

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060102.D
 Acq On : 24 Aug 2018 16:16
 Operator : VA/AP
 Sample : J4581-19RE
 Misc : 5.53g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-D3

Quant Time: Aug 25 03:46:07 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	160739	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	233378	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	261437	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	146748	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	106642	48.48	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	96.96%	
35) Dibromofluoromethane	4.28	113	106776	58.26	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	116.52%	
50) Toluene-d8	7.70	98	271595	52.18	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	11.51	95	134715	48.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.86%	

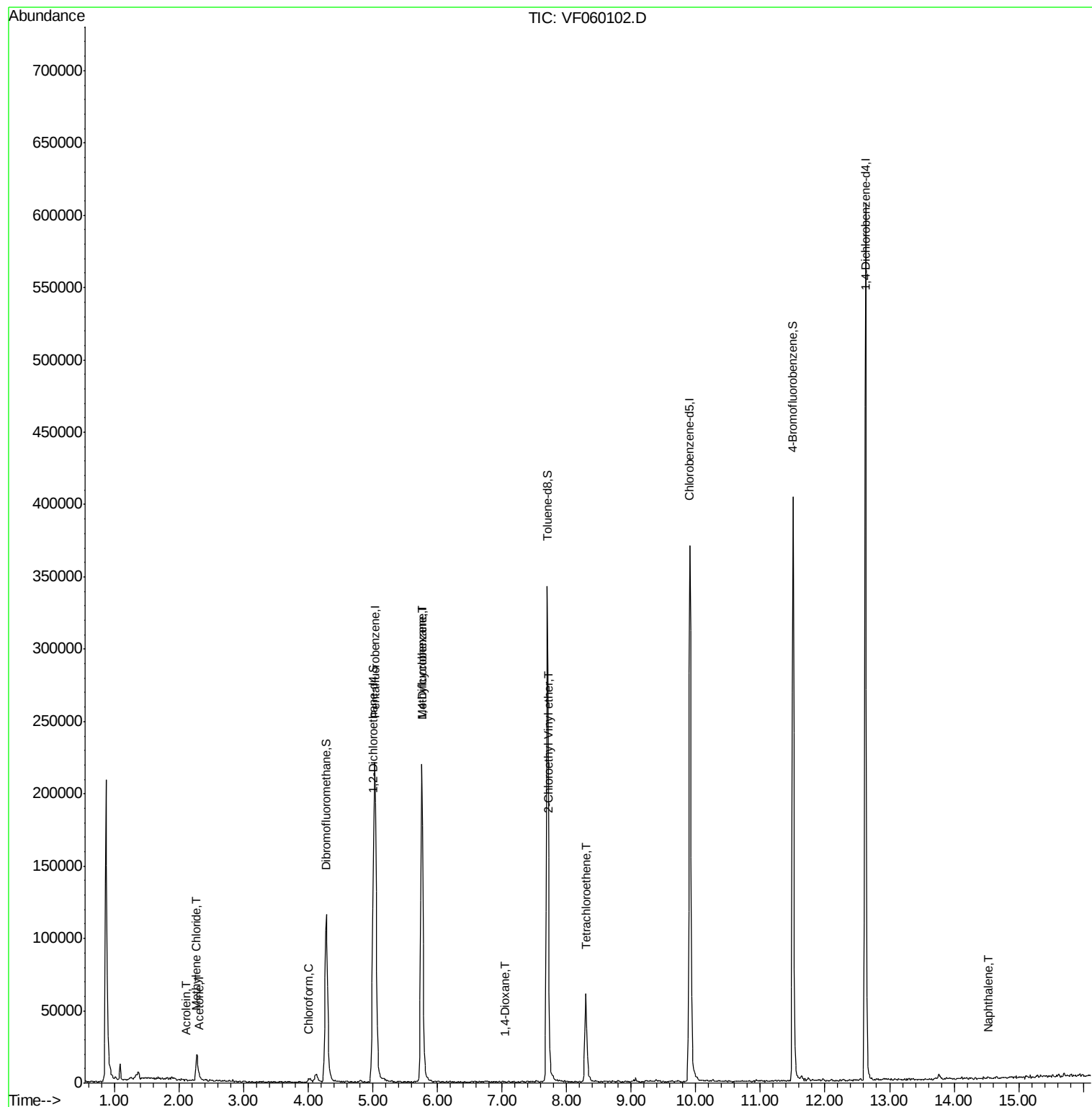
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	1019	Below Cal		91
13) Acrolein	2.11	56	66	27.15	ug/l #	8
16) Acetone	2.32	43	1324	2.29	ug/l #	63
18) Methyl Acetate	2.45	43	454	Below Cal	#	60
20) Methylene Chloride	2.28	84	9965	4.04	ug/l #	69
30) Chloroform	4.01	83	3706	1.05	ug/l	92
39) Methylcyclohexane	5.75	83	3592	1.75	ug/l #	51
49) 1,4-Dioxane	7.04	88	91	8.68	ug/l #	18
52) Toluene	7.78	92	69	Below Cal		86
58) 2-Chloroethyl Vinyl ether	7.73	63	164	1.32	ug/l	100
64) Tetrachloroethene	8.30	164	17748	10.08	ug/l	92
68) m/p-Xylenes	10.26	106	69	Below Cal	#	63
95) Naphthalene	14.52	128	396	2.36	ug/l #	69

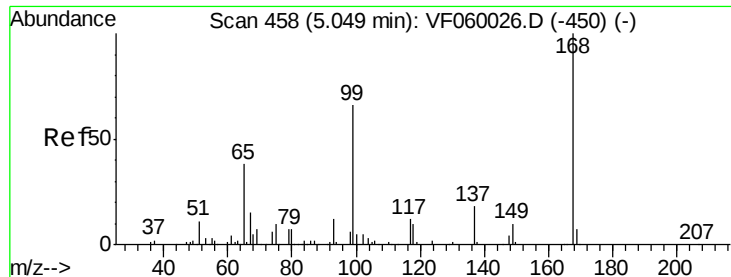
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 25 03:46:07 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: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF060102.D

Acq: 24 Aug 2018 16:16

Instrument :

MSVOA_F

ClientSampleId :

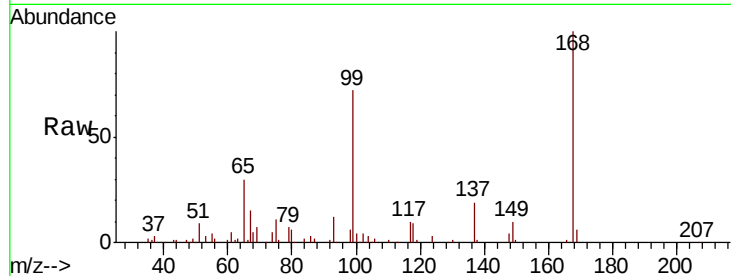
EP1-Q3-D3

Tot Ion:168 Resp: 160739

Ion Ratio Lower Upper

168 100

99 71.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

50000

40000

30000

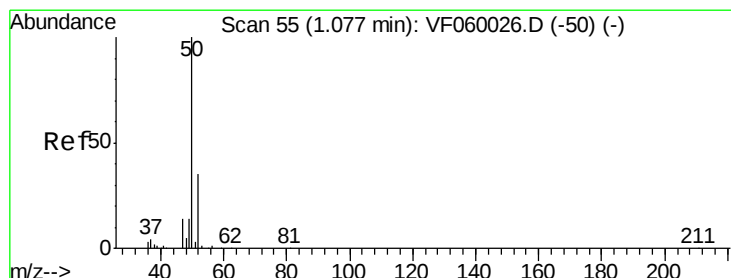
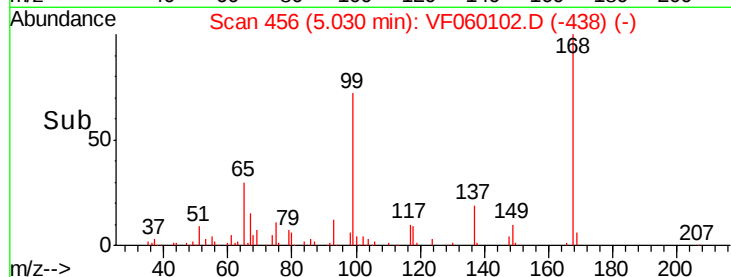
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060102.D

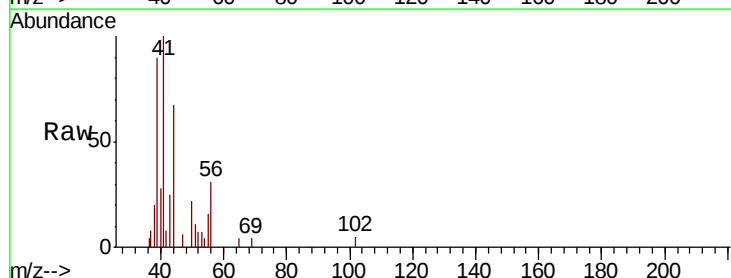
Acq: 24 Aug 2018 16:16

Tgt Ion: 50 Resp: 1019

Ion Ratio Lower Upper

50 100

52 29.3 27.6 41.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

600

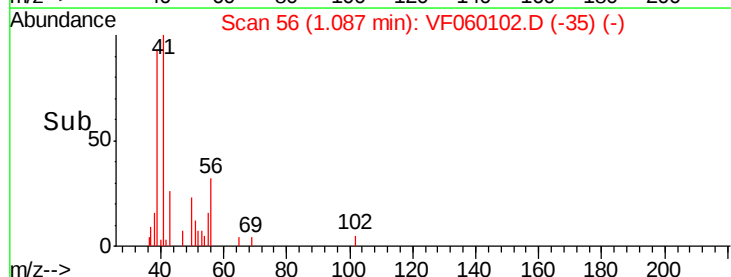
400

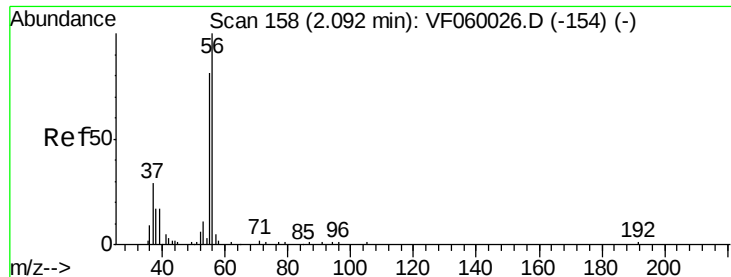
200

0

Time-->

1.05 1.10 1.15





#13

Acrolein

Concen: 27.15 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.02 min

Lab File: VF060102.D

Acq: 24 Aug 2018 16:16

Instrument :

MSVOA_F

ClientSampleId :

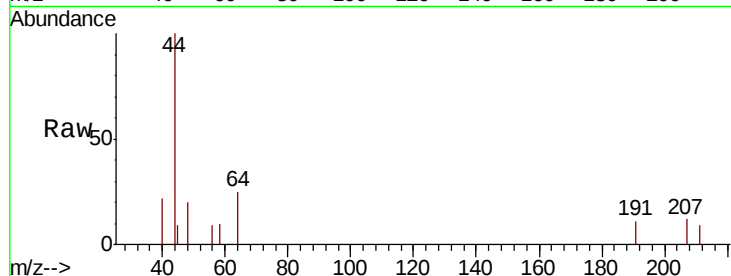
EP1-Q3-D3

Tot Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 0.0 65.6 98.4#

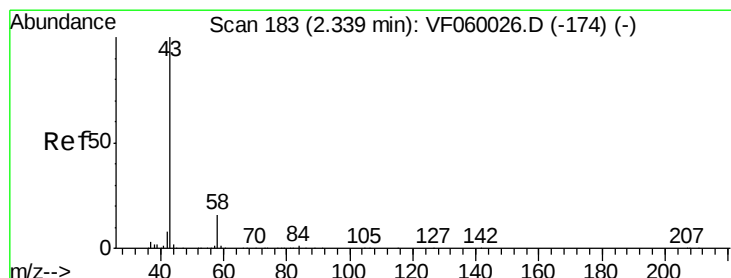
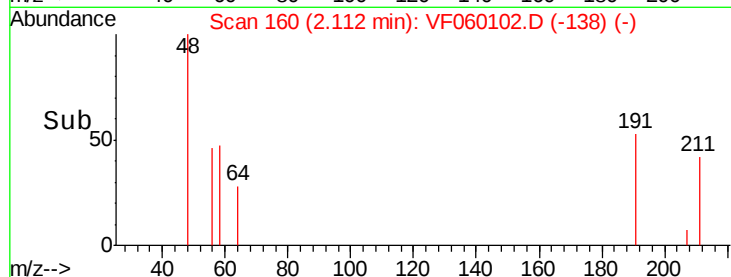


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.11

Time-->



#16

Acetone

Concen: 2.29 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF060102.D

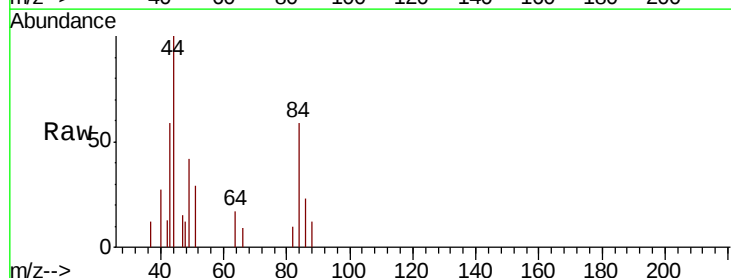
Acq: 24 Aug 2018 16:16

Tgt Ion: 43 Resp: 1324

Ion Ratio Lower Upper

43 100

58 0.0 12.6 19.0#

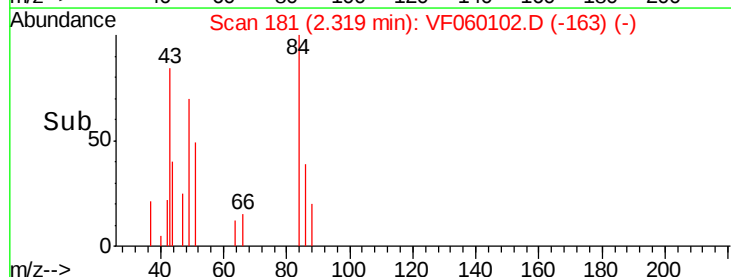


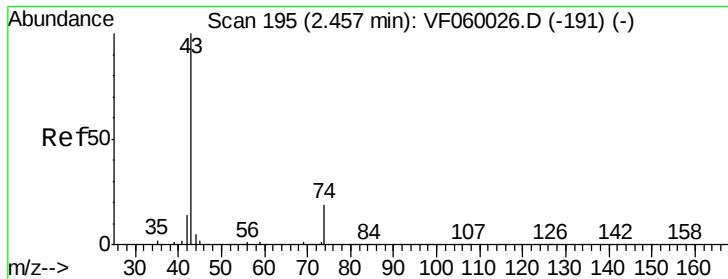
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.32

Time-->

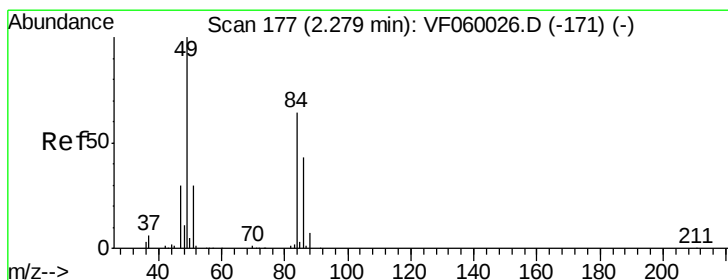
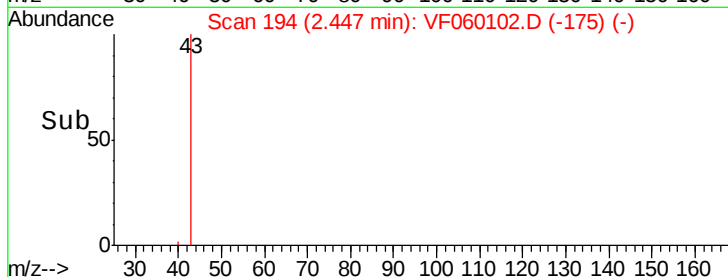
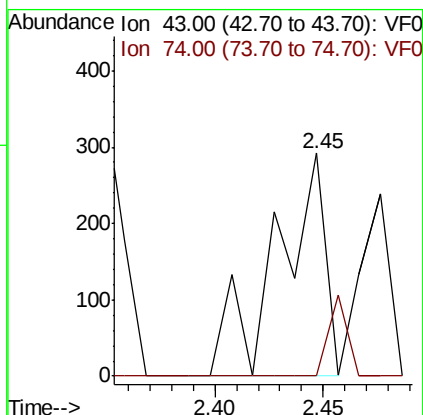
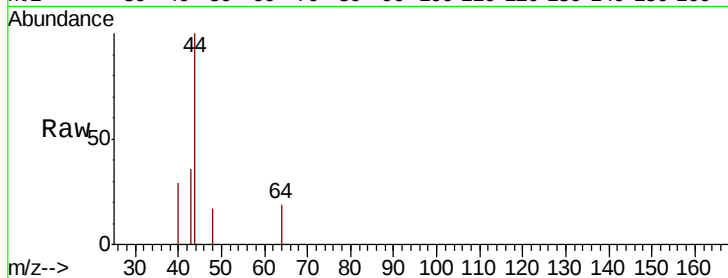




#18
Methyl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060102.D
Acq: 24 Aug 2018 16:16

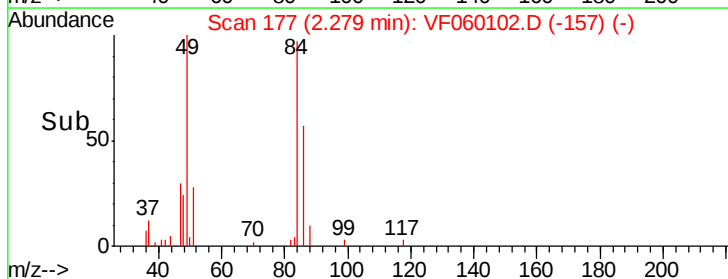
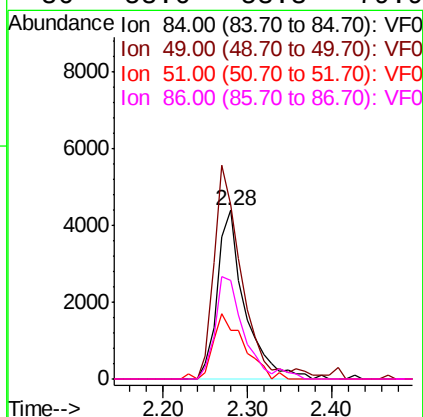
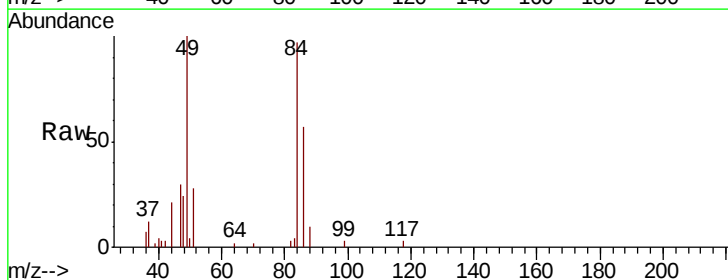
Instrument :
MSVOA_F
ClientSampled :
EP1-Q3-D3

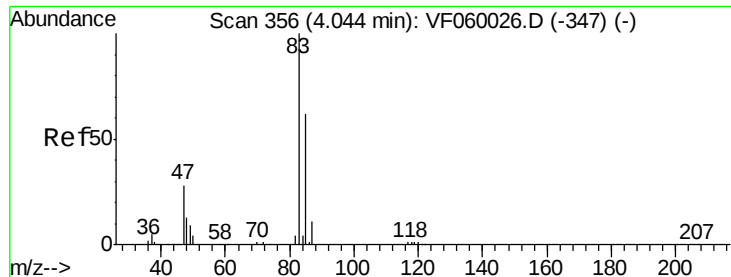
Tot Ion: 43 Resp: 454
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#



#20
Methylene Chloride
Concen: 4.04 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF060102.D
Acq: 24 Aug 2018 16:16

Tgt Ion: 84 Resp: 9965
Ion Ratio Lower Upper
84 100
49 102.9 125.4 188.0#
51 28.9 38.3 57.5#
86 58.6 53.3 79.9

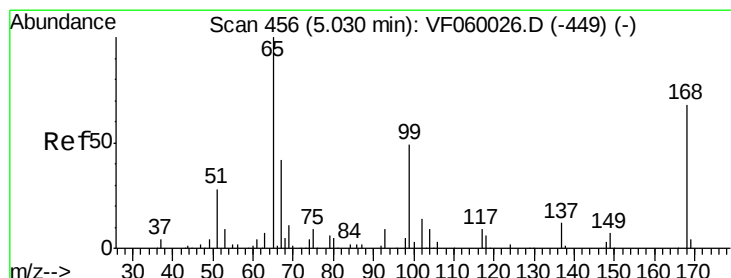
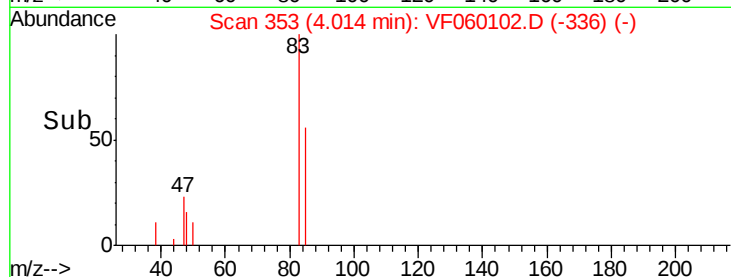
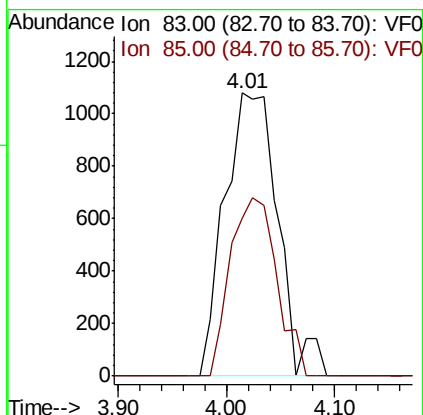
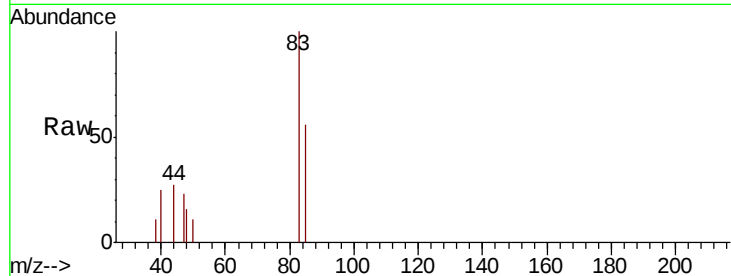




#30
 Chloroform
 Concen: 1.05 ug/l
 RT: 4.01 min Scan# 353
 Delta R.T. -0.03 min
 Lab File: VF060102.D
 Acq: 24 Aug 2018 16:16

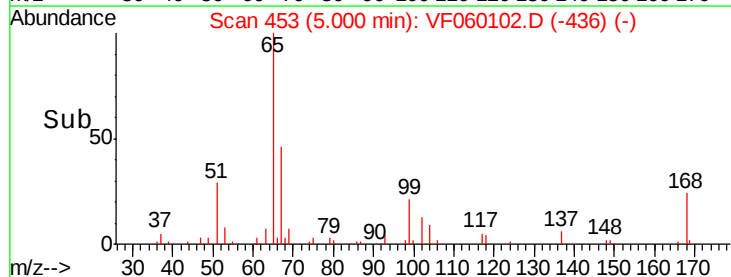
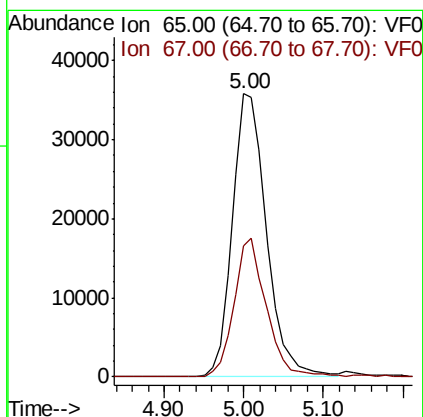
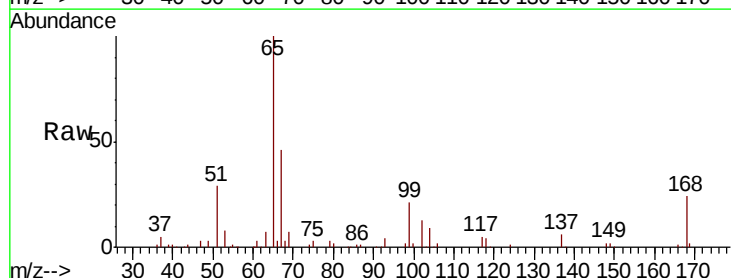
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-D3

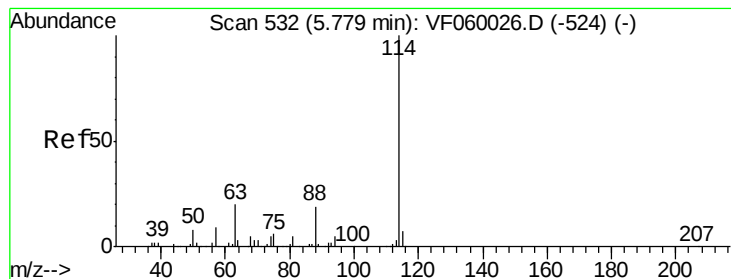
Tot Ion: 83 Resp: 3706
 Ion Ratio Lower Upper
 83 100
 85 56.0 49.5 74.3



#33
 1,2-Dichloroethane-d4
 Concen: 48.48 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.03 min
 Lab File: VF060102.D
 Acq: 24 Aug 2018 16:16

Tgt Ion: 65 Resp: 106642
 Ion Ratio Lower Upper
 65 100
 67 46.2 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: VF060102.D

Acq: 24 Aug 2018 16:16

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-D3

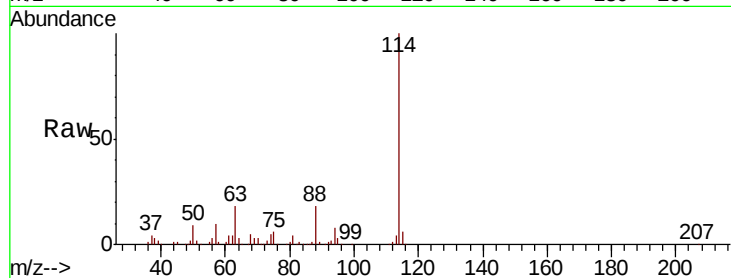
Tot Ion:114 Resp: 233378

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.4

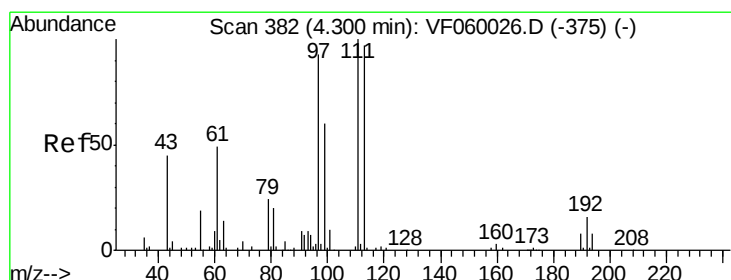
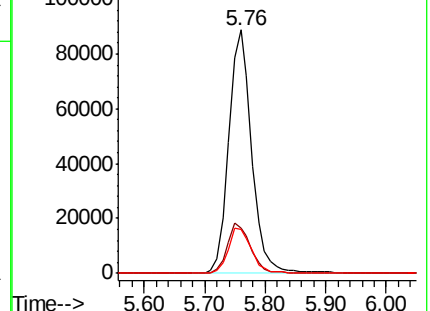
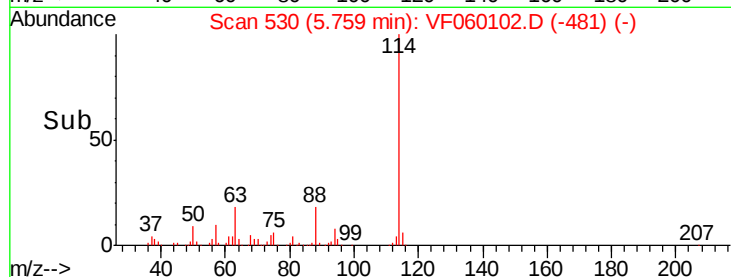
88 17.9 0.0 38.6



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: 58.26 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF060102.D

Acq: 24 Aug 2018 16:16

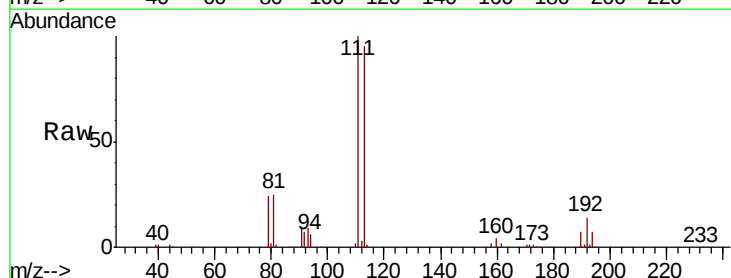
Tgt Ion:113 Resp: 106776

Ion Ratio Lower Upper

113 100

111 104.9 82.7 124.1

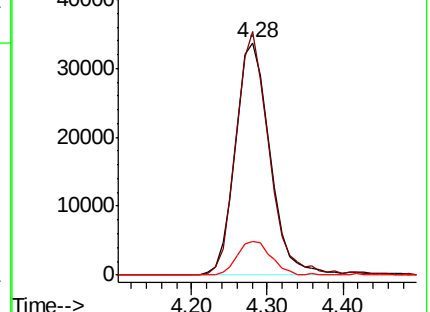
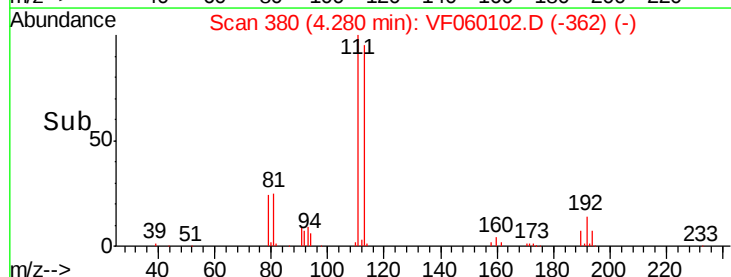
192 14.6 13.0 19.4

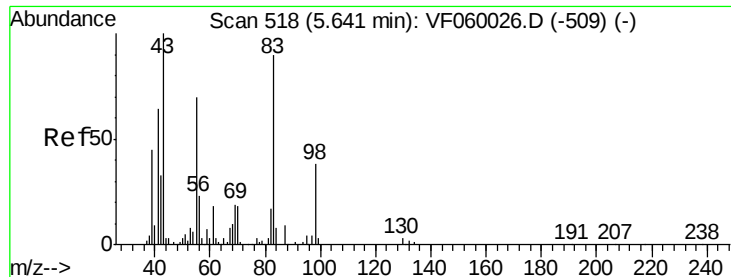


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

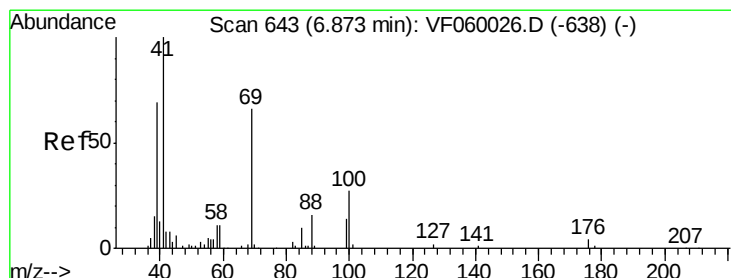
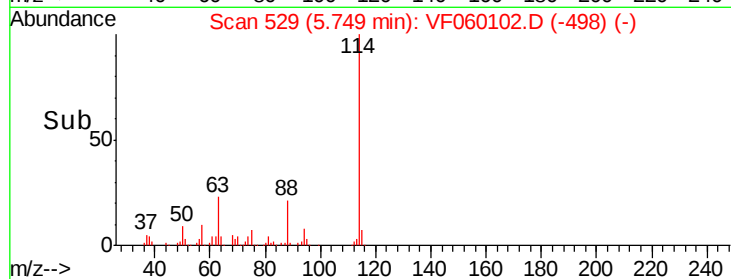
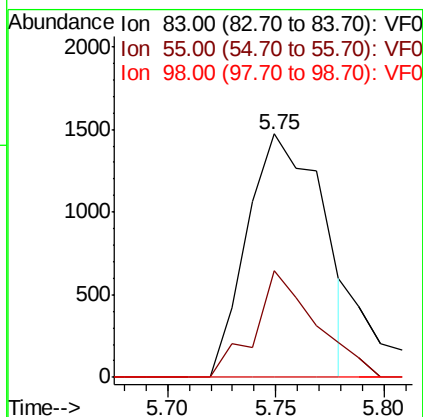
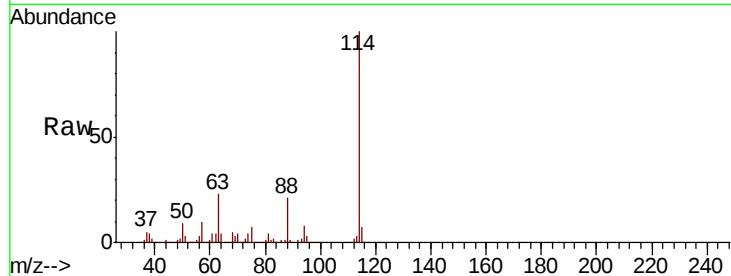




#39
Methylcyclohexane
Concen: 1.75 ug/l
RT: 5.75 min Scan# 529
Delta R.T. 0.11 min
Lab File: VF060102.D
Acq: 24 Aug 2018 16:16

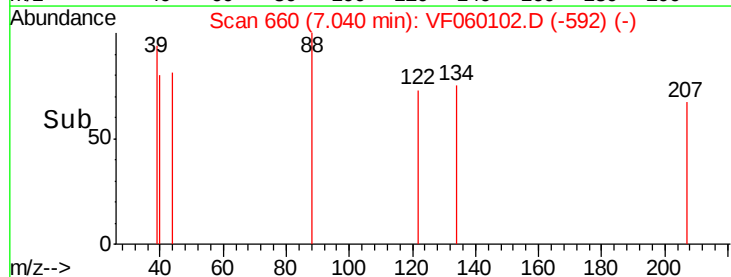
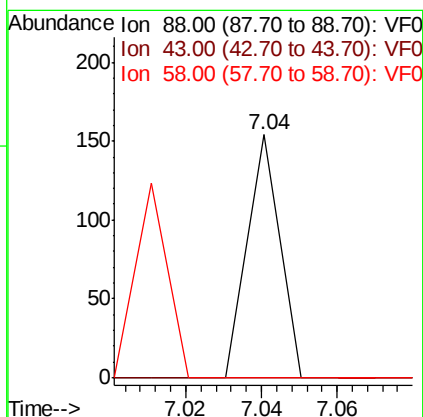
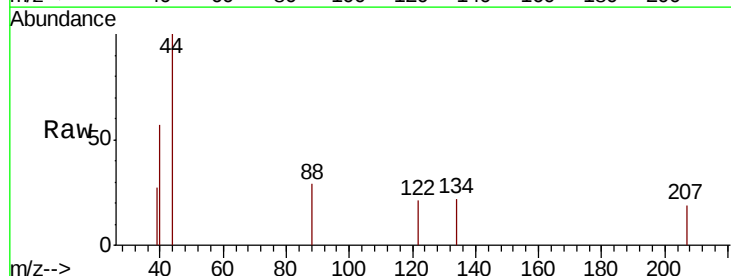
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-D3

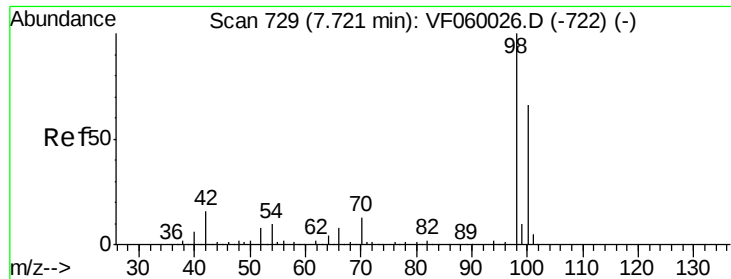
Tot Ion: 83 Resp: 3592
Ion Ratio Lower Upper
83 100
55 44.0 62.7 94.1#
98 0.0 33.8 50.8#



#49
1,4-Dioxane
Concen: 8.68 ug/l
RT: 7.04 min Scan# 660
Delta R.T. 0.17 min
Lab File: VF060102.D
Acq: 24 Aug 2018 16:16

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 0.0 46.5 69.7#
58 0.0 54.8 82.2#

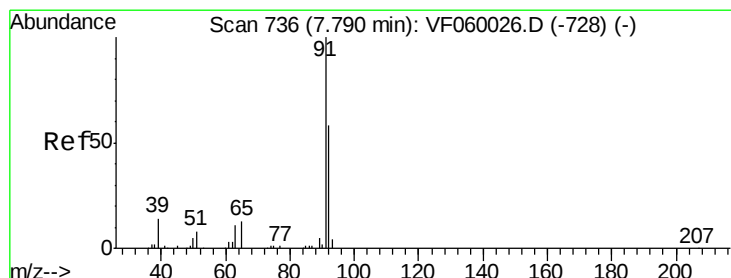
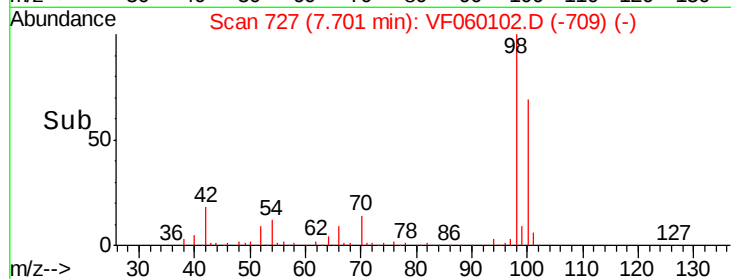
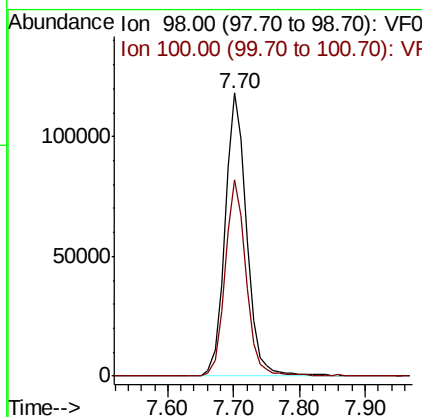
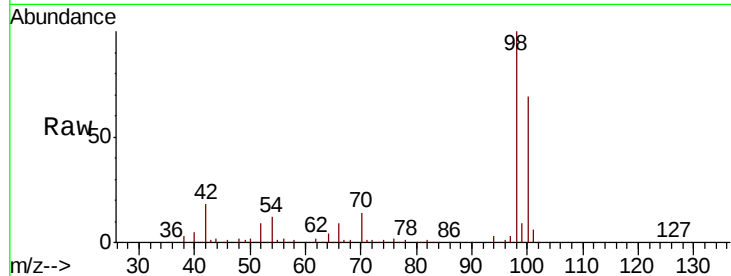




#50
Toluene-d8
Concen: 52.18 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF060102.D
Acq: 24 Aug 2018 16:16

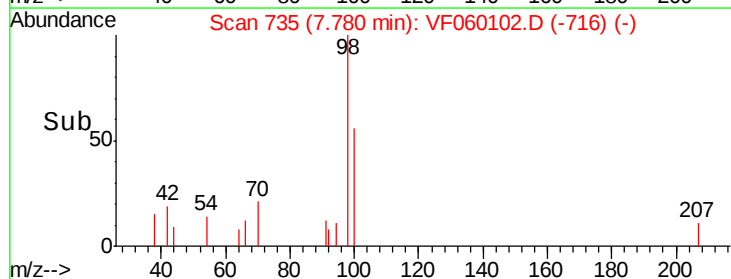
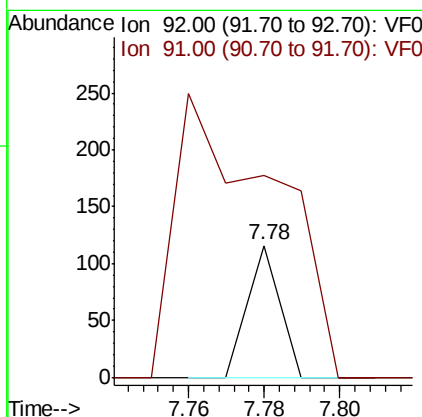
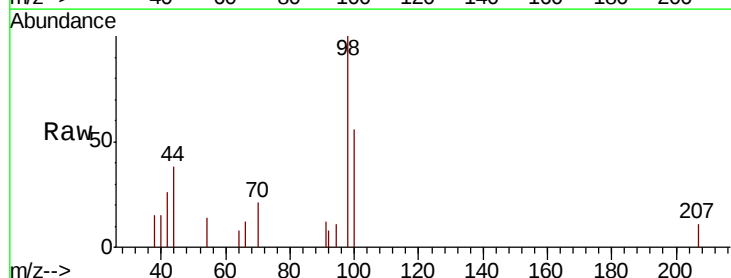
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-D3

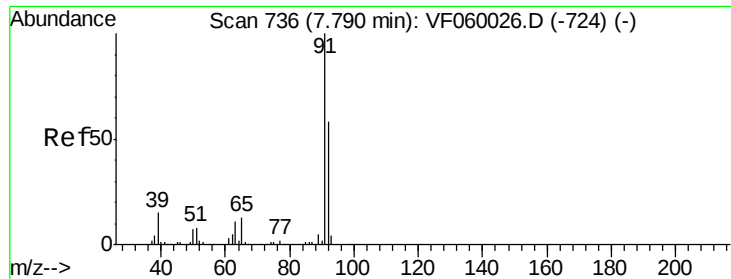
Tot Ion: 98 Resp: 271595
Ion Ratio Lower Upper
98 100
100 69.3 53.2 79.8



#52
Toluene
Concen: Below Cal
RT: 7.78 min Scan# 735
Delta R.T. -0.01 min
Lab File: VF060102.D
Acq: 24 Aug 2018 16:16

Tgt Ion: 92 Resp: 69
Ion Ratio Lower Upper
92 100
91 152.6 137.7 206.5

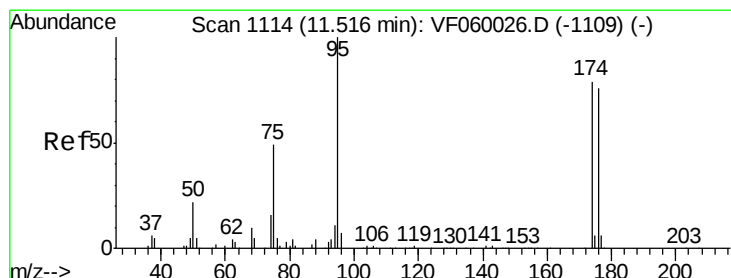
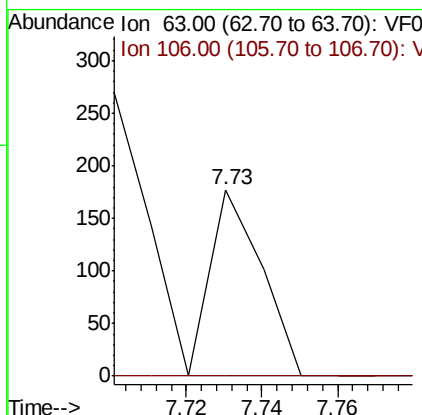
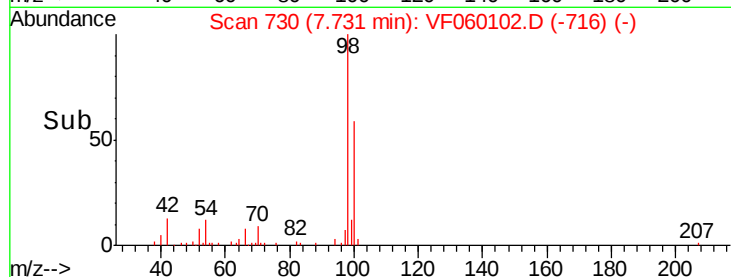
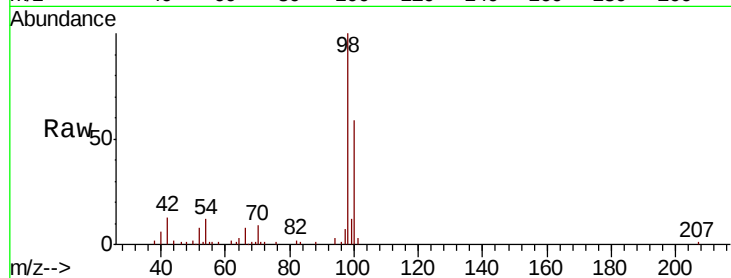




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.32 ug/l
 RT: 7.73 min Scan# 730
 Delta R.T. -0.06 min
 Lab File: VF060102.D
 Acq: 24 Aug 2018 16:16

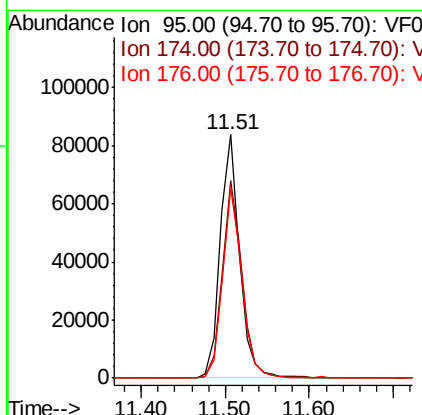
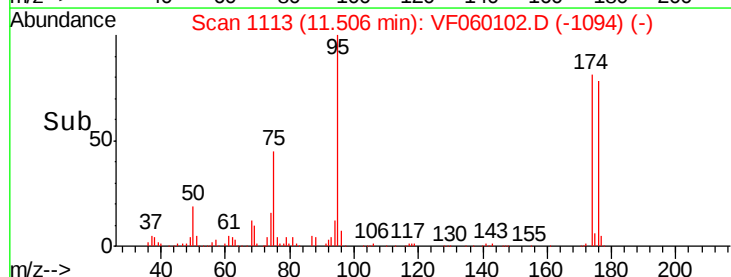
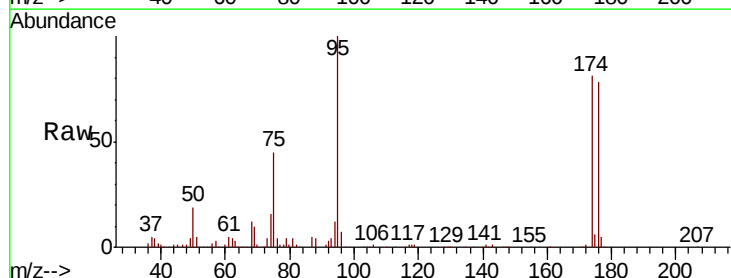
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-D3

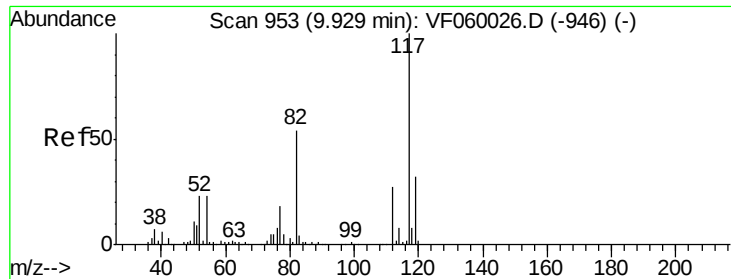
Tot Ion: 63 Resp: 164
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 48.93 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF060102.D
 Acq: 24 Aug 2018 16:16

Tgt Ion: 95 Resp: 134715
 Ion Ratio Lower Upper
 95 100
 174 81.2 0.0 158.4
 176 78.2 0.0 153.0

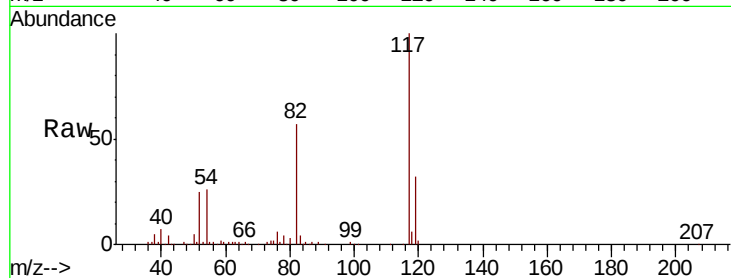




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060102.D
Acq: 24 Aug 2018 16:16

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-D3

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	43.6	65.4
119	31.7	25.6	38.4

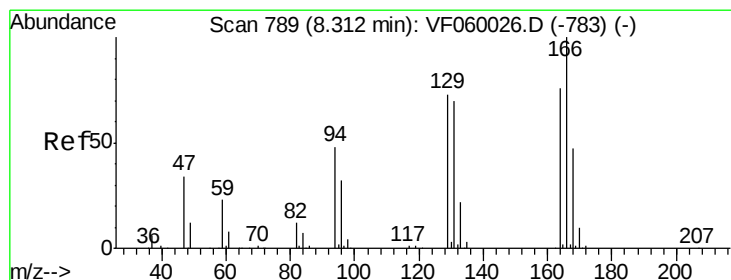
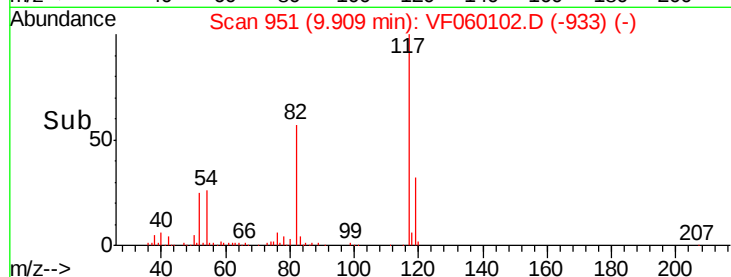
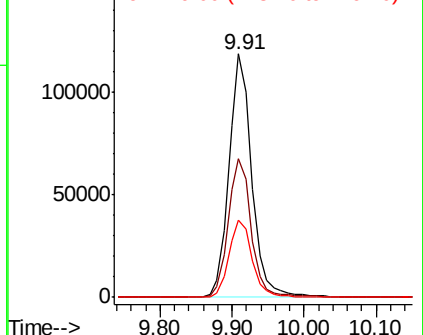


Abundance

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: 10.08 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060102.D
Acq: 24 Aug 2018 16:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.6	104.7	157.1
129	89.7	77.0	115.4
131	86.3	72.9	109.3

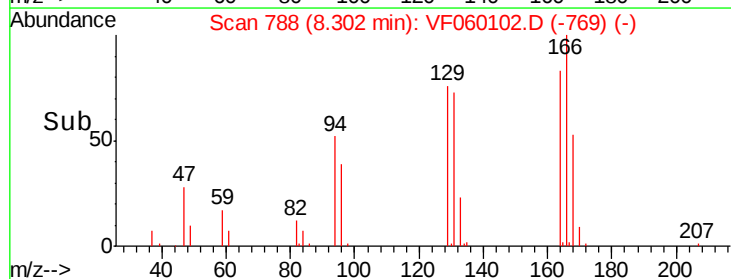
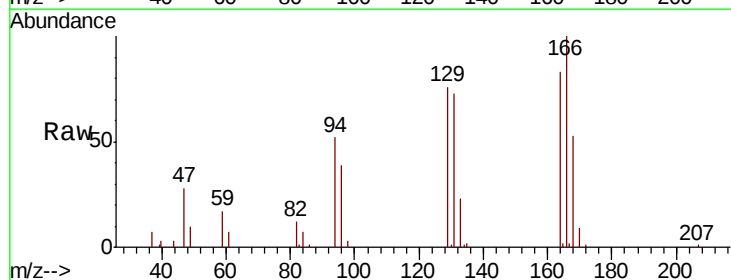
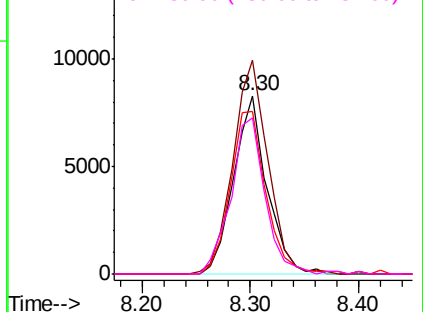
Abundance

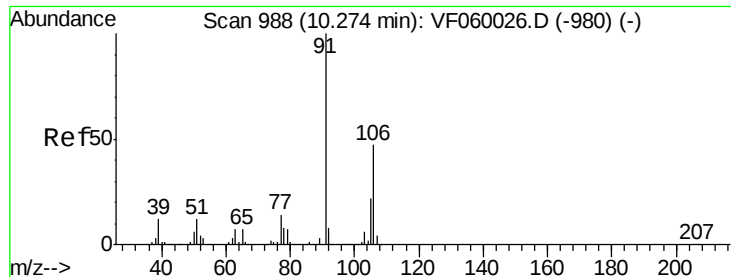
Ion 163.85 (163.55 to 164.55): V

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

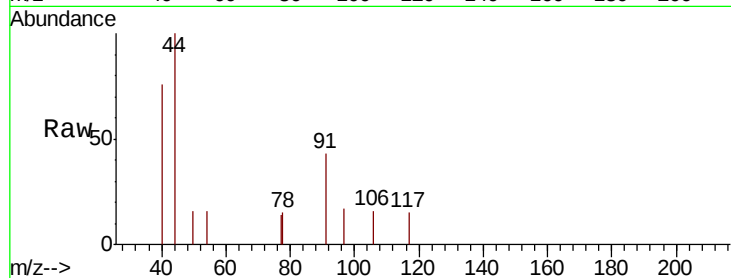




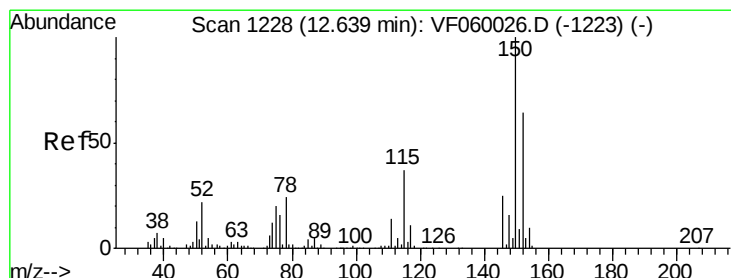
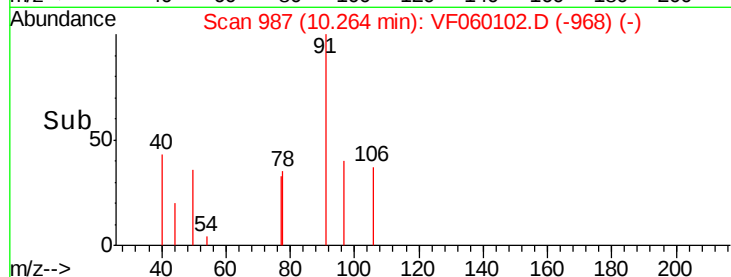
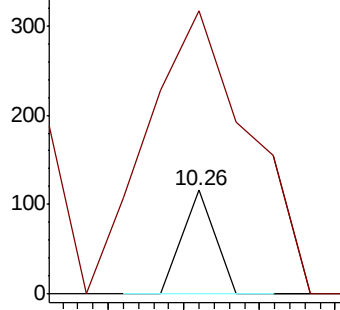
#68
m/p-Xvlenes
Concen: Below Cal
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060102.D
Acq: 24 Aug 2018 16:16

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-D3

Tot Ion:106 Resp: 69
Ion Ratio Lower Upper
106 100
91 273.3 171.8 257.8#

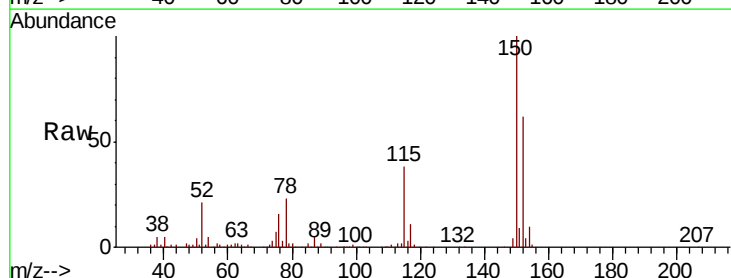


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

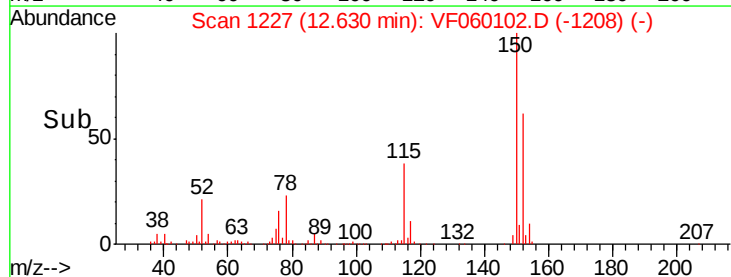
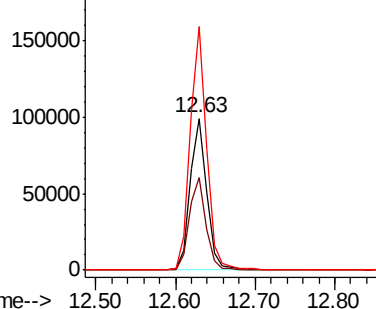


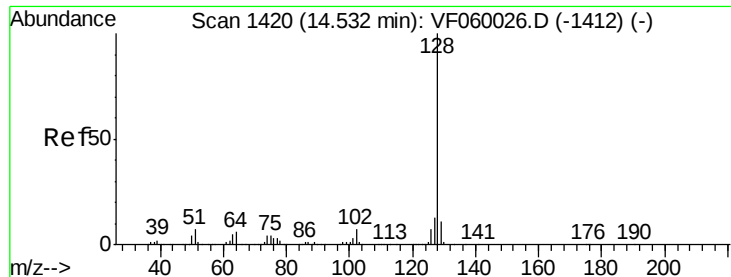
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060102.D
Acq: 24 Aug 2018 16:16

Tgt Ion:152 Resp: 146748
Ion Ratio Lower Upper
152 100
115 61.2 28.6 85.9
150 160.5 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: 2.36 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060102.D

Acq: 24 Aug 2018 16:16

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-D3

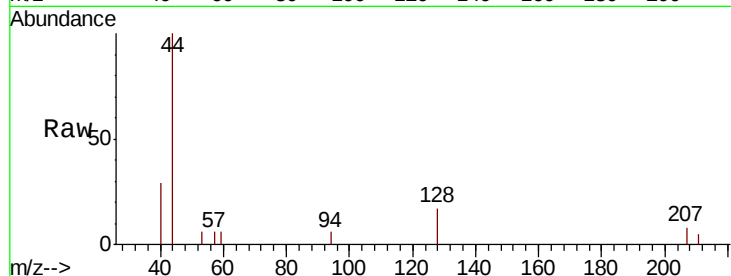
Tot Ion:128 Resp: 396

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

