

Data File : VW002350.D
Acq On : 10 May 2018 01:45
Operator : JC/SY
Sample : J2730-10
Misc : 4.94G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EPE-F-6A(90-92)

Quant Time: May 10 05:51:17 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
Quant Title : SW846 8260
QLast Update : Tue May 08 03:57:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	93509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	151083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	96204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	16048	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52983	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
35) Dibromofluoromethane	7.88	113	50906	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	10.33	98	122342	33.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.26%	
62) 4-Bromofluorobenzene	12.63	95	21295	15.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.92%	

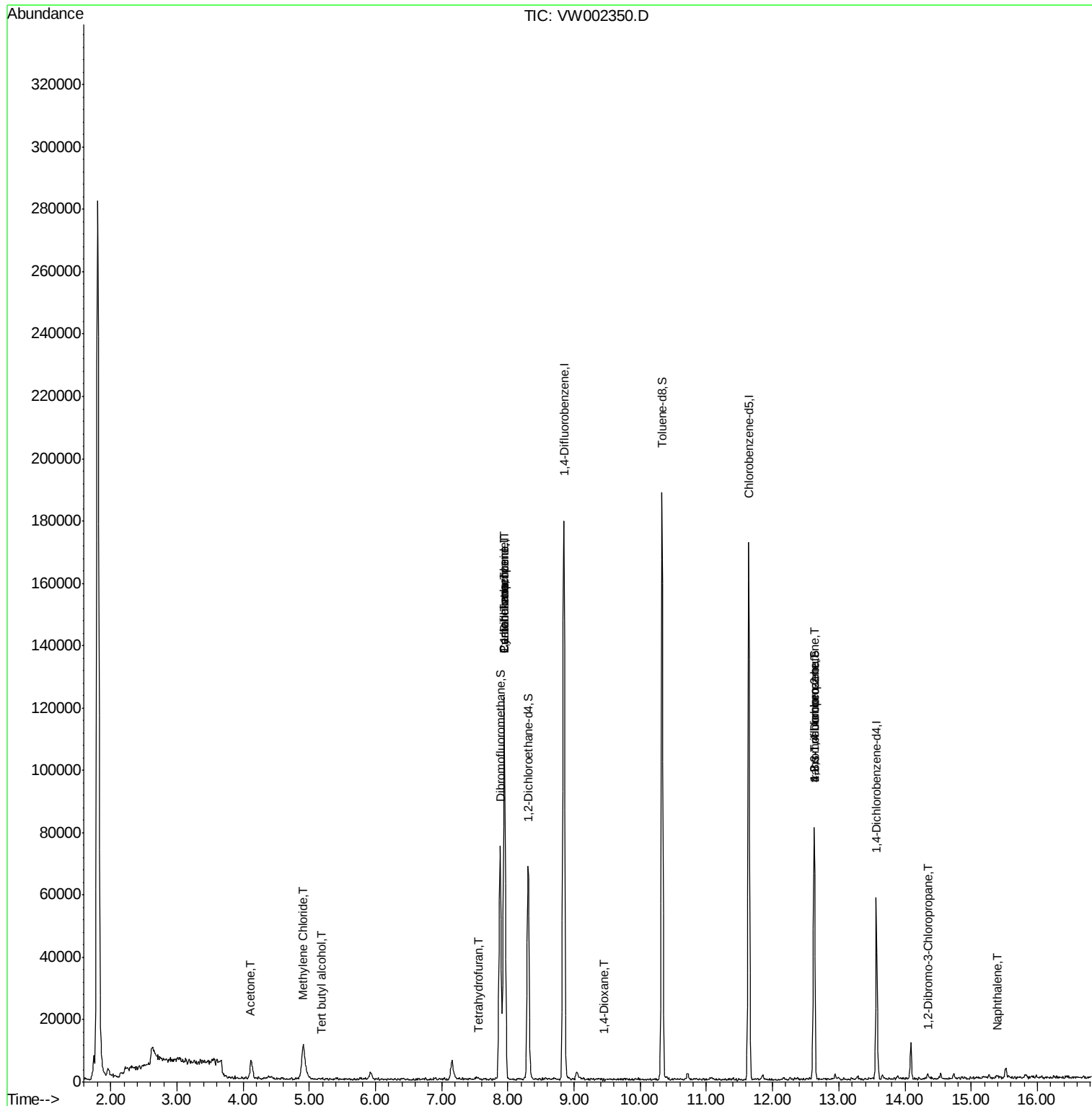
Target Compounds						Qvalue
11) Tert butyl alcohol	5.18	59	185	2.56	ug/l #	85
16) Acetone	4.12	43	9903	51.06	ug/l	95
20) Methylene Chloride	4.91	84	9057	9.69	ug/l #	87
29) Tetrahydrofuran	7.54	42	463	2.45	ug/l #	60
31) Cyclohexane	7.94	56	2280	1.55	ug/l #	41
36) 1,1-Dichloropropene	7.95	75	7109	5.20	ug/l #	51
38) Carbon Tetrachloride	7.95	117	8904	6.74	ug/l #	16
49) 1,4-Dioxane	9.45	88	45	5.06	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	11233	78.93	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	11233	207.92	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.35	75	55	1.58	ug/l #	1
95) Naphthalene	15.39	128	868	1.40	ug/l #	87

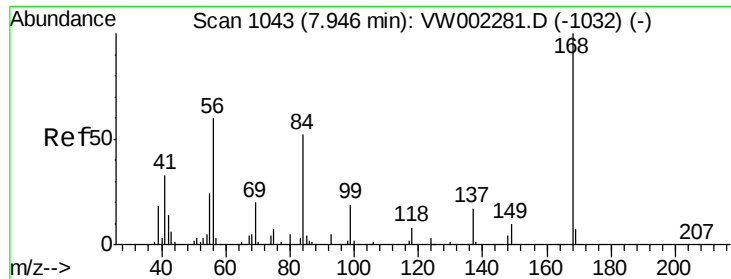
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002350.D

Acq: 10 May 2018 01:45

Instrument :

MSVOA_W

ClientSampleId :

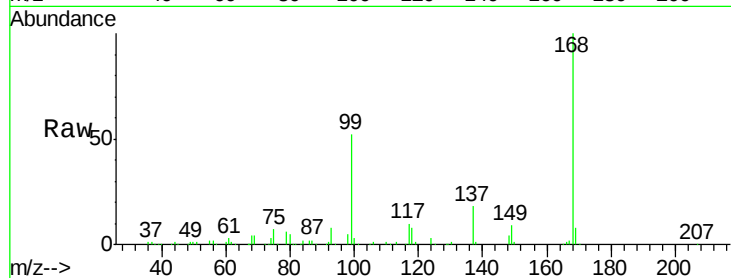
EPE-F-6A(90-92)

Tgt Ion:168 Resp: 93509

Ion Ratio Lower Upper

168 100

99 52.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

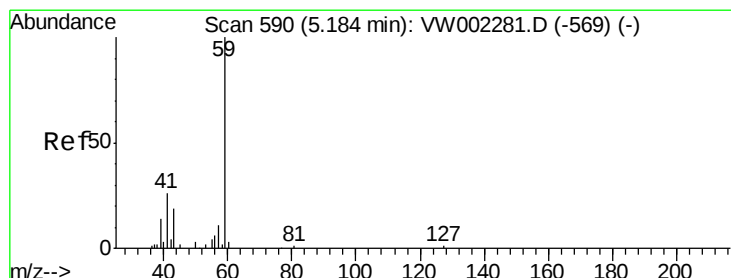
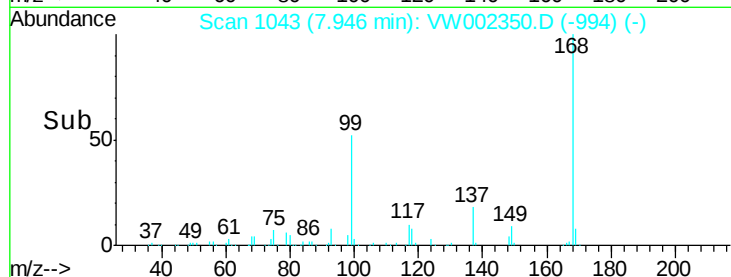
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 2.56 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.00 min

Lab File: VW002350.D

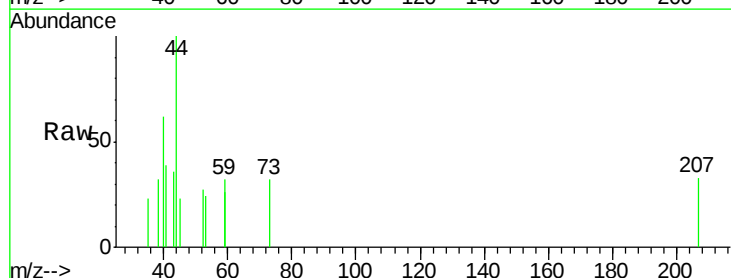
Acq: 10 May 2018 01:45

Tgt Ion: 59 Resp: 185

Ion Ratio Lower Upper

59 100

57 0.0 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

150

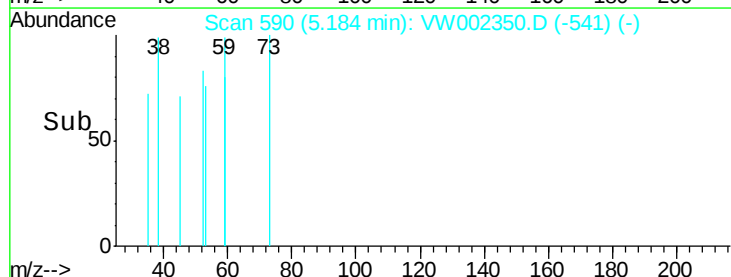
100

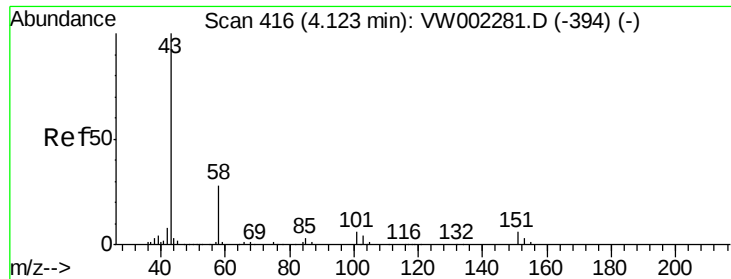
50

0

5.16 5.18 5.20

Time-->





#16

Acetone

Concen: 51.06 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002350.D

Acq: 10 May 2018 01:45

Instrument :

MSVOA_W

ClientSampleId :

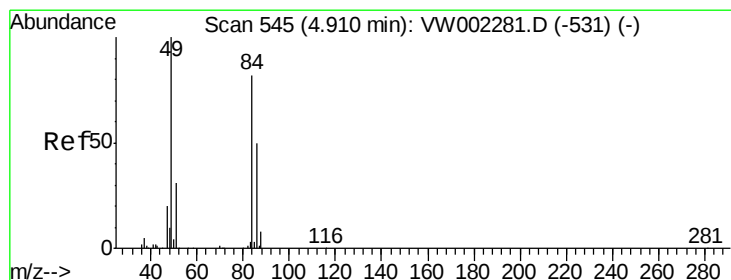
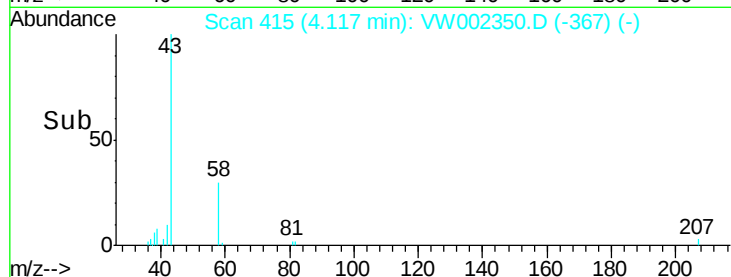
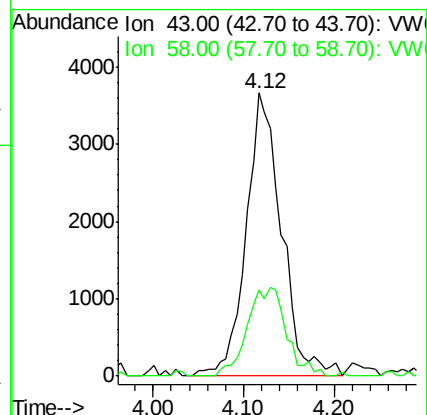
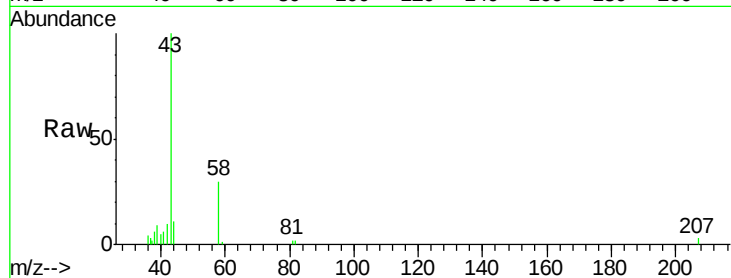
EPE-F-6A(90-92)

Tgt Ion: 43 Resp: 9903

Ion Ratio Lower Upper

43 100

58 30.4 22.2 33.4



#20

Methylene Chloride

Concen: 9.69 ug/l

RT: 4.91 min Scan# 545

Delta R.T. -0.00 min

Lab File: VW002350.D

Acq: 10 May 2018 01:45

Tgt Ion: 84 Resp: 9057

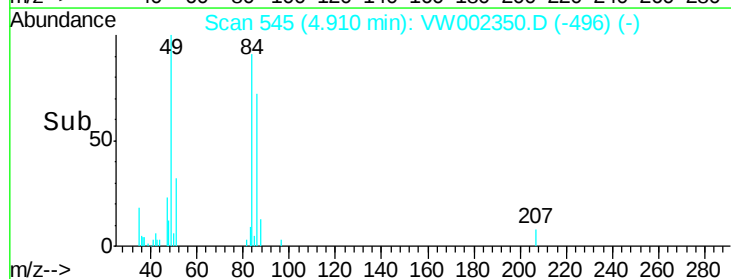
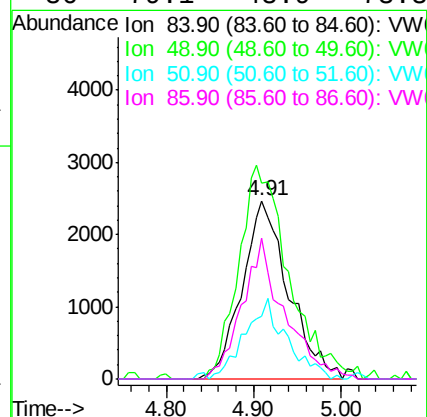
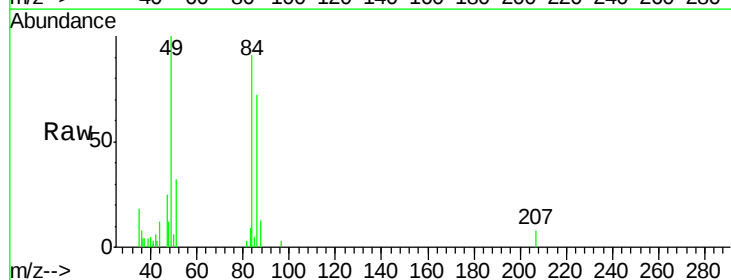
Ion Ratio Lower Upper

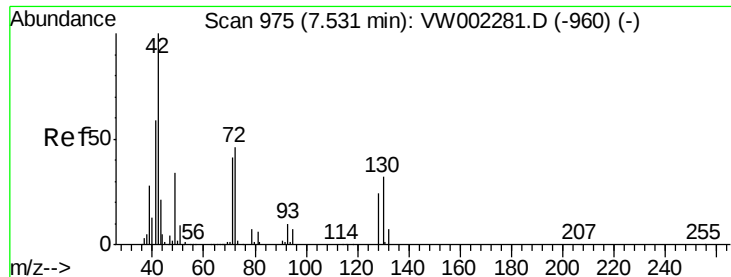
84 100

49 110.1 97.7 146.5

51 35.2 30.2 45.4

86 79.1 48.9 73.3#





#29

Tetrahydrofuran

Concen: 2.45 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW002350.D

Acq: 10 May 2018 01:45

Instrument :

MSVOA_W

ClientSampleId :

EPE-F-6A(90-92)

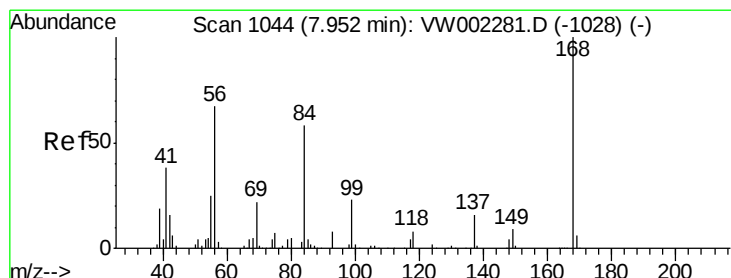
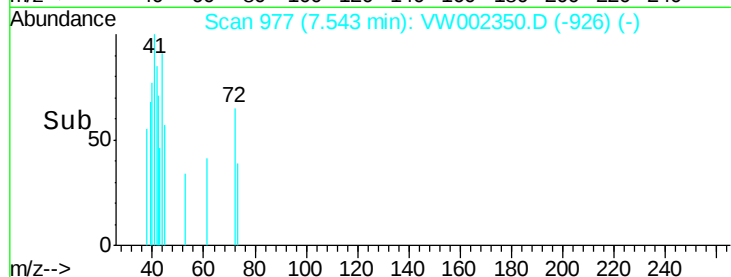
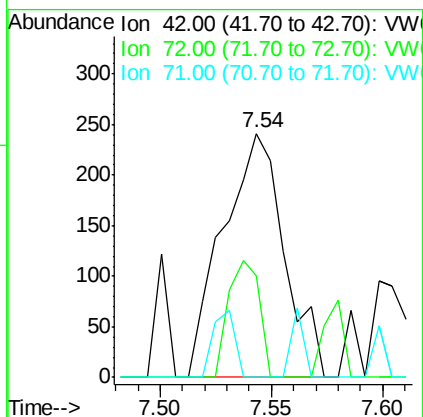
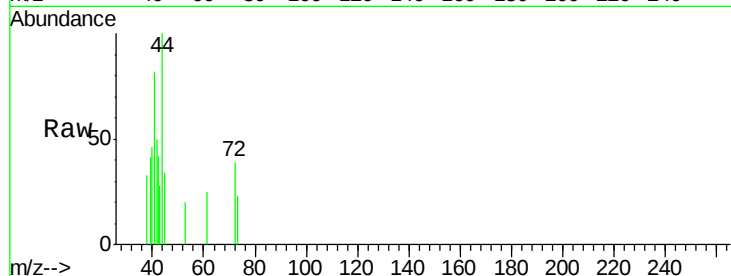
Tgt Ion: 42 Resp: 463

Ion Ratio Lower Upper

42 100

72 24.0 34.5 51.7#

71 9.5 33.0 49.6#



#31

Cyclohexane

Concen: 1.55 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VW002350.D

Acq: 10 May 2018 01:45

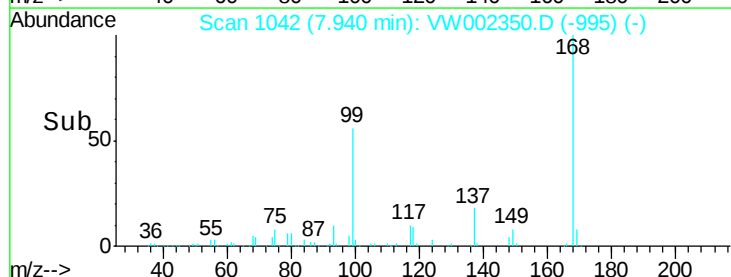
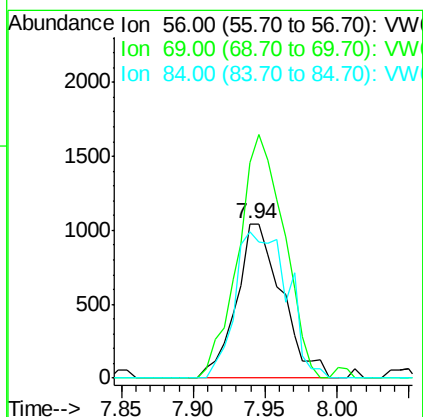
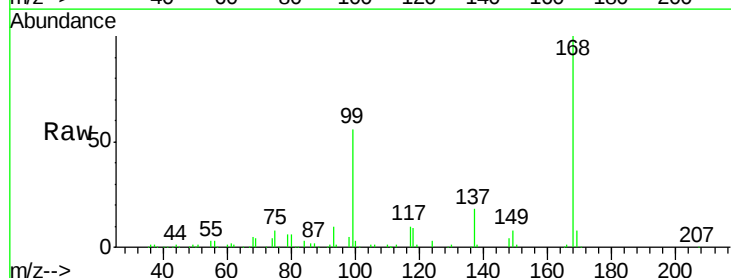
Tgt Ion: 56 Resp: 2280

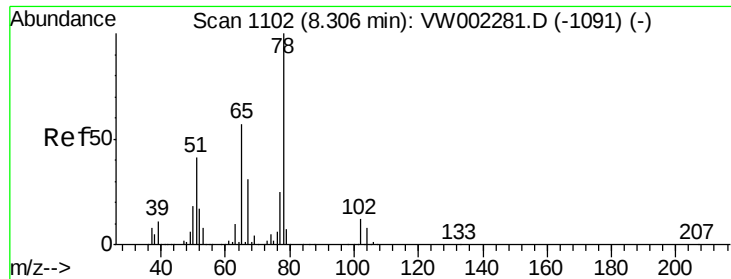
Ion Ratio Lower Upper

56 100

69 140.3 26.2 39.4#

84 94.7 69.2 103.8





#33

1,2-Dichloroethane-d4

Concen: 53.36 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002350.D

Acq: 10 May 2018 01:45

Instrument :

MSVOA_W

ClientSampleId :

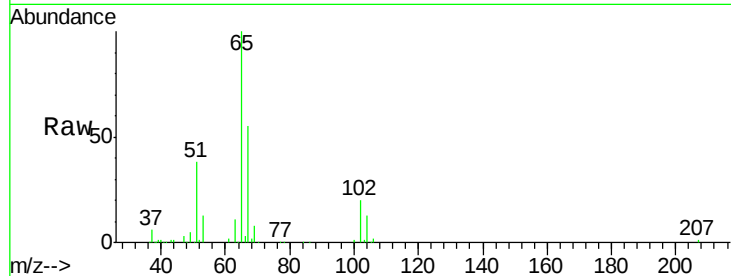
EPE-F-6A(90-92)

Tgt Ion: 65 Resp: 52983

Ion Ratio Lower Upper

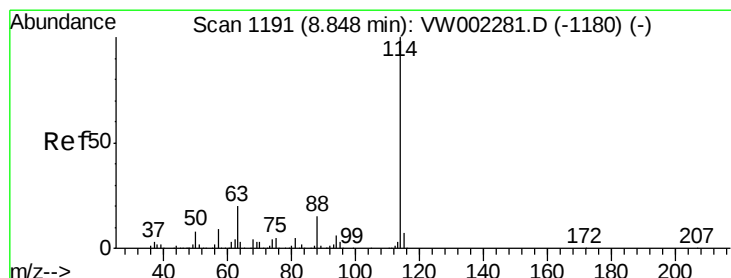
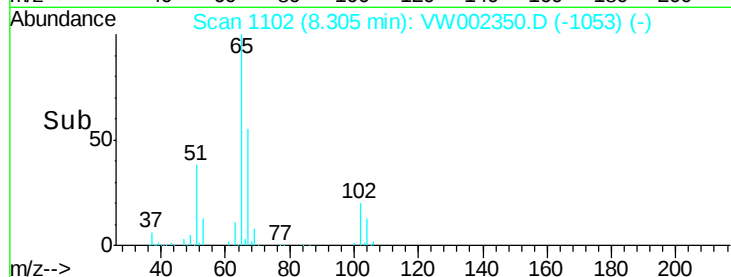
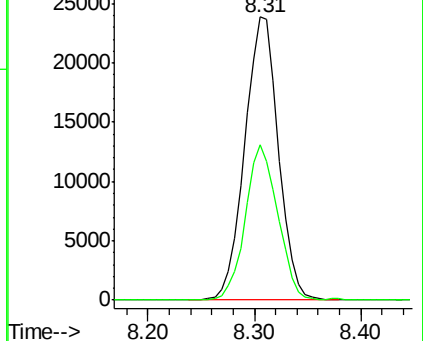
65 100

67 53.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW002350.D

Acq: 10 May 2018 01:45

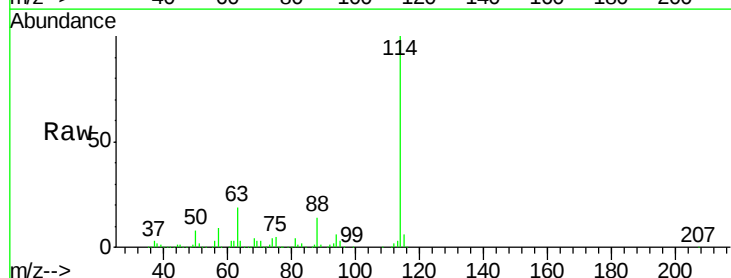
Tgt Ion: 114 Resp: 151083

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.0

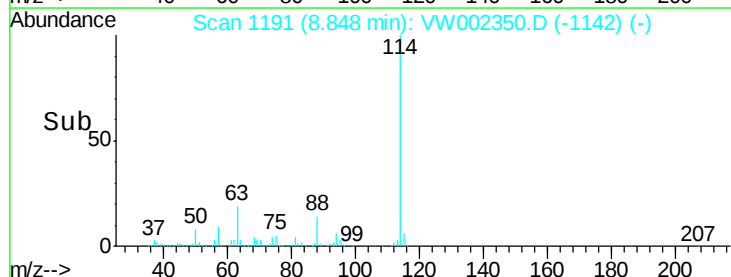
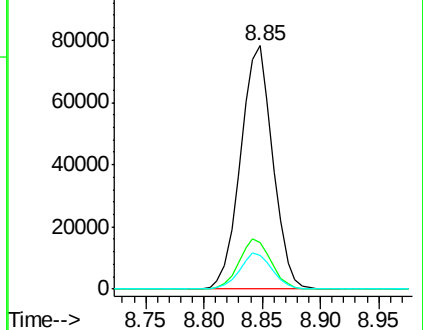
88 13.9 0.0 29.6

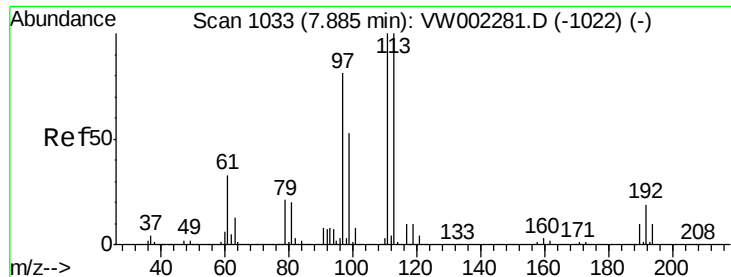


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

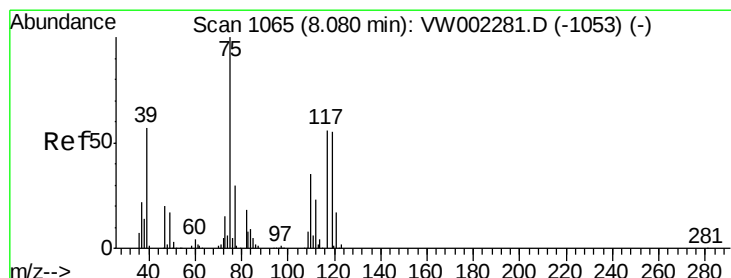
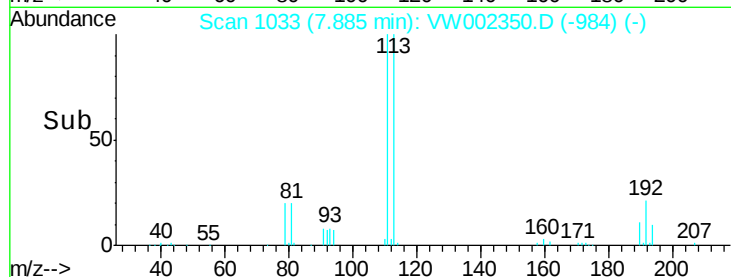
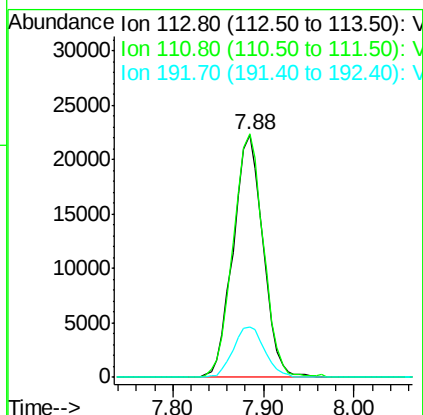
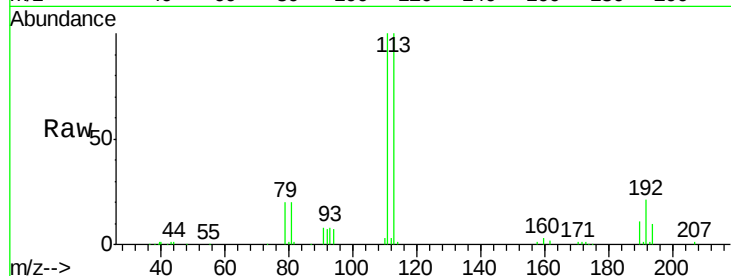




#35
 Dibromofluoromethane
 Concen: 52.57 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002350.D
 Acq: 10 May 2018 01:45

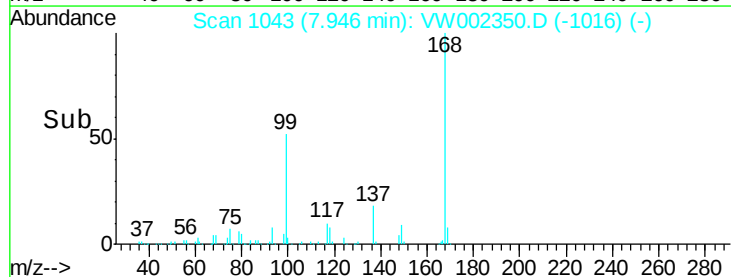
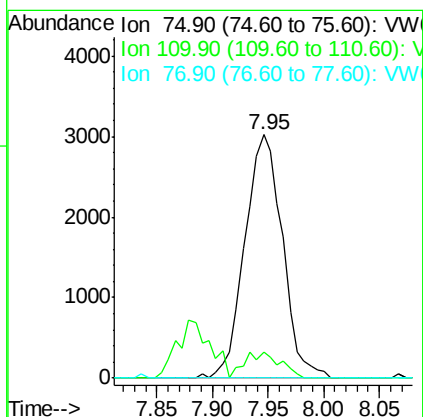
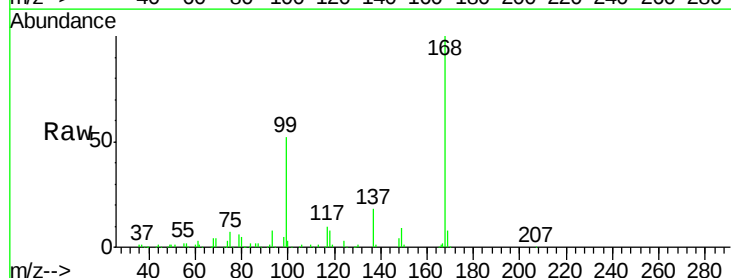
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-F-6A(90-92)

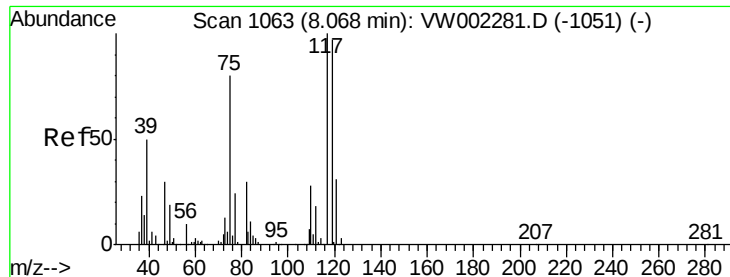
Tgt Ion: 113 Resp: 50906
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.5 122.3
 192 22.0 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 5.20 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002350.D
 Acq: 10 May 2018 01:45

Tgt Ion: 75 Resp: 7109
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.1 54.1#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.74 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002350.D

Acq: 10 May 2018 01:45

Instrument :

MSVOA_W

ClientSampleId :

EPE-F-6A(90-92)

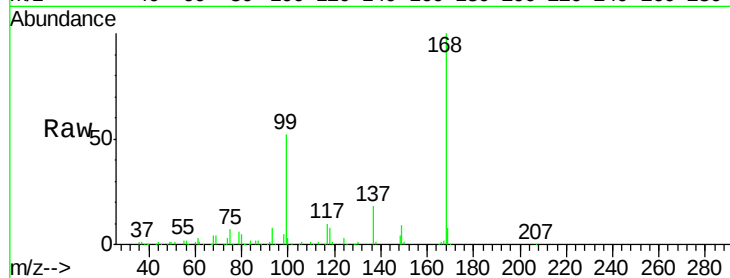
Tgt Ion:117 Resp: 8904

Ion Ratio Lower Upper

117 100

119 6.1 77.5 116.3#

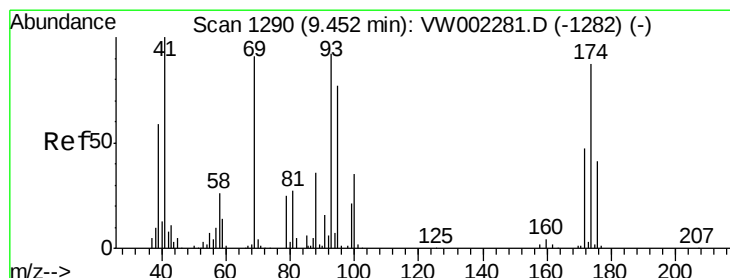
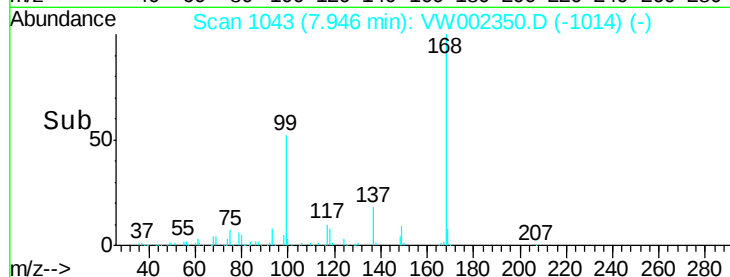
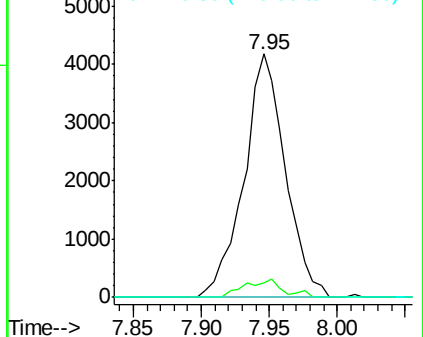
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 5.06 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VW002350.D

Acq: 10 May 2018 01:45

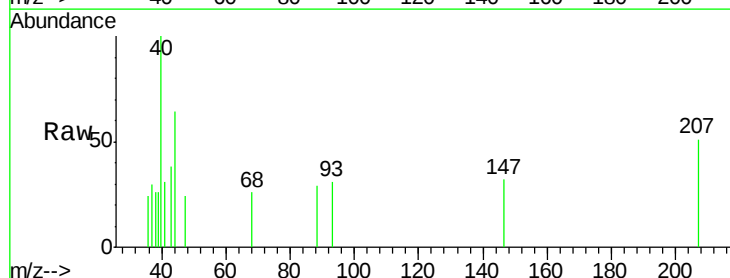
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 200.0 26.3 39.5#

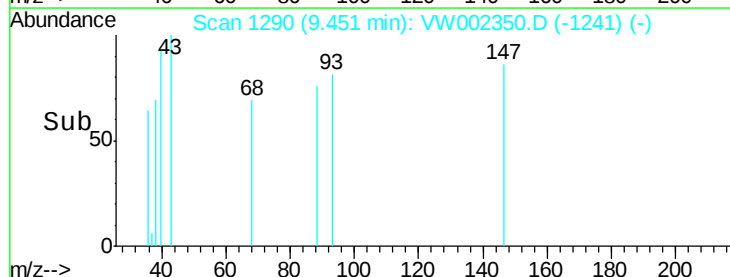
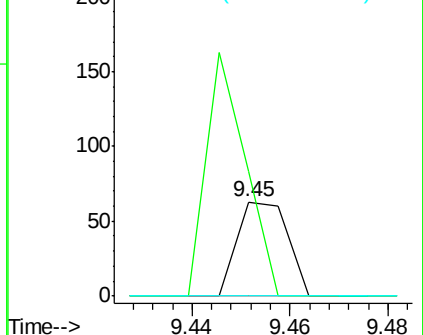
58 0.0 56.0 84.0#

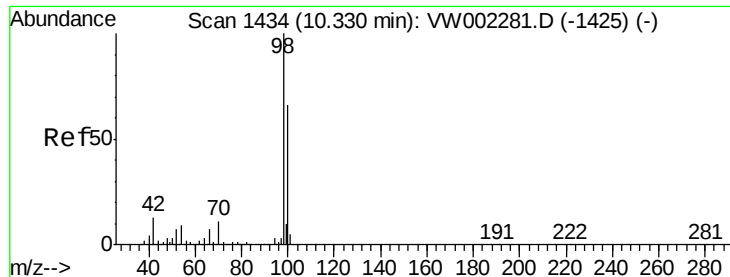


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 33.13 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002350.D

Acq: 10 May 2018 01:45

Instrument :

MSVOA_W

ClientSampleId :

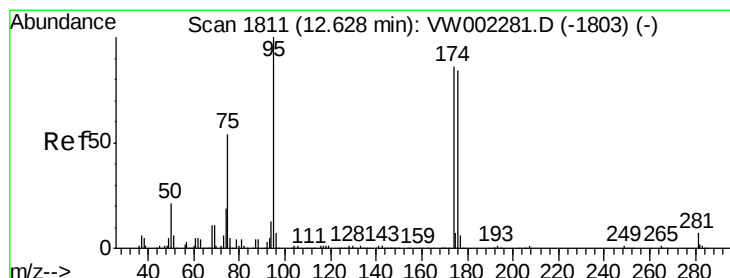
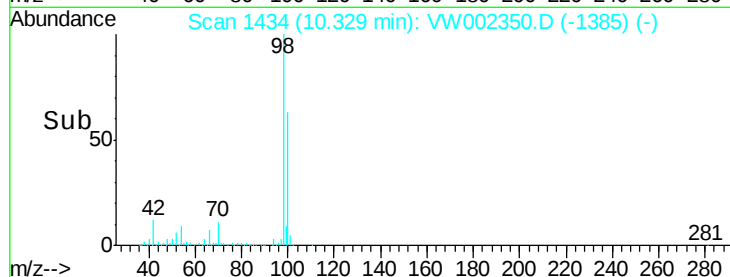
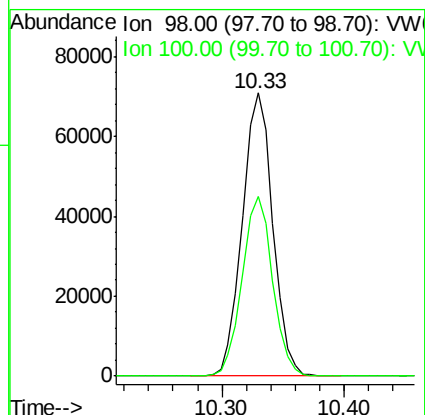
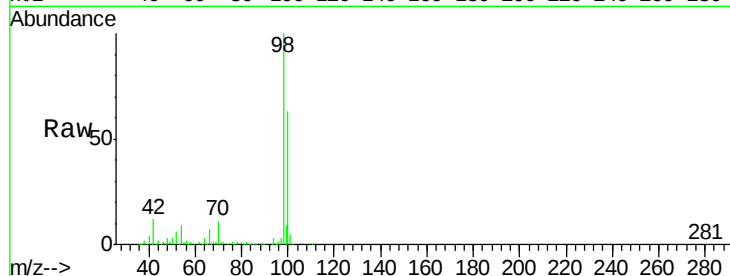
EPE-F-6A(90-92)

Tgt Ion: 98 Resp: 122342

Ion Ratio Lower Upper

98 100

100 63.4 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 15.96 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002350.D

Acq: 10 May 2018 01:45

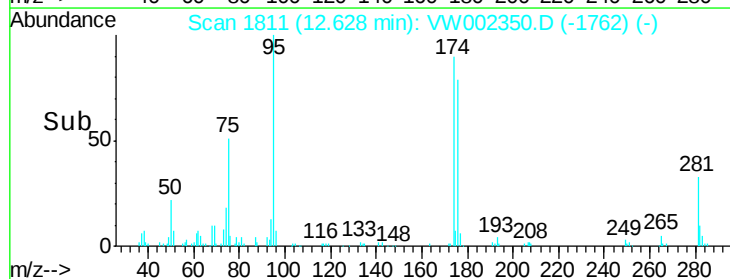
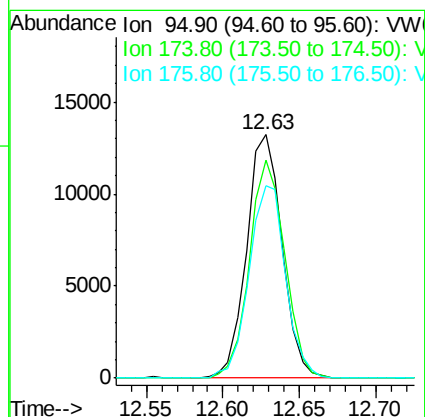
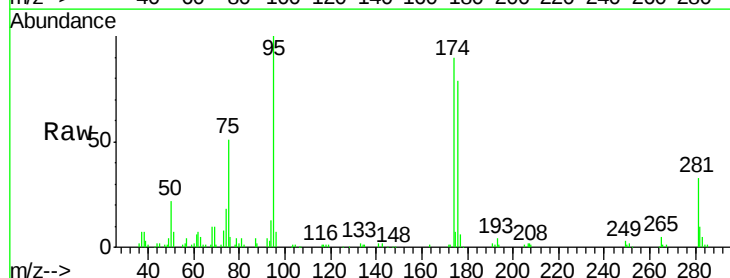
Tgt Ion: 95 Resp: 21295

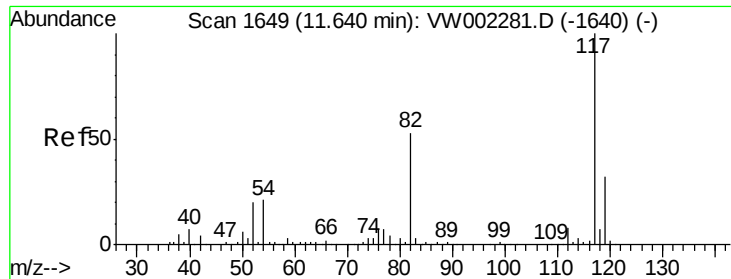
Ion Ratio Lower Upper

95 100

174 89.6 0.0 176.8

176 81.6 0.0 170.4

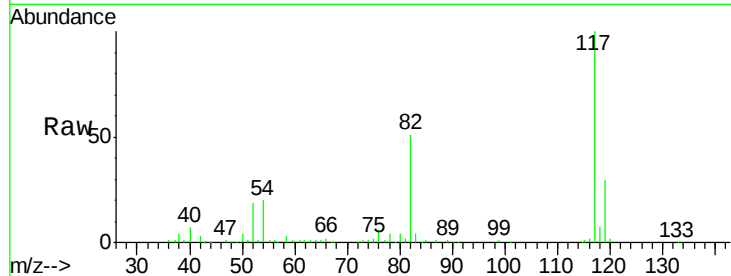




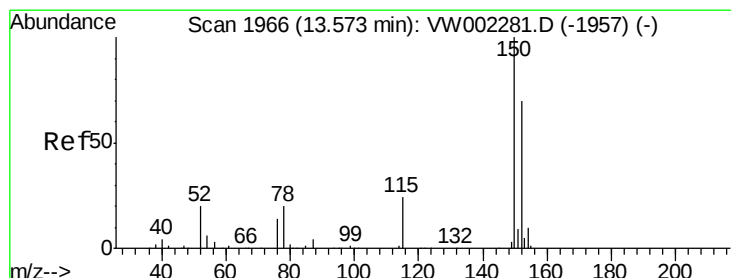
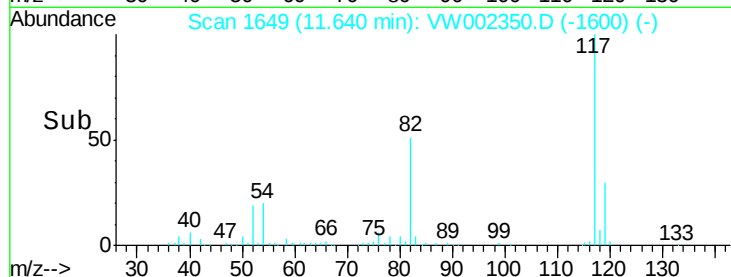
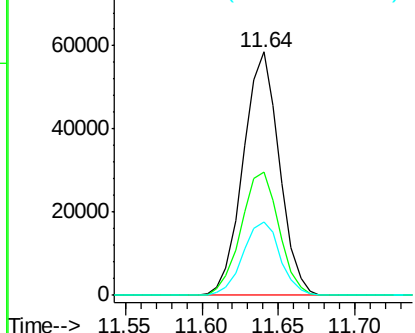
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002350.D
Acq: 10 May 2018 01:45

Instrument :
MSVOA_W
ClientSampleId :
EPE-F-6A(90-92)

Tgt Ion:117 Resp: 96204
Ion Ratio Lower Upper
117 100
82 50.8 42.6 63.8
119 30.4 25.2 37.8

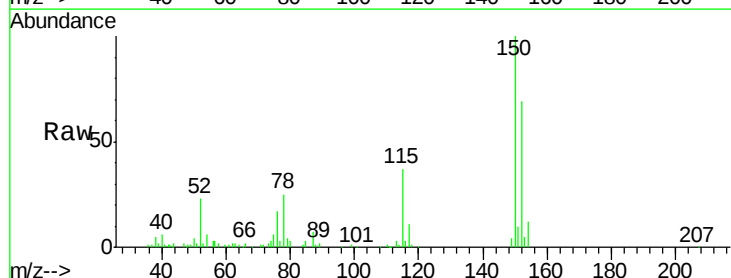


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

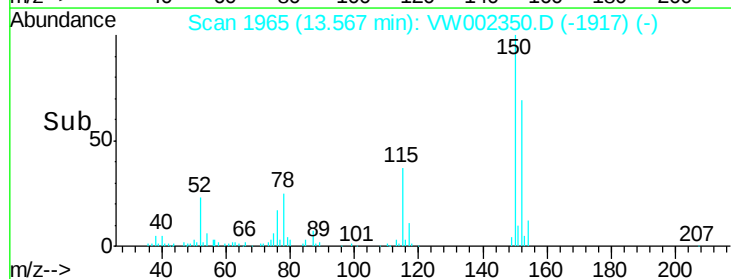
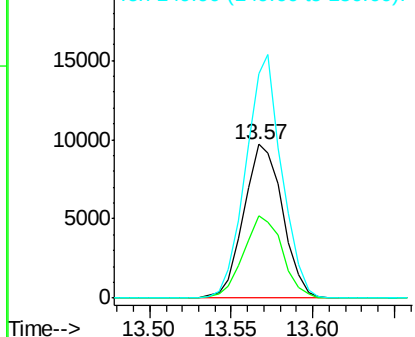


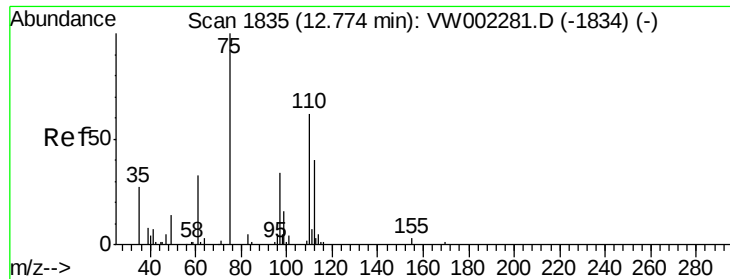
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.01 min
Lab File: VW002350.D
Acq: 10 May 2018 01:45

Tgt Ion:152 Resp: 16048
Ion Ratio Lower Upper
152 100
115 53.5 28.5 85.5
150 146.1 0.0 342.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

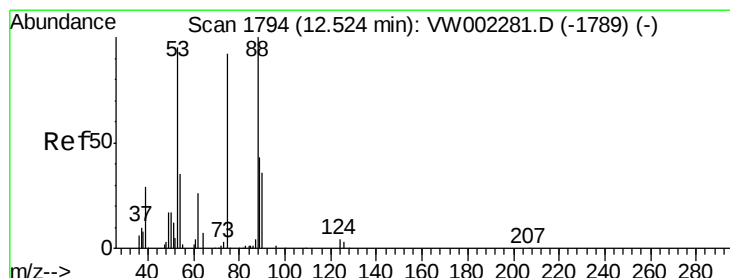
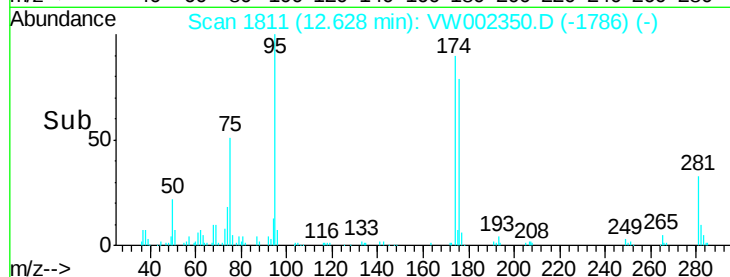
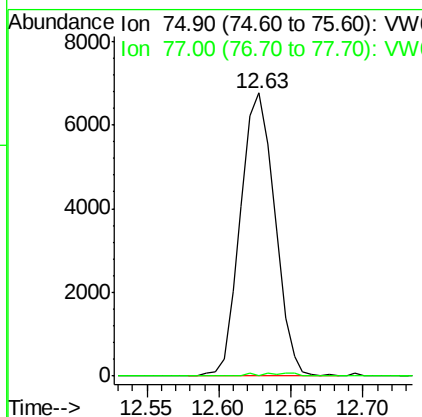
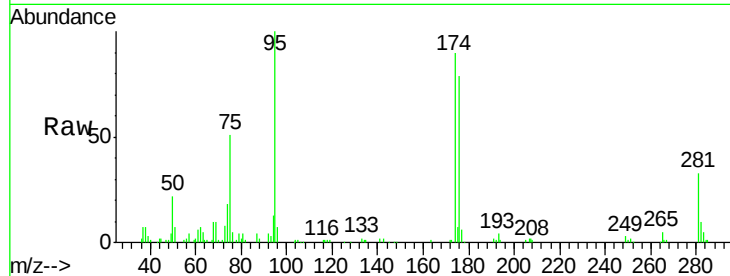




#76
 1,2,3-Trichloropropane
 Concen: 78.93 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002350.D
 Acq: 10 May 2018 01:45

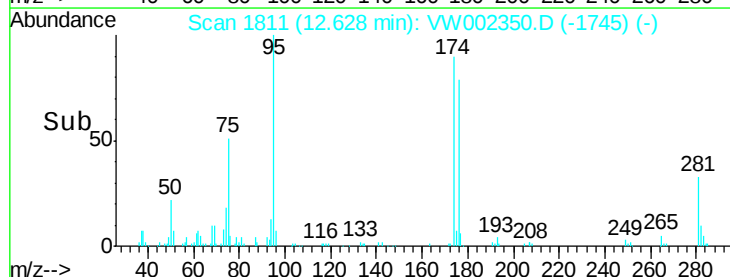
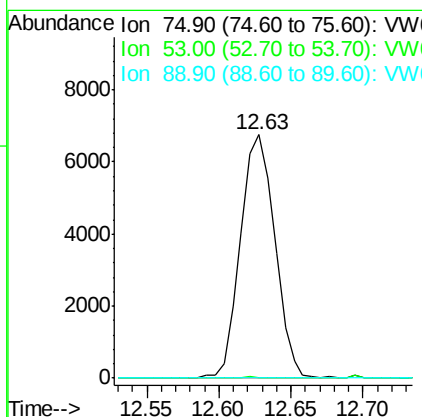
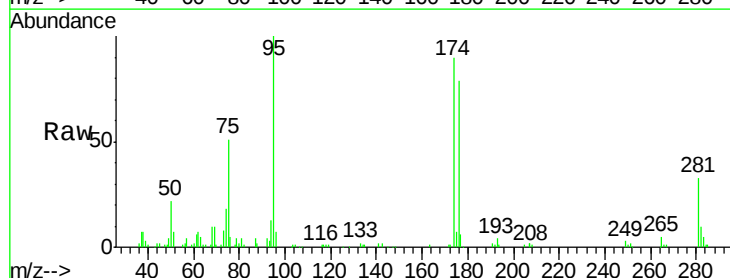
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-F-6A(90-92)

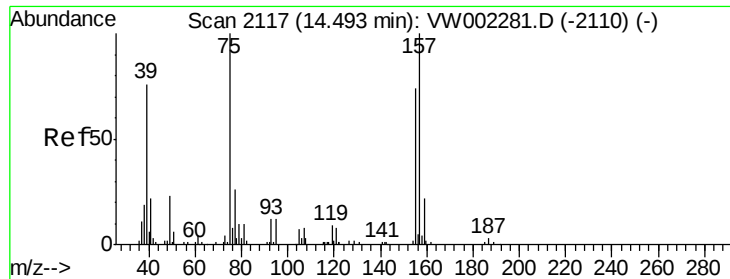
Tgt Ion: 75 Resp: 11233
 Ion Ratio Lower Upper
 75 100
 77 1.2 187.5 562.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 207.92 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002350.D
 Acq: 10 May 2018 01:45

Tgt Ion: 75 Resp: 11233
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.9 119.9#
 89 0.0 37.6 56.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.58 ug/l

RT: 14.35 min Scan# 2093

Delta R.T. -0.15 min

Lab File: VW002350.D

Acq: 10 May 2018 01:45

Instrument :

MSVOA_W

ClientSampleId :

EPE-F-6A(90-92)

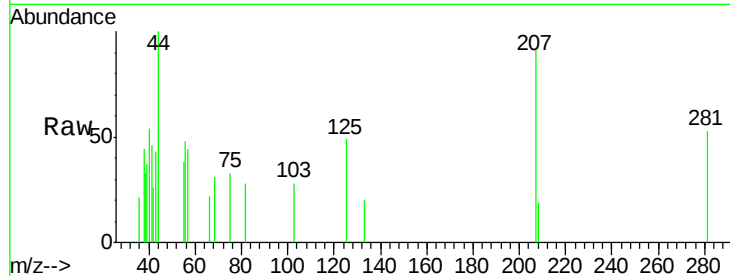
Tgt Ion: 75 Resp: 55

Ion Ratio Lower Upper

75 100

155 0.0 43.3 129.8#

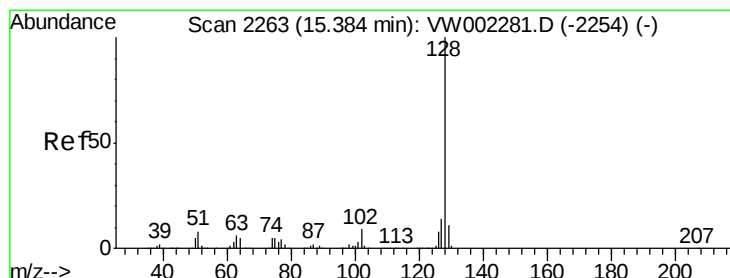
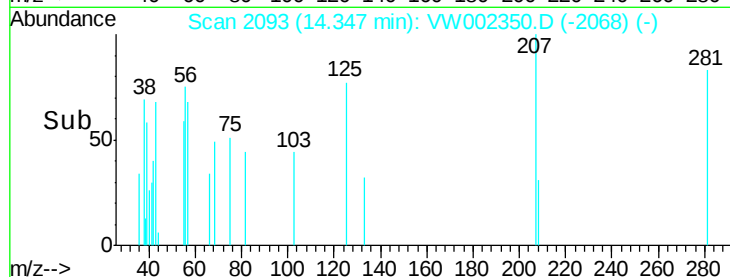
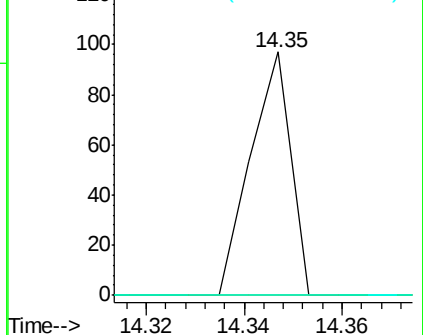
157 0.0 55.8 167.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 1.40 ug/l

RT: 15.39 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VW002350.D

Acq: 10 May 2018 01:45

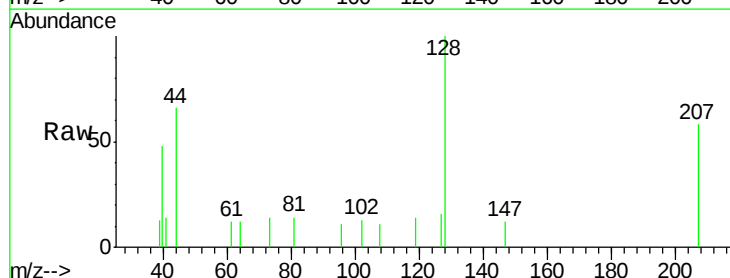
Tgt Ion: 128 Resp: 868

Ion Ratio Lower Upper

128 100

127 5.6 11.0 16.4#

129 9.0 8.7 13.1



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

