

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062718\
 Data File : VW003586.D
 Acq On : 26 Jun 2018 23:40
 Operator : SY/AP
 Sample : J3665-01
 Misc : 4.97G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-105-4(90-92)

Quant Time: Jun 27 07:55:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	145252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	251358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	237804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	114066	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	72244	45.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.84%	
35) Dibromofluoromethane	7.88	113	63388	40.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.16%	
50) Toluene-d8	10.33	98	201329	32.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	65.02%	
62) 4-Bromofluorobenzene	12.63	95	73148	33.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	66.76%	

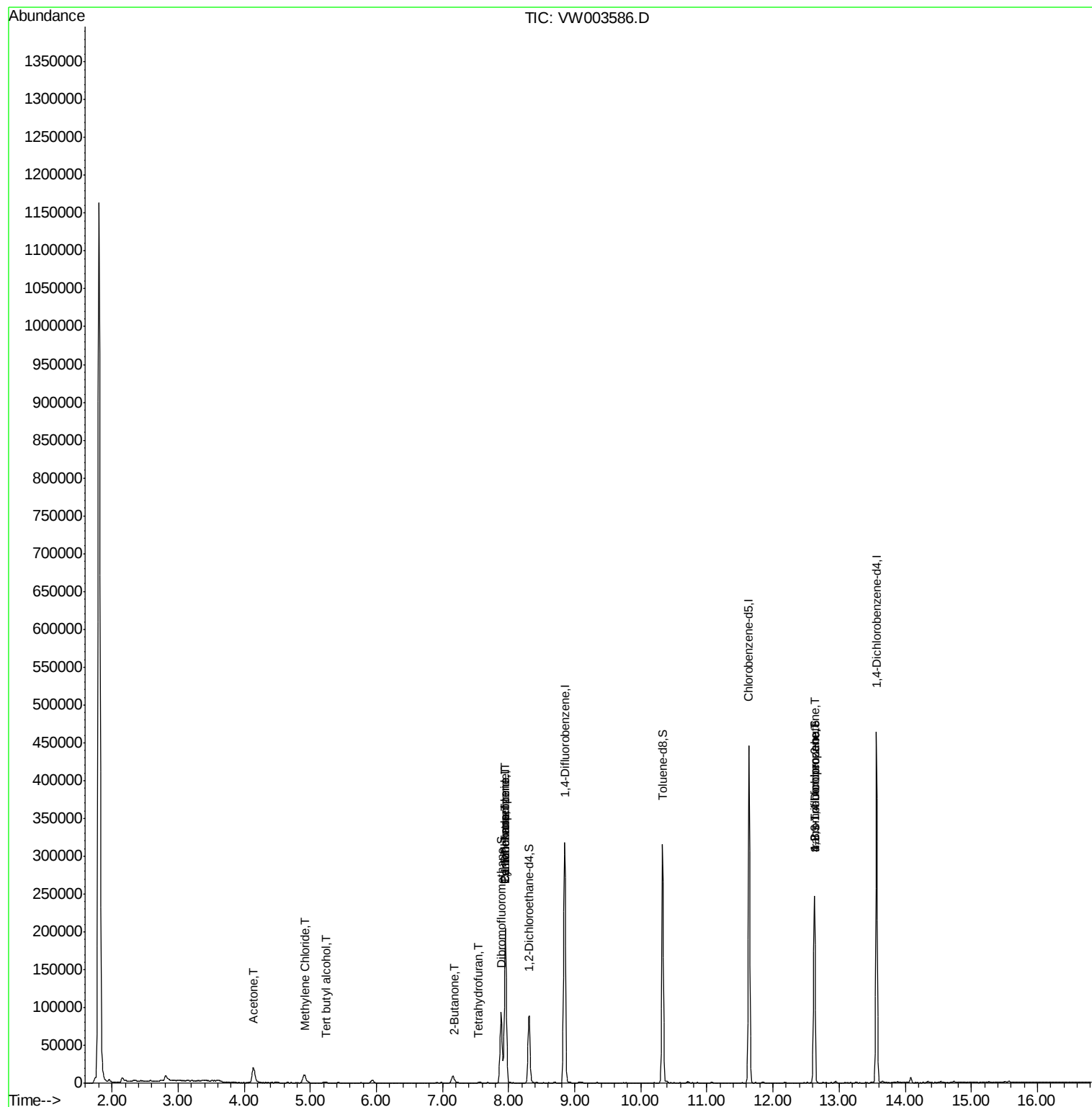
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	1377	16.319	ug/l #	91
16) Acetone	4.14	43	39999	121.221	ug/l	100
20) Methylene Chloride	4.92	84	7863	2.093	ug/l	90
25) 2-Butanone	7.19	43	1875	4.570	ug/l #	73
29) Tetrahydrofuran	7.54	42	515	2.054	ug/l #	43
31) Cyclohexane	7.95	56	4001	1.574	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	12172	5.014	ug/l #	50
38) Carbon Tetrachloride	7.95	117	14816	6.222	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	39149	40.147	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	39149	92.381	ug/l #	9

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

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QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003586.D

Acq: 26 Jun 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

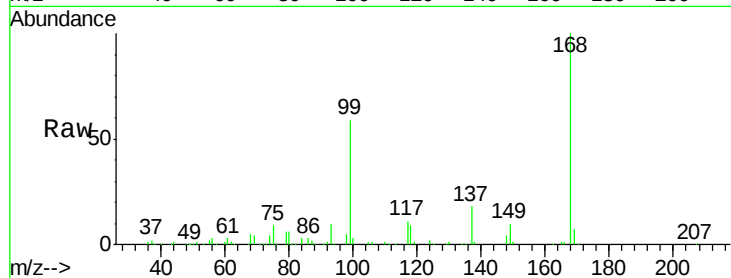
EPE-105-4(90-92)

Tgt Ion:168 Resp: 145252

Ion Ratio Lower Upper

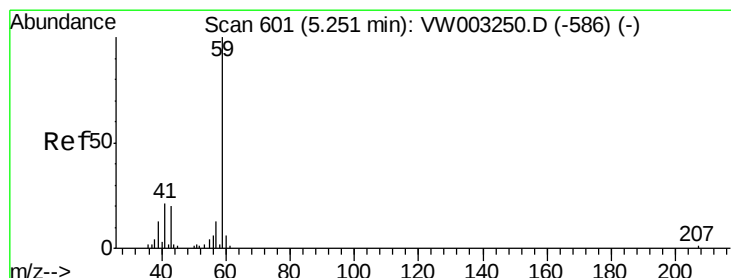
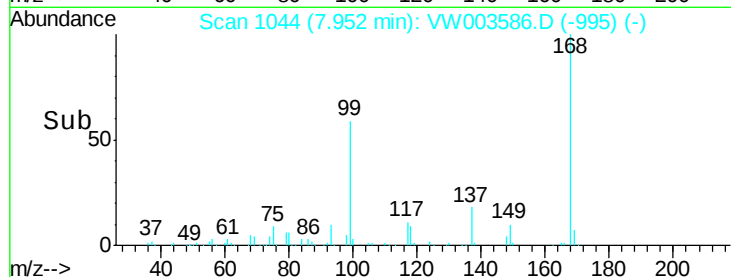
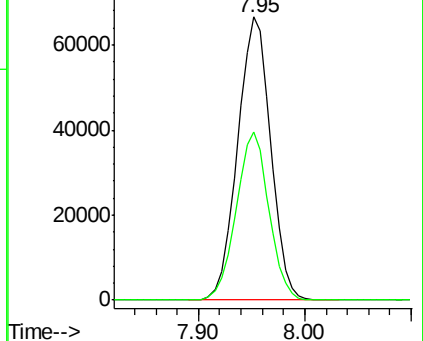
168 100

99 59.2 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: 16.319 ug/l

RT: 5.24 min Scan# 599

Delta R.T. -0.01 min

Lab File: VW003586.D

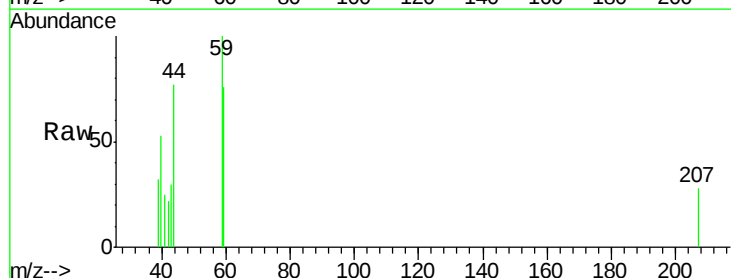
Acq: 26 Jun 2018 23:40

Tgt Ion: 59 Resp: 1377

Ion Ratio Lower Upper

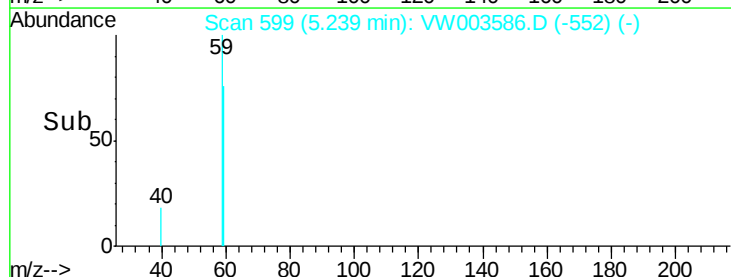
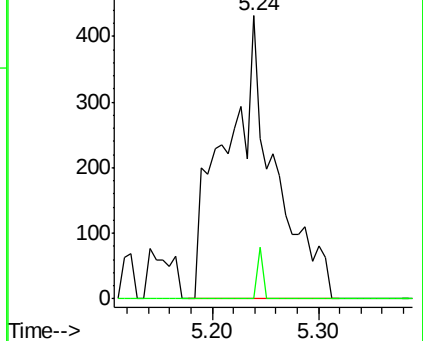
59 100

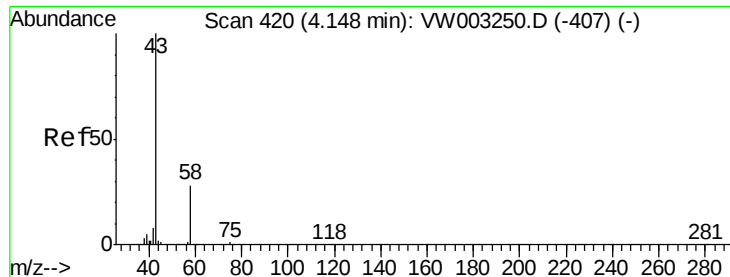
57 2.1 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 121.221 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: VW003586.D

Acq: 26 Jun 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

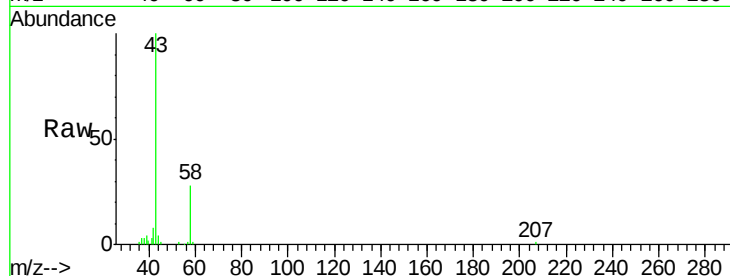
EPE-105-4(90-92)

Tgt Ion: 43 Resp: 39999

Ion Ratio Lower Upper

43 100

58 28.2 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

15000

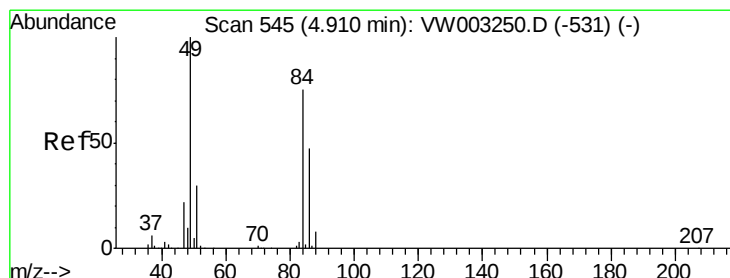
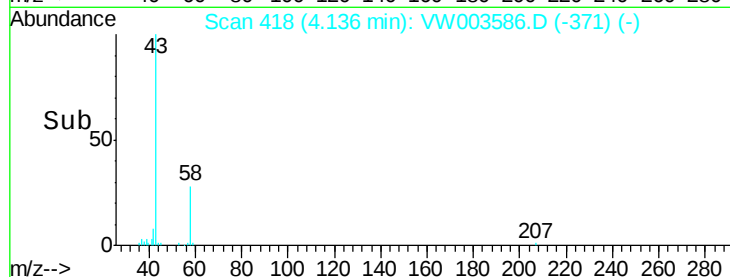
10000

5000

0

Time-->

4.00 4.10 4.20 4.30



#20

Methylene Chloride

Concen: 2.093 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003586.D

Acq: 26 Jun 2018 23:40

Tgt Ion: 84 Resp: 7863

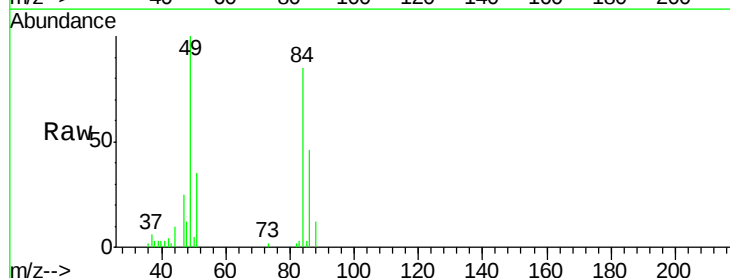
Ion Ratio Lower Upper

84 100

49 117.9 106.3 159.5

51 41.5 32.0 48.0

86 54.0 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

4000

3000

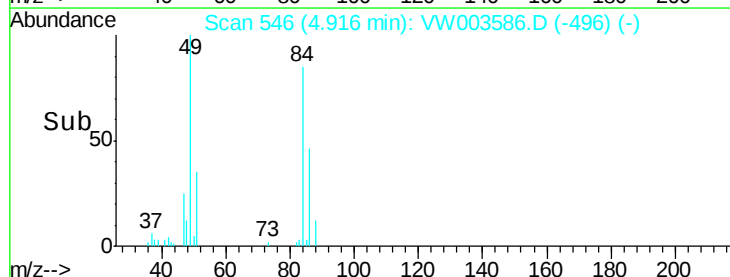
2000

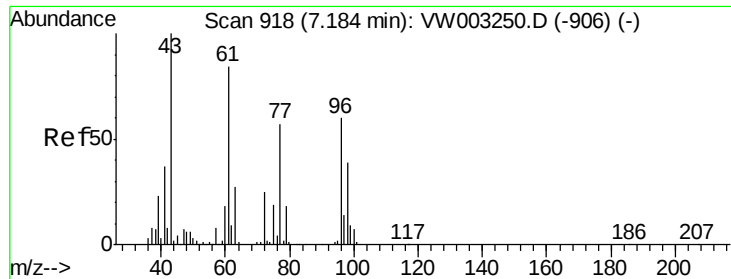
1000

0

Time-->

4.80 4.90 5.00





#25

2-Butanone

Concen: 4.570 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003586.D

Acq: 26 Jun 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

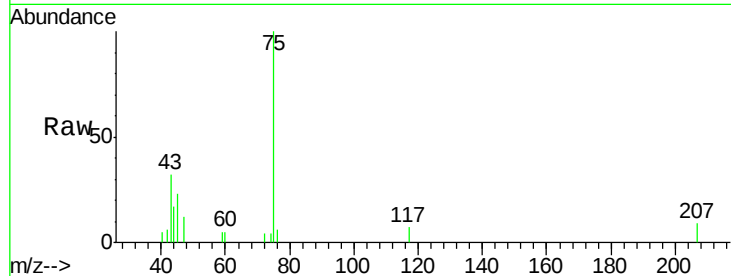
EPE-105-4(90-92)

Tgt Ion: 43 Resp: 1875

Ion Ratio Lower Upper

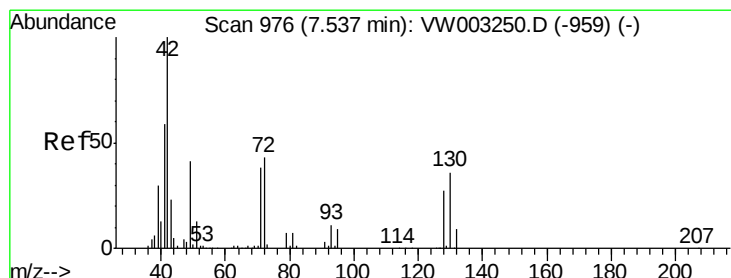
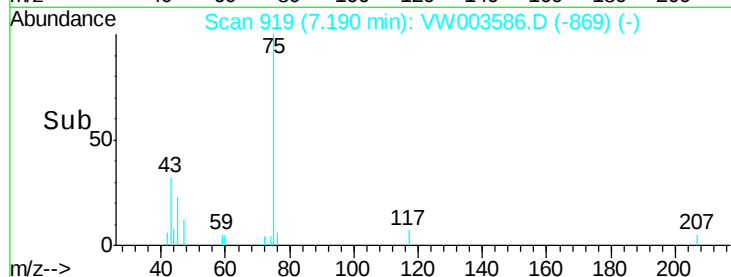
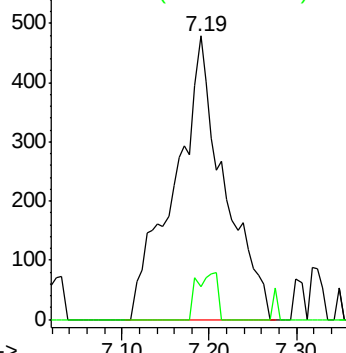
43 100

72 11.7 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 2.054 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003586.D

Acq: 26 Jun 2018 23:40

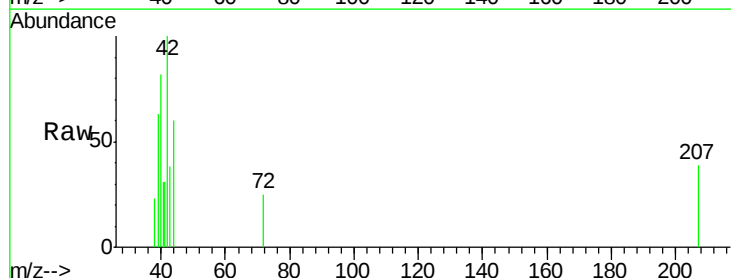
Tgt Ion: 42 Resp: 515

Ion Ratio Lower Upper

42 100

72 8.7 32.4 48.6#

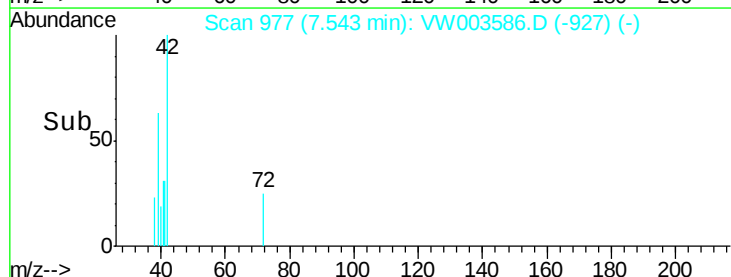
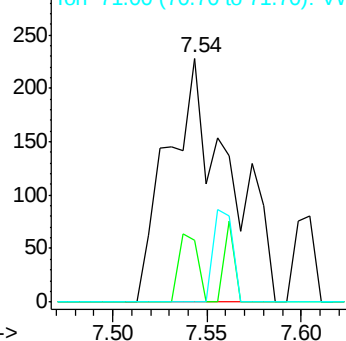
71 0.0 31.2 46.8#

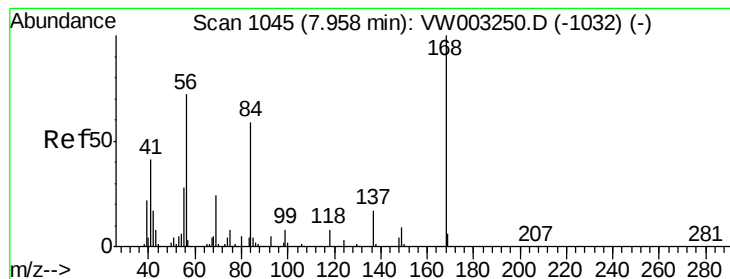


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.574 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003586.D

Acq: 26 Jun 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

EPE-105-4(90-92)

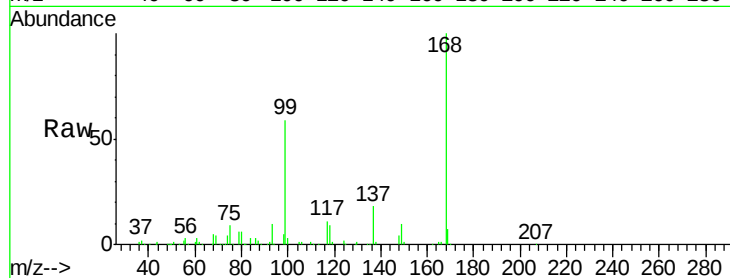
Tgt Ion: 56 Resp: 4001

Ion Ratio Lower Upper

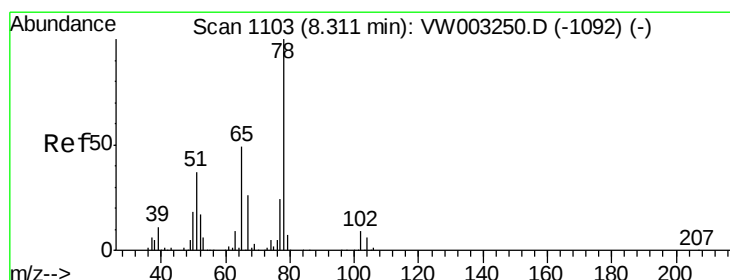
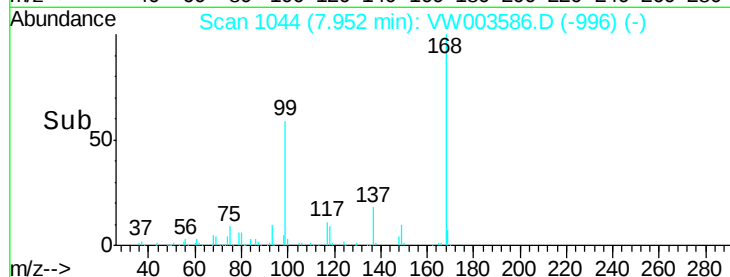
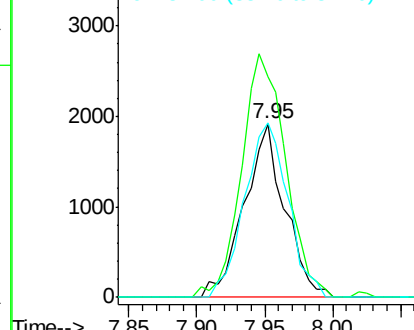
56 100

69 127.5 26.3 39.5#

84 100.9 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: 45.919 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003586.D

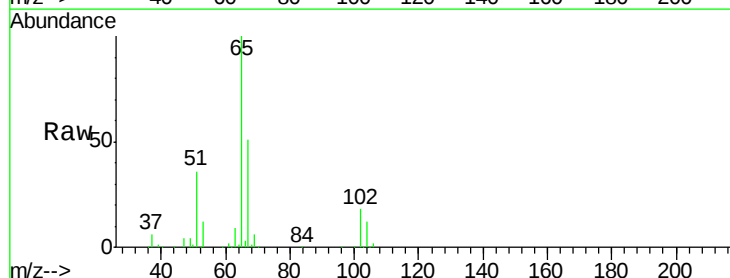
Acq: 26 Jun 2018 23:40

Tgt Ion: 65 Resp: 72244

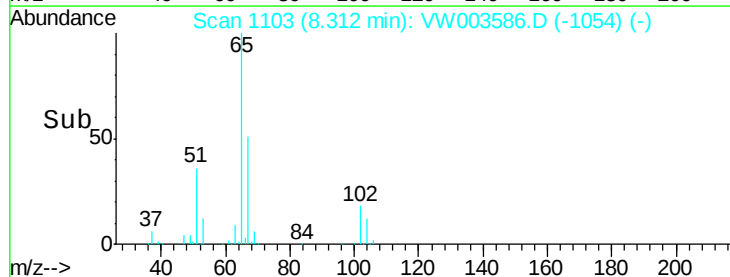
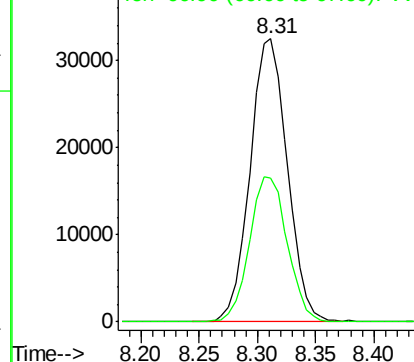
Ion Ratio Lower Upper

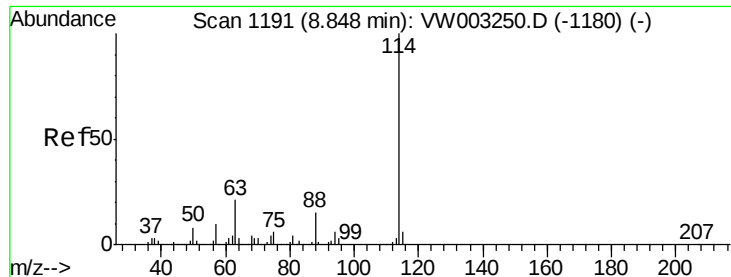
65 100

67 52.2 0.0 104.2



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

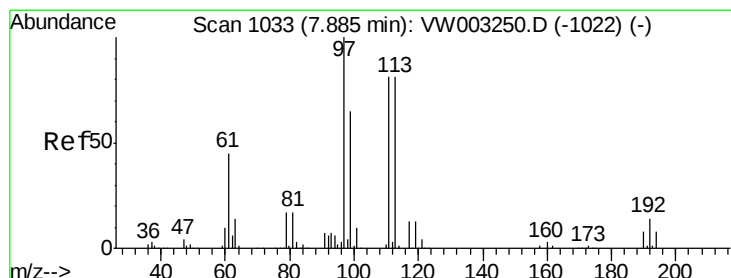
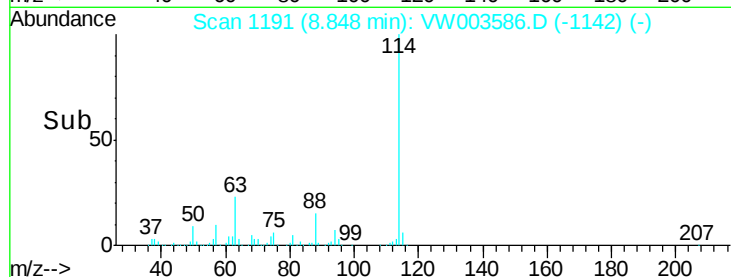
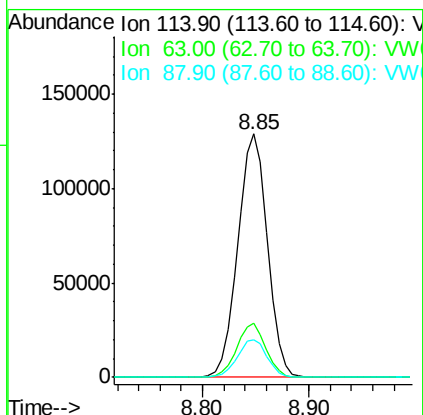
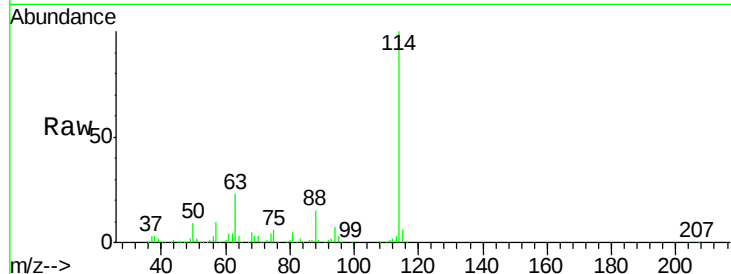




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003586.D
 Acq: 26 Jun 2018 23:40

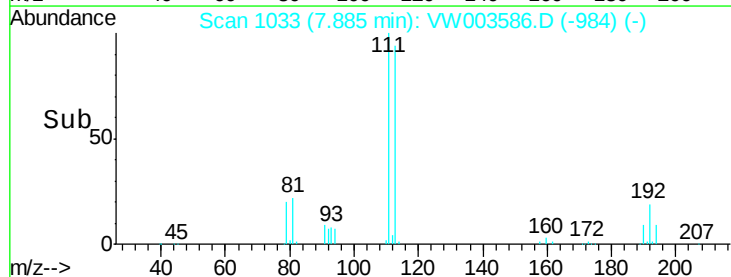
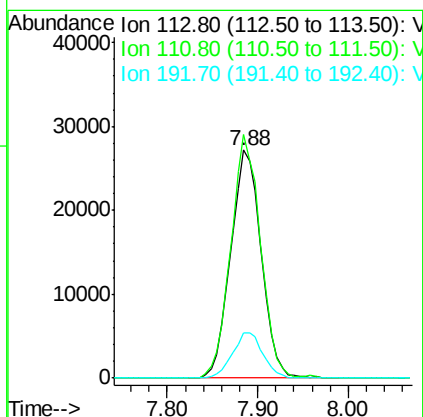
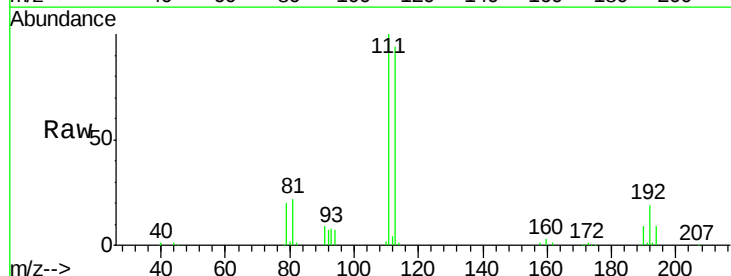
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-105-4(90-92)

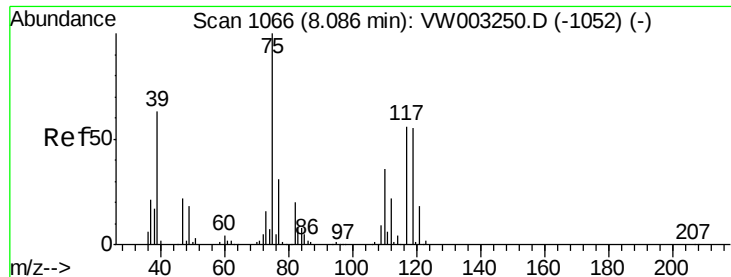
Tgt Ion:114 Resp: 251358
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.0
 88 15.4 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 40.585 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003586.D
 Acq: 26 Jun 2018 23:40

Tgt Ion:113 Resp: 63388
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.2 123.2
 192 20.0 16.2 24.2

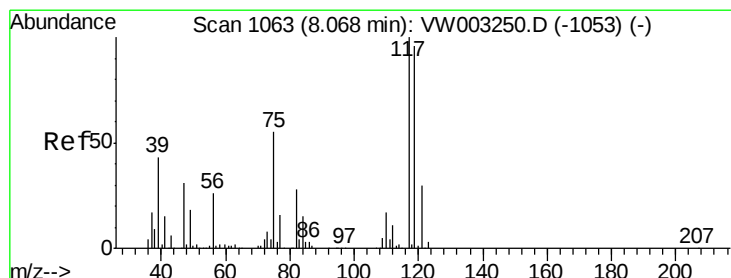
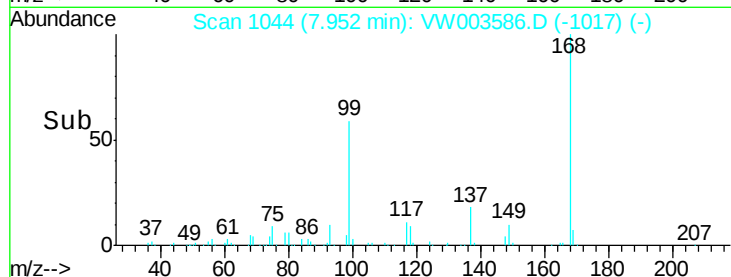
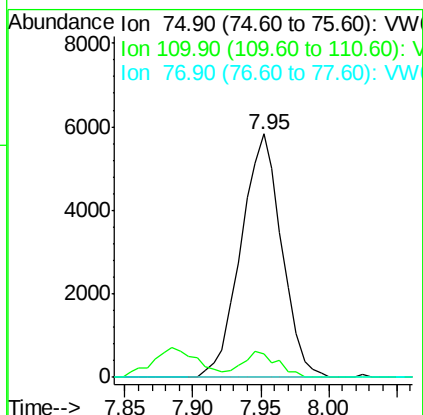
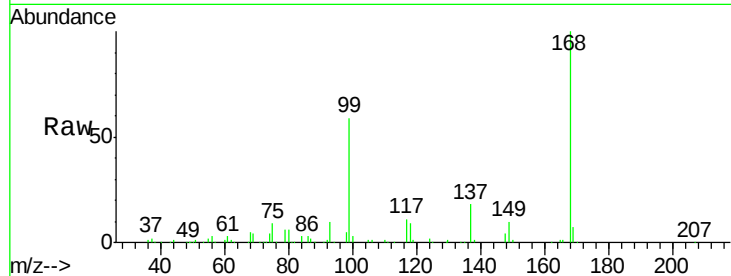




#36
 1,1-Dichloropropene
 Concen: 5.014 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003586.D
 Acq: 26 Jun 2018 23:40

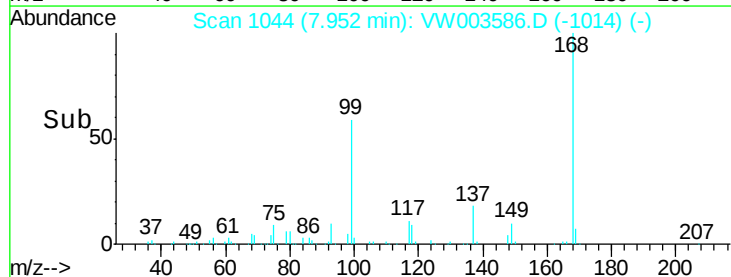
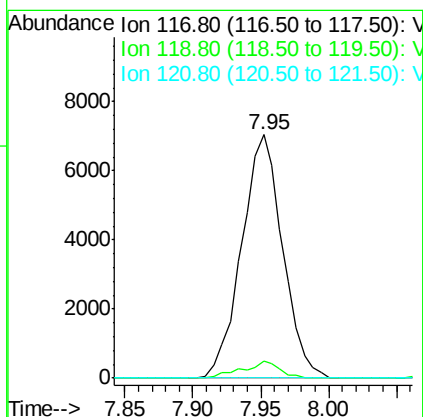
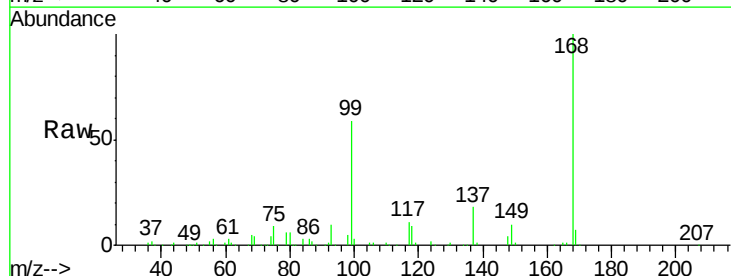
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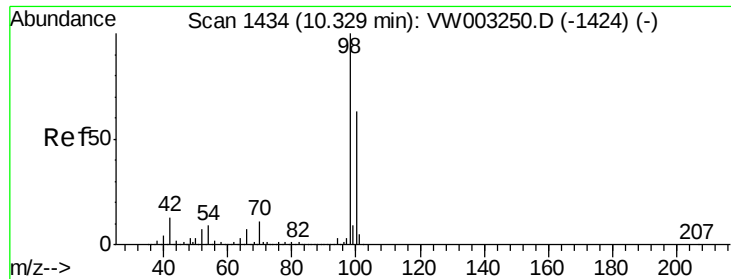
Tgt Ion: 75 Resp: 12172
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.1 51.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.222 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003586.D
 Acq: 26 Jun 2018 23:40

Tgt Ion: 117 Resp: 14816
 Ion Ratio Lower Upper
 117 100
 119 7.2 76.6 115.0#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 32.508 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003586.D

Acq: 26 Jun 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

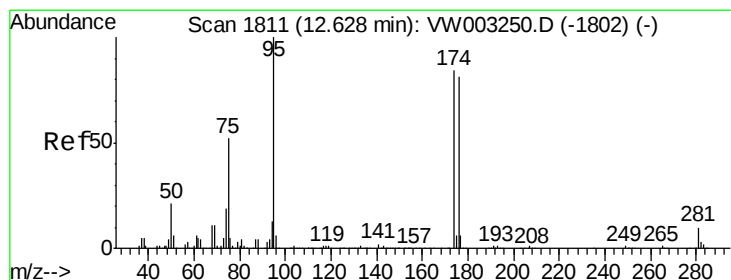
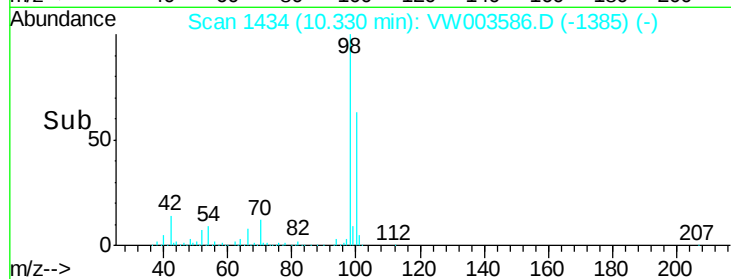
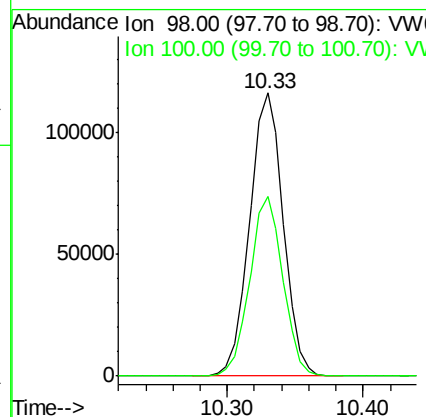
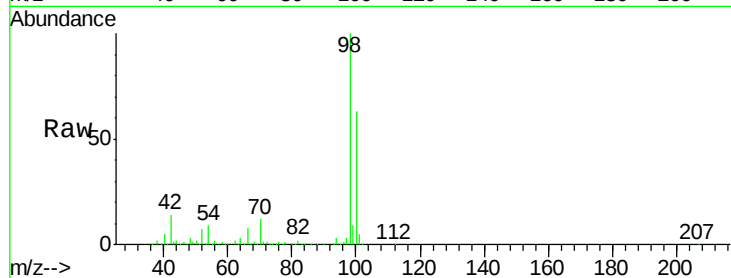
EPE-105-4(90-92)

Tgt Ion: 98 Resp: 201329

Ion Ratio Lower Upper

98 100

100 62.4 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 33.375 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003586.D

Acq: 26 Jun 2018 23:40

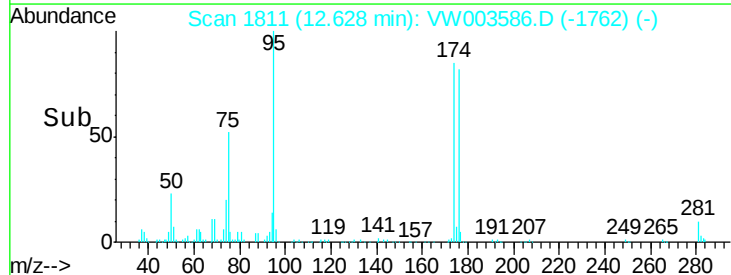
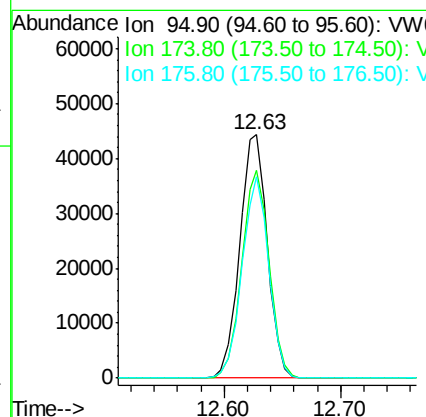
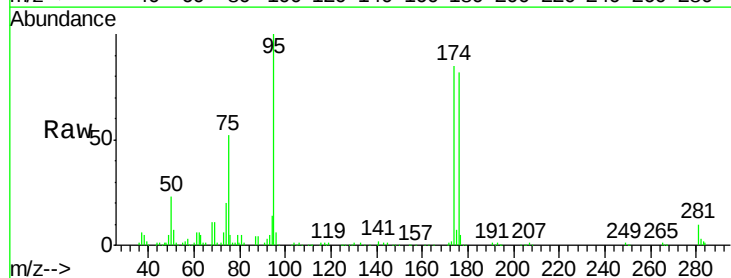
Tgt Ion: 95 Resp: 73148

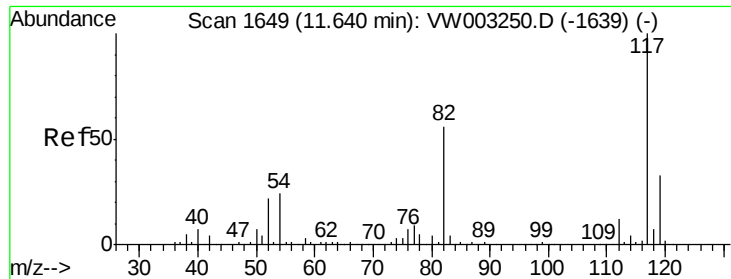
Ion Ratio Lower Upper

95 100

174 84.6 0.0 166.4

176 79.8 0.0 162.0

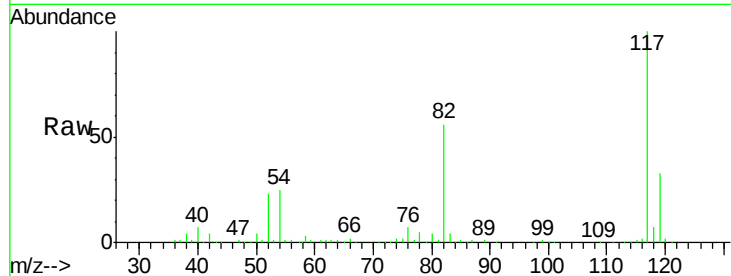




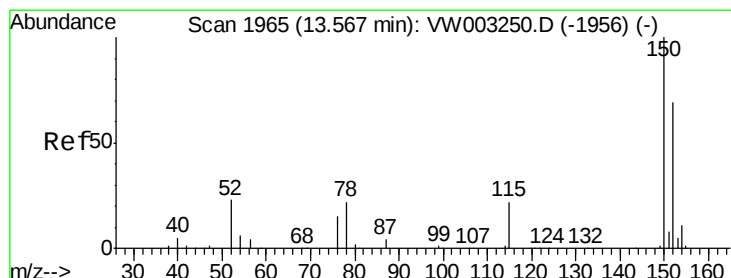
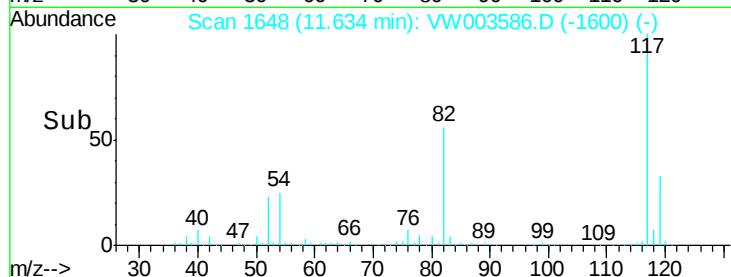
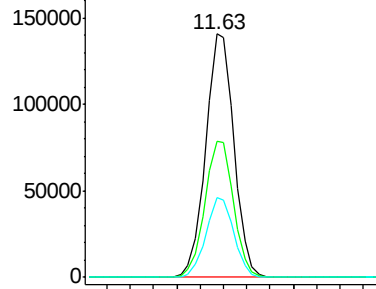
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003586.D
Acq: 26 Jun 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
EPE-105-4(90-92)

Tgt Ion:117 Resp: 237804
Ion Ratio Lower Upper
117 100
82 56.0 44.6 67.0
119 32.6 26.7 40.1

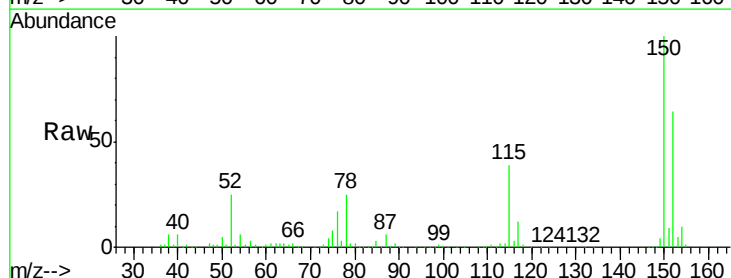


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

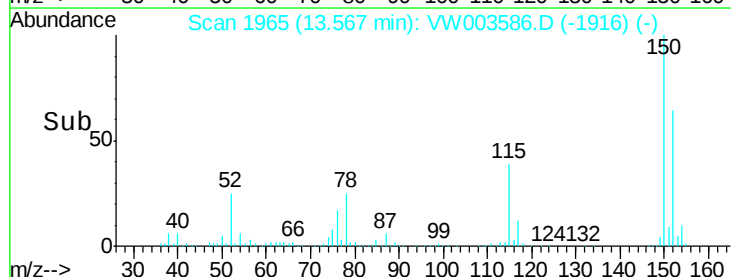
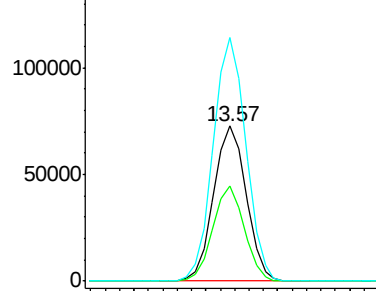


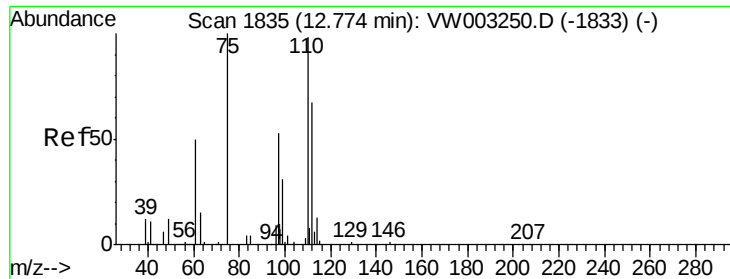
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003586.D
Acq: 26 Jun 2018 23:40

Tgt Ion:152 Resp: 114066
Ion Ratio Lower Upper
152 100
115 59.0 29.3 88.0
150 157.0 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





#76

1,2,3-Trichloropropane

Concen: 40.147 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003586.D

Acq: 26 Jun 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

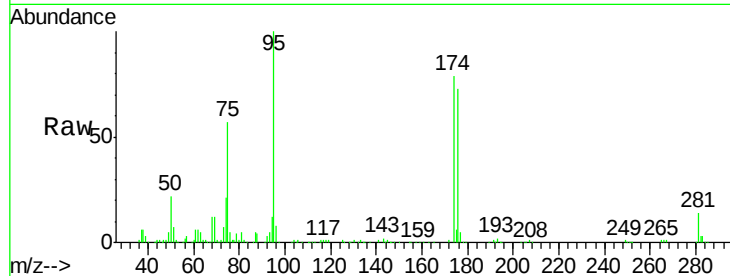
EPE-105-4(90-92)

Tgt Ion: 75 Resp: 39149

Ion Ratio Lower Upper

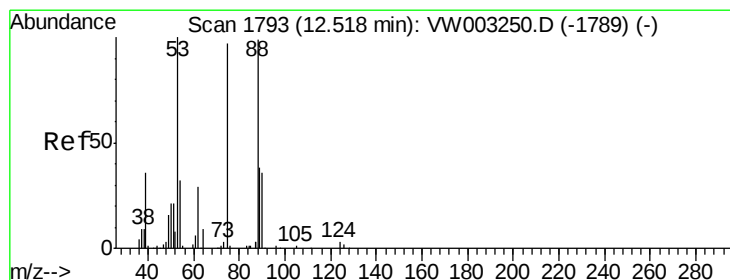
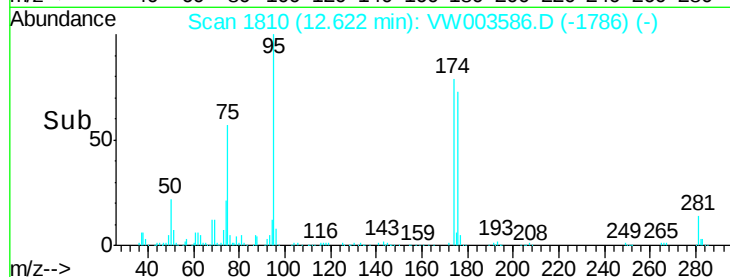
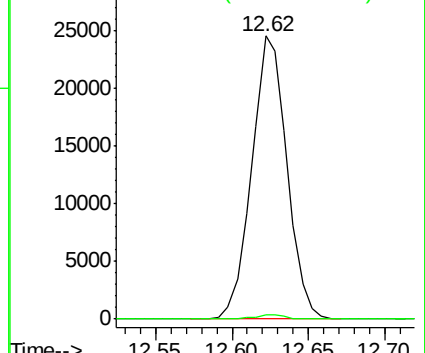
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 92.381 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003586.D

Acq: 26 Jun 2018 23:40

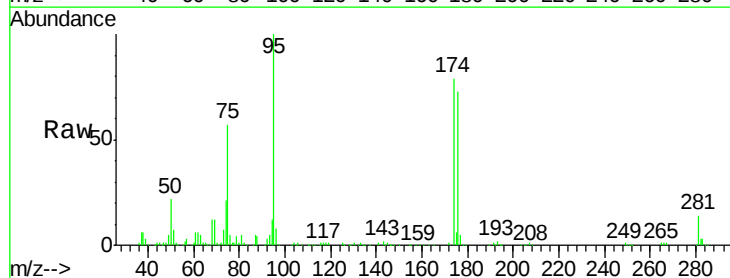
Tgt Ion: 75 Resp: 39149

Ion Ratio Lower Upper

75 100

53 0.3 82.9 124.3#

89 0.2 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

