

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060153.D
 Acq On : 28 Aug 2018 16:45
 Operator : VA/AP
 Sample : J4646-03RE
 Misc : 5.46g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A7RE

Quant Time: Aug 29 01:16:20 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	5.04	168	132231	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	168130	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	148445	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	77917	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	45771	25.29	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	50.58%	
35) Dibromofluoromethane	4.28	113	53438	40.48	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	80.96%	
50) Toluene-d8	7.70	98	167939	44.79	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.58%	
62) 4-Bromofluorobenzene	11.50	95	66283	33.42	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	66.84%	

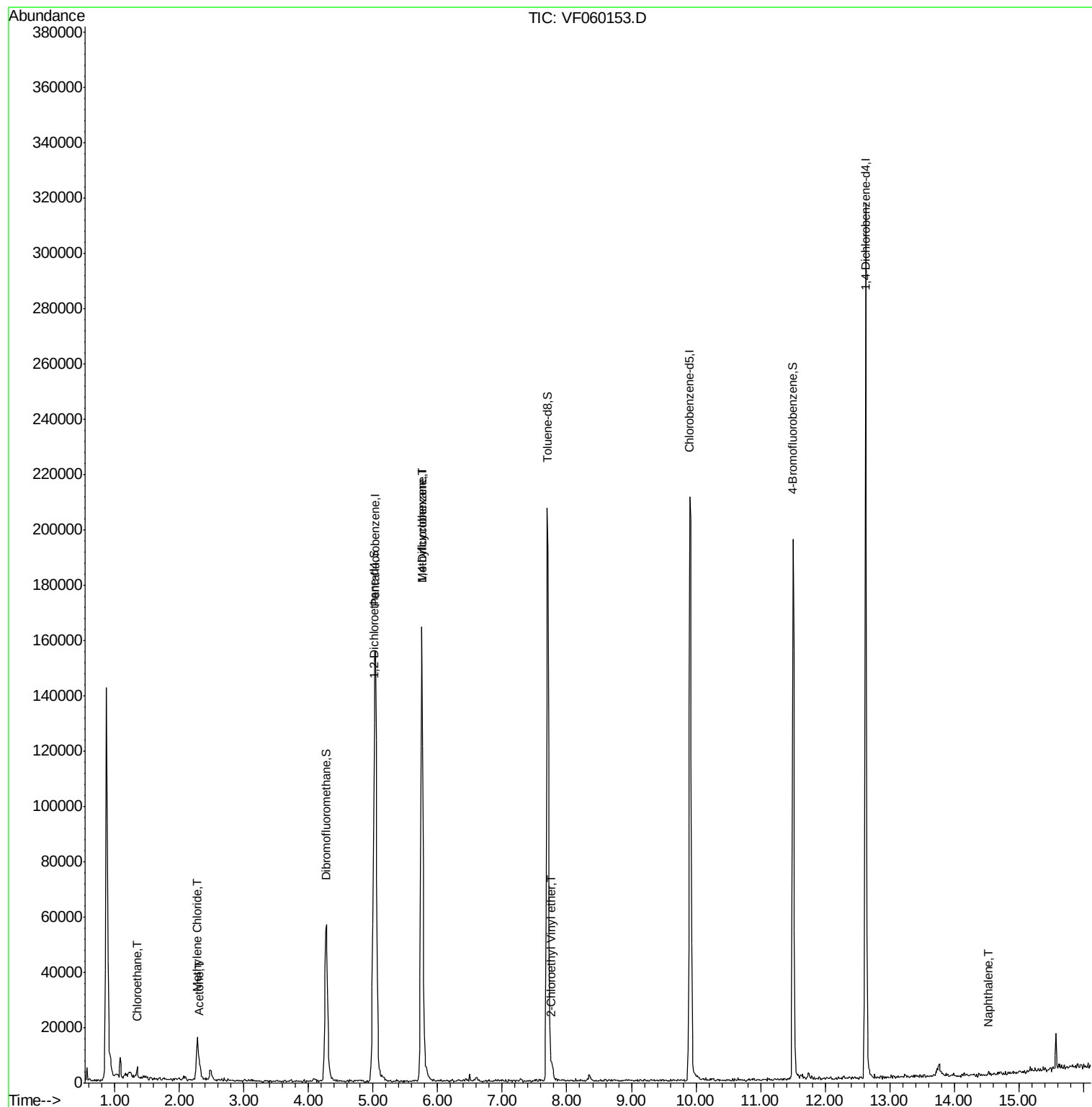
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.07	50	507	Below Cal	#	40
6) Chloroethane	1.34	64	626	1.47	ug/l #	1
16) Acetone	2.32	43	2790	5.87	ug/l #	92
18) Methyl Acetate	2.47	43	1935	Below Cal	#	60
20) Methylene Chloride	2.28	84	8873	4.84	ug/l	93
39) Methylcyclohexane	5.76	83	2641	1.78	ug/l #	49
52) Toluene	7.78	92	1943	Below Cal	#	68
58) 2-Chloroethyl Vinyl ether	7.77	63	177	1.98	ug/l	100
95) Naphthalene	14.53	128	359	2.40	ug/l #	69

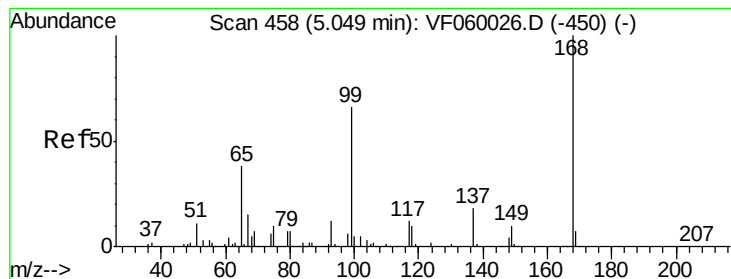
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082818\
Data File : VF060153.D
Acq On : 28 Aug 2018 16:45
Operator : VA/AP
Sample : J4646-03RE
Misc : 5.46g/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7RE

Quant Time: Aug 29 01:16:20 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: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060153.D

Acq: 28 Aug 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

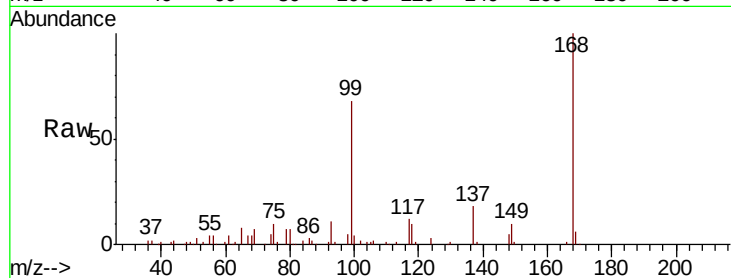
EP1-Q4-A7RE

Tot Ion:168 Resp: 132231

Ion Ratio Lower Upper

168 100

99 68.1 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

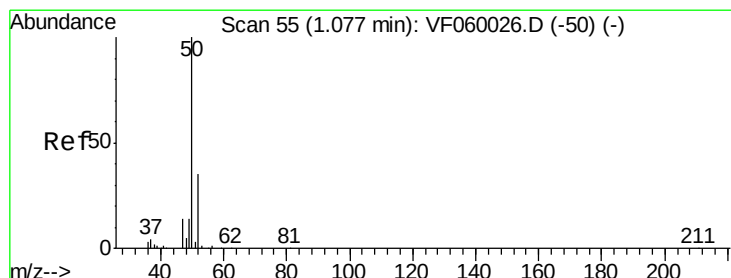
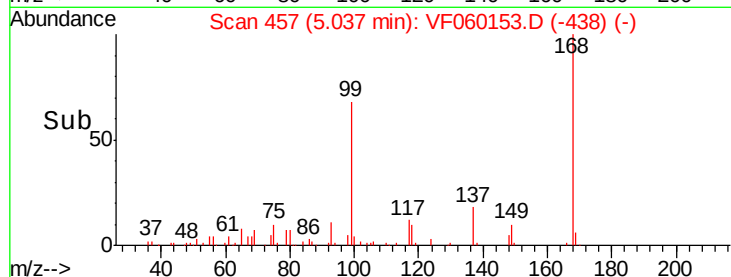
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060153.D

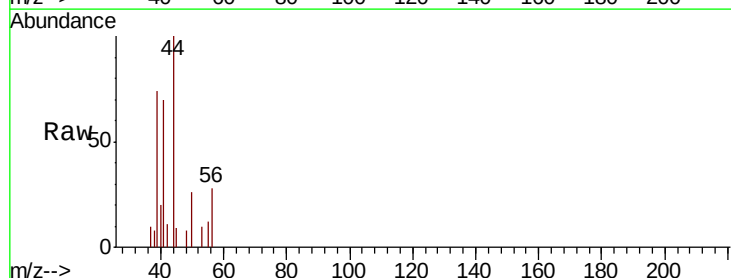
Acq: 28 Aug 2018 16:45

Tgt Ion: 50 Resp: 507

Ion Ratio Lower Upper

50 100

52 0.0 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.07

400

300

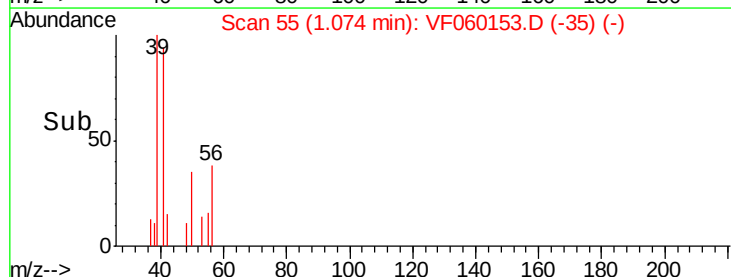
200

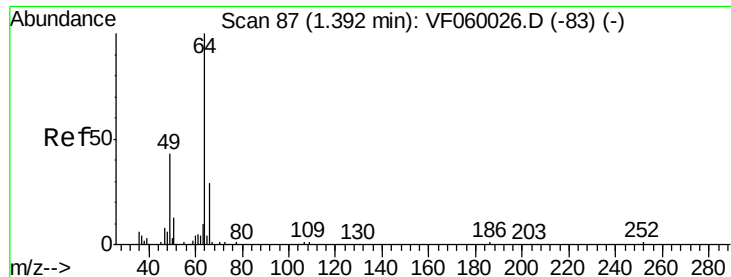
100

0

Time-->

1.05 1.10





#6

Chloroethane

Concen: 1.47 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.05 min

Lab File: VF060153.D

Acq: 28 Aug 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

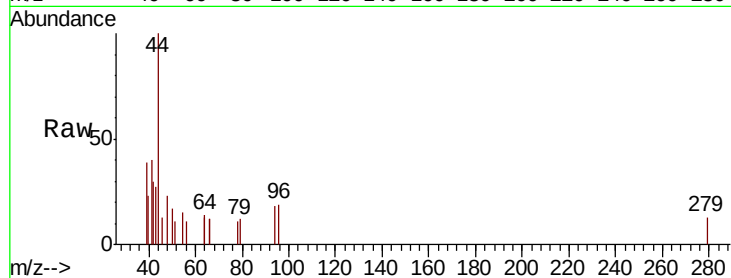
EP1-Q4-A7RE

Tot Ion: 64 Resp: 626

Ion Ratio Lower Upper

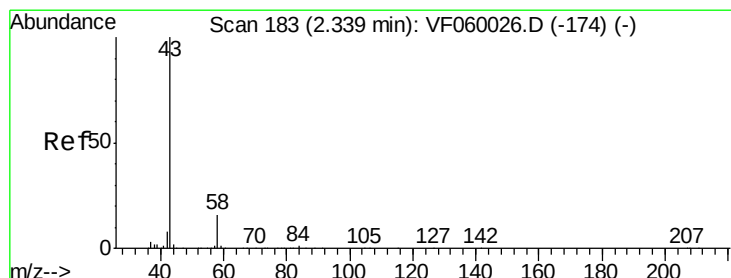
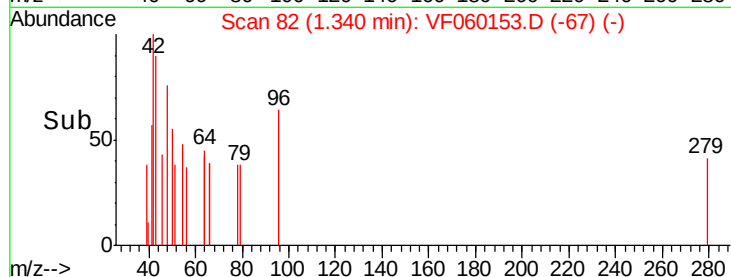
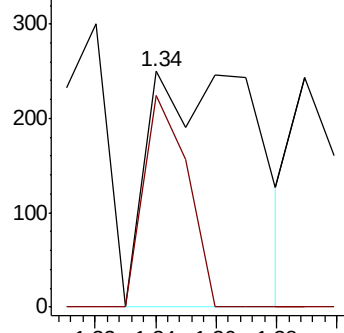
64 100

66 89.6 24.1 36.1#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#16

Acetone

Concen: 5.87 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF060153.D

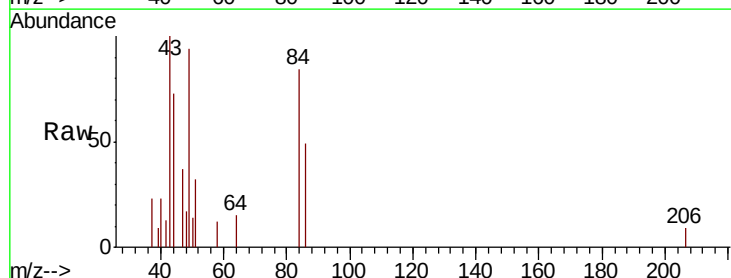
Acq: 28 Aug 2018 16:45

Tgt Ion: 43 Resp: 2790

Ion Ratio Lower Upper

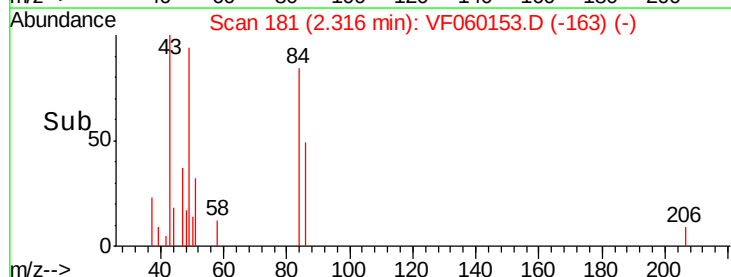
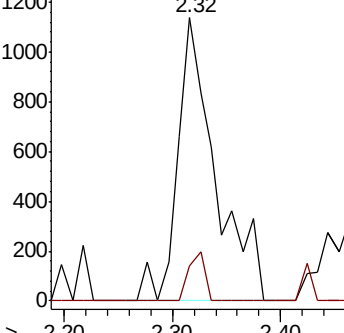
43 100

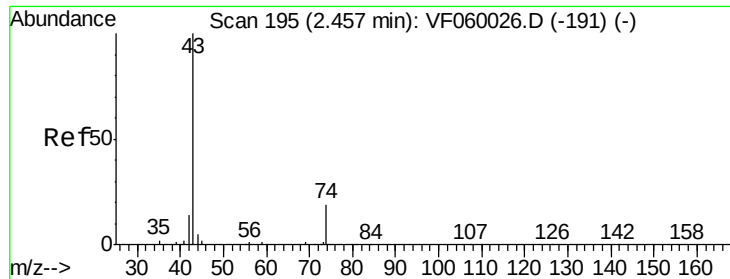
58 12.4 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

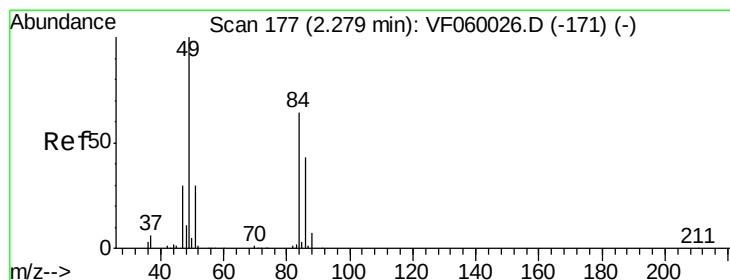
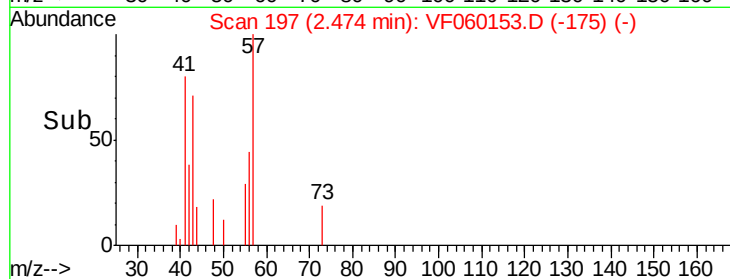
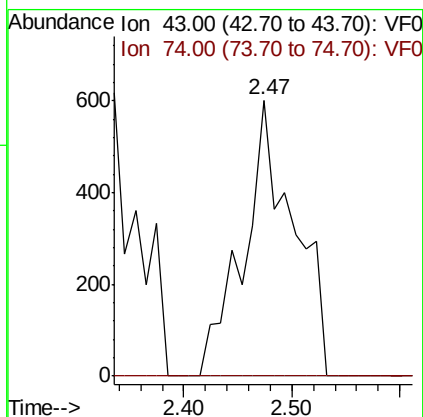
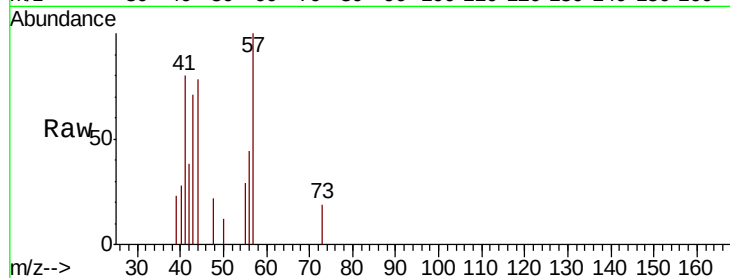




#18
Methyl Acetate
Concen: Below Cal
RT: 2.47 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF060153.D
Acq: 28 Aug 2018 16:45

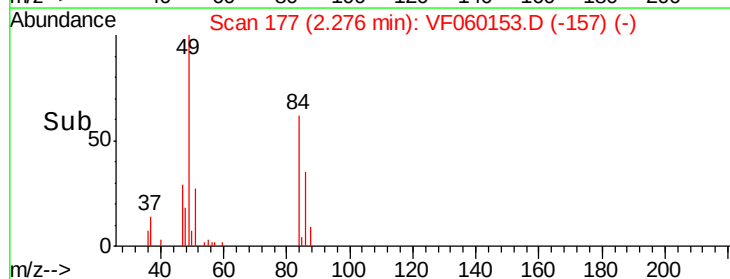
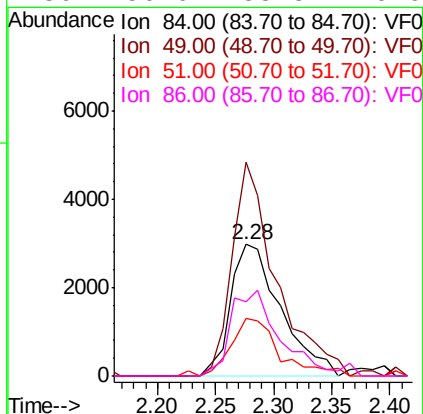
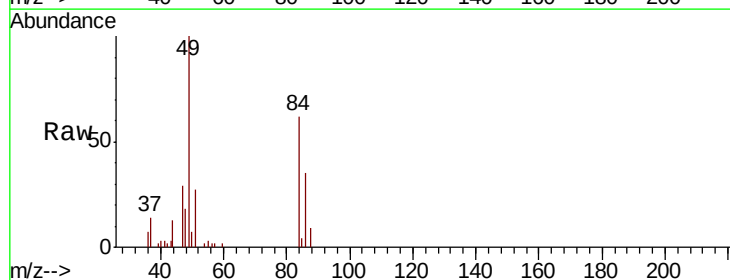
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7RE

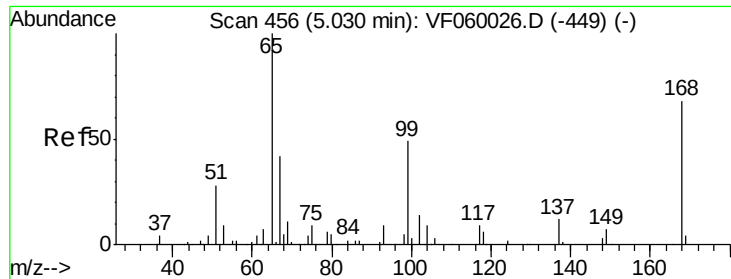
Tot Ion: 43 Resp: 1935
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#



#20
Methylene Chloride
Concen: 4.84 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060153.D
Acq: 28 Aug 2018 16:45

Tgt Ion: 84 Resp: 8873
Ion Ratio Lower Upper
84 100
49 162.2 125.4 188.0
51 43.3 38.3 57.5
86 56.6 53.3 79.9

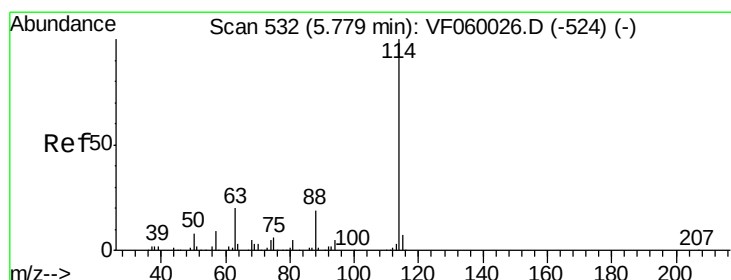
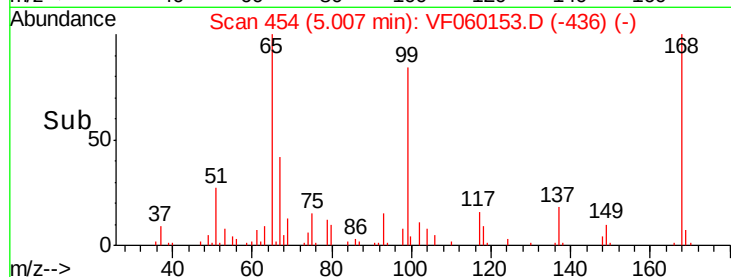
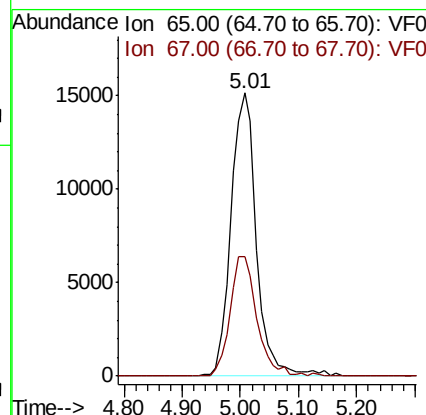
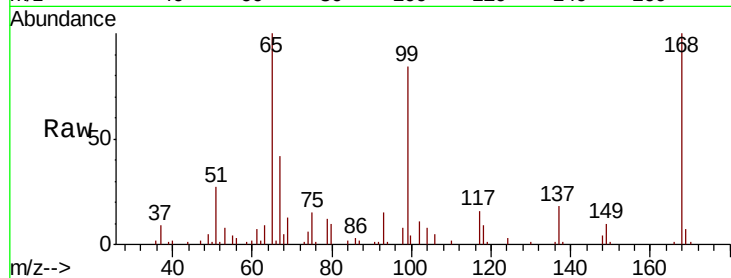




#33
 1,2-Dichloroethane-d4
 Concen: 25.29 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: VF060153.D
 Acq: 28 Aug 2018 16:45

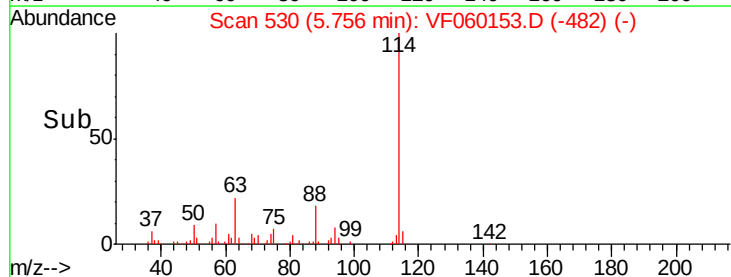
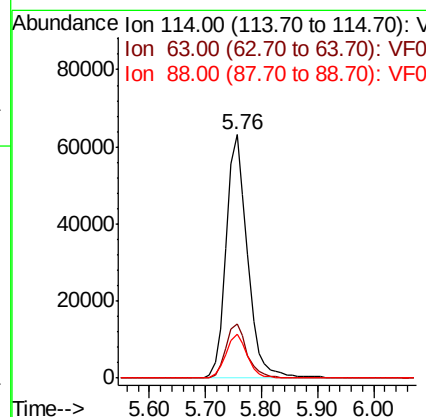
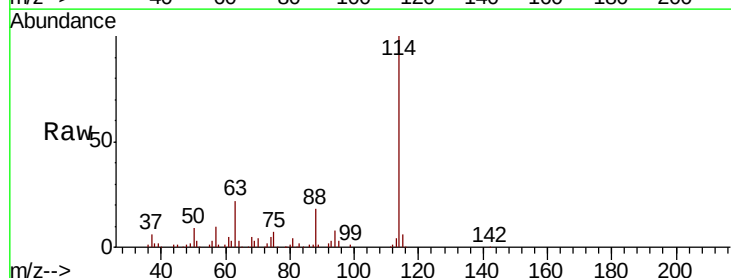
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A7RE

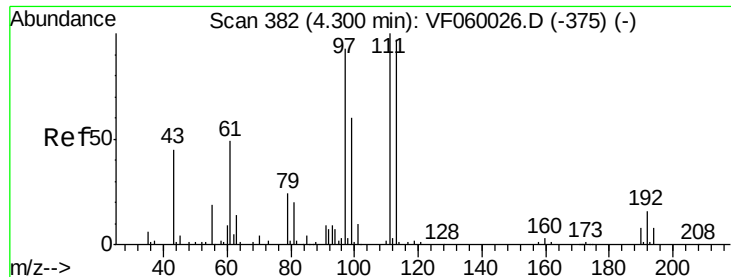
Tot Ion: 65 Resp: 45771
 Ion Ratio Lower Upper
 65 100
 67 42.3 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060153.D
 Acq: 28 Aug 2018 16:45

Tgt Ion: 114 Resp: 168130
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 40.4
 88 18.1 0.0 38.6

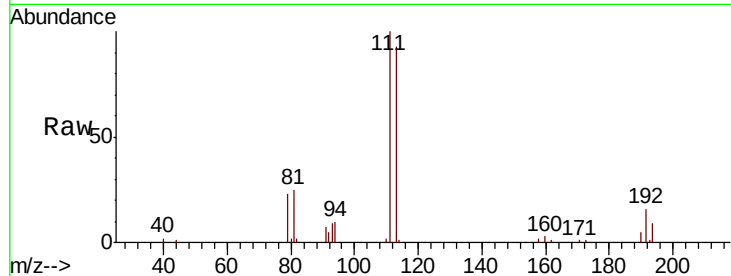




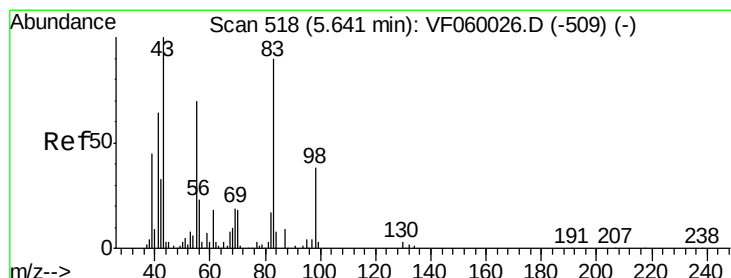
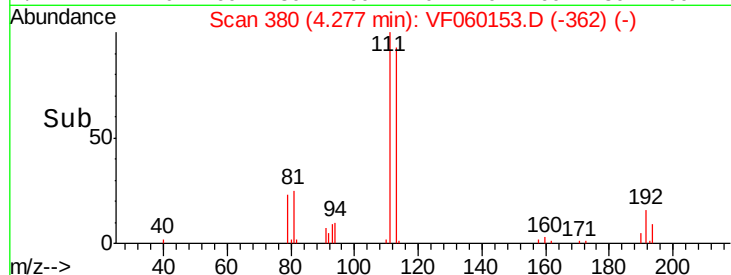
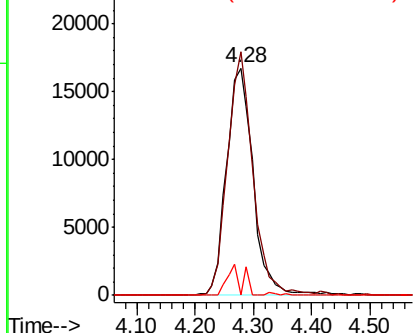
#35
Dibromofluoromethane
Concen: 40.48 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF060153.D
Acq: 28 Aug 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7RE

Tot Ion:113 Resp: 53438
Ion Ratio Lower Upper
113 100
111 107.3 82.7 124.1
192 0.0 13.0 19.4#

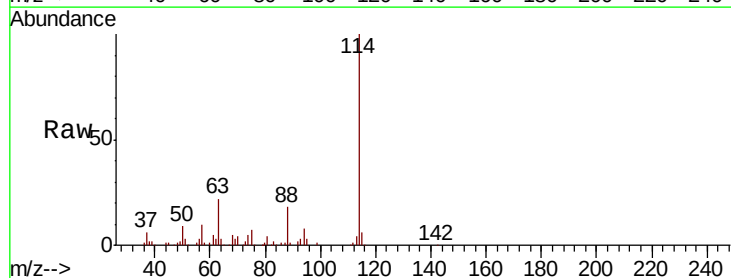


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

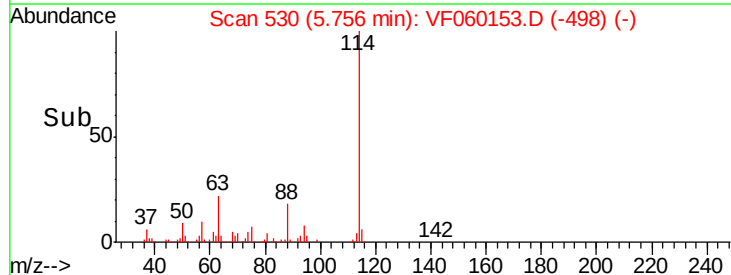
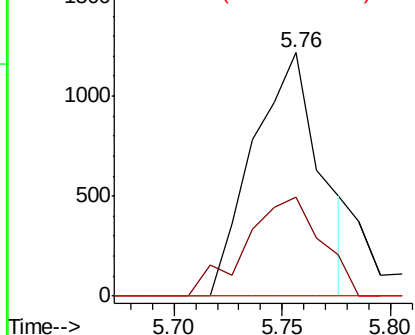


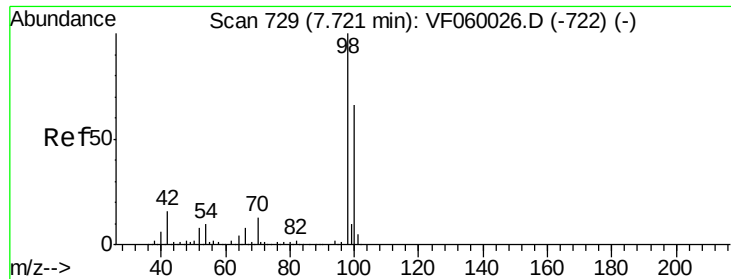
#39
Methylcyclohexane
Concen: 1.78 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.12 min
Lab File: VF060153.D
Acq: 28 Aug 2018 16:45

Tgt Ion: 83 Resp: 2641
Ion Ratio Lower Upper
83 100
55 40.8 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: 44.79 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF060153.D

Acq: 28 Aug 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

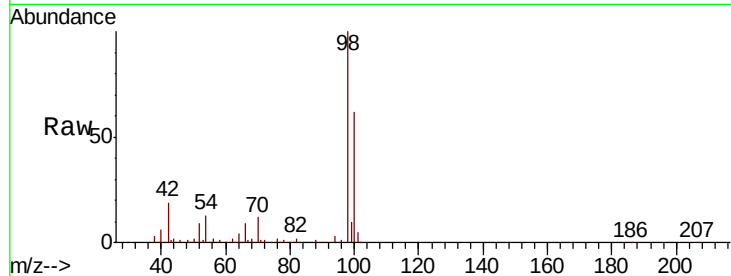
EP1-Q4-A7RE

Tot Ion: 98 Resp: 167939

Ion Ratio Lower Upper

98 100

100 61.9 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

80000

60000

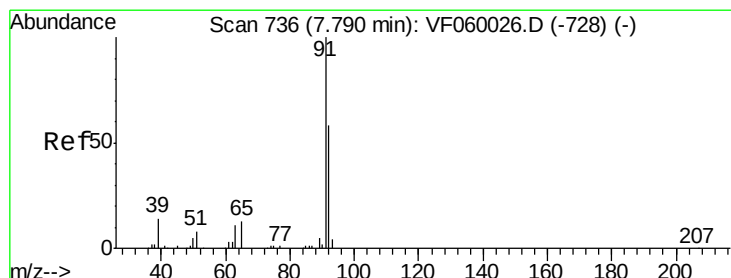
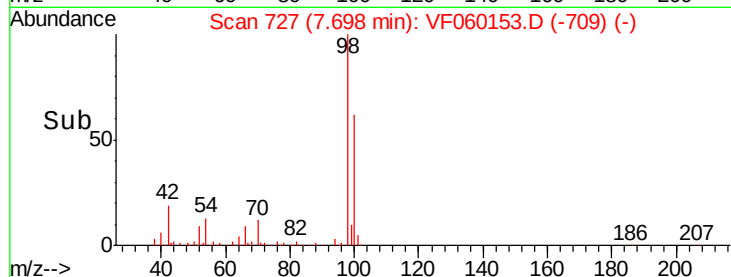
40000

20000

0

7.60 7.70 7.80 7.90

Time-->



#52

Toluene

Concen: Below Cal

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060153.D

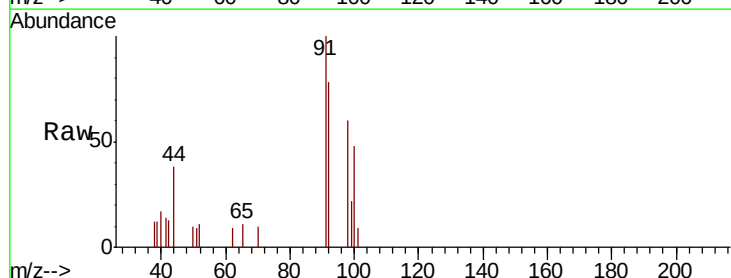
Acq: 28 Aug 2018 16:45

Tgt Ion: 92 Resp: 1943

Ion Ratio Lower Upper

92 100

91 128.2 137.7 206.5#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

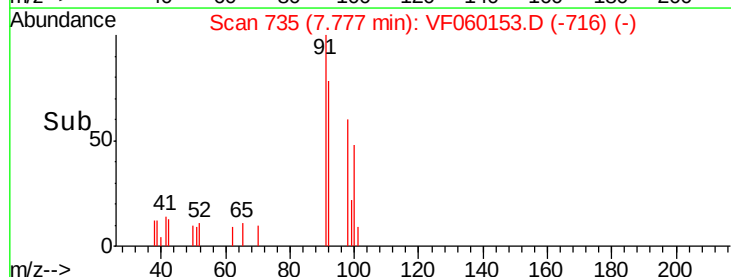
1000

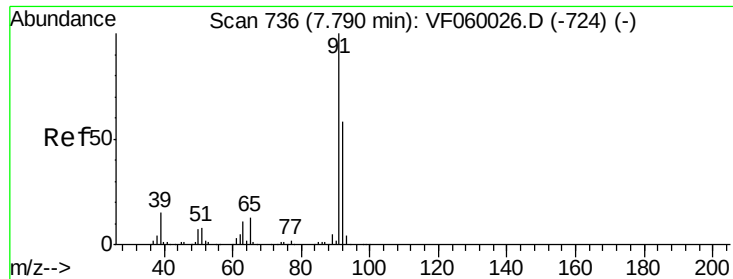
500

0

7.70 7.75 7.80 7.85

Time-->

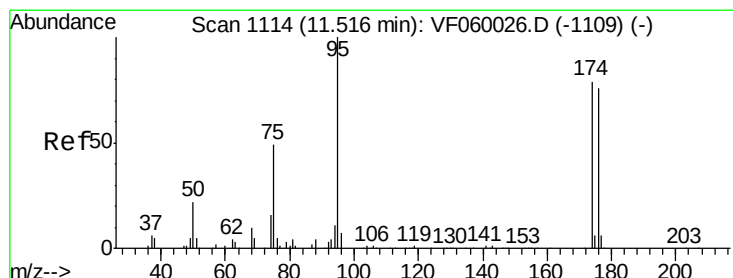
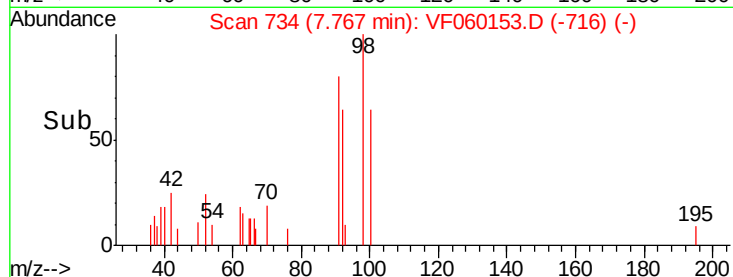
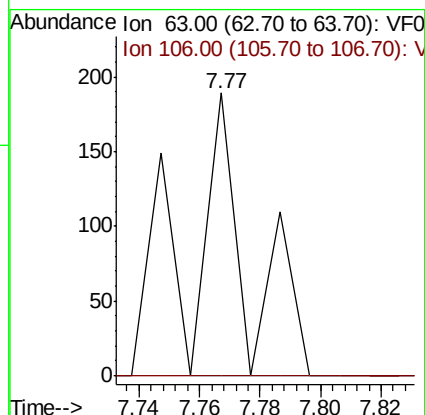
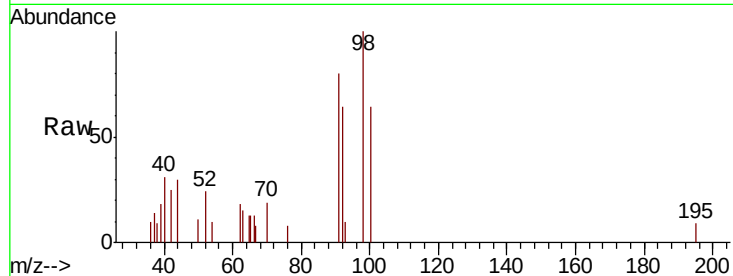




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.98 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.02 min
 Lab File: VF060153.D
 Acq: 28 Aug 2018 16:45

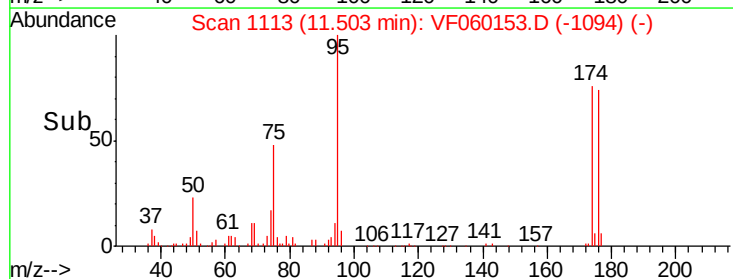
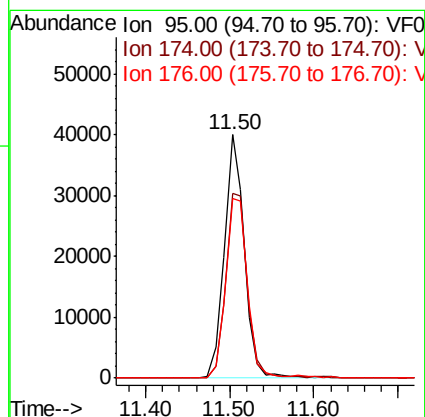
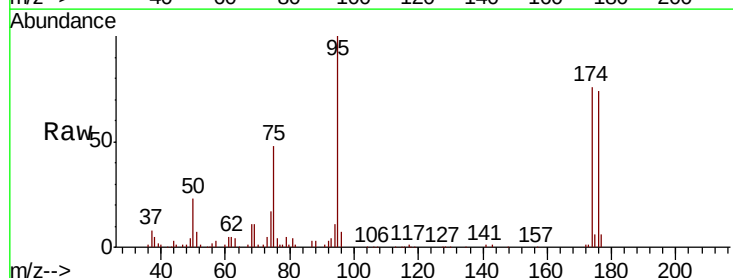
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A7RE

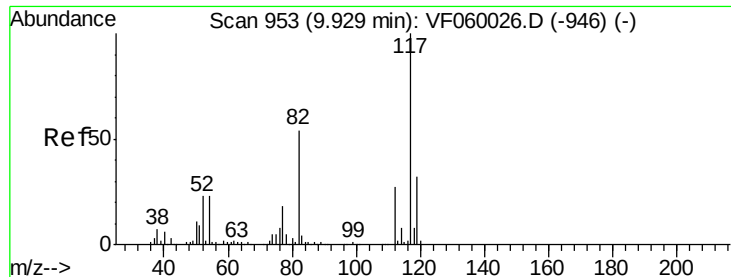
Tot Ion: 63 Resp: 177
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 33.42 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF060153.D
 Acq: 28 Aug 2018 16:45

Tgt Ion: 95 Resp: 66283
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 158.4
 176 73.9 0.0 153.0

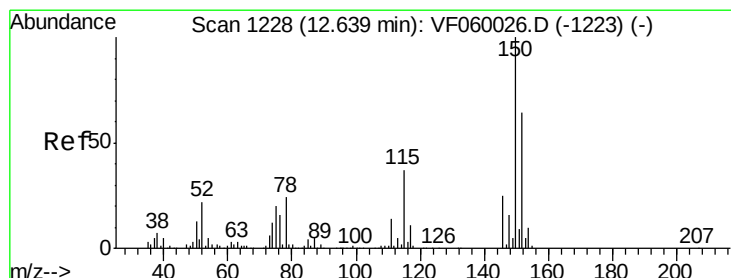
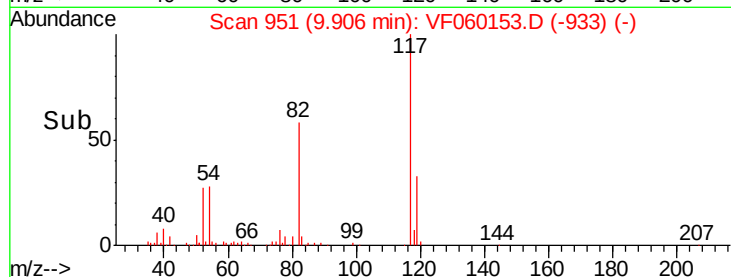
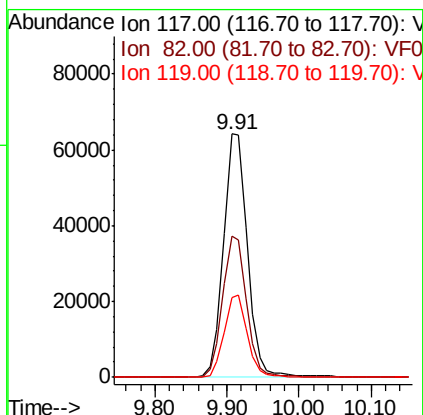
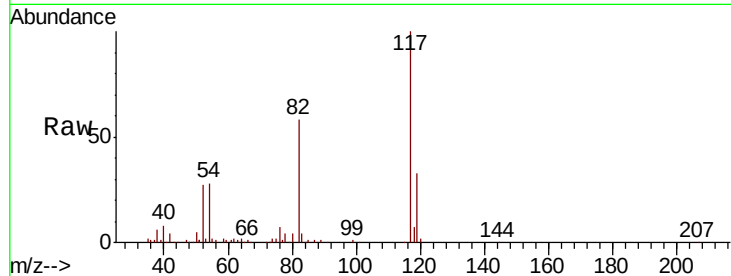




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060153.D
Acq: 28 Aug 2018 16:45

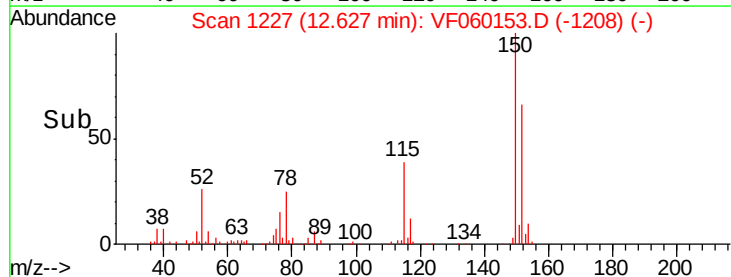
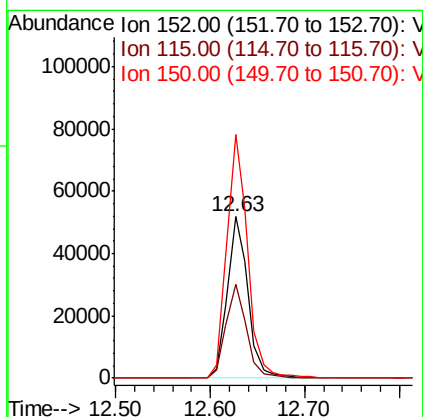
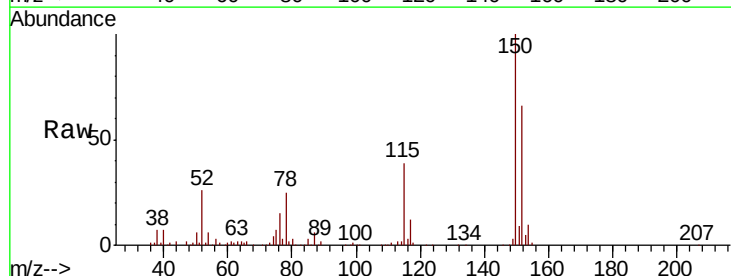
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q4-A7RE

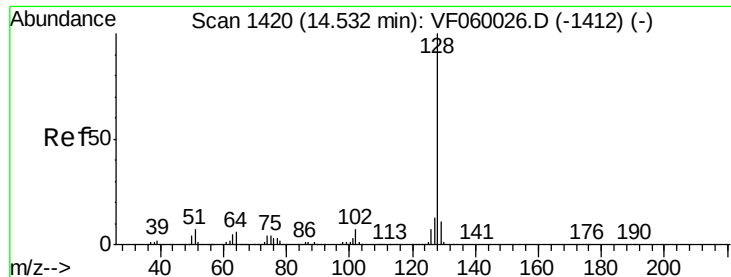
Tot Ion:117 Resp: 148445
Ion Ratio Lower Upper
117 100
82 57.8 43.6 65.4
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060153.D
Acq: 28 Aug 2018 16:45

Tgt Ion:152 Resp: 77917
Ion Ratio Lower Upper
152 100
115 58.5 28.6 85.9
150 150.9 0.0 312.0





#95
 Naphthalene
 Concen: 2.40 ug/l
 RT: 14.53 min Scan# 1420
 Delta R.T. -0.00 min
 Lab File: VF060153.D
 Acq: 28 Aug 2018 16:45

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A7RE

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

