

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060017.D
 Acq On : 20 Aug 2018 22:11
 Operator : VA/AP
 Sample : J4553-02
 Misc : 6.12g/5mL/MSVOA F/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-P-9(30-36)

Quant Time: Aug 21 04:29:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	79172	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	124100	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	84915	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	11995	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	105877	69.28	ug/l	0.00
Spiked Amount			Recovery	=	138.56%	
35) Dibromofluoromethane	4.29	113	82200	64.81	ug/l	-0.01
Spiked Amount			Recovery	=	129.62%	
50) Toluene-d8	7.72	98	116086	41.16	ug/l	0.00
Spiked Amount			Recovery	=	82.32%	
62) 4-Bromofluorobenzene	11.51	95	24288	14.03	ug/l	-0.01
Spiked Amount			Recovery	=	28.06%	

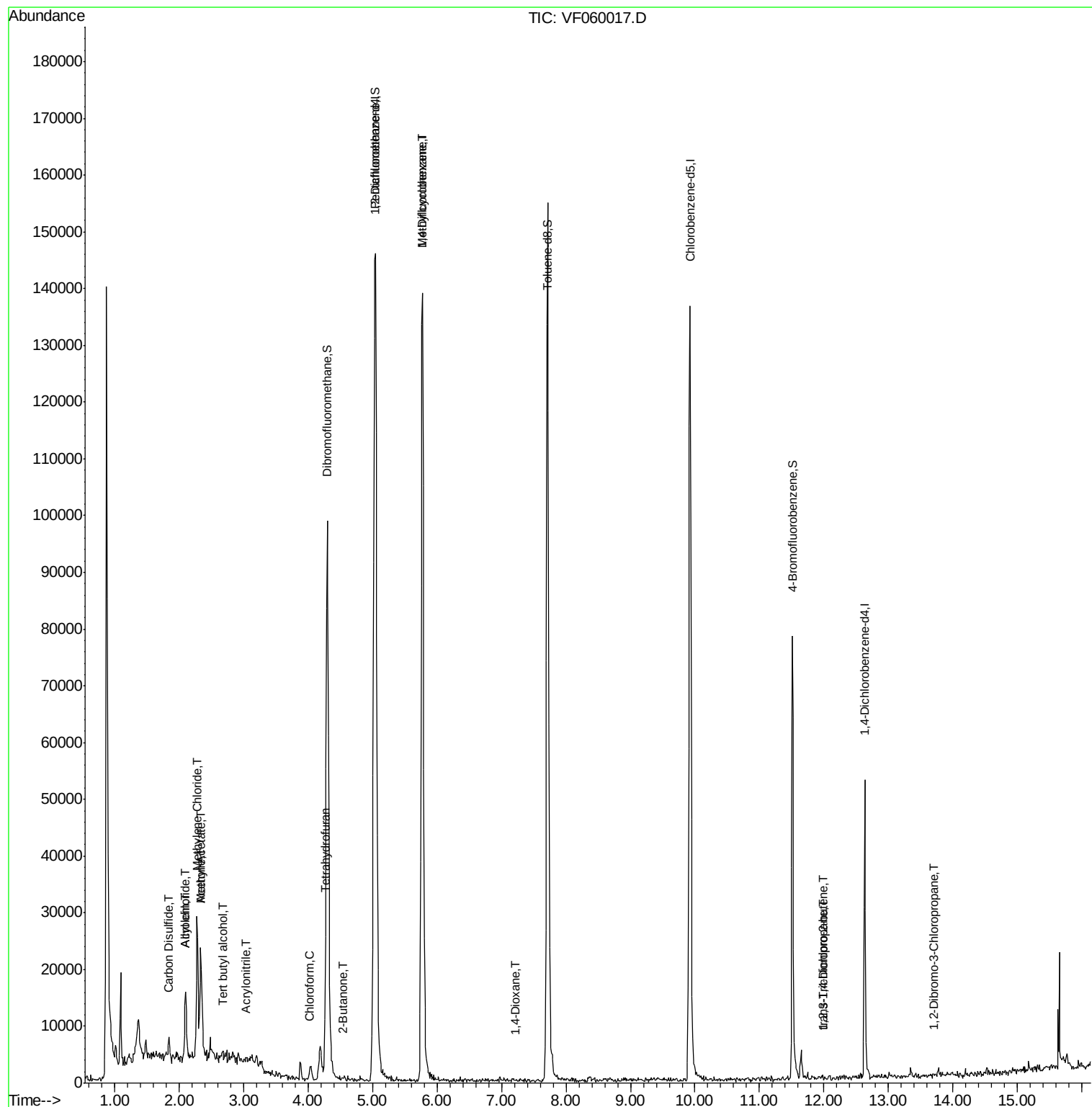
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	1010	Below Cal	#	86
11) Tert butyl alcohol	2.68	59	243	2.73	ug/l #	76
13) Acrolein	2.10	56	222	17.25	ug/l #	1
14) Allyl chloride	2.10	41	5763	4.56	ug/l #	78
15) Acrylonitrile	3.03	53	306	2.12	ug/l #	1
16) Acetone	2.33	43	31505	66.21	ug/l	99
17) Carbon Disulfide	1.84	76	2998	1.27	ug/l #	75
18) Methyl Acetate	2.33	43	31505	39.62	ug/l #	63
20) Methylene Chloride	2.27	84	9042	7.19	ug/l #	79
25) 2-Butanone	4.52	43	858	2.32	ug/l #	63
29) Tetrahydrofuran	4.26	42	157	1.19	ug/l #	38
30) Chloroform	4.03	83	2644	1.29	ug/l	90
39) Methylcyclohexane	5.77	83	2768	2.61	ug/l #	40
49) 1,4-Dioxane	7.21	88	79	70.64	ug/l #	25
76) 1,2,3-Trichloropropane	11.98	75	141	1.13	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.98	75	141	2.67	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	13.70	75	79	2.02	ug/l #	4

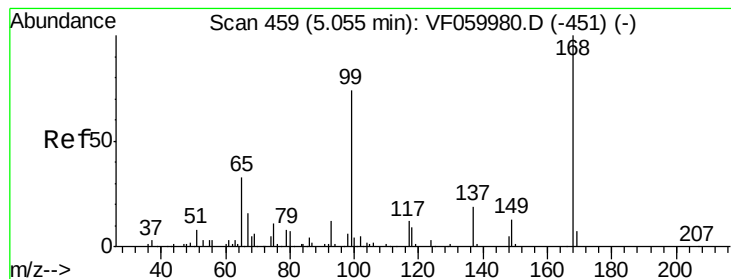
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082018\
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Quant Time: Aug 21 04:29:43 2018
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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060017.D

Acq: 20 Aug 2018 22:11

Instrument :

MSVOA_F

ClientSampleId :

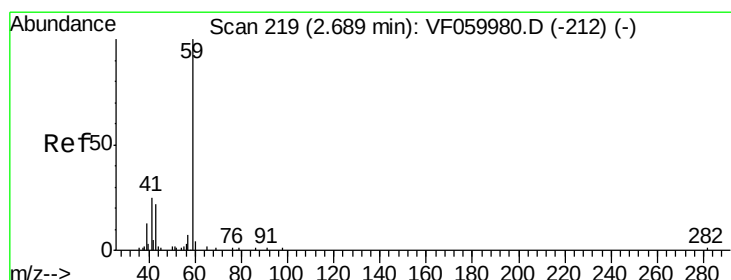
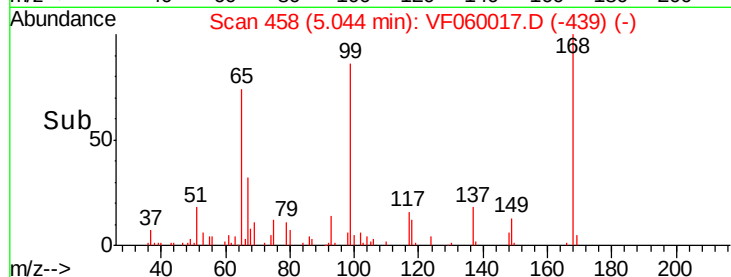
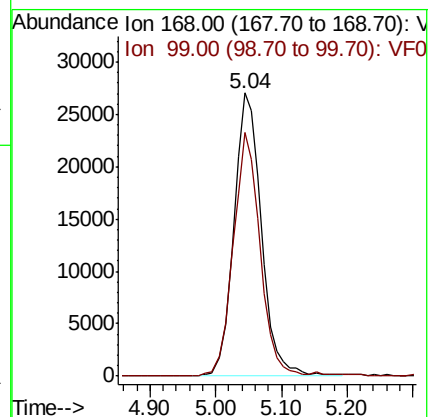
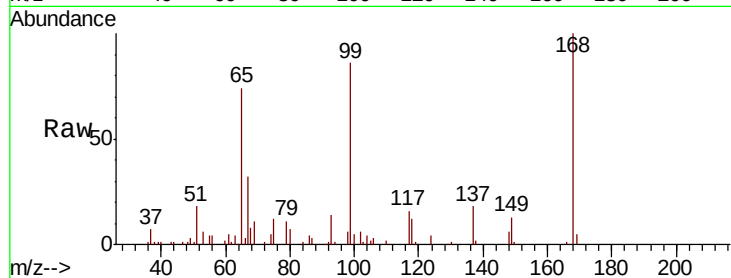
EPE-P-9(30-36)

Tot Ion:168 Resp: 79172

Ion Ratio Lower Upper

168 100

99 86.2 59.0 88.6



#11

Tert butyl alcohol

Concen: 2.73 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF060017.D

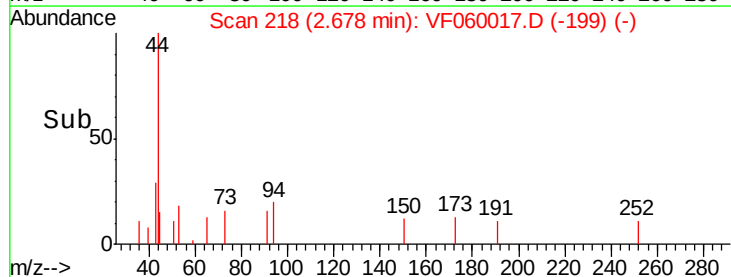
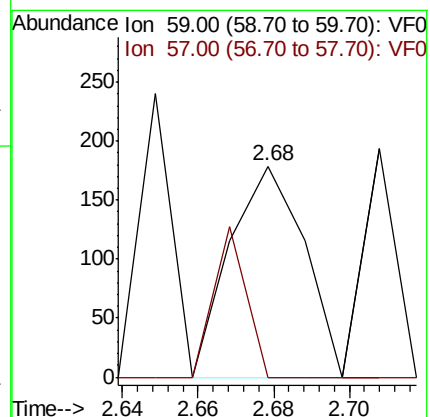
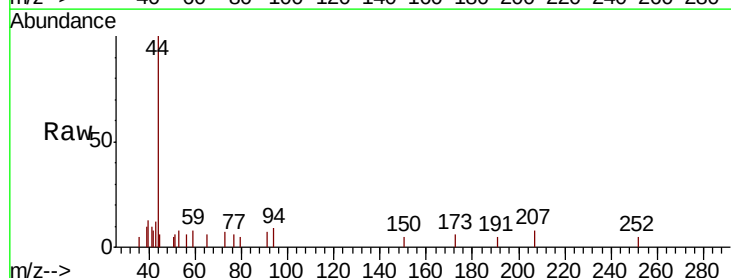
Acq: 20 Aug 2018 22:11

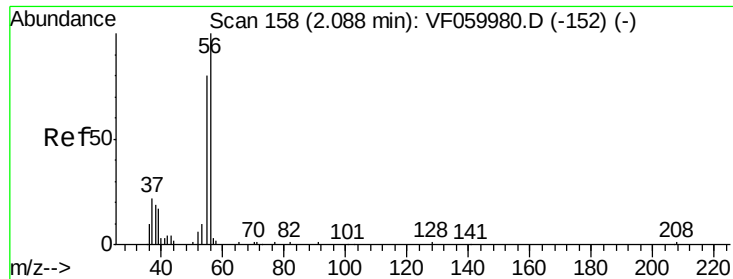
Tgt Ion: 59 Resp: 243

Ion Ratio Lower Upper

59 100

57 0.0 6.8 10.2#





#13

Acrolein

Concen: 17.25 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF060017.D

Acq: 20 Aug 2018 22:11

Instrument :

MSVOA_F

ClientSampleId :

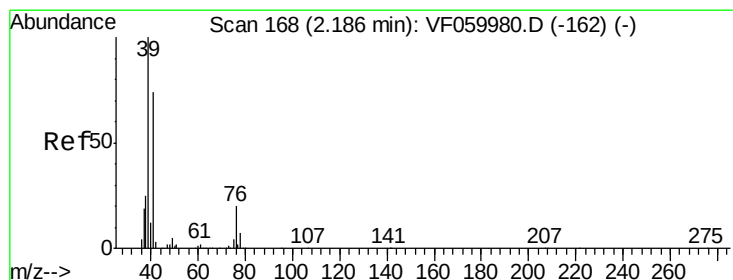
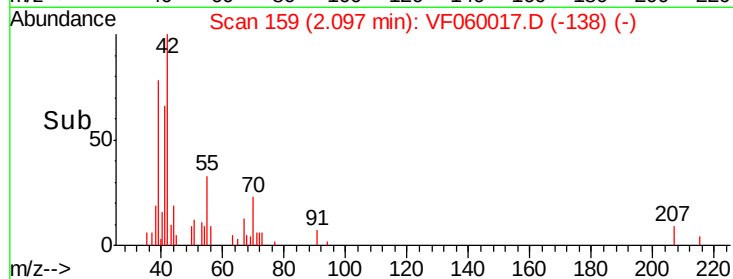
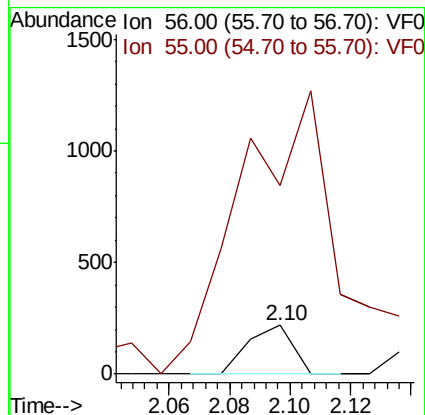
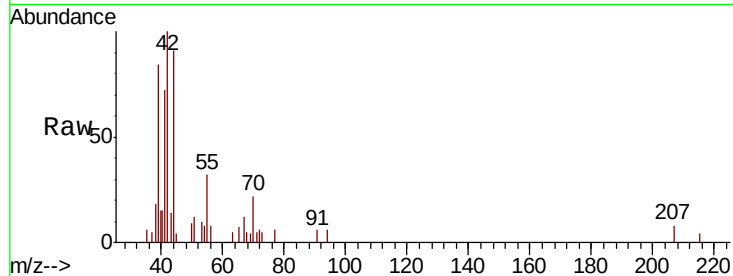
EPE-P-9(30-36)

Tot Ion: 56 Resp: 222

Ion Ratio Lower Upper

56 100

55 383.6 63.8 95.6#



#14

Allyl chloride

Concen: 4.56 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.09 min

Lab File: VF060017.D

Acq: 20 Aug 2018 22:11

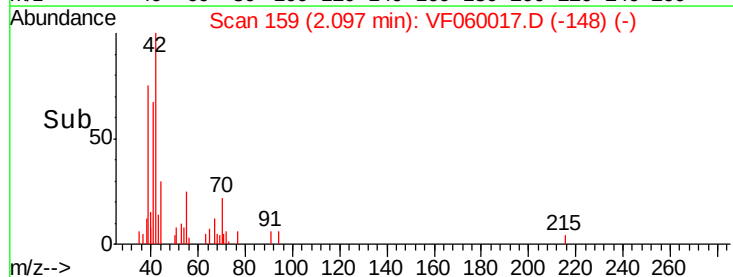
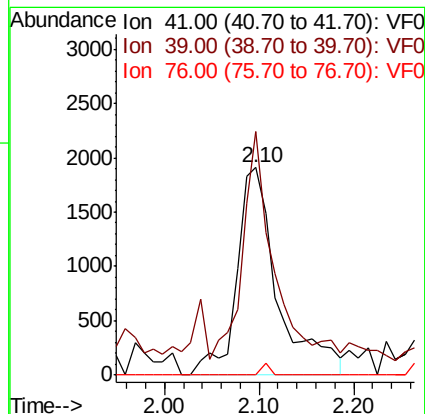
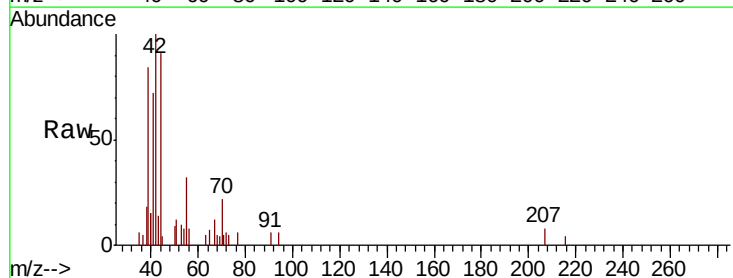
Tgt Ion: 41 Resp: 5763

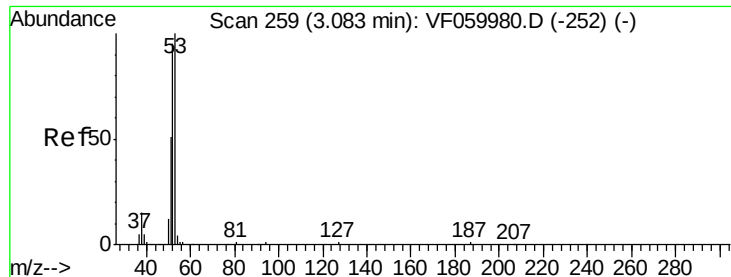
Ion Ratio Lower Upper

41 100

39 117.3 109.3 163.9

76 0.0 21.3 31.9#





#15

Acrylonitrile

Concen: 2.12 ug/l

RT: 3.03 min Scan# 254

Delta R.T. -0.05 min

Lab File: VF060017.D

Acq: 20 Aug 2018 22:11

Instrument :

MSVOA_F

ClientSampleId :

EPE-P-9(30-36)

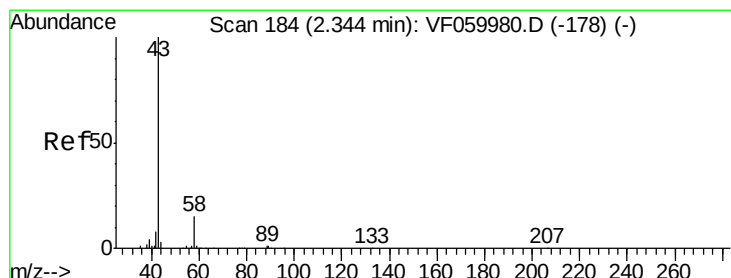
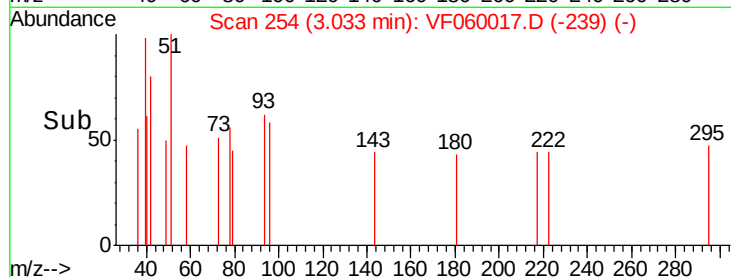
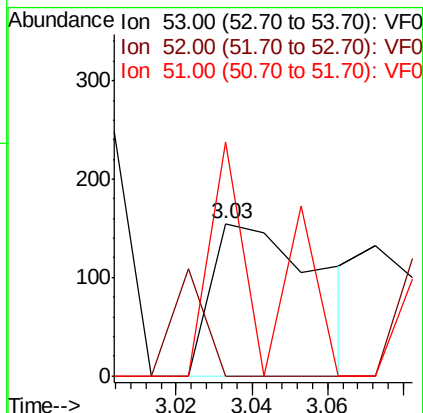
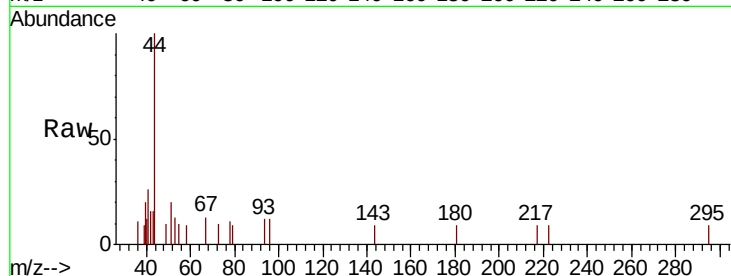
Tot Ion: 53 Resp: 306

Ion Ratio Lower Upper

53 100

52 0.0 76.0 114.0#

51 153.5 41.9 62.9#



#16

Acetone

Concen: 66.21 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060017.D

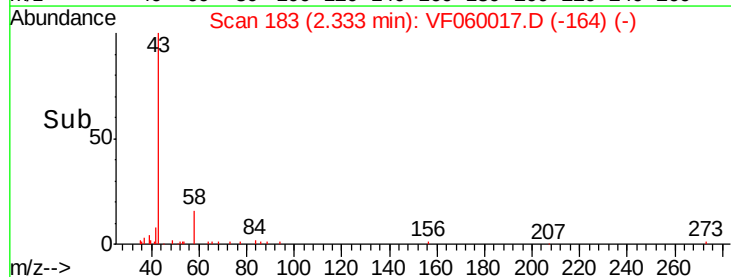
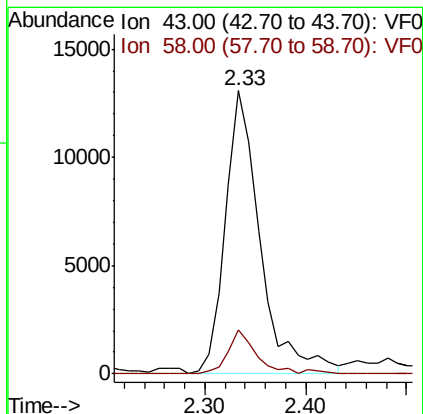
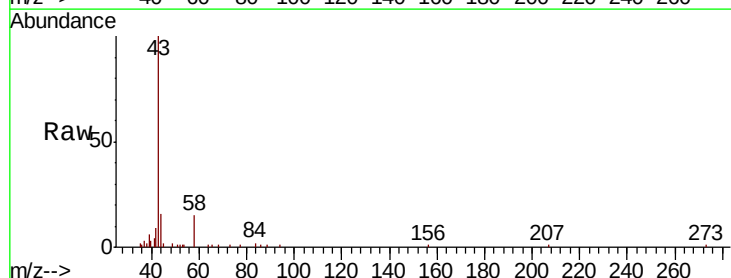
Acq: 20 Aug 2018 22:11

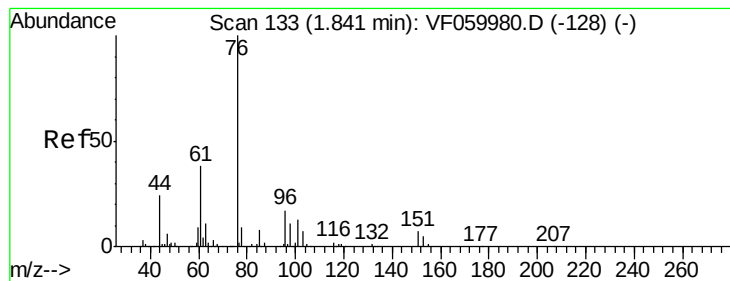
Tgt Ion: 43 Resp: 31505

Ion Ratio Lower Upper

43 100

58 15.5 11.9 17.9





#17

Carbon Disulfide

Concen: 1.27 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VF060017.D

Acq: 20 Aug 2018 22:11

Instrument :

MSVOA_F

ClientSampleId :

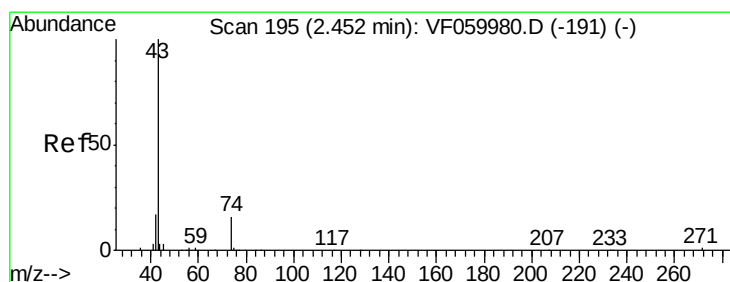
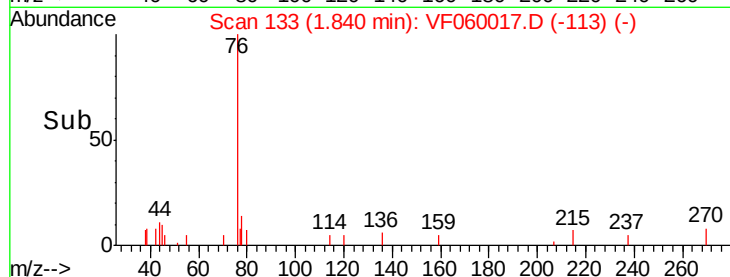
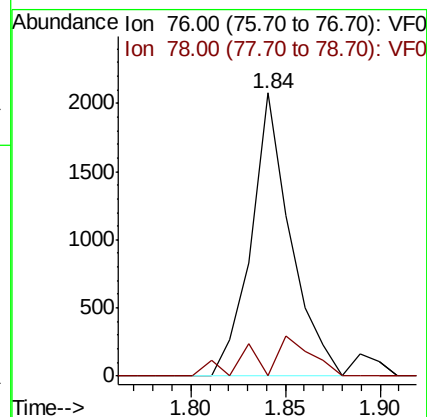
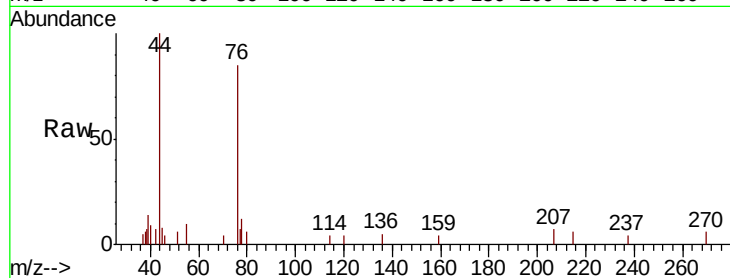
EPE-P-9(30-36)

Tot Ion: 76 Resp: 2998

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 39.62 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.12 min

Lab File: VF060017.D

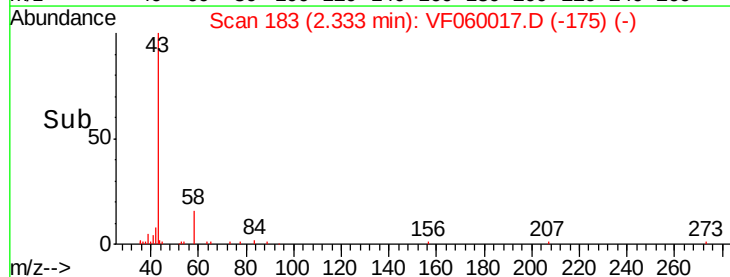
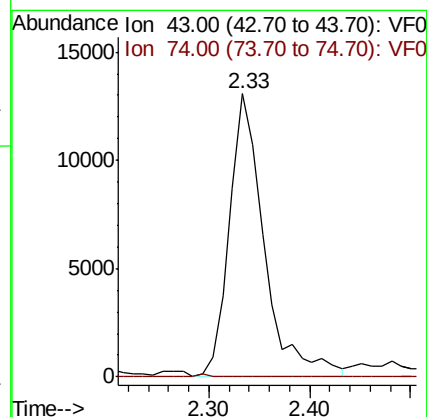
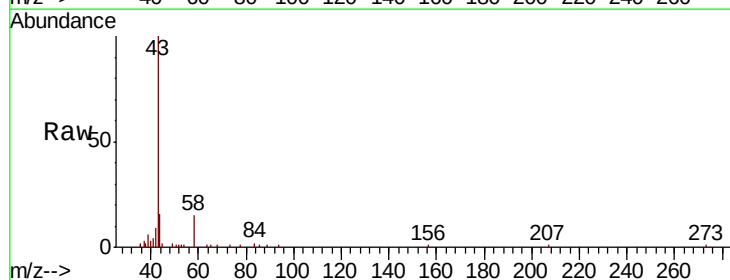
Acq: 20 Aug 2018 22:11

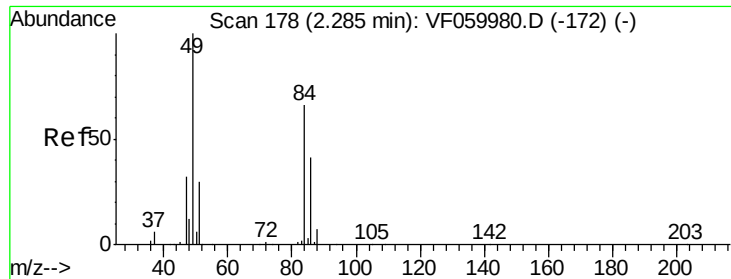
Tgt Ion: 43 Resp: 31505

Ion Ratio Lower Upper

43 100

74 0.0 12.3 18.5#

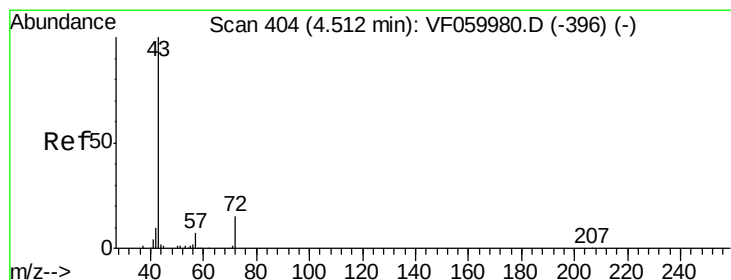
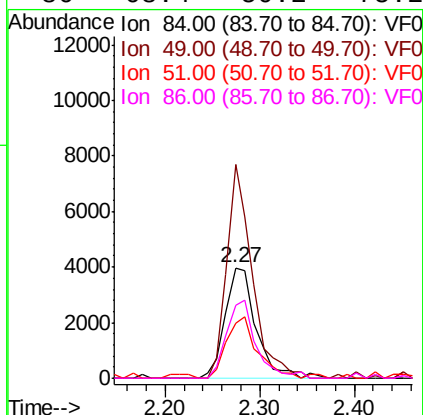
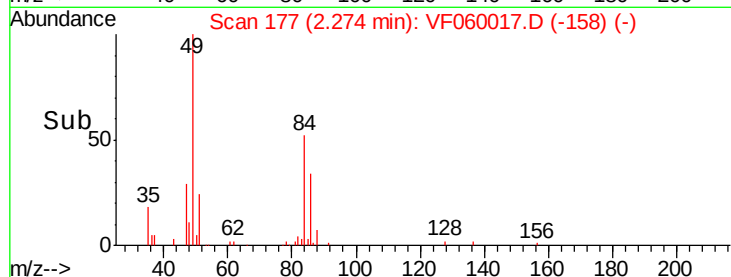
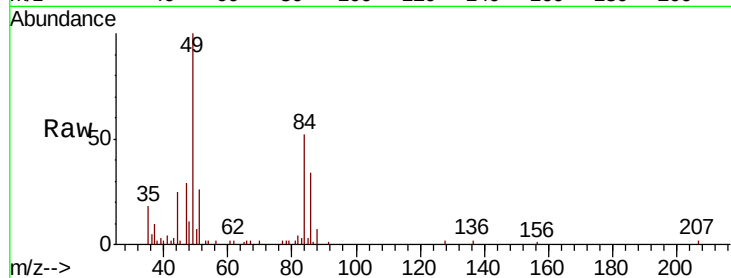




#20
Methylene Chloride
Concen: 7.19 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF060017.D
Acq: 20 Aug 2018 22:11

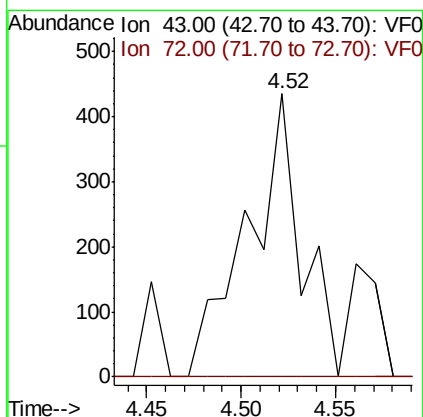
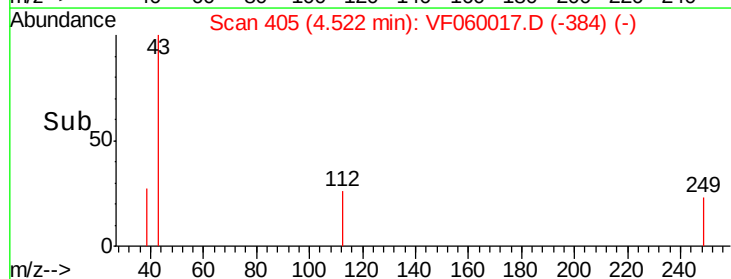
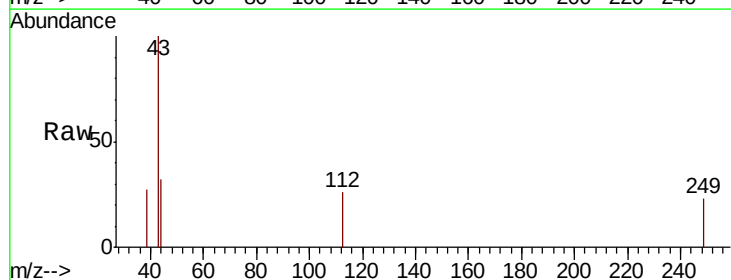
Instrument :
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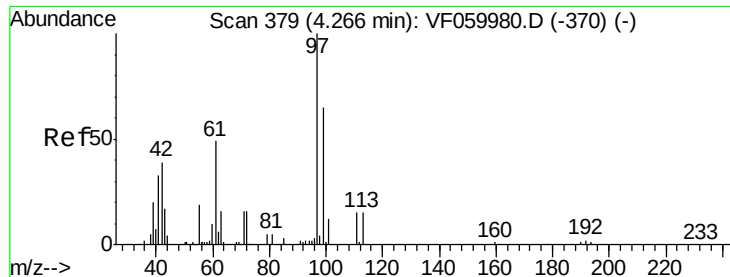
Tot Ion: 84 Resp: 9042
Ion Ratio Lower Upper
84 100
49 193.4 122.5 183.7#
51 50.0 37.1 55.7
86 68.4 50.2 75.2



#25
2-Butanone
Concen: 2.32 ug/l
RT: 4.52 min Scan# 405
Delta R.T. 0.01 min
Lab File: VF060017.D
Acq: 20 Aug 2018 22:11

Tgt Ion: 43 Resp: 858
Ion Ratio Lower Upper
43 100
72 0.0 12.5 18.7#





#29

Tetrahydrofuran

Concen: 1.19 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF060017.D

Acq: 20 Aug 2018 22:11

Instrument :

MSVOA_F

ClientSampleId :

EPE-P-9(30-36)

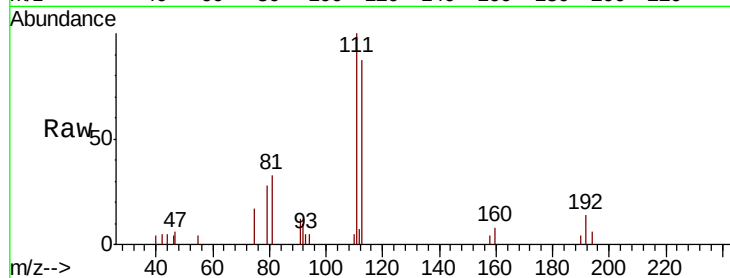
Tot Ion: 42 Resp: 157

Ion Ratio Lower Upper

42 100

72 0.0 29.8 44.6#

71 0.0 29.0 43.4#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

4.26

150

100

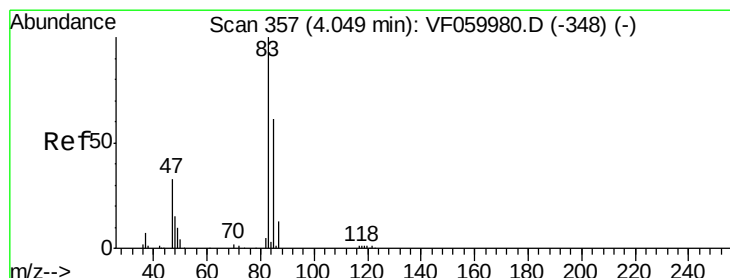
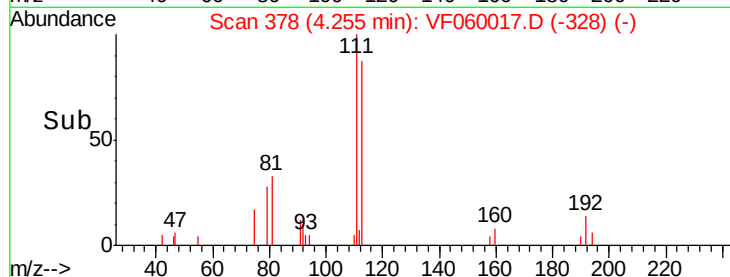
50

0

4.25

4.30

Time-->



#30

Chloroform

Concen: 1.29 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF060017.D

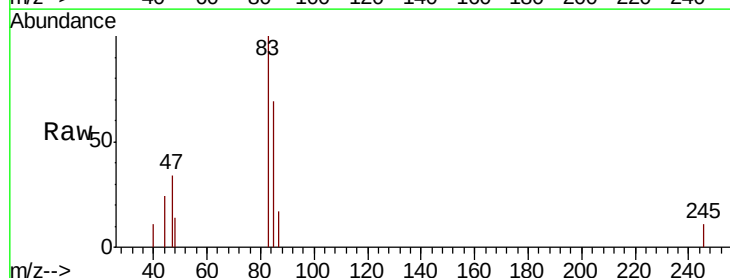
Acq: 20 Aug 2018 22:11

Tgt Ion: 83 Resp: 2644

Ion Ratio Lower Upper

83 100

85 68.5 48.8 73.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

4.03

1200

1000

800

600

400

200

0

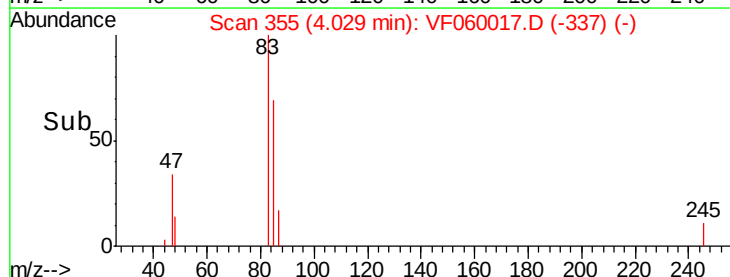
3.95

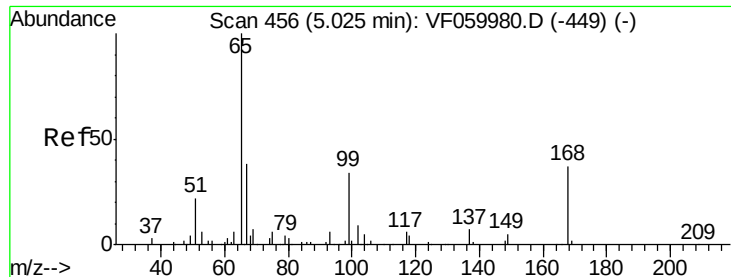
4.00

4.05

4.10

Time-->

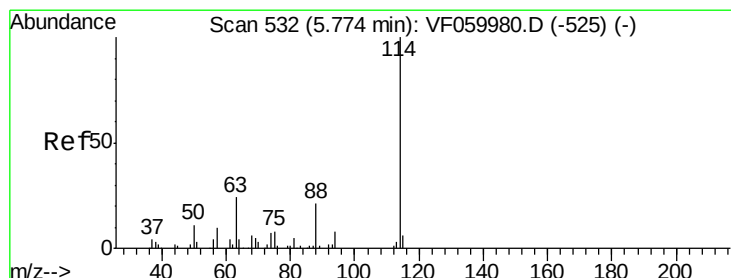
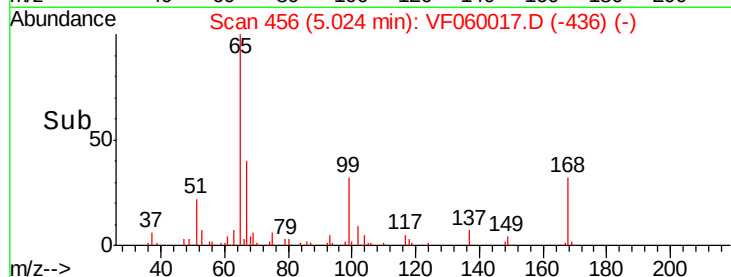
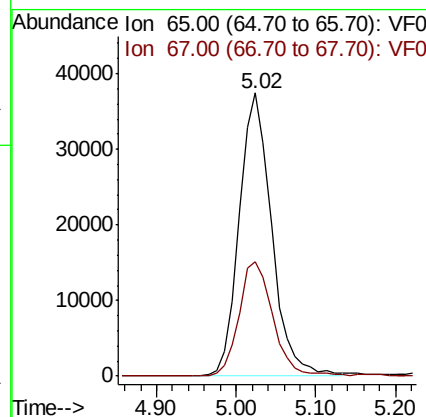
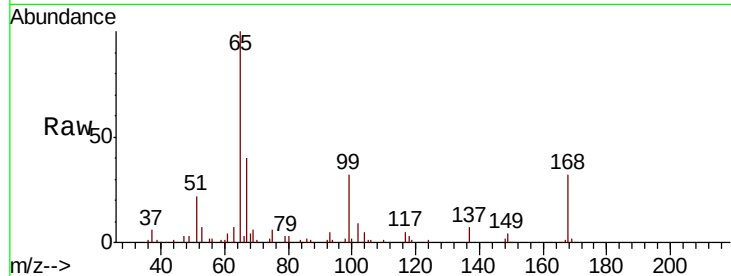




#33
 1,2-Dichloroethane-d4
 Concen: 69.28 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF060017.D
 Acq: 20 Aug 2018 22:11

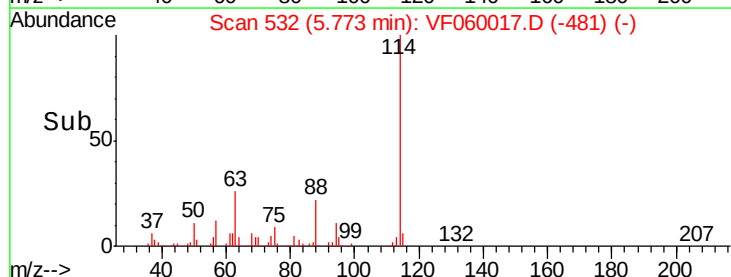
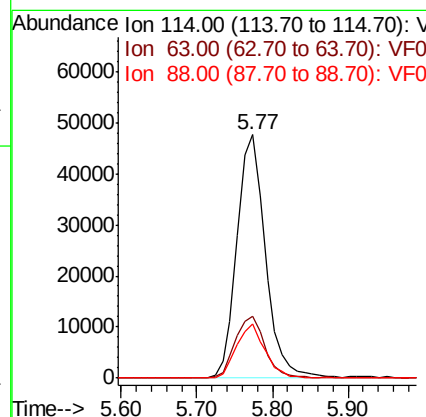
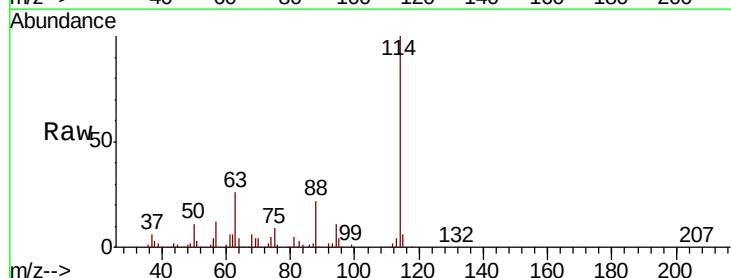
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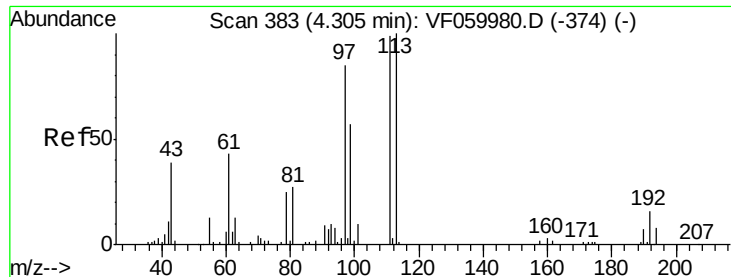
Tot Ion: 65 Resp: 105877
 Ion Ratio Lower Upper
 65 100
 67 40.5 0.0 82.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VF060017.D
 Acq: 20 Aug 2018 22:11

Tgt Ion: 114 Resp: 124100
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 48.6
 88 22.2 0.0 42.8





#35

Dibromofluoromethane

Concen: 64.81 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF060017.D

Acq: 20 Aug 2018 22:11

Instrument :

MSVOA_F

ClientSampleId :

EPE-P-9(30-36)

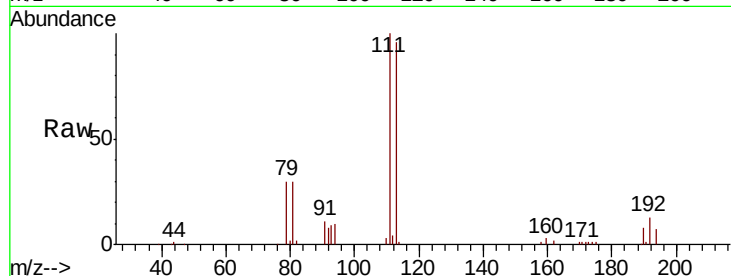
Tot Ion:113 Resp: 82200

Ion Ratio Lower Upper

113 100

111 103.8 79.5 119.3

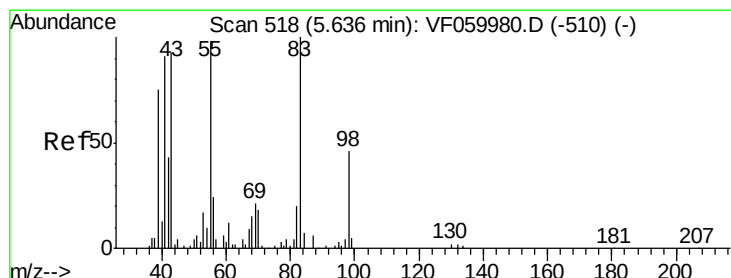
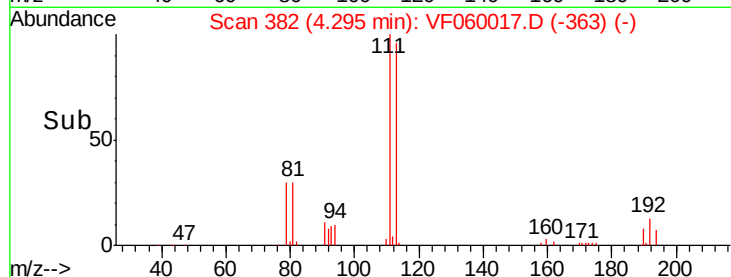
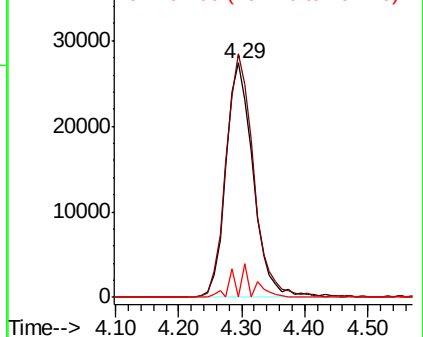
192 0.0 12.4 18.6#



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: 2.61 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.14 min

Lab File: VF060017.D

Acq: 20 Aug 2018 22:11

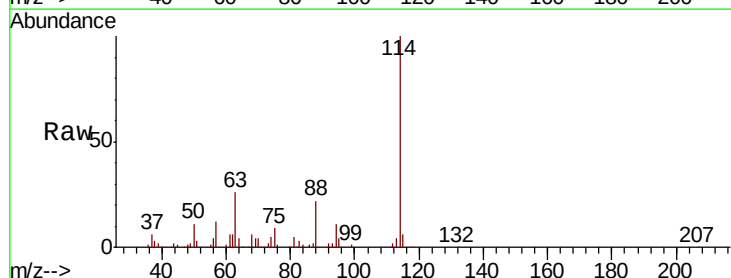
Tgt Ion: 83 Resp: 2768

Ion Ratio Lower Upper

83 100

55 43.2 78.8 118.2#

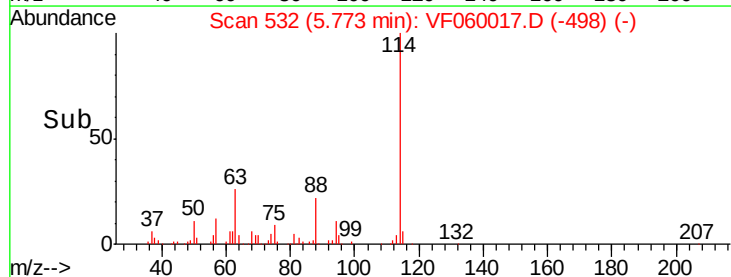
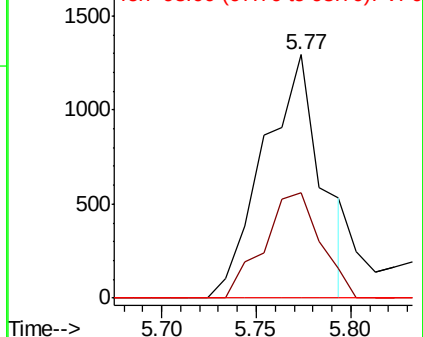
98 0.0 36.8 55.2#

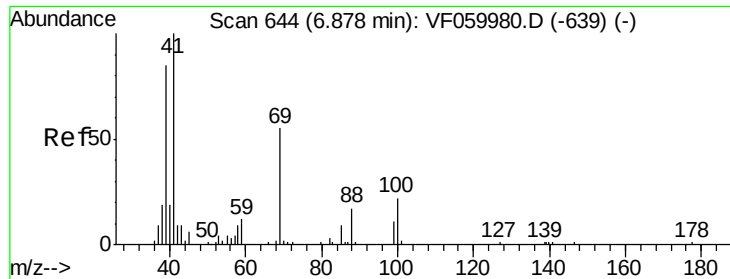


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#49

1,4-Dioxane

Concen: 70.64 ug/l

RT: 7.21 min Scan# 678

Delta R.T. 0.33 min

Lab File: VF060017.D

Acq: 20 Aug 2018 22:11

Instrument :

MSVOA_F

ClientSampleId :

EPE-P-9(30-36)

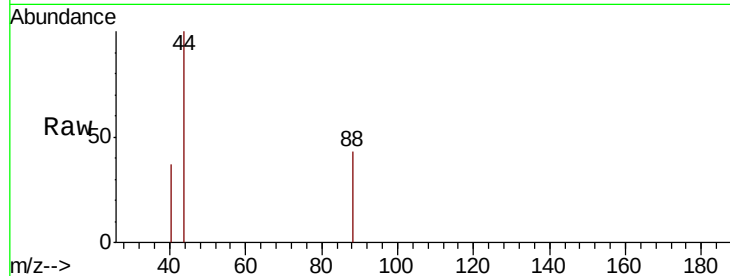
Tot Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 0.0 43.2 64.8#

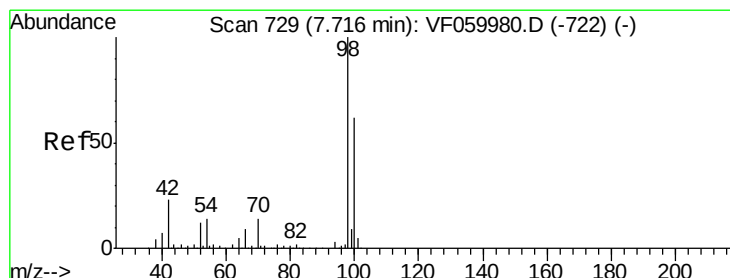
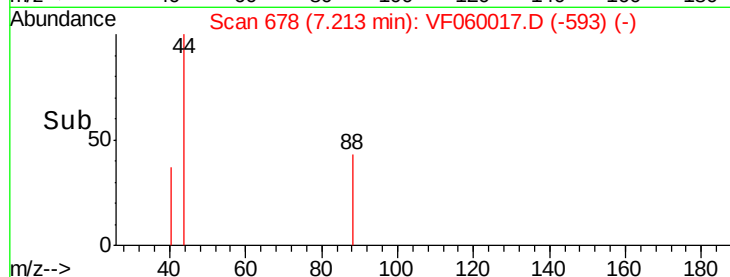
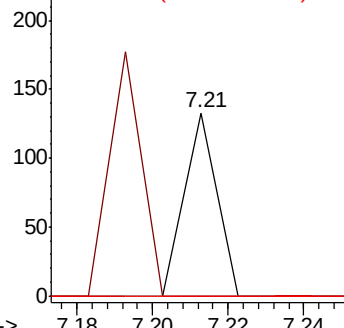
58 0.0 42.0 63.0#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 41.16 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.00 min

Lab File: VF060017.D

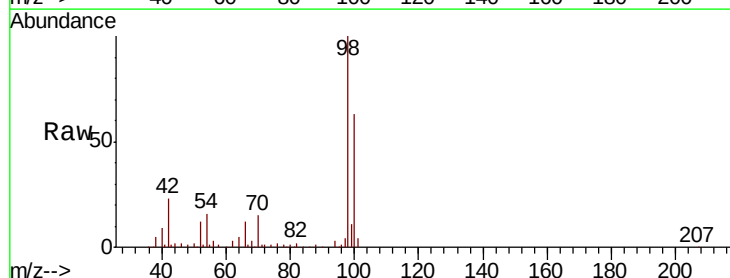
Acq: 20 Aug 2018 22:11

Tgt Ion: 98 Resp: 116086

Ion Ratio Lower Upper

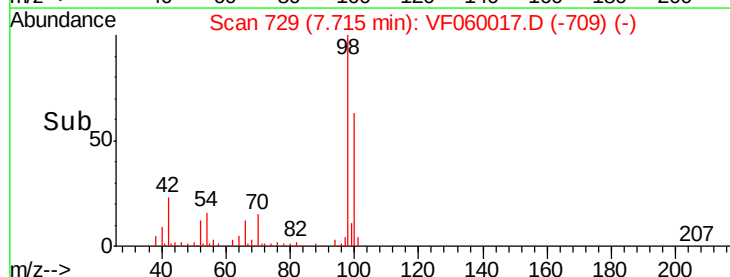
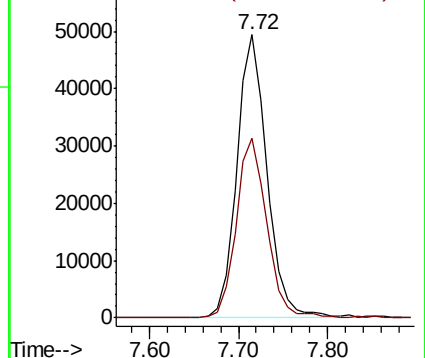
98 100

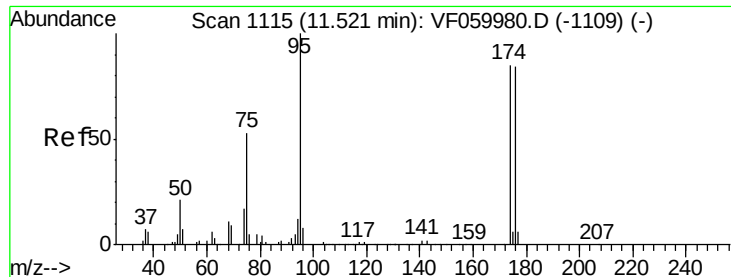
100 63.3 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

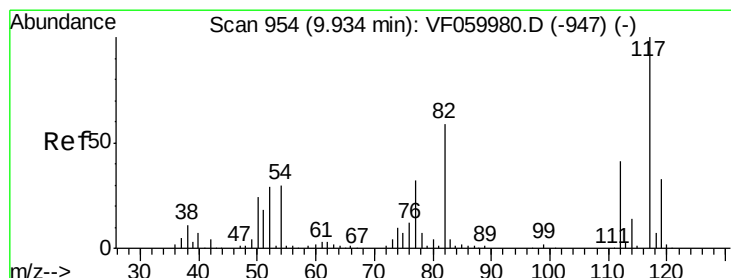
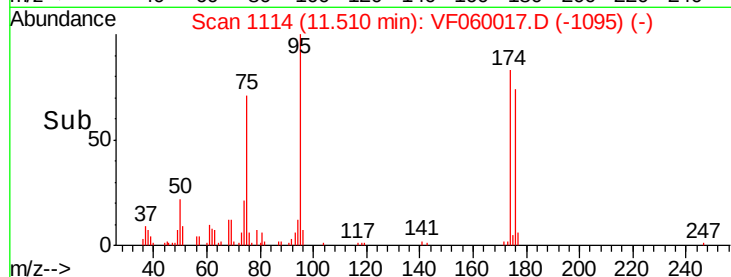
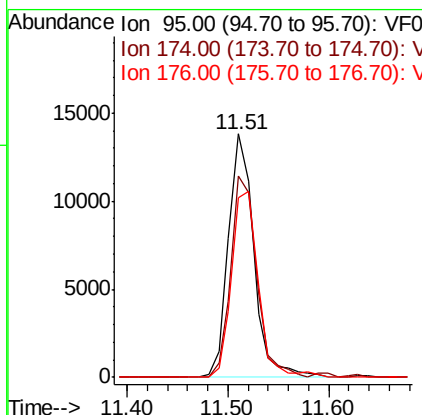
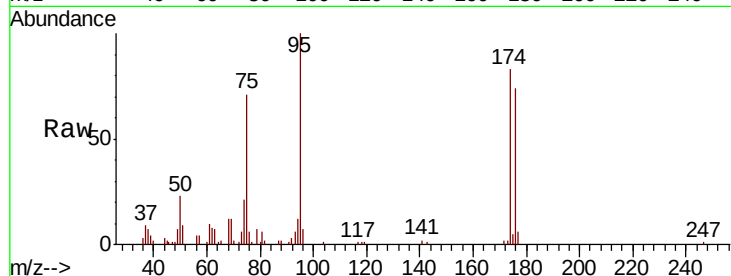




#62
4-Bromofluorobenzene
Concen: 14.03 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF060017.D
Acq: 20 Aug 2018 22:11

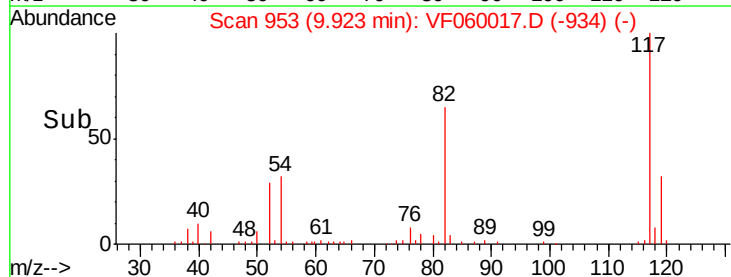
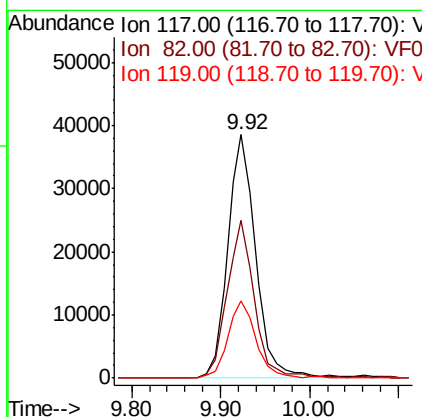
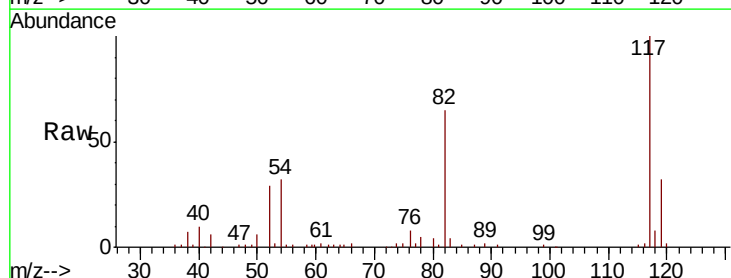
Instrument :
MSVOA_F
ClientSampleId :
EPE-P-9(30-36)

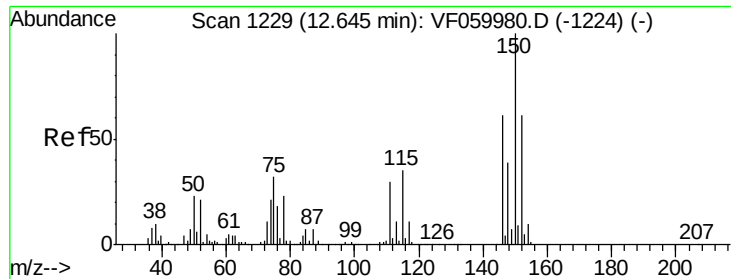
Tot Ion: 95 Resp: 24288
Ion Ratio Lower Upper
95 100
174 82.6 0.0 169.8
176 73.5 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060017.D
Acq: 20 Aug 2018 22:11

Tgt Ion: 117 Resp: 84915
Ion Ratio Lower Upper
117 100
82 64.9 47.2 70.8
119 31.6 26.1 39.1



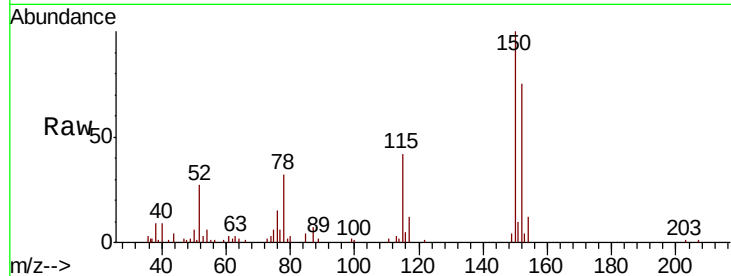


#72

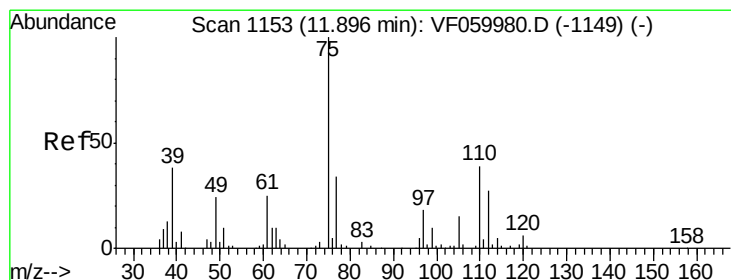
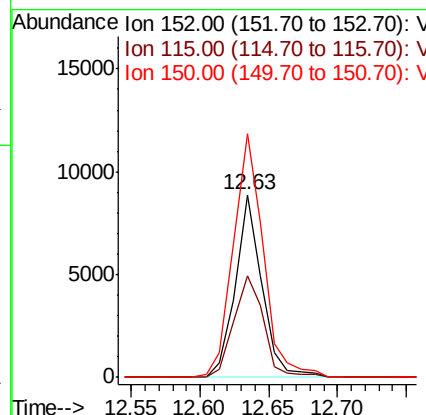
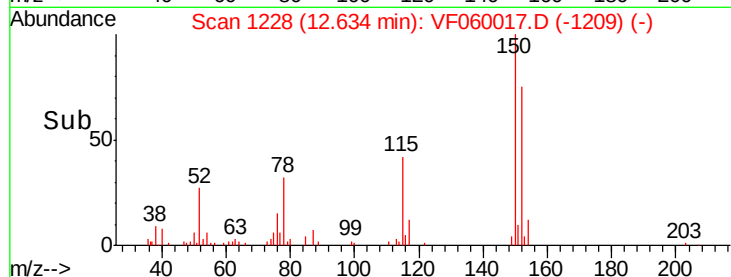
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF060017.D
Acq: 20 Aug 2018 22:11

Instrument :
MSVOA_F
ClientSampleId :
EPE-P-9(30-36)

Tot Ion:152 Resp: 11995
Ion Ratio Lower Upper
152 100
115 55.4 29.1 87.3
150 133.4 0.0 330.2



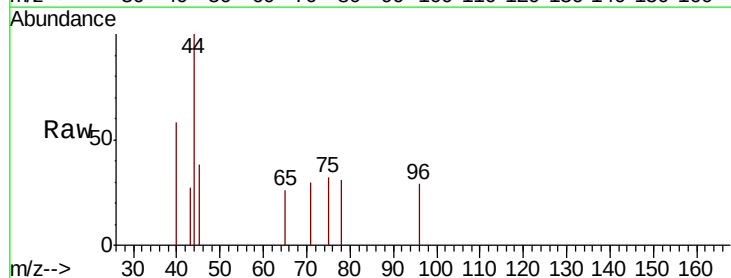
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



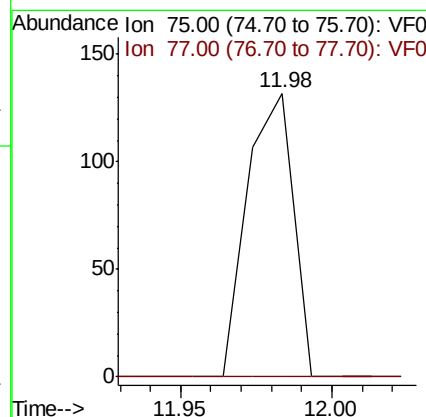
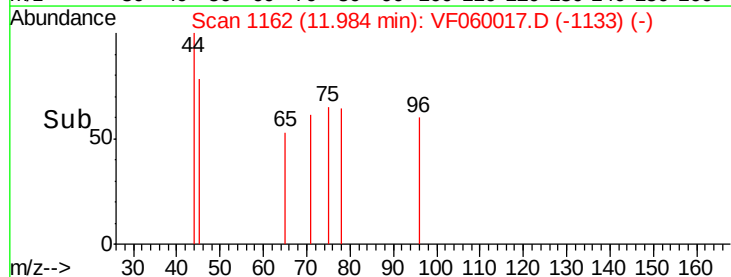
#76

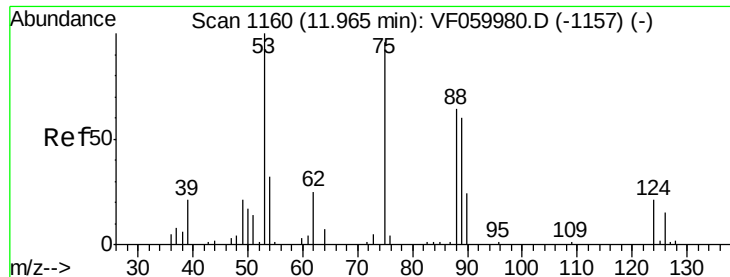
1,2,3-Trichloropropane
Concen: 1.13 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. 0.09 min
Lab File: VF060017.D
Acq: 20 Aug 2018 22:11

Tgt Ion: 75 Resp: 141
Ion Ratio Lower Upper
75 100
77 0.0 17.1 51.3#



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#81

trans-1,4-Dichloro-2-butene

Concen: 2.67 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.02 min

Lab File: VF060017.D

Acq: 20 Aug 2018 22:11

Instrument :

MSVOA_F

ClientSampleId :

EPE-P-9(30-36)

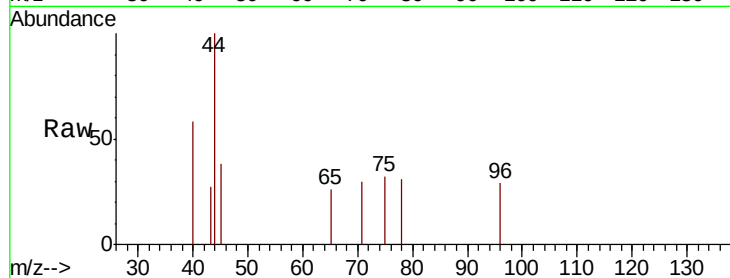
Tot Ion: 75 Resp: 141

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.0#

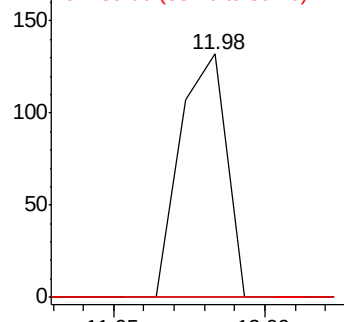
89 0.0 52.8 79.2#



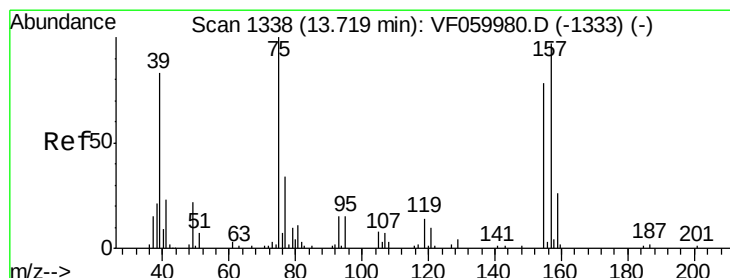
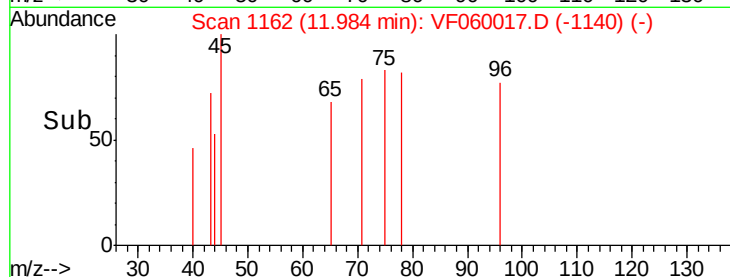
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.02 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.02 min

Lab File: VF060017.D

Acq: 20 Aug 2018 22:11

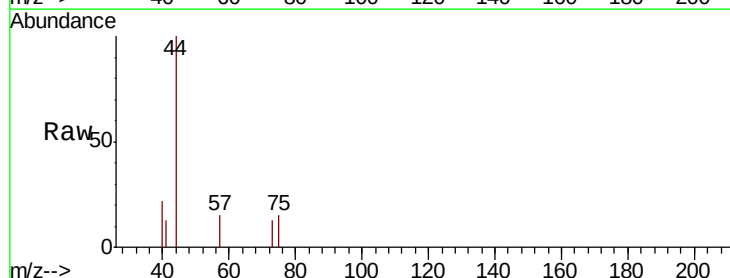
Tgt Ion: 75 Resp: 79

Ion Ratio Lower Upper

75 100

155 0.0 38.9 116.7#

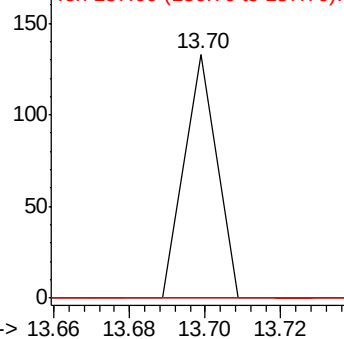
157 0.0 50.8 152.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



Time-->

