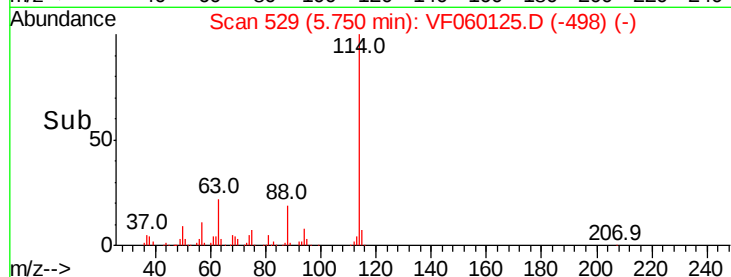
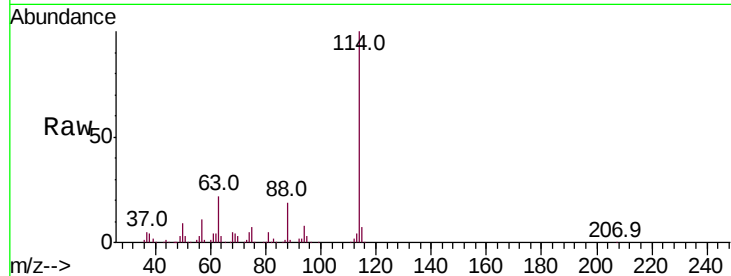




#39
Methvlcvclohexane
Concen: 1.765 ug/l
RT: 5.75 min Scan# 529
Delta R.T. 0.11 min
Lab File: VF060125.D
Acq: 27 Aug 2018 15:19

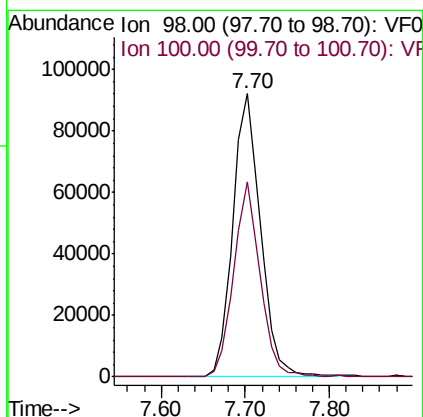
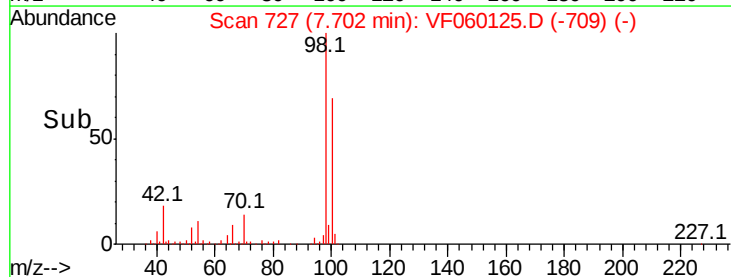
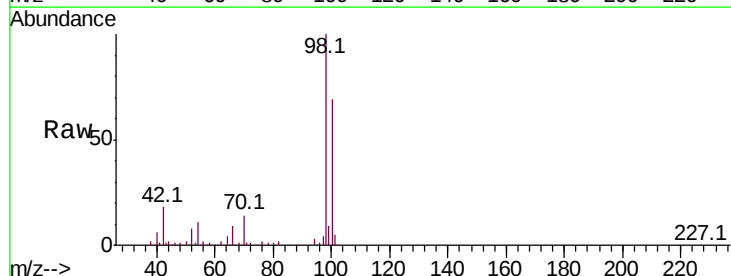
Instrument :
MSVOA_F
ClientSampleId :

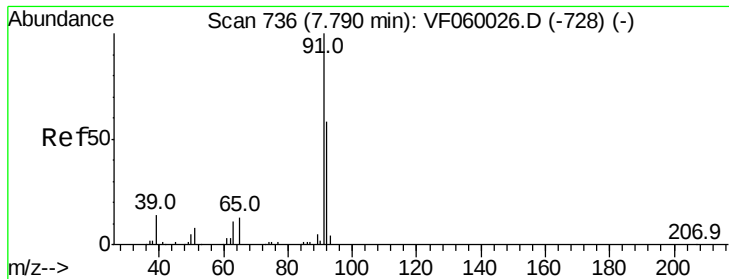
Tot Ion: 83 Resp: 3490
Ion Ratio Lower Upper
83 100
55 44.2 62.7 94.1#
98 0.0 33.8 50.8#



#50
Toluene-d8
Concen: 42.291 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF060125.D
Acq: 27 Aug 2018 15:19

Tgt Ion: 98 Resp: 211630
Ion Ratio Lower Upper
98 100
100 68.9 53.2 79.8





#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060125.D

Acq: 27 Aug 2018 15:19

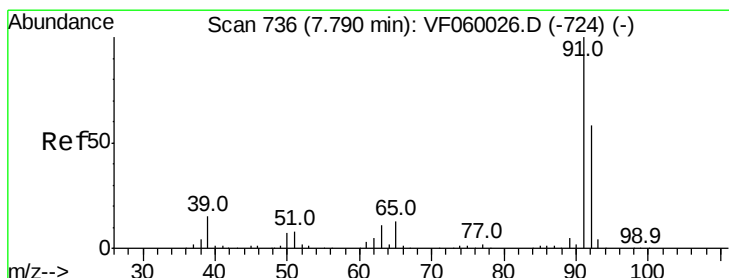
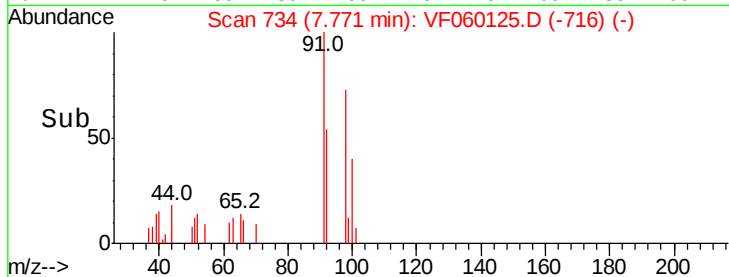
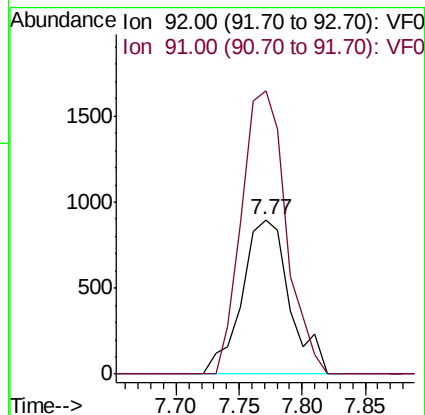
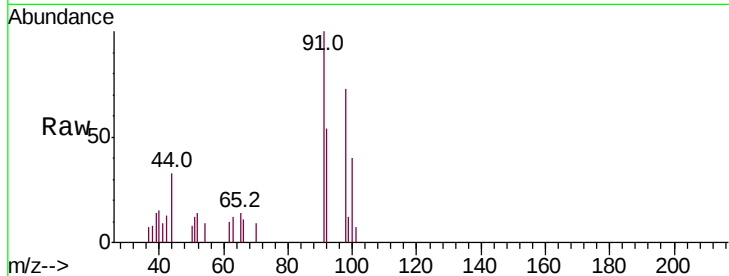
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 92 Resp: 2370

Ion Ratio Lower Upper

92 100

91 183.6 137.7 206.5



#58

2-Chloroethyl Vinyl ether

Concen: 2.713 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060125.D

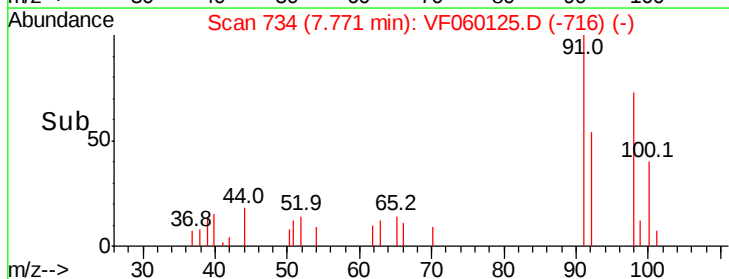
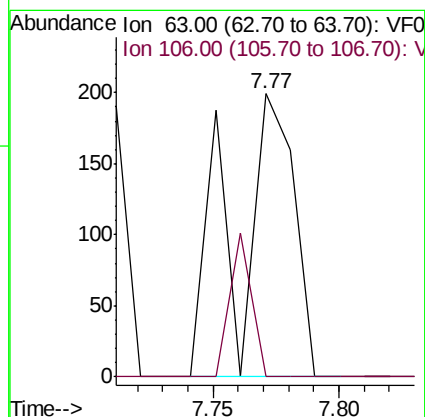
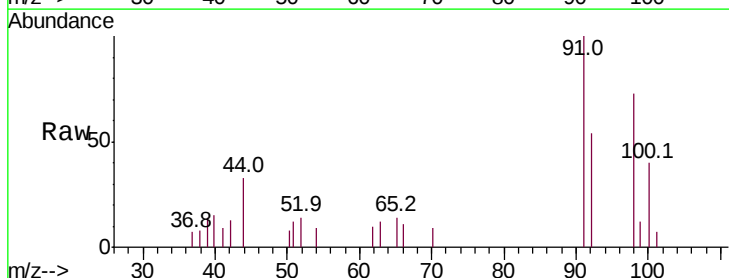
Acq: 27 Aug 2018 15:19

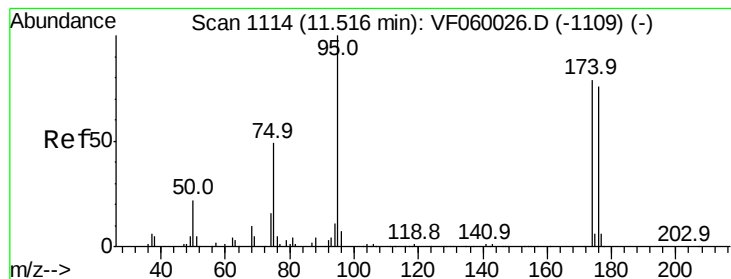
Tgt Ion: 63 Resp: 324

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#62

4-Bromofluorobenzene

Concen: 35.729 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060125.D

Acq: 27 Aug 2018 15:19

Instrument :

MSVOA_F

ClientSampleId :

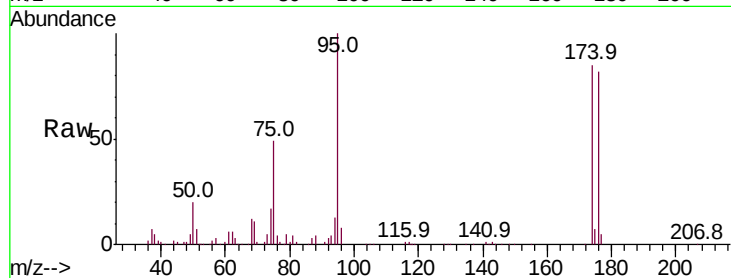
Tot Ion: 95 Resp: 94583

Ion Ratio Lower Upper

95 100

174 85.1 0.0 158.4

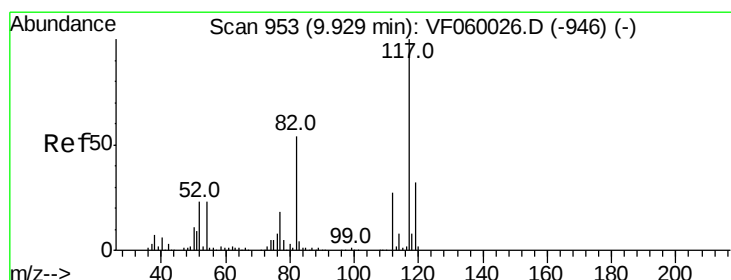
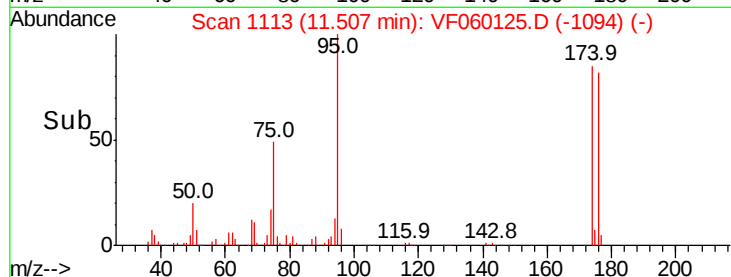
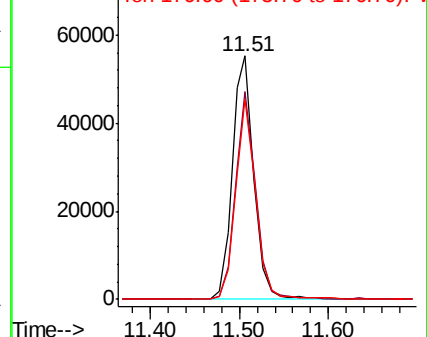
176 82.1 0.0 153.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.02 min

Lab File: VF060125.D

Acq: 27 Aug 2018 15:19

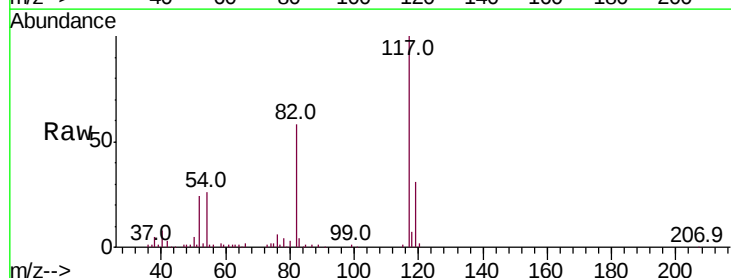
Tgt Ion: 117 Resp: 207543

Ion Ratio Lower Upper

117 100

82 57.9 43.6 65.4

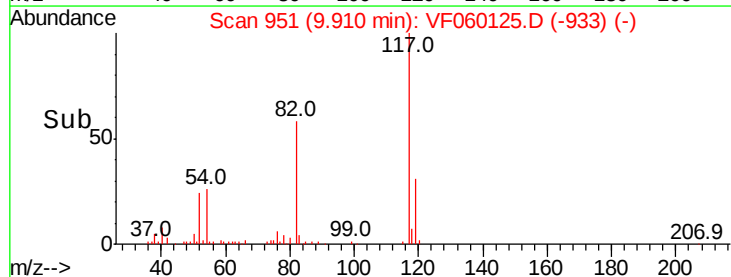
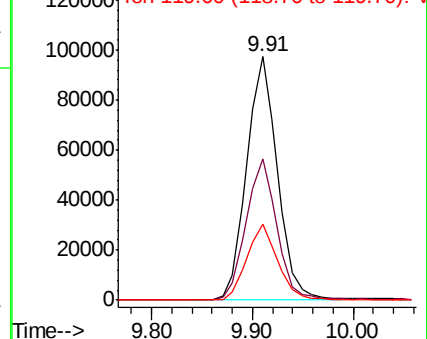
119 31.0 25.6 38.4

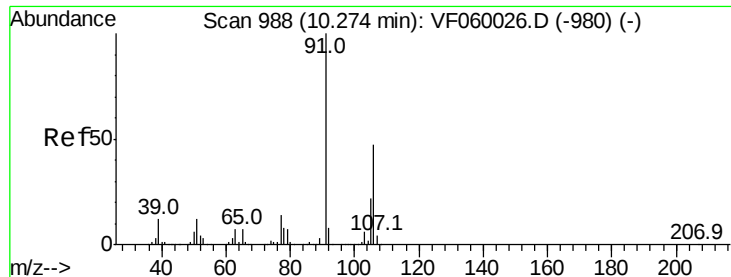


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

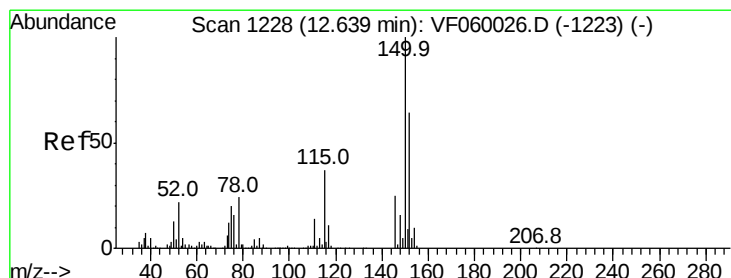
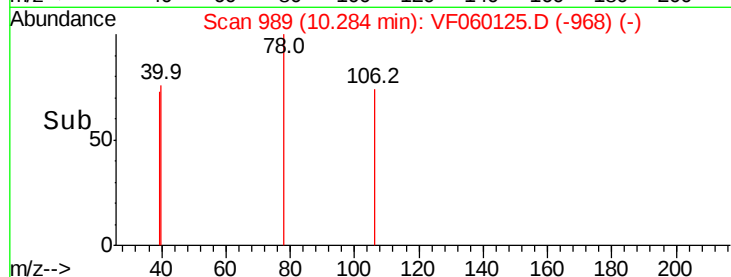
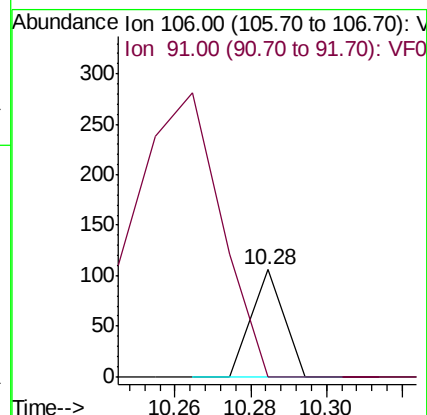
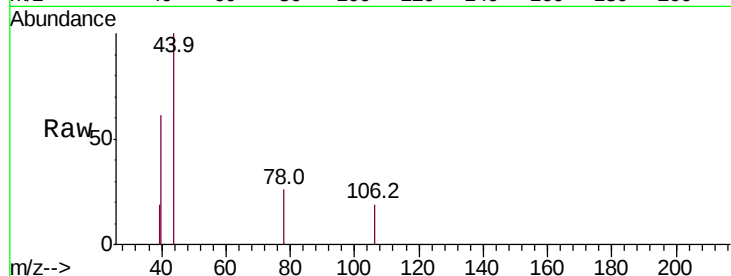




#68
m/p-Xvlenes
Concen: Below Cal
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF060125.D
Acq: 27 Aug 2018 15:19

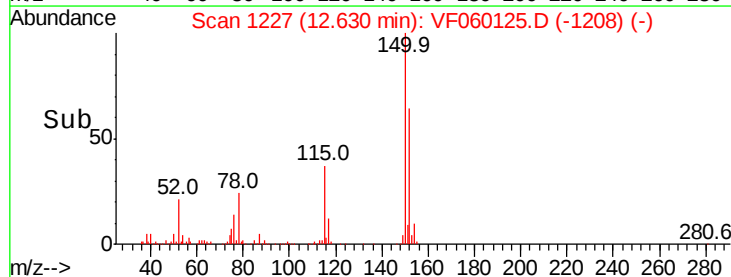
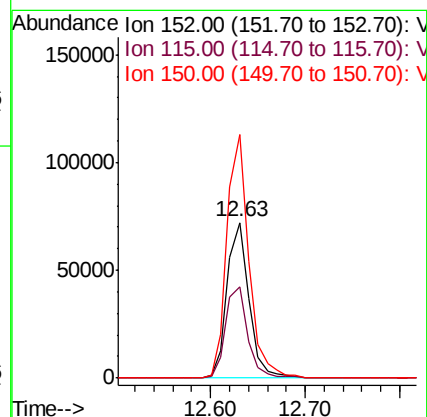
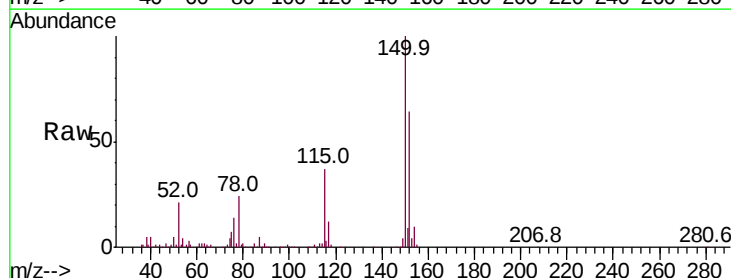
Instrument :
MSVOA_F
ClientSampled :

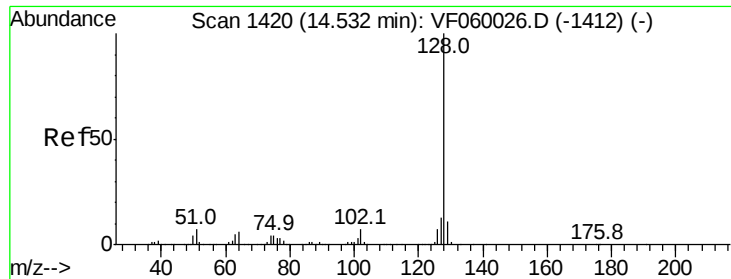
Tot Ion:106 Resp: 63
Ion Ratio Lower Upper
106 100
91 0.0 171.8 257.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060125.D
Acq: 27 Aug 2018 15:19

Tgt Ion:152 Resp: 116352
Ion Ratio Lower Upper
152 100
115 58.4 28.6 85.9
150 156.3 0.0 312.0





#95

Naphthalene

Concen: 2.314 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

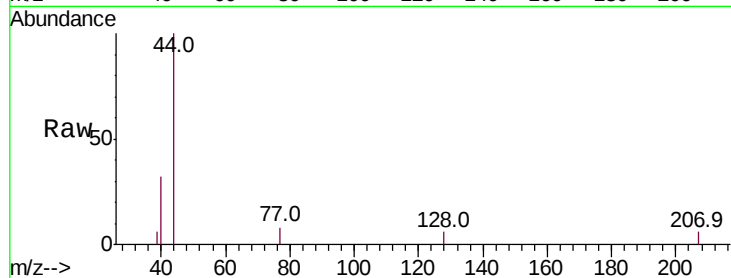
Lab File: VF060125.D

Acq: 27 Aug 2018 15:19

Instrument :

MSVOA_F

ClientSampleId :



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

