

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061518\
 Data File : VW003281.D
 Acq On : 15 Jun 2018 03:25
 Operator : VA/AP
 Sample : J3458-03
 Misc : 6.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-105-5(10-12)

Quant Time: Jun 15 06:50:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	129779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	200827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	183077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	95425	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	60097	42.75	ug/l	0.00
Spiked Amount			Recovery	=	85.50%	
35) Dibromofluoromethane	7.89	113	52205	41.83	ug/l	0.00
Spiked Amount			Recovery	=	83.66%	
50) Toluene-d8	10.33	98	154480	31.22	ug/l	0.00
Spiked Amount			Recovery	=	62.44%	
62) 4-Bromofluorobenzene	12.63	95	68005	38.84	ug/l	0.00
Spiked Amount			Recovery	=	77.68%	

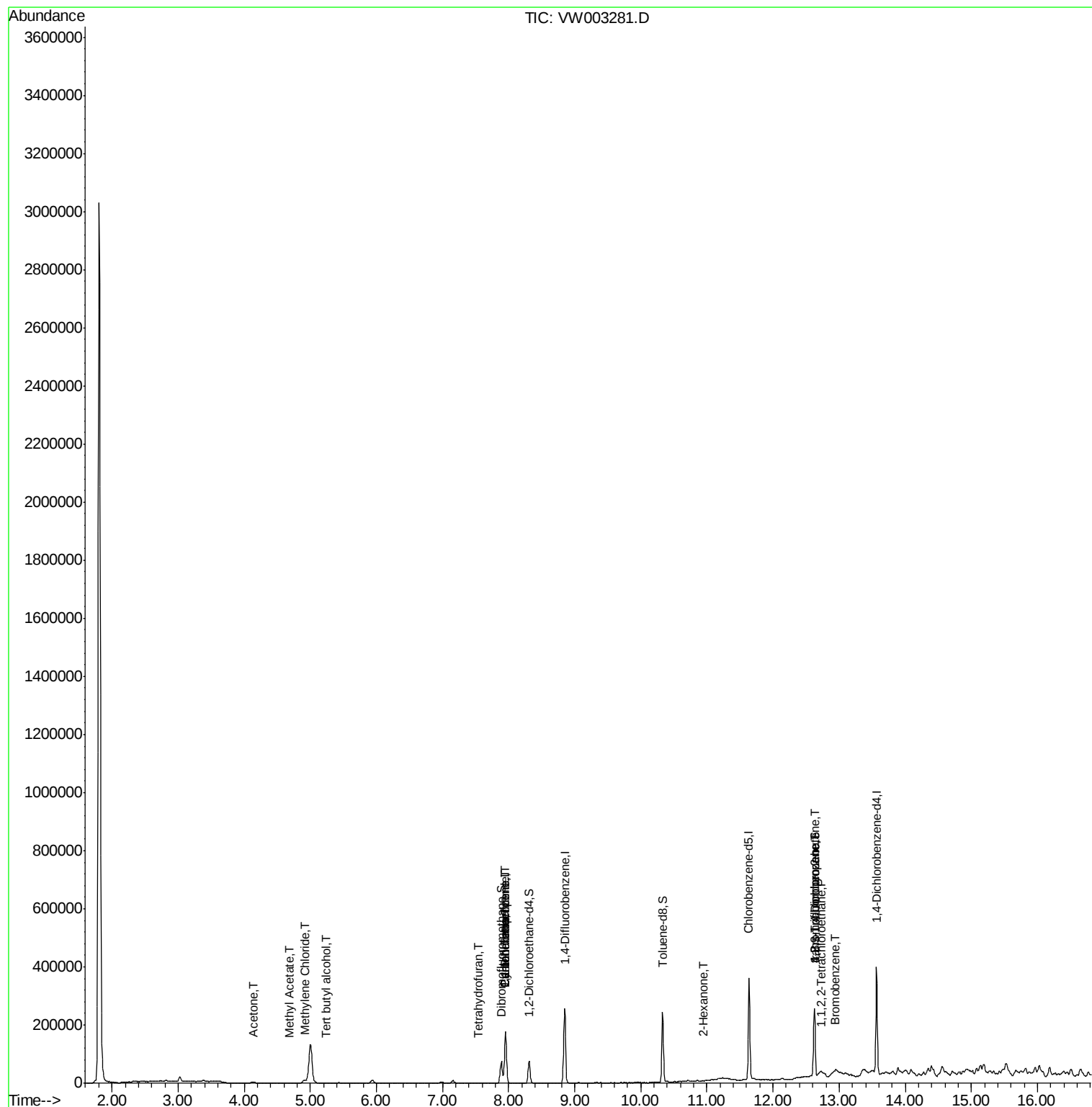
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	79	1.048	ug/l #	84
16) Acetone	4.14	43	6513	22.092	ug/l #	87
18) Methyl Acetate	4.68	43	771	1.102	ug/l #	52
20) Methylene Chloride	4.92	84	6940	2.019	ug/l	87
29) Tetrahydrofuran	7.54	42	606	2.705	ug/l #	54
31) Cyclohexane	7.96	56	3370	1.484	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	10547	5.438	ug/l #	51
38) Carbon Tetrachloride	7.95	117	12920	6.791	ug/l #	18
59) 2-Hexanone	10.95	43	687	1.210	ug/l #	27
75) 1,1,2,2-Tetrachloroethane	12.73	83	1736	1.546	ug/l #	34
76) 1,2,3-Trichloropropane	12.62	75	38512	47.209	ug/l #	100
77) Bromobenzene	12.94	156	20488	13.255	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	38512	108.631	ug/l #	9

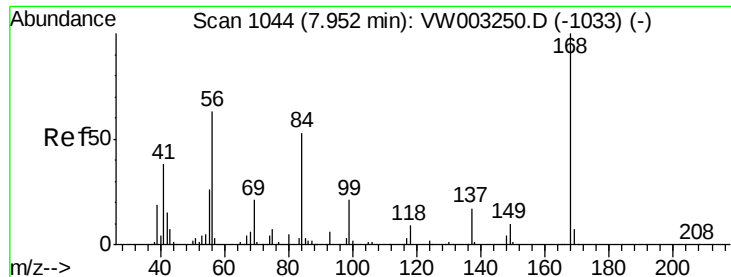
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003281.D

Acq: 15 Jun 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

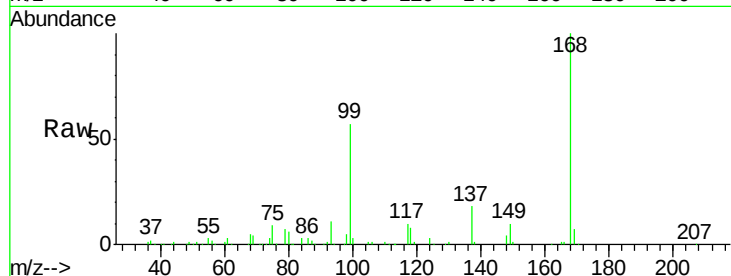
EPE-105-5(10-12)

Tgt Ion:168 Resp: 129779

Ion Ratio Lower Upper

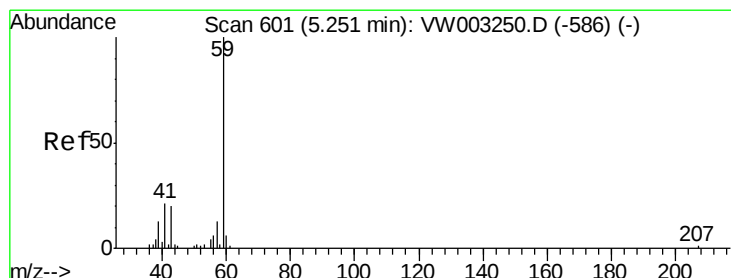
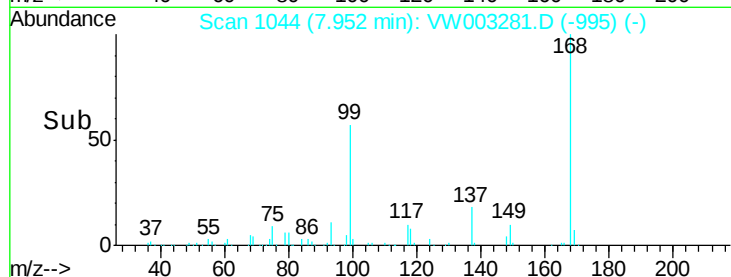
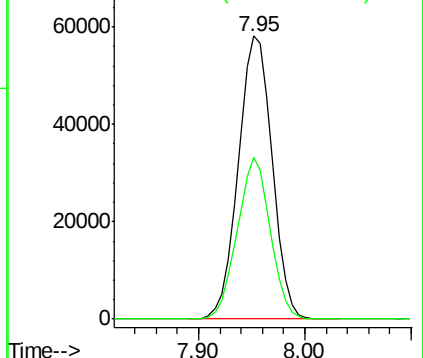
168 100

99 57.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.048 ug/l

RT: 5.24 min Scan# 599

Delta R.T. -0.01 min

Lab File: VW003281.D

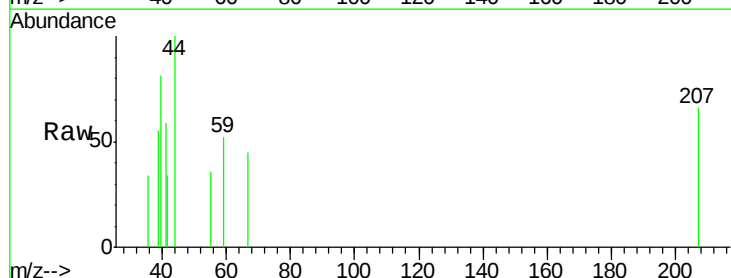
Acq: 15 Jun 2018 03:25

Tgt Ion: 59 Resp: 79

Ion Ratio Lower Upper

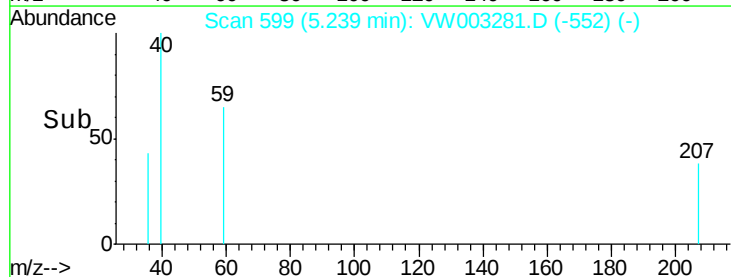
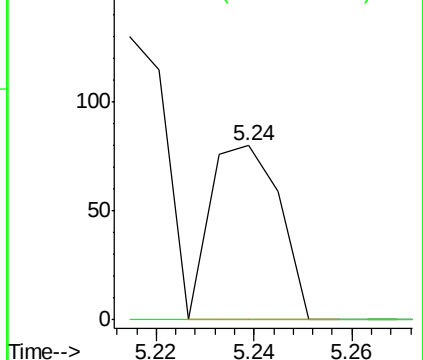
59 100

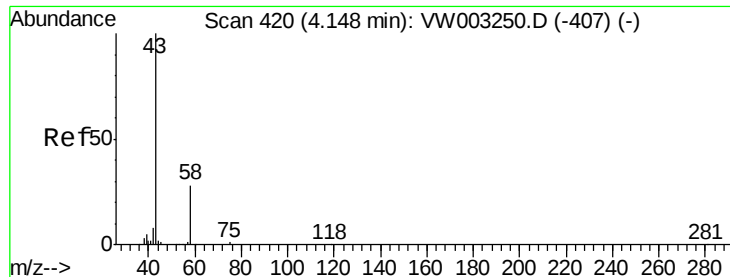
57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 22.092 ug/l

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003281.D

Acq: 15 Jun 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

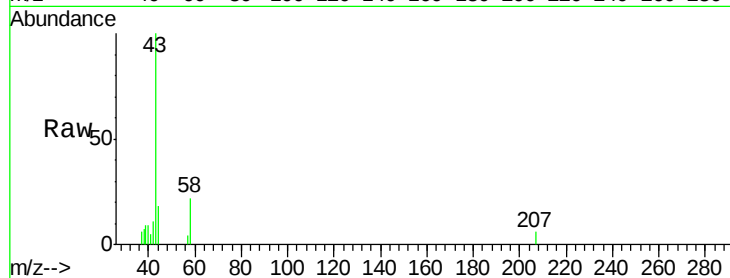
EPE-105-5(10-12)

Tgt Ion: 43 Resp: 6513

Ion Ratio Lower Upper

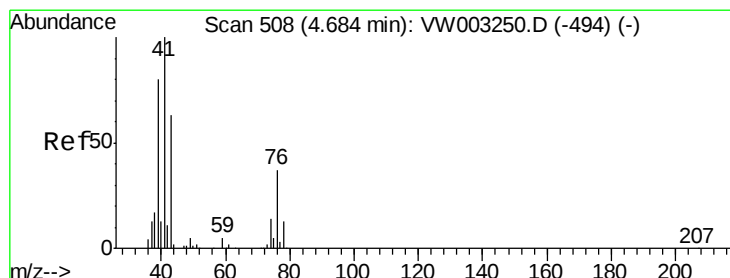
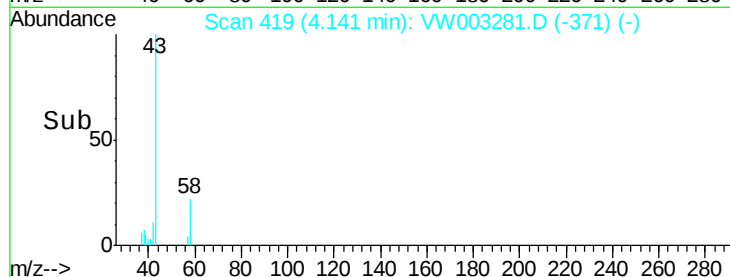
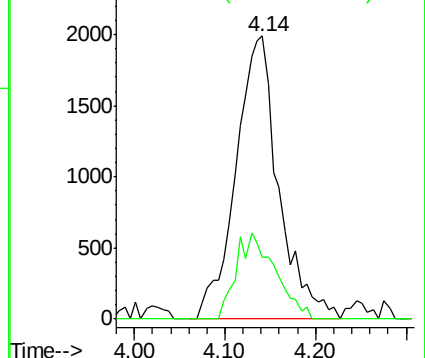
43 100

58 21.7 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.102 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.00 min

Lab File: VW003281.D

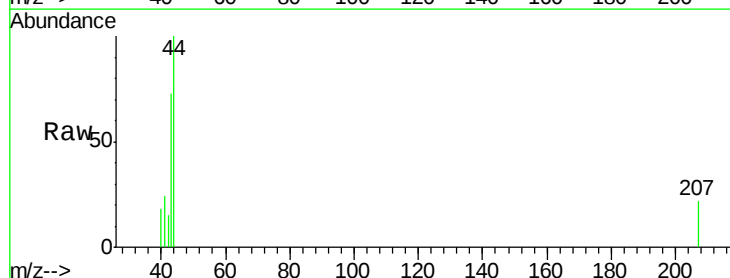
Acq: 15 Jun 2018 03:25

Tgt Ion: 43 Resp: 771

Ion Ratio Lower Upper

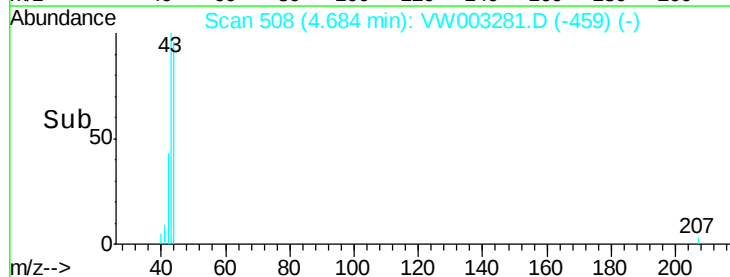
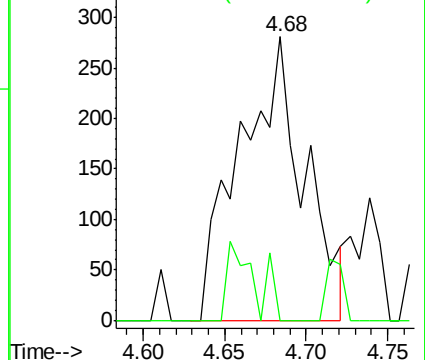
43 100

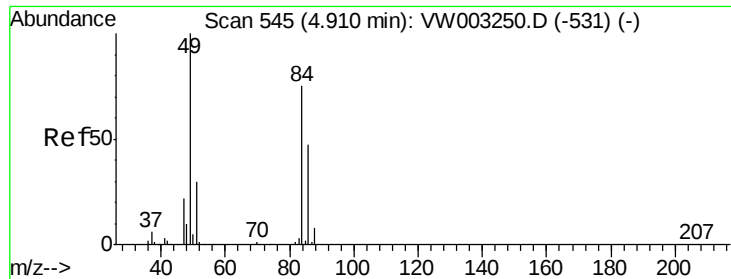
74 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: 2.019 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003281.D

Acq: 15 Jun 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

EPE-105-5(10-12)

Tgt Ion: 84 Resp: 6940

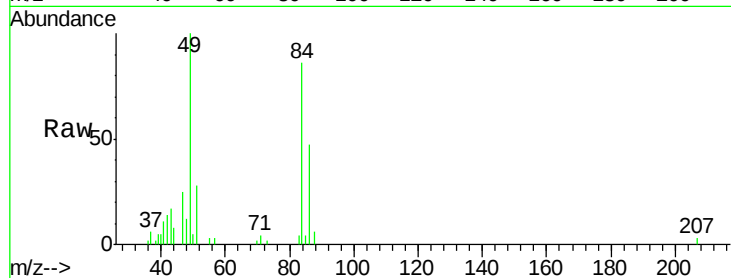
Ion Ratio Lower Upper

84 100

49 116.0 106.3 159.5

51 32.7 32.0 48.0

86 55.1 49.9 74.9

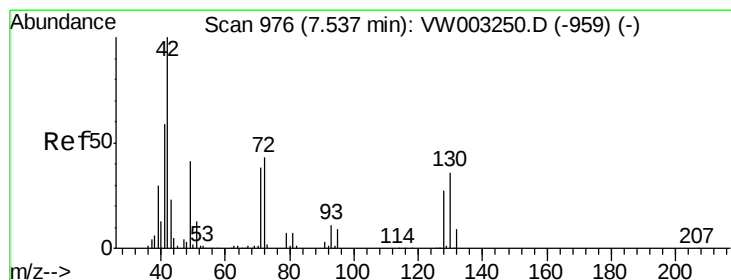
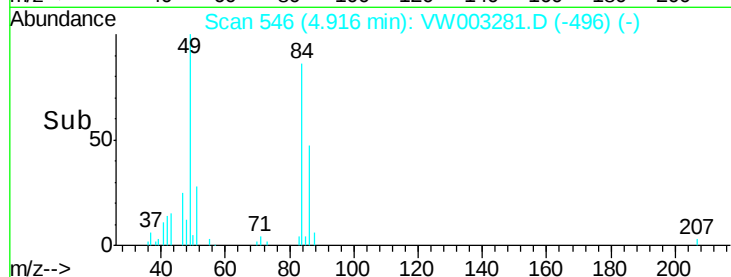
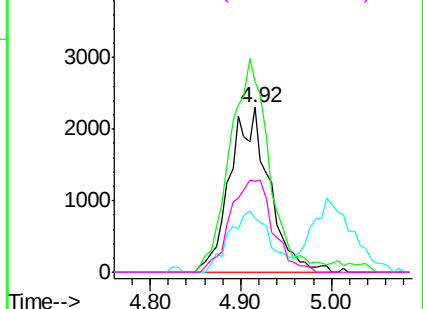


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29

Tetrahydrofuran

Concen: 2.705 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003281.D

Acq: 15 Jun 2018 03:25

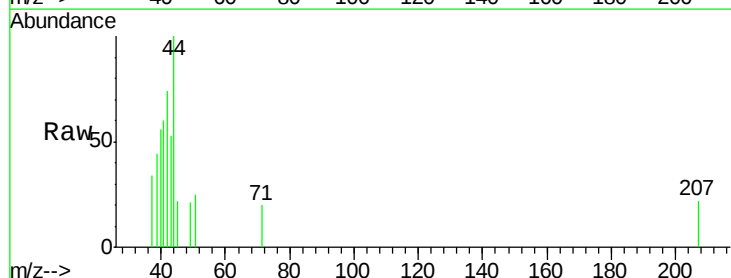
Tgt Ion: 42 Resp: 606

Ion Ratio Lower Upper

42 100

72 16.5 32.4 48.6#

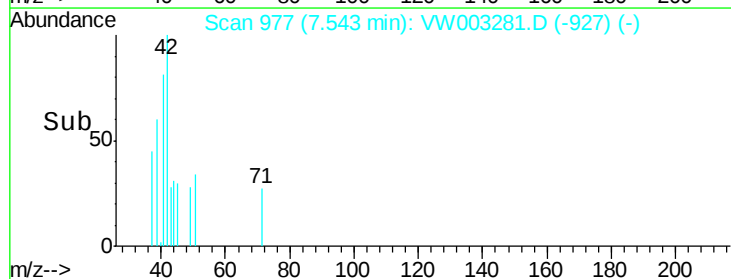
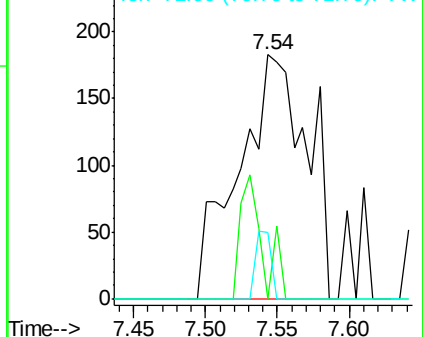
71 6.1 31.2 46.8#

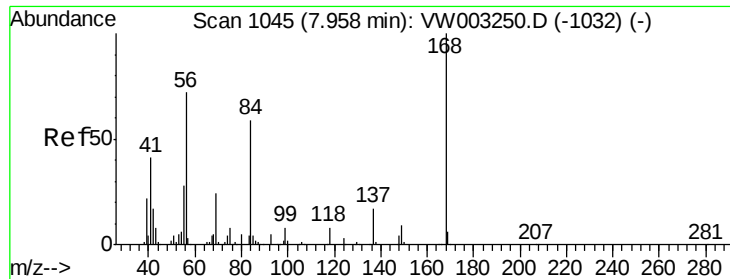


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

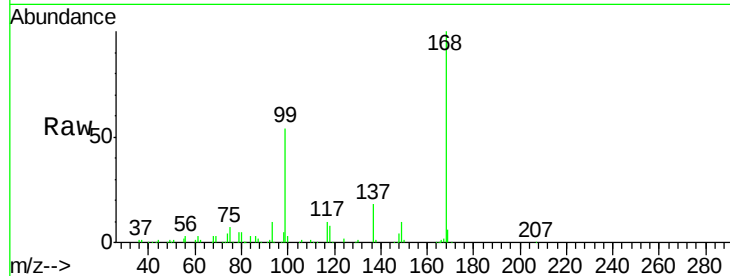




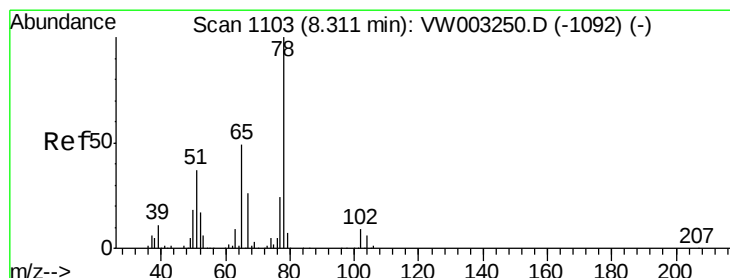
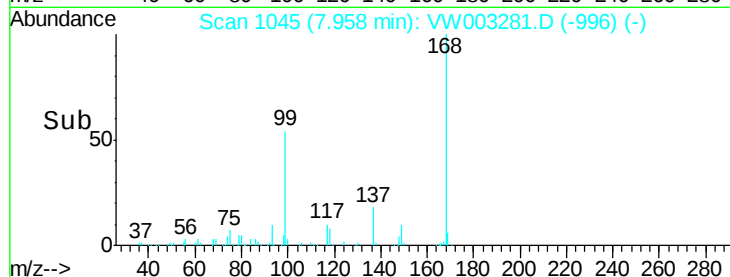
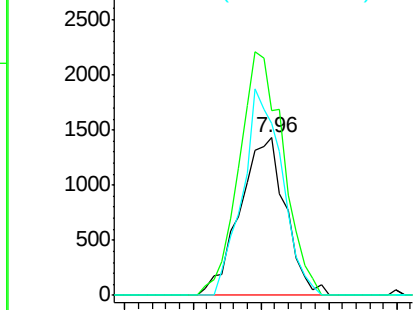
#31
Cyclohexane
Concen: 1.484 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW003281.D
Acq: 15 Jun 2018 03:25

Instrument :
MSVOA_W
ClientSampleId :
EPE-105-5(10-12)

Tgt Ion: 56 Resp: 3370
Ion Ratio Lower Upper
56 100
69 117.6 26.3 39.5#
84 109.1 65.7 98.5#

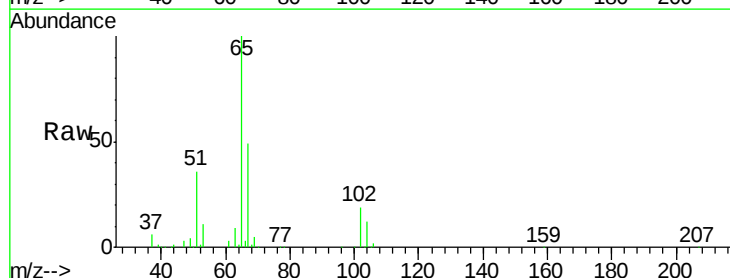


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

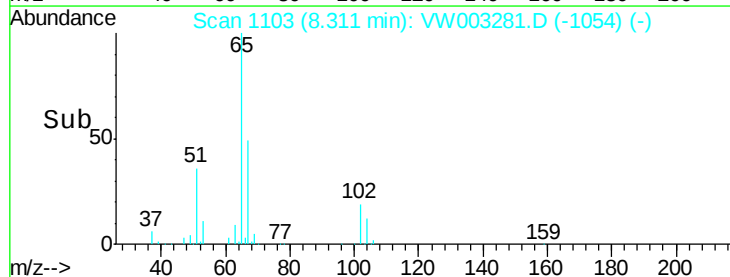
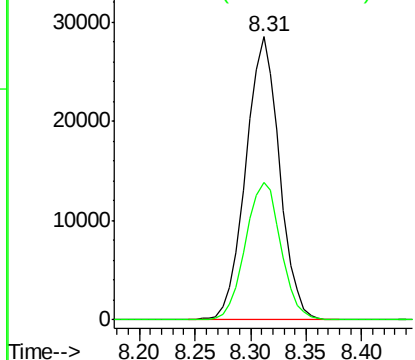


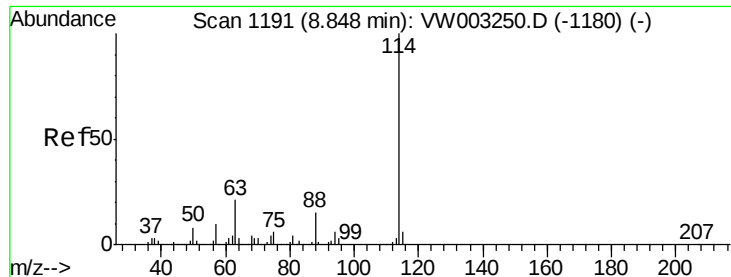
#33
1,2-Dichloroethane-d4
Concen: 42.752 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW003281.D
Acq: 15 Jun 2018 03:25

Tgt Ion: 65 Resp: 60097
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

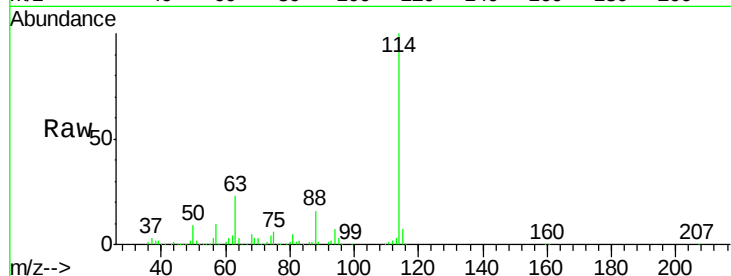




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003281.D
 Acq: 15 Jun 2018 03:25

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-105-5(10-12)

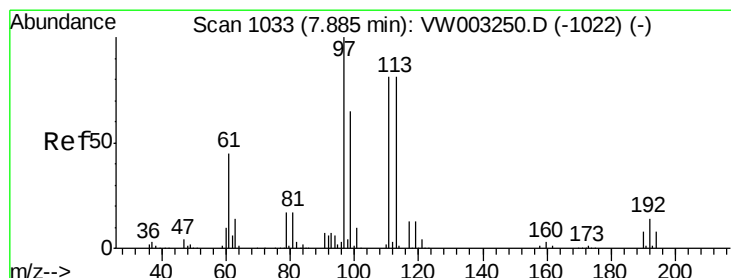
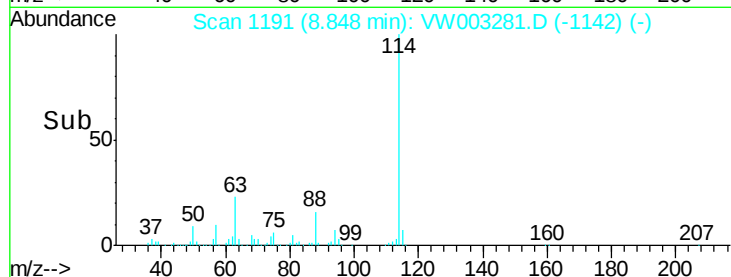
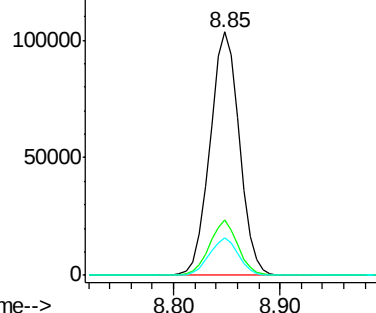
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	43.0
88	15.6	0.0	29.6



Abundance Ion 113.90 (113.60 to 114.60): V

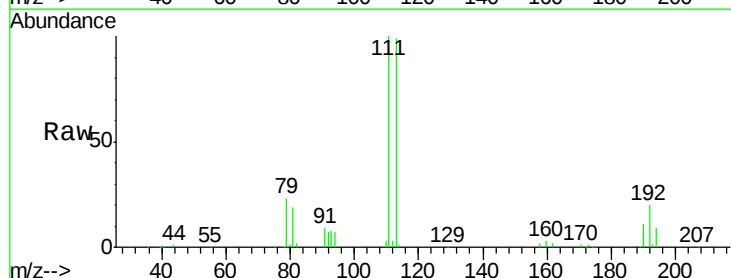
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 41.835 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003281.D
 Acq: 15 Jun 2018 03:25

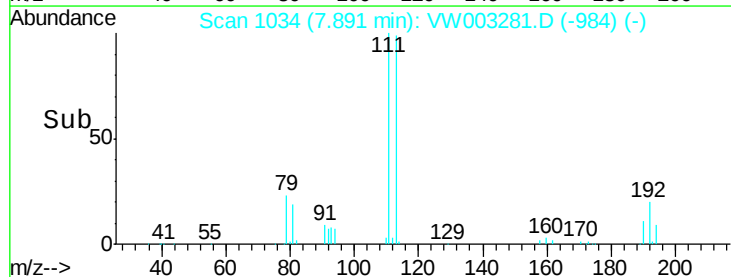
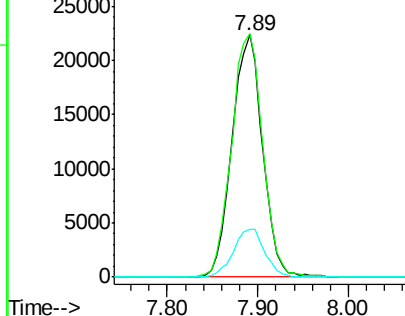
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.2
192	20.4	16.2	24.2

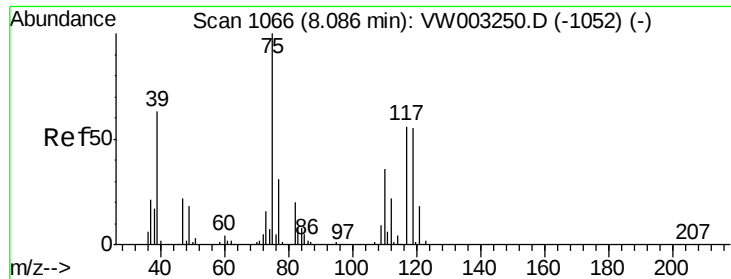


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

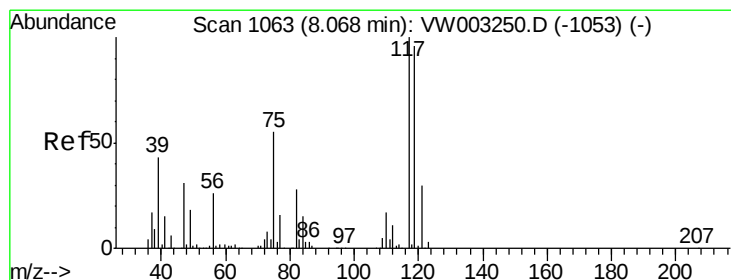
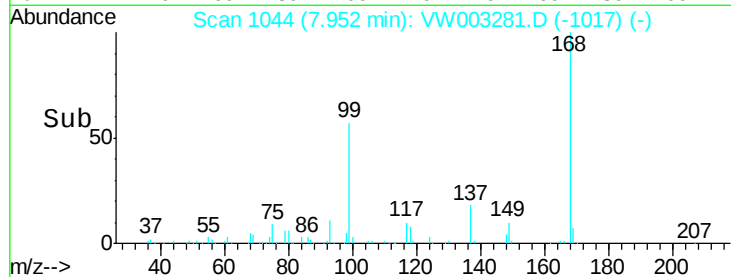
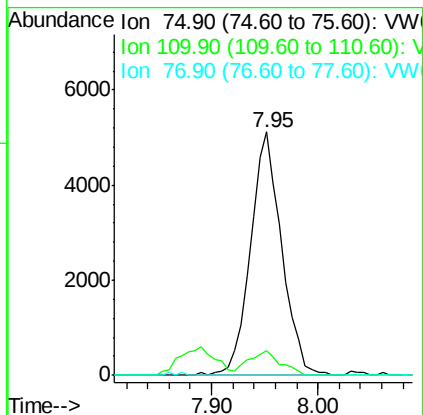
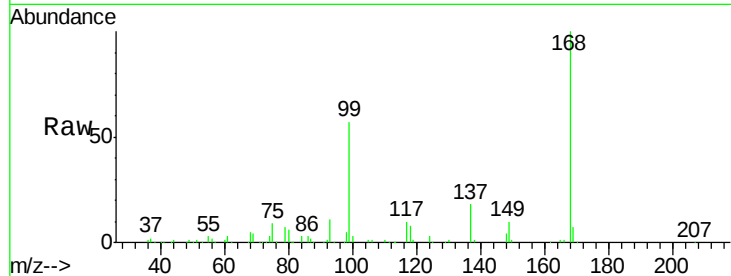




#36
 1,1-Dichloropropene
 Concen: 5.438 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003281.D
 Acq: 15 Jun 2018 03:25

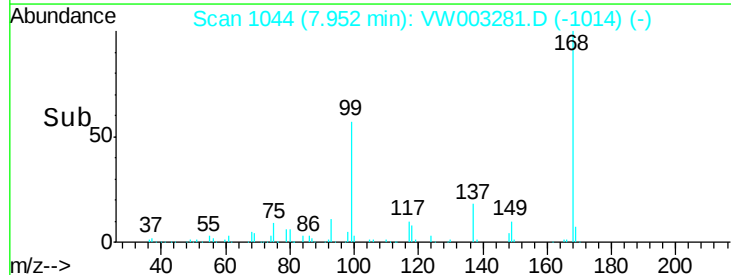
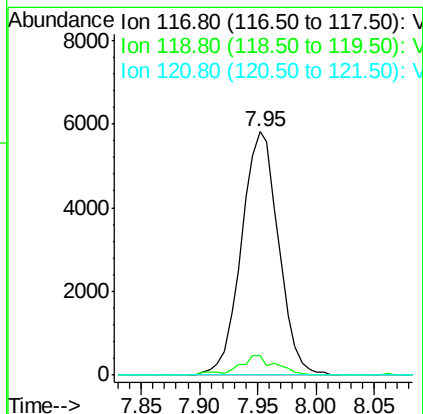
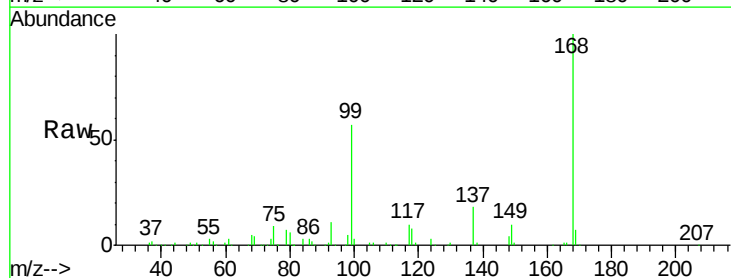
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-105-5(10-12)

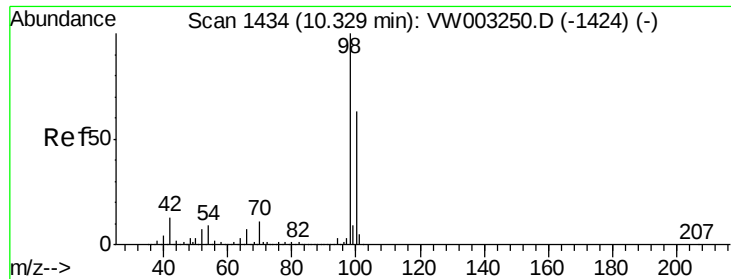
Tgt Ion: 75 Resp: 10547
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.1 51.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.791 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003281.D
 Acq: 15 Jun 2018 03:25

Tgt Ion: 117 Resp: 12920
 Ion Ratio Lower Upper
 117 100
 119 8.1 76.6 115.0#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 31.220 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003281.D

Acq: 15 Jun 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

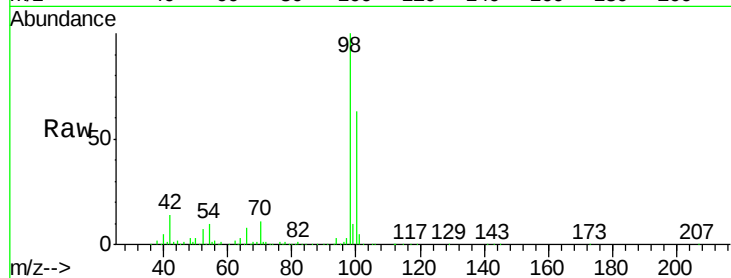
EPE-105-5(10-12)

Tgt Ion: 98 Resp: 154480

Ion Ratio Lower Upper

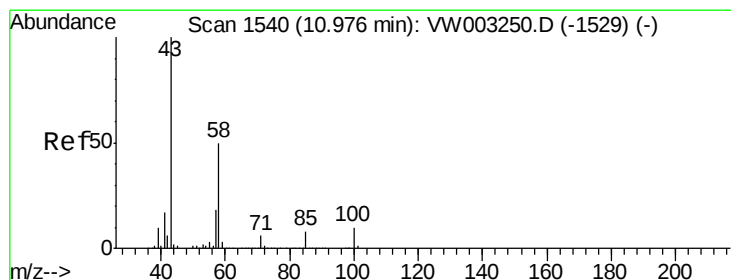
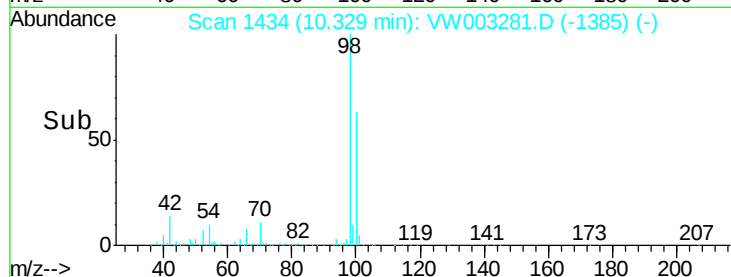
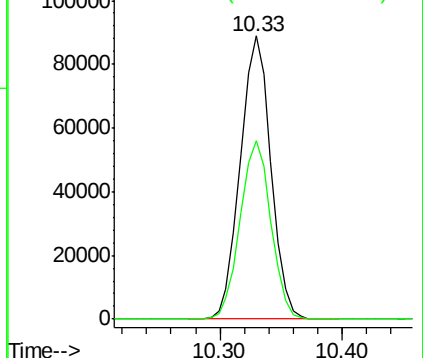
98 100

100 63.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#59

2-Hexanone

Concen: 1.210 ug/l

RT: 10.95 min Scan# 1536

Delta R.T. -0.02 min

Lab File: VW003281.D

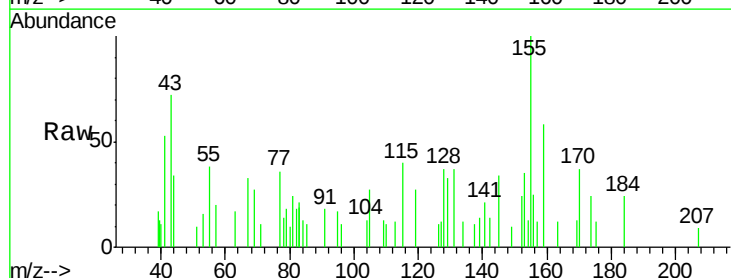
Acq: 15 Jun 2018 03:25

Tgt Ion: 43 Resp: 687

Ion Ratio Lower Upper

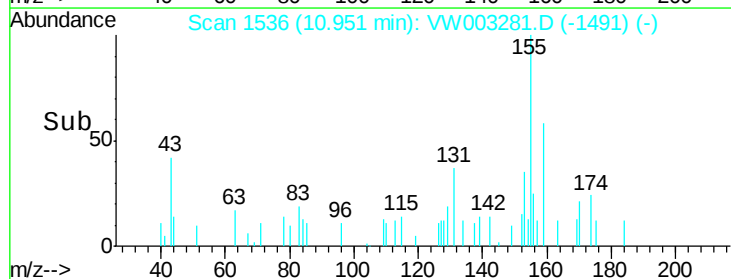
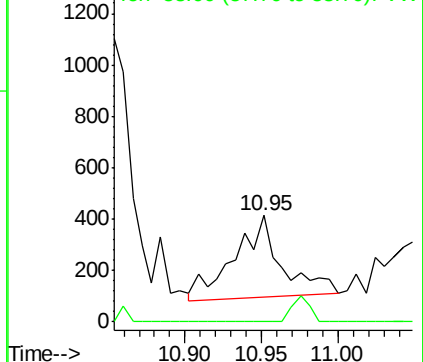
43 100

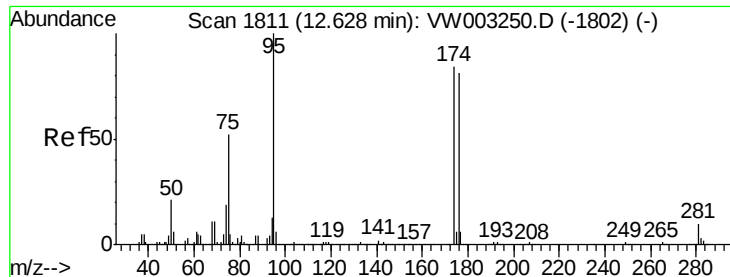
58 0.0 25.0 75.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 38.836 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003281.D

Acq: 15 Jun 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

EPE-105-5(10-12)

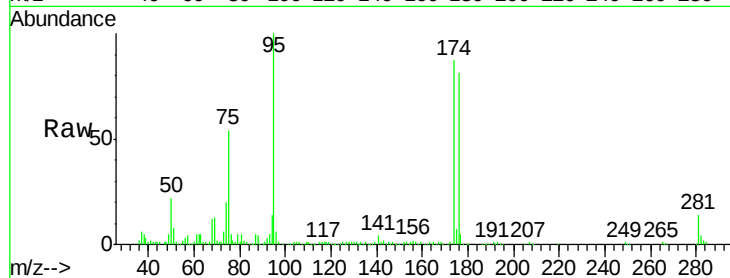
Tgt Ion: 95 Resp: 68005

Ion Ratio Lower Upper

95 100

174 85.1 0.0 166.4

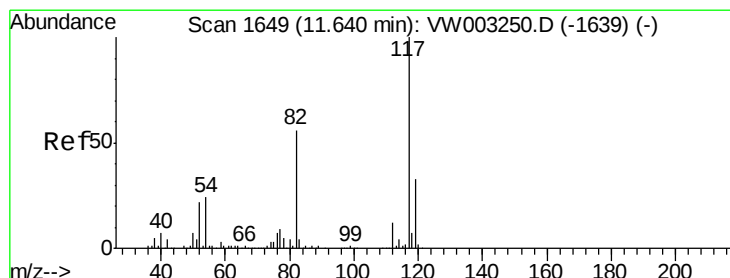
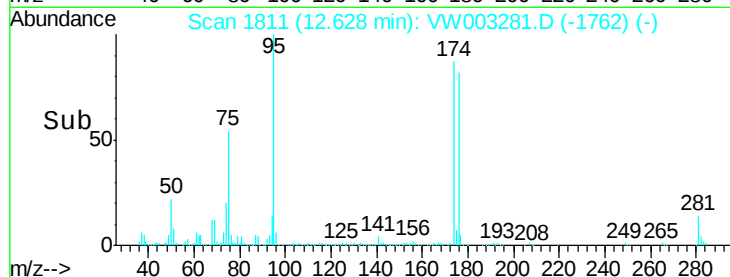
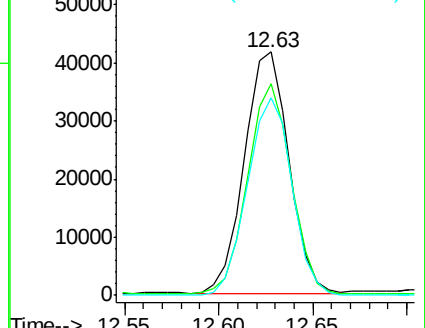
176 82.0 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VW003281.D

Acq: 15 Jun 2018 03:25

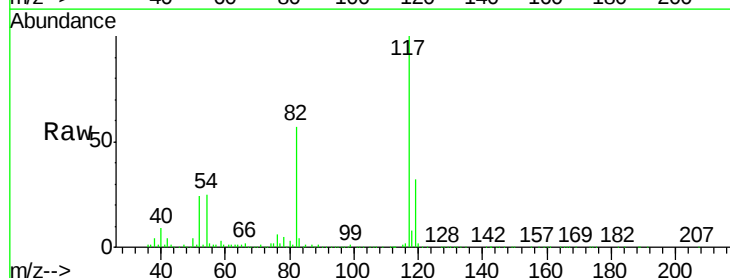
Tgt Ion: 117 Resp: 183077

Ion Ratio Lower Upper

117 100

82 56.8 44.6 67.0

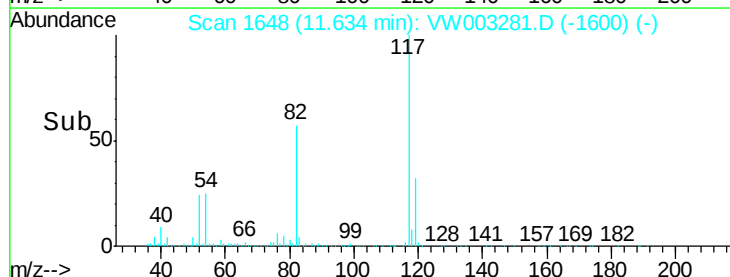
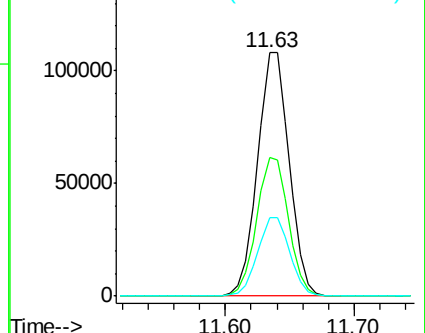
119 32.3 26.7 40.1

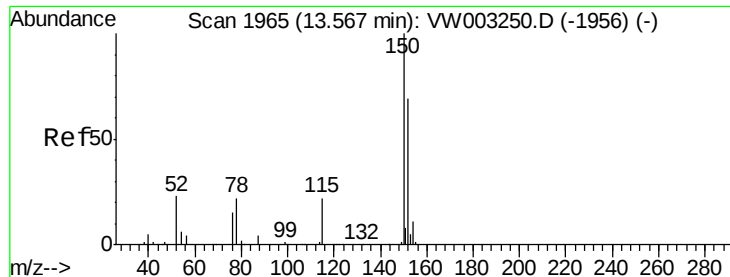


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003281.D

Acq: 15 Jun 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

EPE-105-5(10-12)

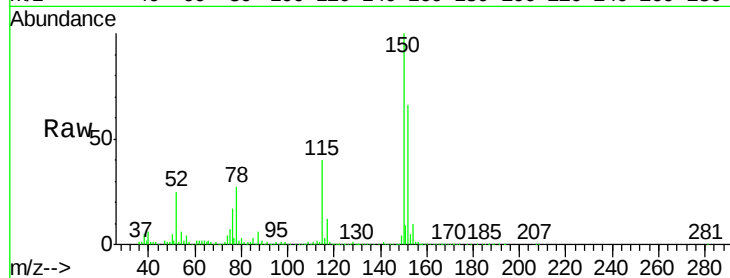
Tgt Ion: 152 Resp: 95425

Ion Ratio Lower Upper

152 100

115 58.8 29.3 88.0

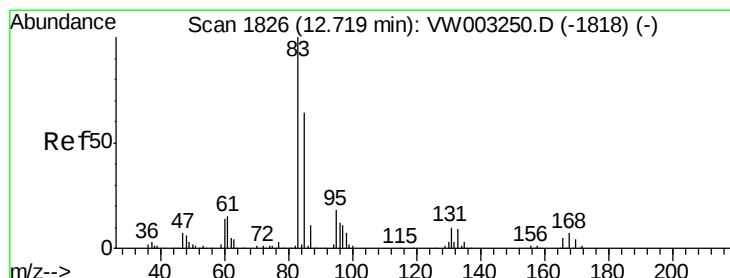
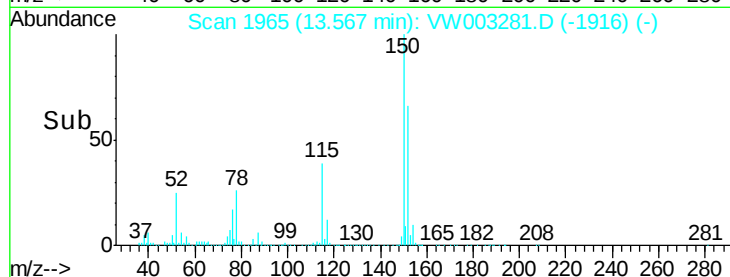
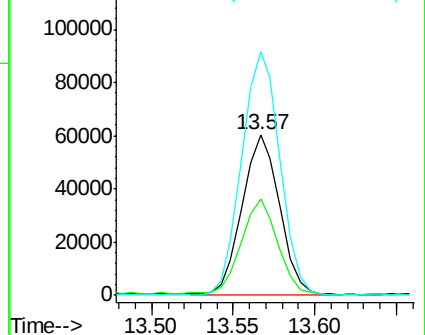
150 156.1 0.0 349.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.546 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VW003281.D

Acq: 15 Jun 2018 03:25

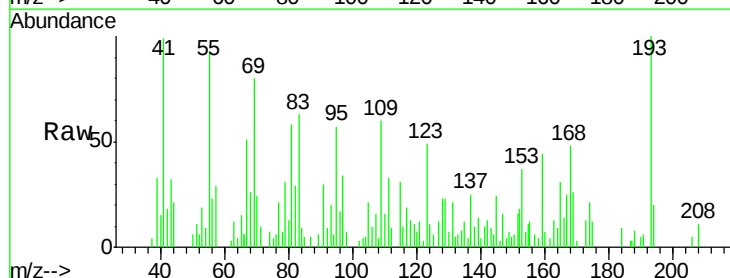
Tgt Ion: 83 Resp: 1736

Ion Ratio Lower Upper

83 100

131 19.5 5.4 16.2#

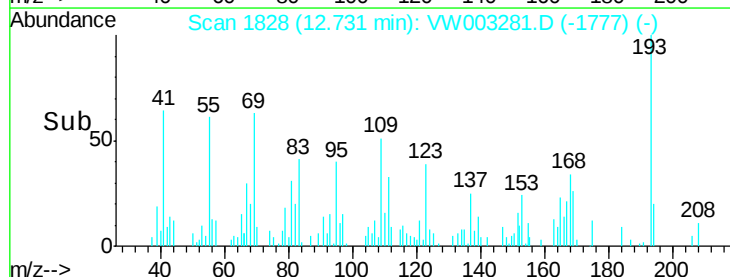
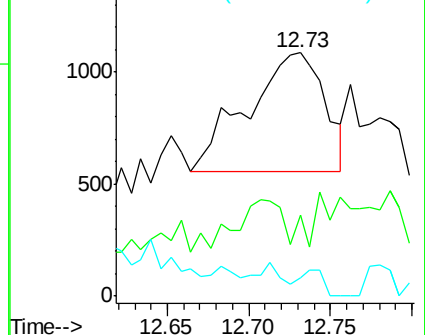
85 6.5 31.9 95.7#

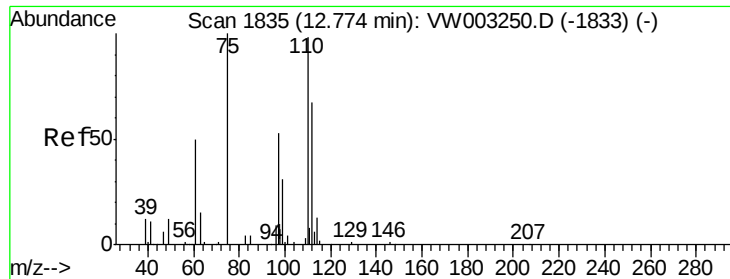


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

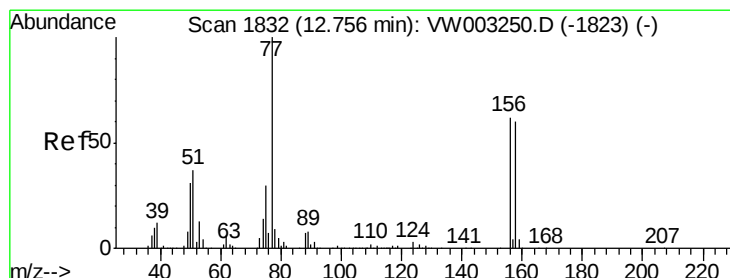
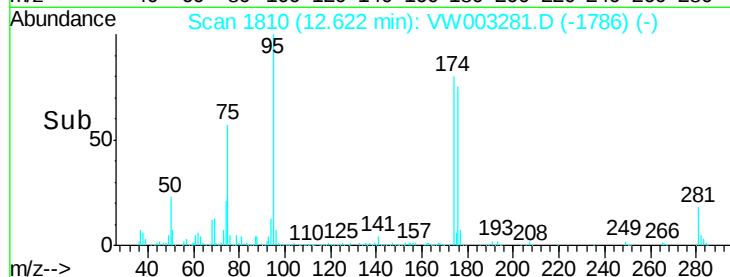
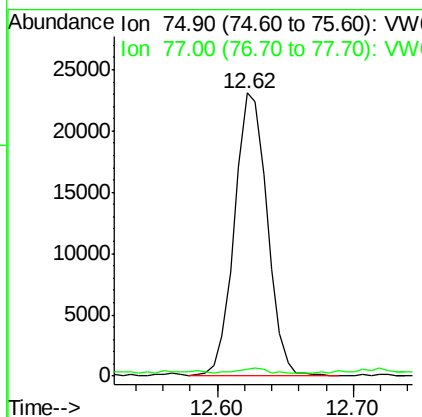
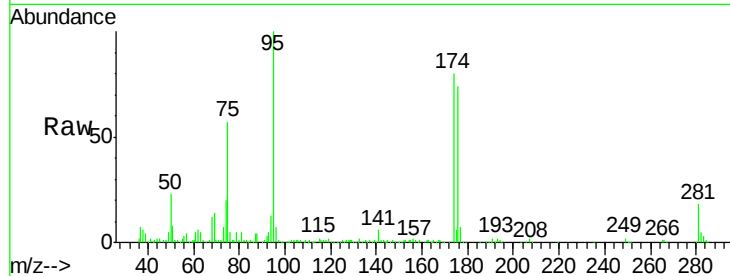




#76
 1,2,3-Trichloropropane
 Concen: 47.209 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003281.D
 Acq: 15 Jun 2018 03:25

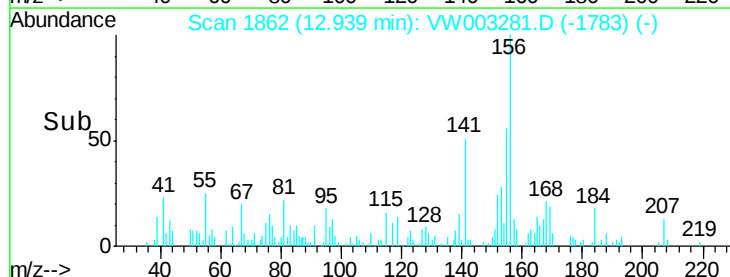
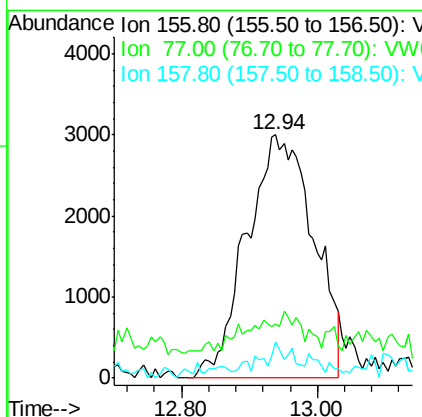
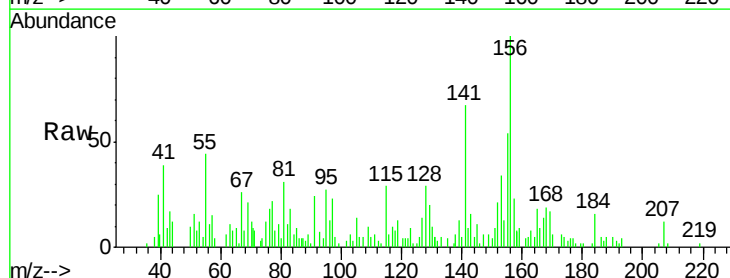
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-105-5(10-12)

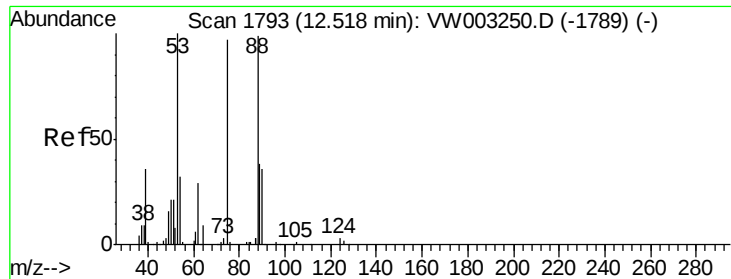
Tgt Ion: 75 Resp: 38512
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#77
 Bromobenzene
 Concen: 13.255 ug/l
 RT: 12.94 min Scan# 1862
 Delta R.T. 0.18 min
 Lab File: VW003281.D
 Acq: 15 Jun 2018 03:25

Tgt Ion: 156 Resp: 20488
 Ion Ratio Lower Upper
 156 100
 77 2.4 92.3 276.9#
 158 1.3 47.5 142.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 108.631 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003281.D

Acq: 15 Jun 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

EPE-105-5(10-12)

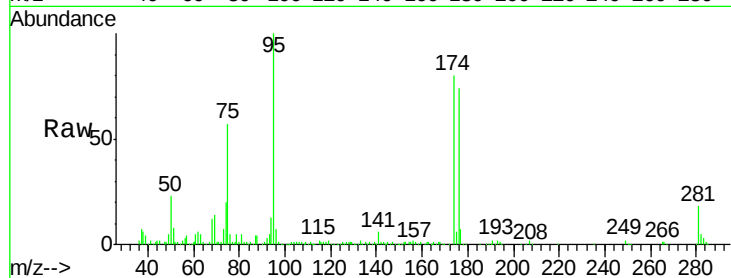
Tgt Ion: 75 Resp: 38512

Ion Ratio Lower Upper

75 100

53 0.4 82.9 124.3#

89 0.5 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

