

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
 Data File : VF060133.D
 Acq On : 27 Aug 2018 19:02
 Operator : VA/AP
 Sample : J4646-09
 Misc : 5.38g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 27 19:20:44 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	129989	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	180223	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	143458	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	62754	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	52410	29.46	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	58.92%	
35) Dibromofluoromethane	4.28	113	60881	43.02	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	86.04%	
50) Toluene-d8	7.70	98	166744	41.49	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	82.98%	
62) 4-Bromofluorobenzene	11.51	95	61408	28.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	57.76%	

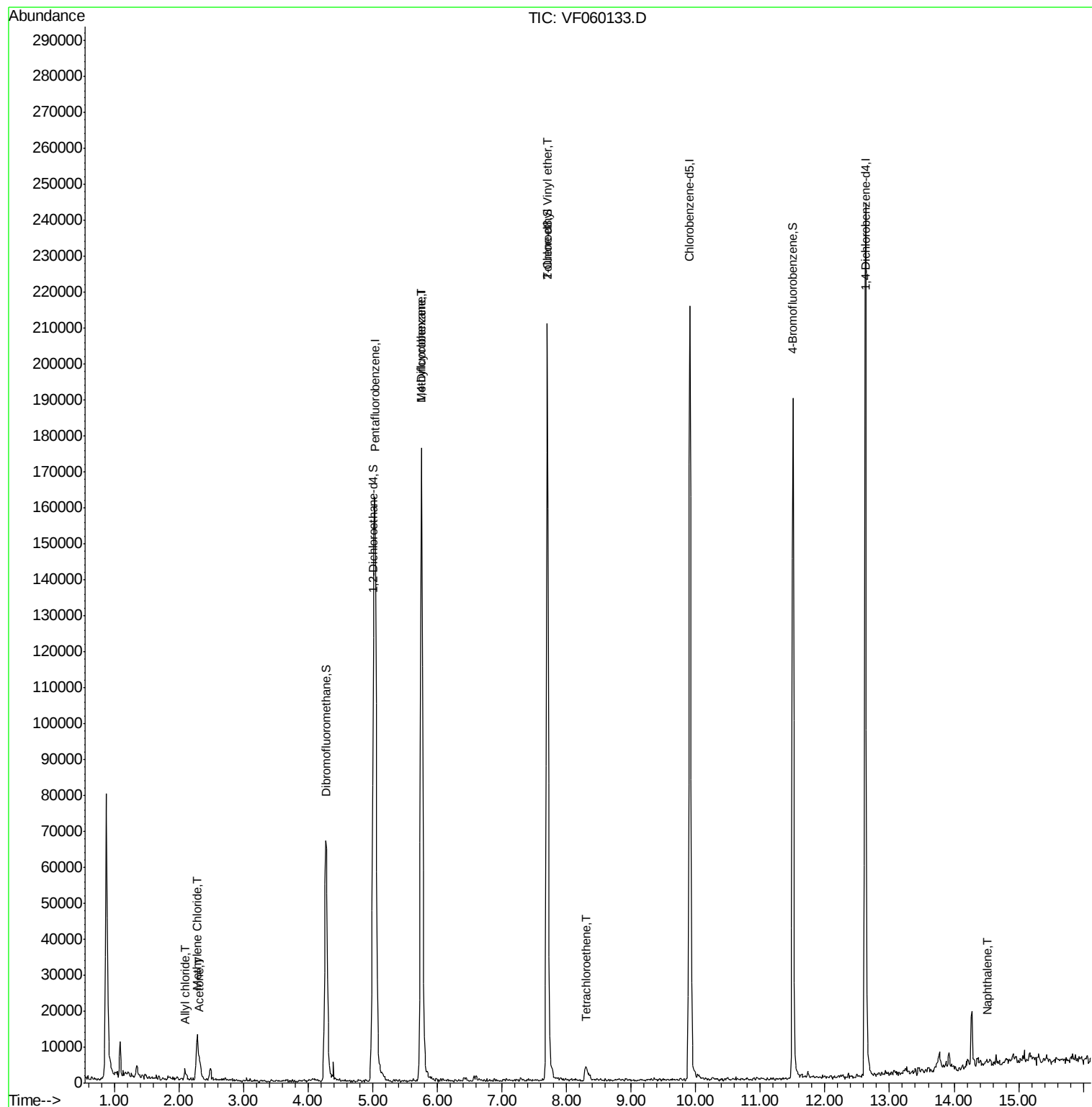
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	598	Below Cal	#	81
14) Allyl chloride	2.09	41	1478	1.007	ug/l #	76
16) Acetone	2.32	43	3659	7.826	ug/l #	92
18) Methyl Acetate	2.42	43	179	Below Cal	#	60
20) Methylene Chloride	2.28	84	7387	3.227	ug/l #	90
39) Methylcyclohexane	5.75	83	3015	1.899	ug/l #	40
52) Toluene	7.76	92	444	Below Cal		87
58) 2-Chloroethyl Vinyl ether	7.69	63	269	2.805	ug/l	100
64) Tetrachloroethene	8.29	164	1137	1.177	ug/l #	84
68) m/p-Xylenes	10.25	106	63	Below Cal		88
95) Naphthalene	14.52	128	267	2.395	ug/l #	69

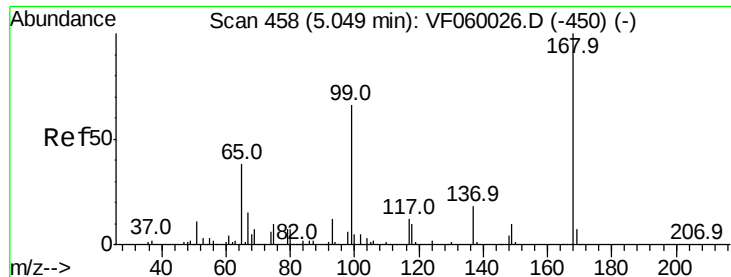
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082718\
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Acq On : 27 Aug 2018 19:02
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Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 27 19:20:44 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: VF060133.D

Acq: 27 Aug 2018 19:02

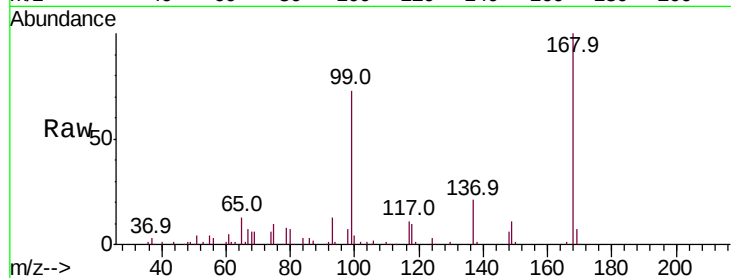
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 129989

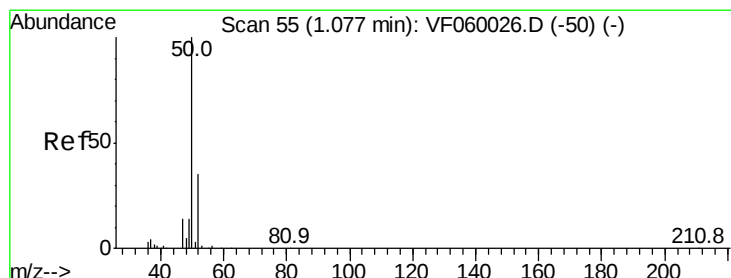
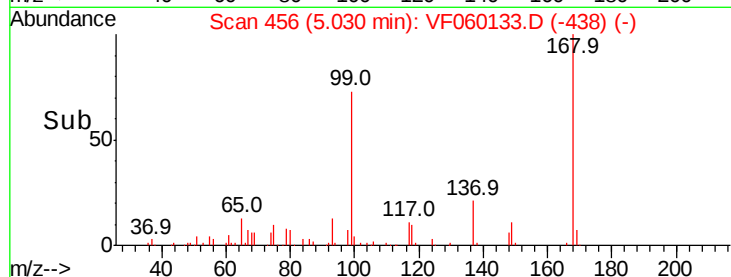
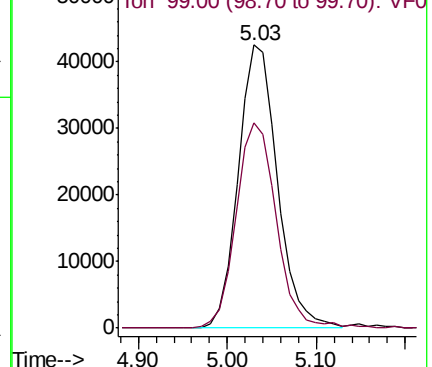
Ion Ratio Lower Upper

168 100

99 72.5 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: VF060133.D

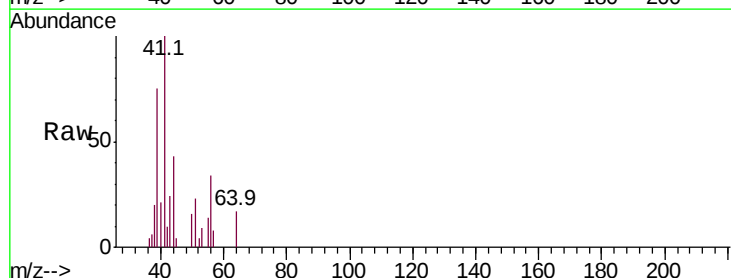
Acq: 27 Aug 2018 19:02

Tgt Ion: 50 Resp: 598

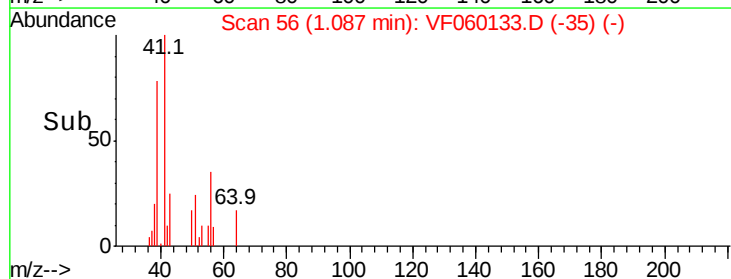
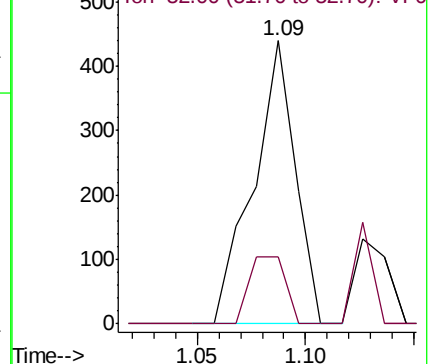
Ion Ratio Lower Upper

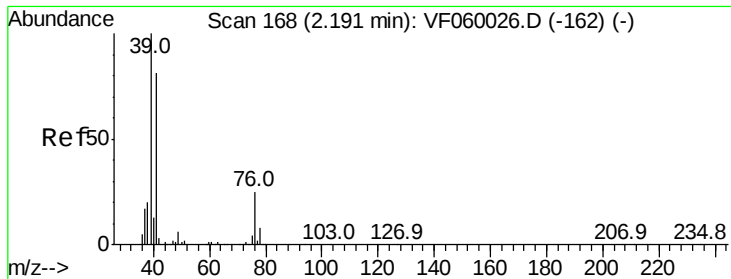
50 100

52 23.7 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#14

Allvl chloride

Concen: 1.007 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.10 min

Lab File: VF060133.D

Acq: 27 Aug 2018 19:02

Instrument :
MSVOA_F
ClientSampleId :

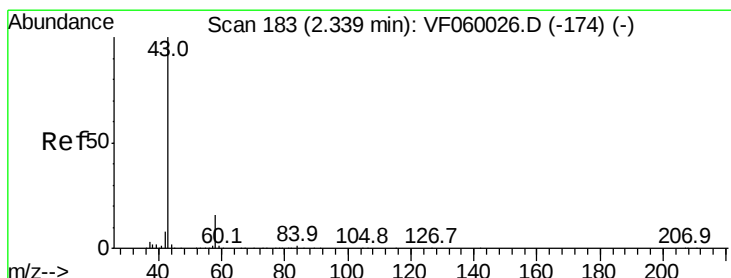
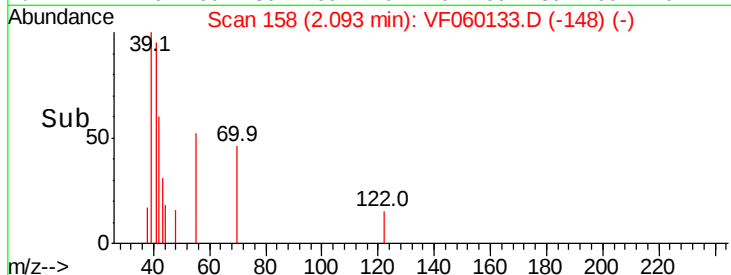
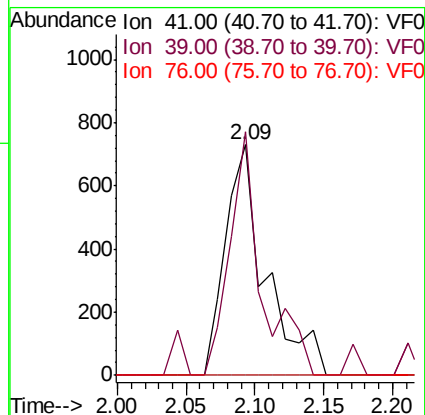
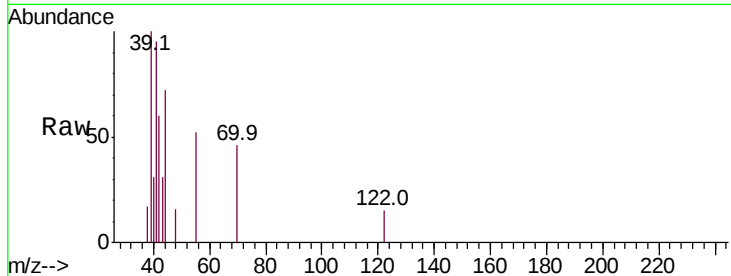
Tot Ion: 41 Resp: 1478

Ion Ratio Lower Upper

41 100

39 105.6 99.3 148.9

76 0.0 24.3 36.5#



#16

Acetone

Concen: 7.826 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF060133.D

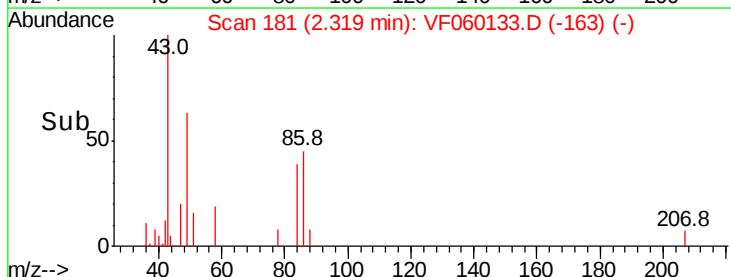
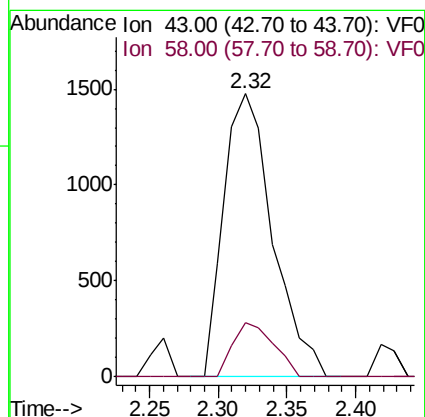
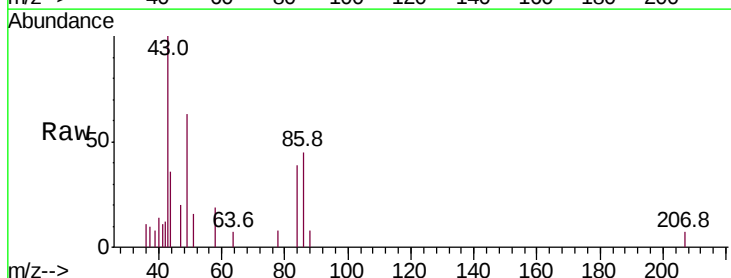
Acq: 27 Aug 2018 19:02

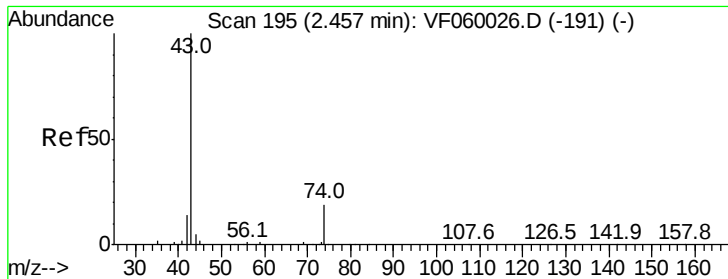
Tgt Ion: 43 Resp: 3659

Ion Ratio Lower Upper

43 100

58 19.3 12.6 19.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 2.42 min Scan# 191

Delta R.T. -0.04 min

Lab File: VF060133.D

Acq: 27 Aug 2018 19:02

Instrument :

MSVOA_F

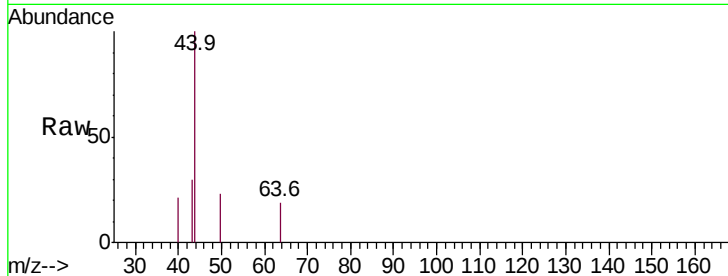
ClientSampleId :

Tot Ion: 43 Resp: 179

Ion Ratio Lower Upper

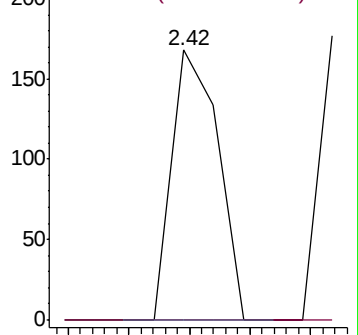
43 100

74 0.0 13.8 20.6#

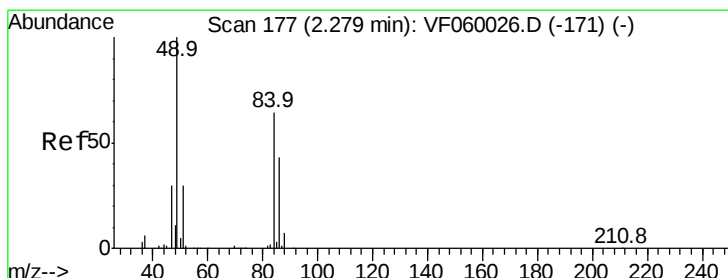
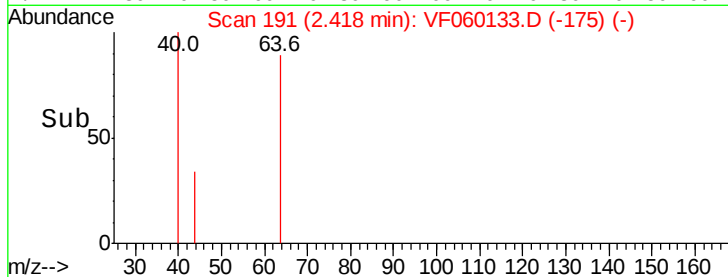


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



Time-->



#20

Methylene Chloride

Concen: 3.227 ug/l

RT: 2.28 min Scan# 177

Delta R.T. 0.00 min

Lab File: VF060133.D

Acq: 27 Aug 2018 19:02

Tgt Ion: 84 Resp: 7387

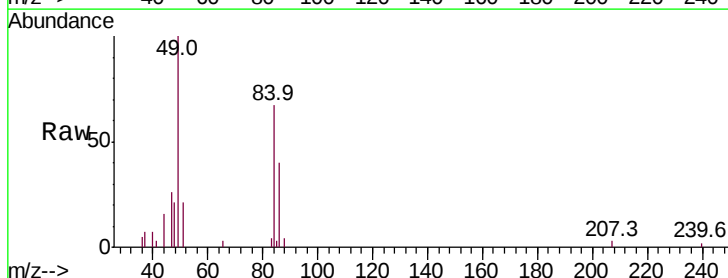
Ion Ratio Lower Upper

84 100

49 148.8 125.4 188.0

51 31.9 38.3 57.5#

86 59.7 53.3 79.9

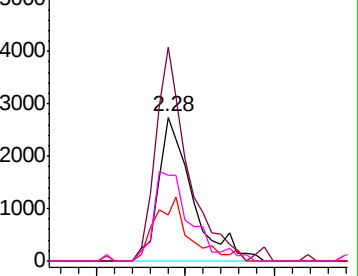


Abundance Ion 84.00 (83.70 to 84.70): VF0

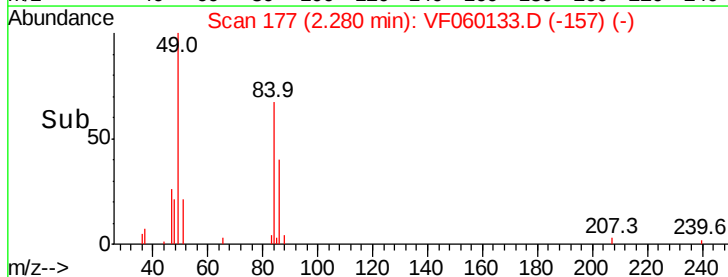
Ion 49.00 (48.70 to 49.70): VF0

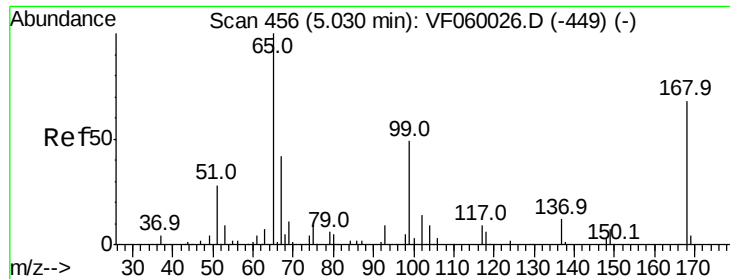
Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->

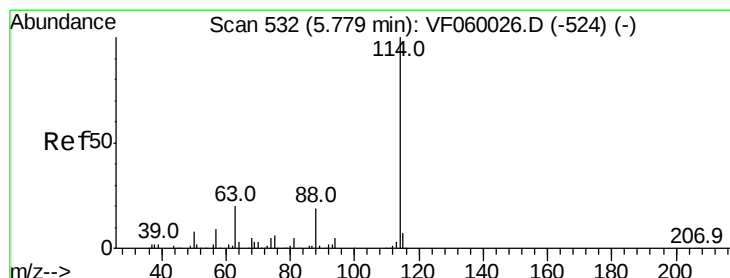
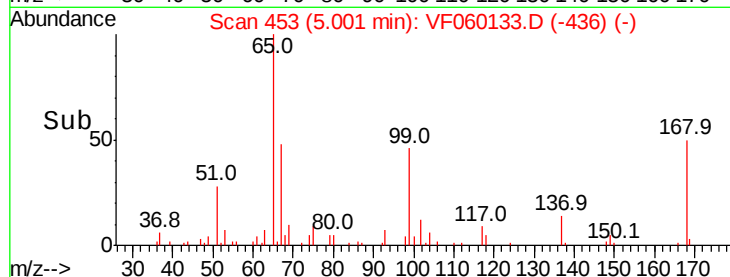
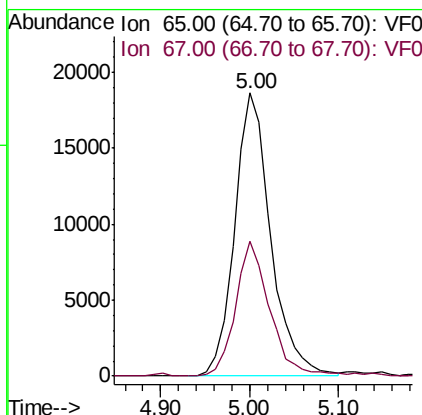
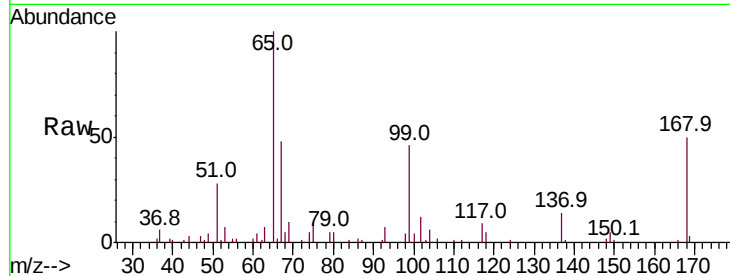




#33
 1,2-Dichloroethane-d4
 Concen: 29.459 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.03 min
 Lab File: VF060133.D
 Acq: 27 Aug 2018 19:02

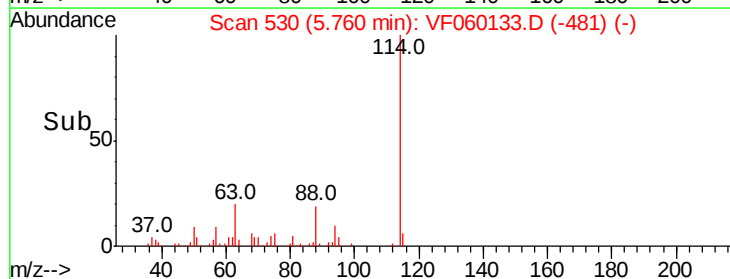
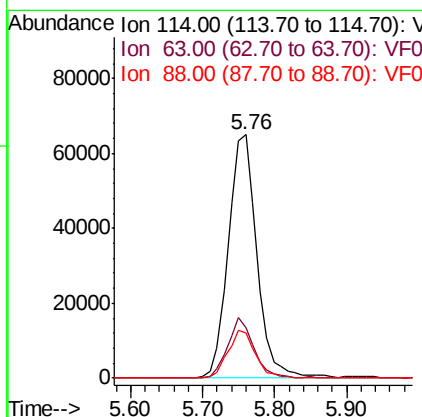
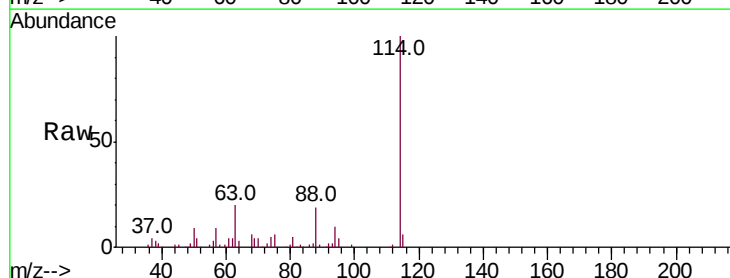
Instrument :
 MSVOA_F
 ClientSampled :

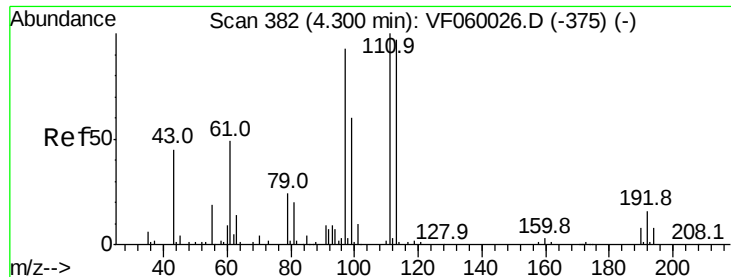
Tot Ion: 65 Resp: 52410
 Ion Ratio Lower Upper
 65 100
 67 47.6 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060133.D
 Acq: 27 Aug 2018 19:02

Tgt Ion: 114 Resp: 180223
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.4
 88 18.8 0.0 38.6





#35

Dibromofluoromethane

Concen: 43.019 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF060133.D

Acq: 27 Aug 2018 19:02

Instrument :

MSVOA_F

ClientSampleId :

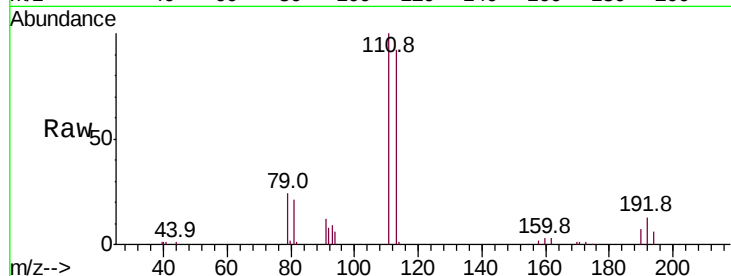
Tot Ion:113 Resp: 60881

Ion Ratio Lower Upper

113 100

111 108.5 82.7 124.1

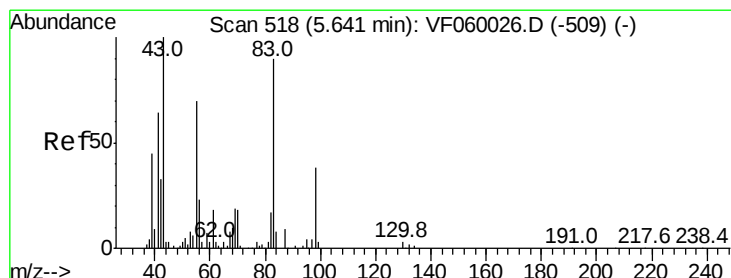
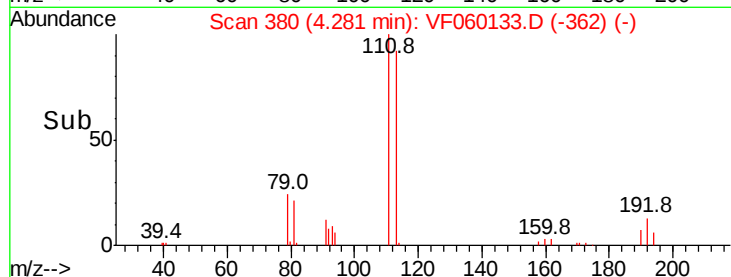
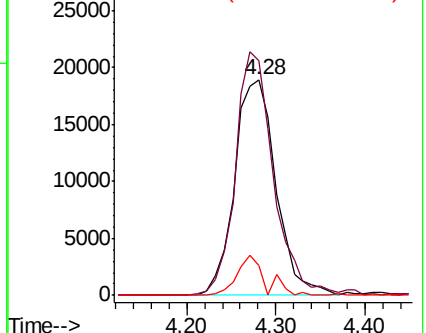
192 14.1 13.0 19.4



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



#39

Methylcyclohexane

Concen: 1.899 ug/l

RT: 5.75 min Scan# 529

Delta R.T. 0.11 min

Lab File: VF060133.D

Acq: 27 Aug 2018 19:02

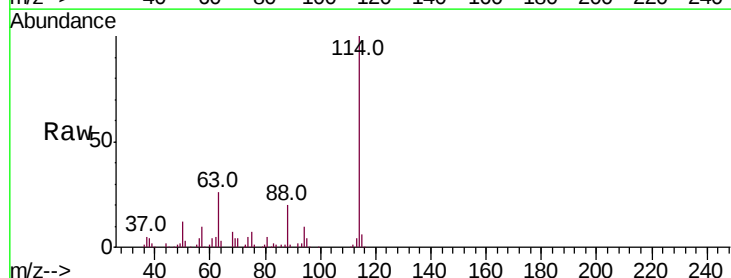
Tgt Ion: 83 Resp: 3015

Ion Ratio Lower Upper

83 100

55 29.4 62.7 94.1#

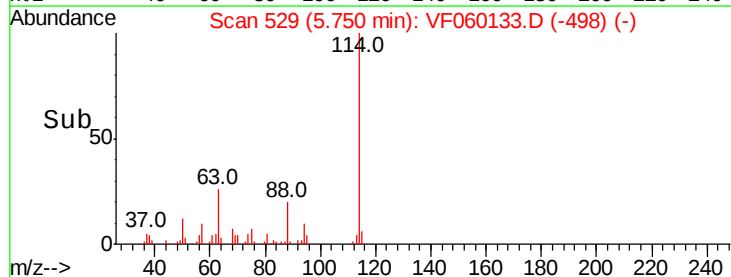
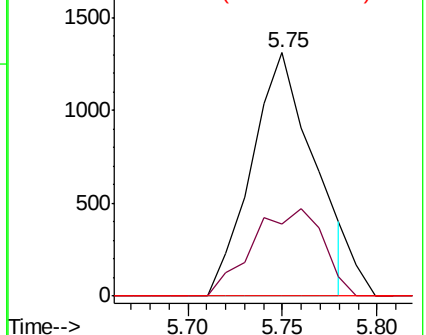
98 0.0 33.8 50.8#

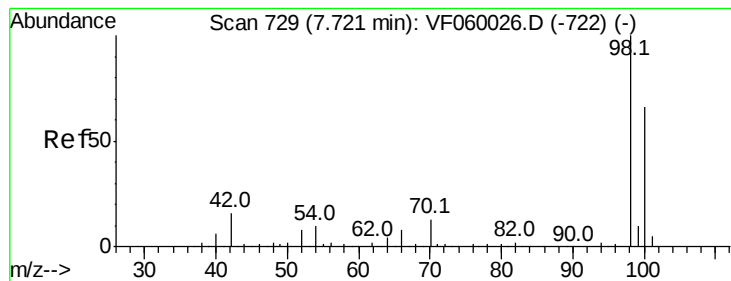


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#50

Toluene-d8

Concen: 41.487 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF060133.D

Acq: 27 Aug 2018 19:02

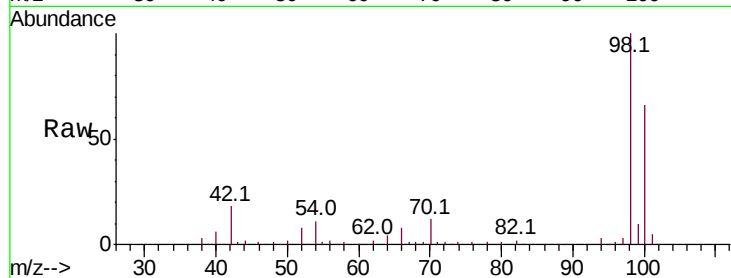
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 98 Resp: 166744

Ion Ratio Lower Upper

98 100

100 65.7 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

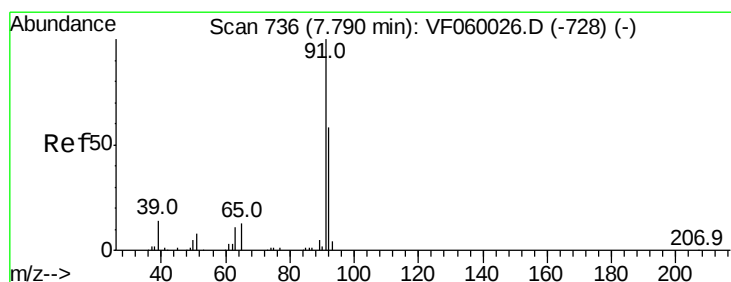
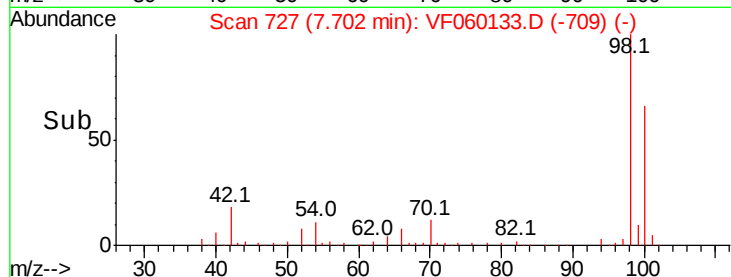
40000

20000

0

Time-->

7.60 7.70 7.80



#52

Toluene

Concen: Below Cal

RT: 7.76 min Scan# 733

Delta R.T. -0.03 min

Lab File: VF060133.D

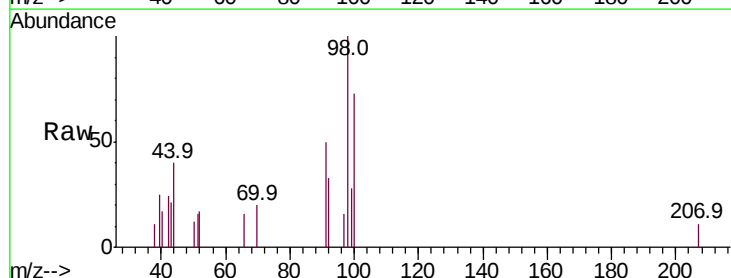
Acq: 27 Aug 2018 19:02

Tgt Ion: 92 Resp: 444

Ion Ratio Lower Upper

92 100

91 153.9 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

500

400

300

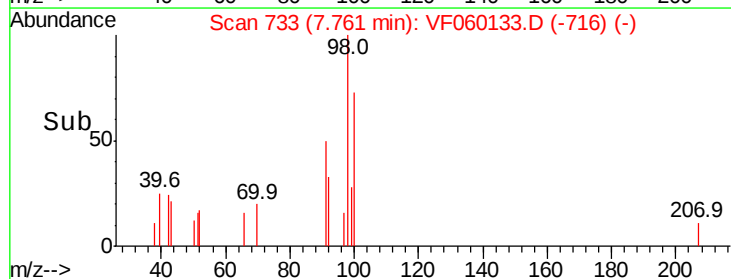
200

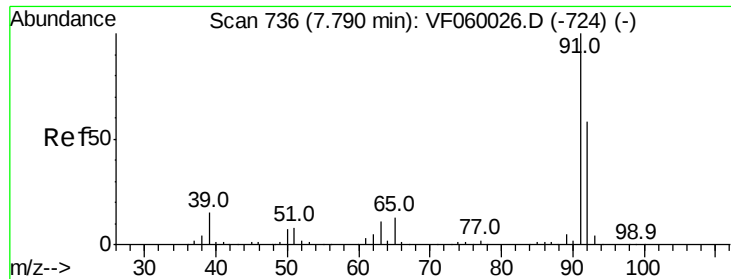
100

0

Time-->

7.75 7.80

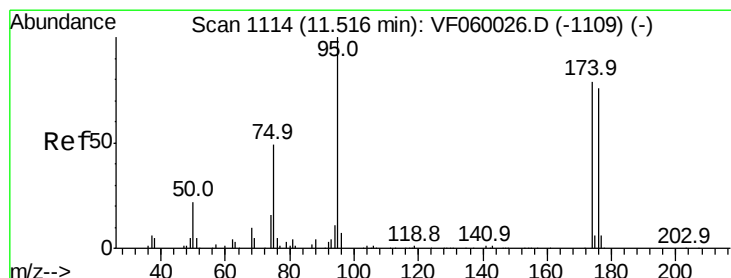
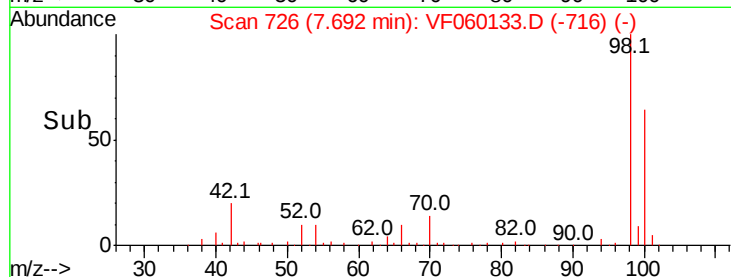
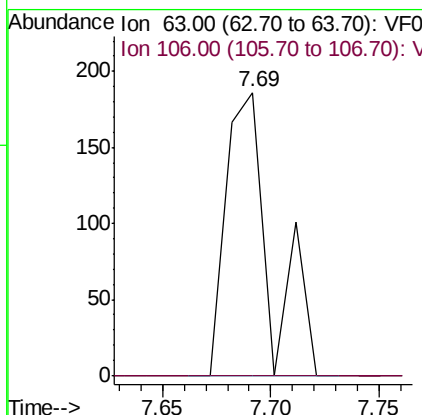
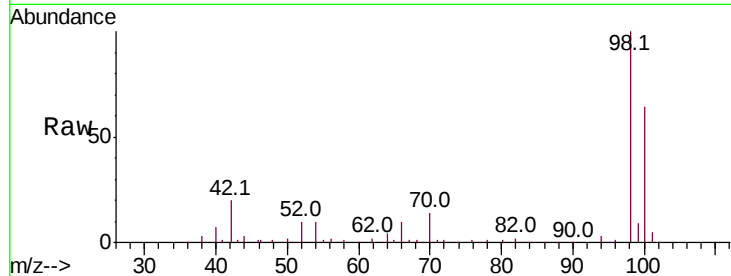




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.805 ug/l
 RT: 7.69 min Scan# 726
 Delta R.T. -0.10 min
 Lab File: VF060133.D
 Acq: 27 Aug 2018 19:02

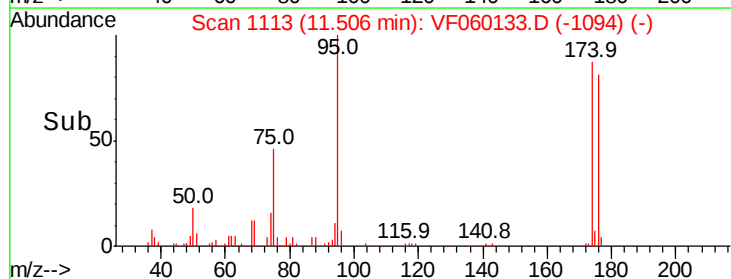
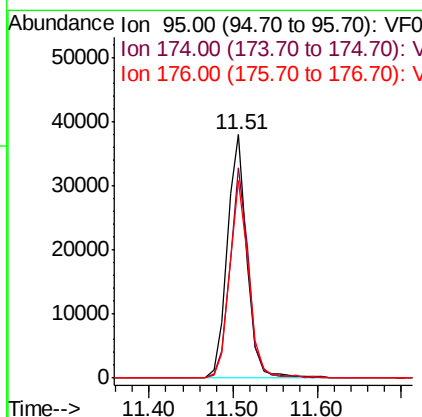
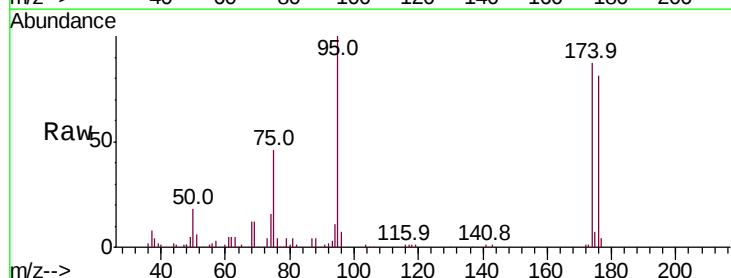
Instrument :
 MSVOA_F
 ClientSampled :

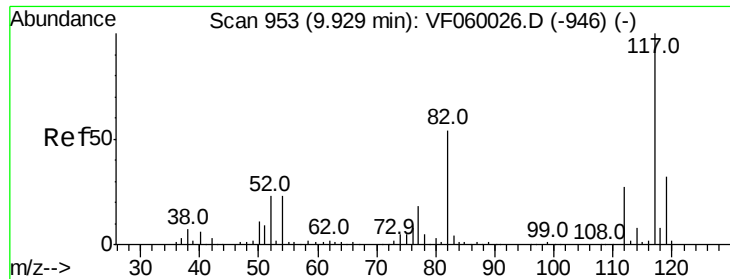
Tot Ion: 63 Resp: 269
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 28.882 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF060133.D
 Acq: 27 Aug 2018 19:02

Tgt Ion: 95 Resp: 61408
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 158.4
 176 81.3 0.0 153.0

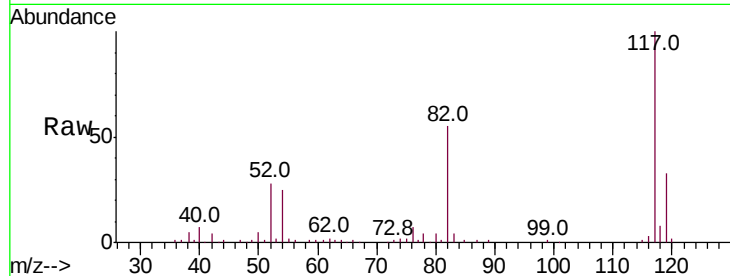




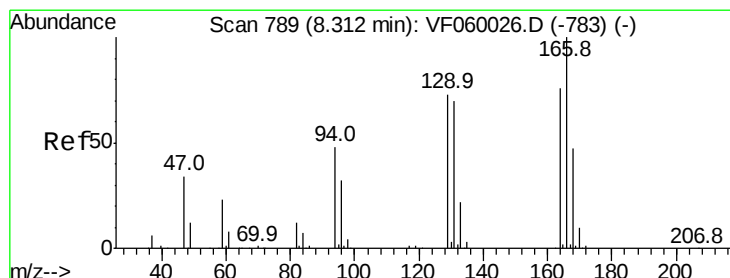
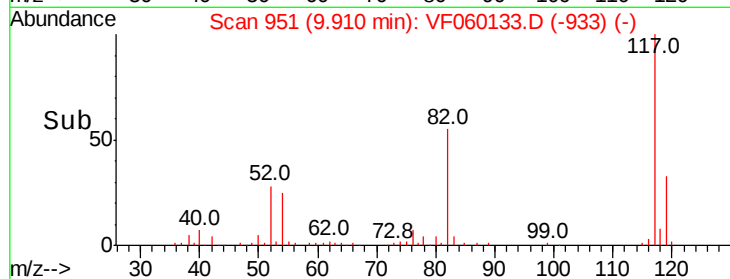
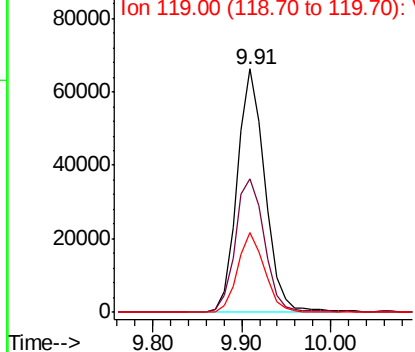
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060133.D
Acq: 27 Aug 2018 19:02

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 143458
Ion Ratio Lower Upper
117 100
82 54.8 43.6 65.4
119 32.7 25.6 38.4

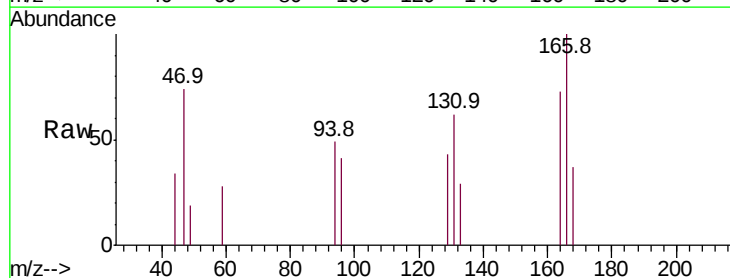


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

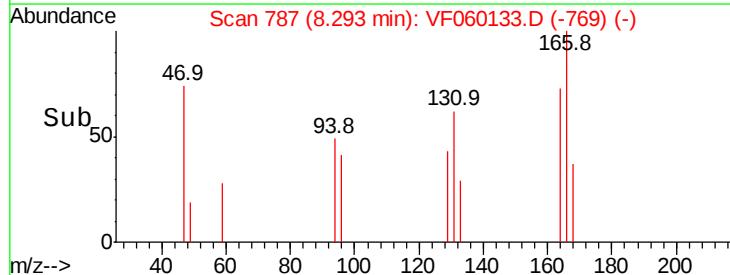
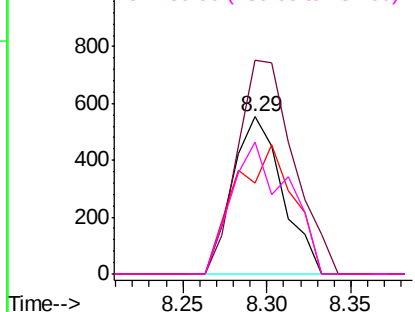


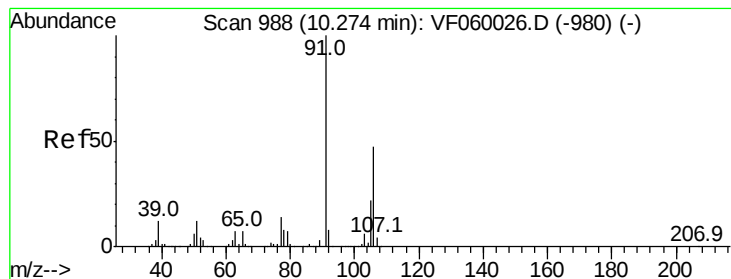
#64
Tetrachloroethene
Concen: 1.177 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF060133.D
Acq: 27 Aug 2018 19:02

Tgt Ion:164 Resp: 1137
Ion Ratio Lower Upper
164 100
166 136.2 104.7 157.1
129 58.0 77.0 115.4#
131 84.1 72.9 109.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#68

m/p-Xvlenes

Concen: Below Cal

RT: 10.25 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF060133.D

Acq: 27 Aug 2018 19:02

Instrument :

MSVOA_F

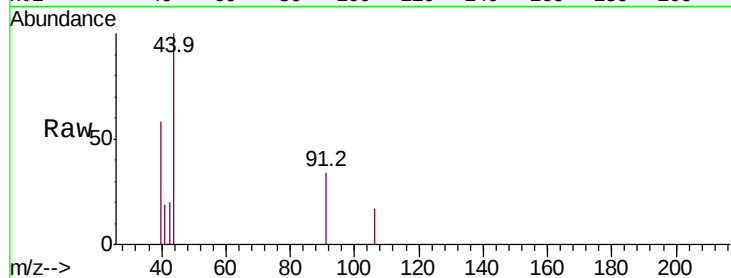
ClientSampled :

Tot Ion:106 Resp: 63

Ion Ratio Lower Upper

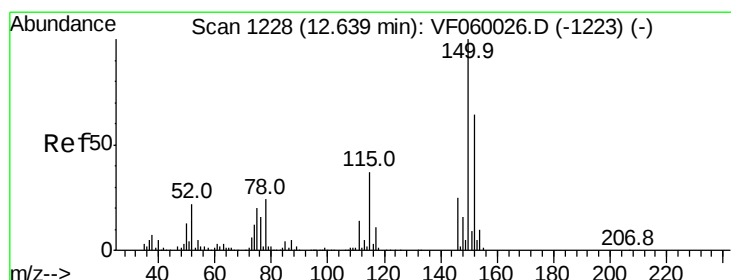
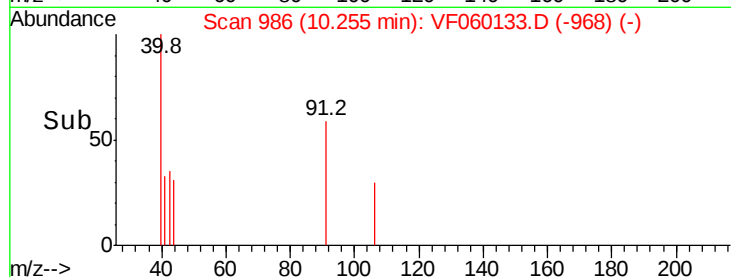
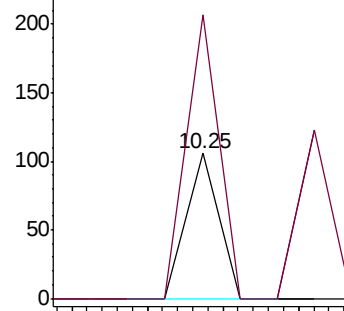
106 100

91 195.3 171.8 257.8



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: VF060133.D

Acq: 27 Aug 2018 19:02

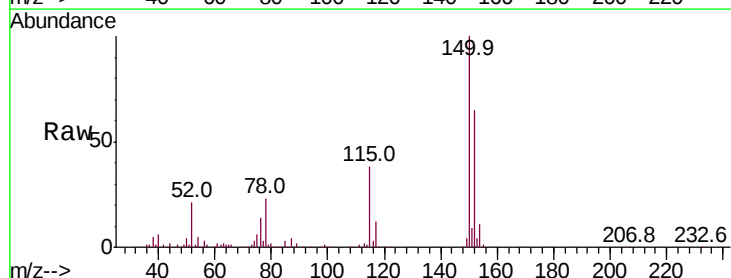
Tgt Ion:152 Resp: 62754

Ion Ratio Lower Upper

152 100

115 58.6 28.6 85.9

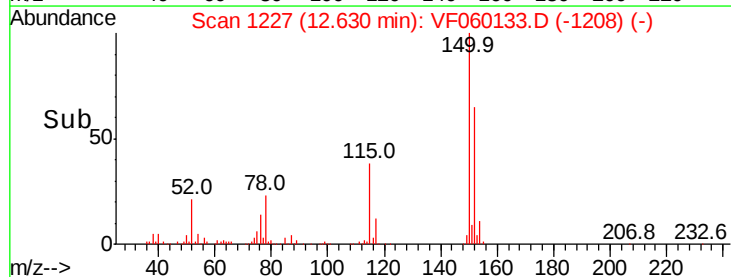
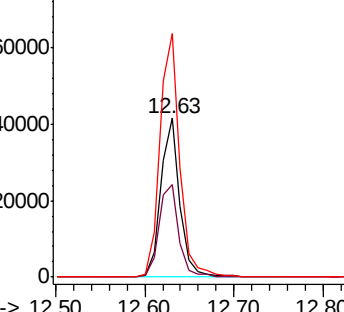
150 153.5 0.0 312.0

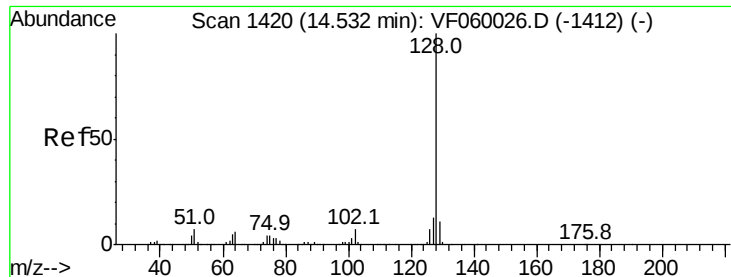


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#95
 Naphthalene
 Concen: 2.395 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: VF060133.D
 Acq: 27 Aug 2018 19:02

Instrument :
 MSVOA_F
 ClientSampleId :

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

