

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102518\
 Data File : VW006352.D
 Acq On : 25 Oct 2018 07:56
 Operator : SY/AP
 Sample : J5624-07
 Misc : 4.40G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-02A

Quant Time: Oct 25 08:36:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	171116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	276003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	163011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	38270	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	113612	80.08	ug/l	0.00
Spiked Amount			Recovery	=	160.16%	
35) Dibromofluoromethane	7.88	113	98720	60.53	ug/l	0.00
Spiked Amount			Recovery	=	121.06%	
50) Toluene-d8	10.33	98	250173	40.32	ug/l	0.00
Spiked Amount			Recovery	=	80.64%	
62) 4-Bromofluorobenzene	12.62	95	54153	23.24	ug/l	0.00
Spiked Amount			Recovery	=	46.48%	

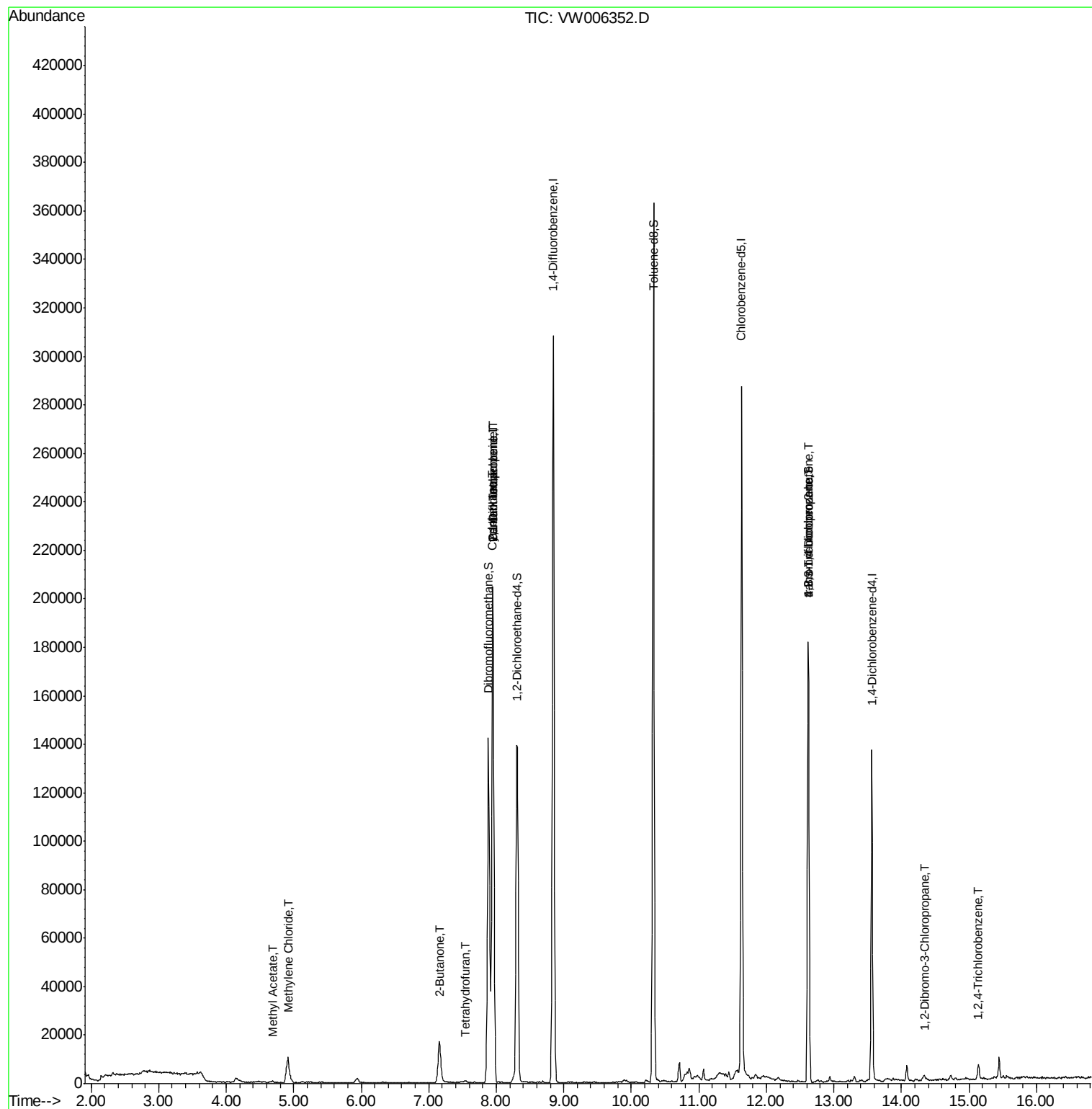
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	3718	Below Cal		97
18) Methyl Acetate	4.69	43	1224	1.714	ug/l #	79
20) Methylene Chloride	4.92	84	8298	4.032	ug/l	93
25) 2-Butanone	7.16	43	893	2.330	ug/l	100
29) Tetrahydrofuran	7.55	42	510	2.165	ug/l	90
31) Cyclohexane	7.94	56	2991	1.152	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	10884	4.278	ug/l #	49
38) Carbon Tetrachloride	7.95	117	14808	5.310	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	27330	93.497	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	27330	223.496	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.34	75	166	2.255	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.14	180	2179	2.409	ug/l	91

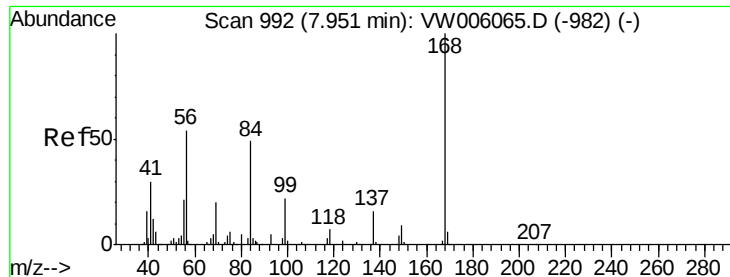
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006352.D

Acq: 25 Oct 2018 07:56

Instrument :

MSVOA_W

ClientSampleId :

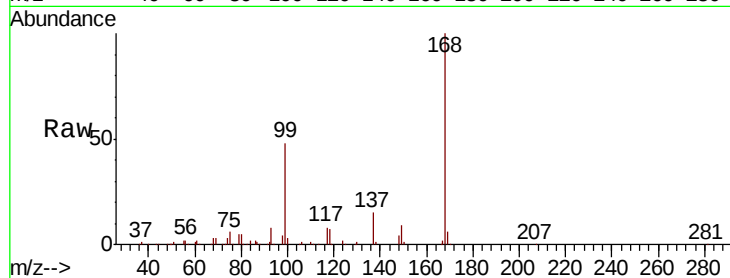
PA-SB-02A

Tot Ion:168 Resp: 171116

Ion Ratio Lower Upper

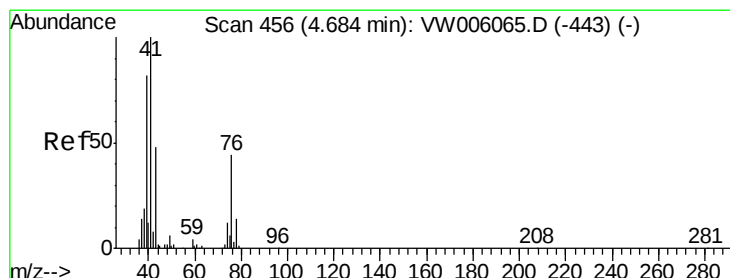
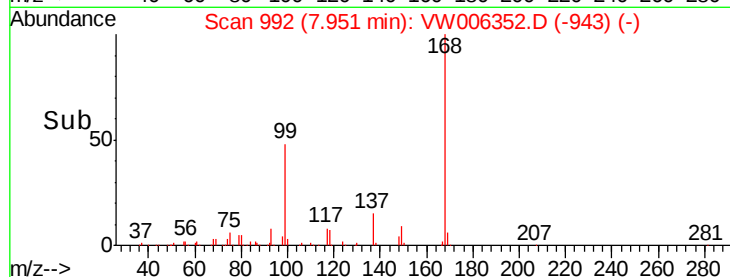
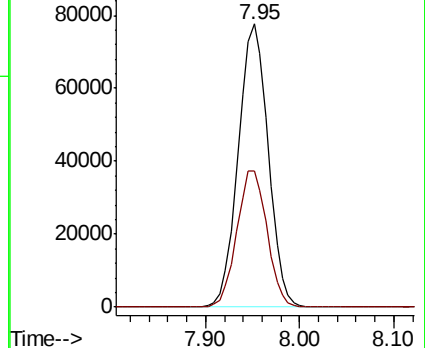
168 100

99 47.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#18

Methyl Acetate

Concen: 1.714 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW006352.D

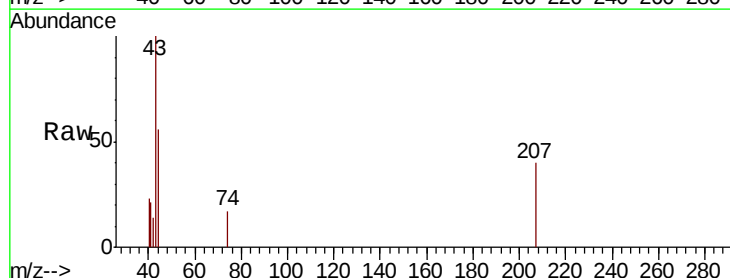
Acq: 25 Oct 2018 07:56

Tgt Ion: 43 Resp: 1224

Ion Ratio Lower Upper

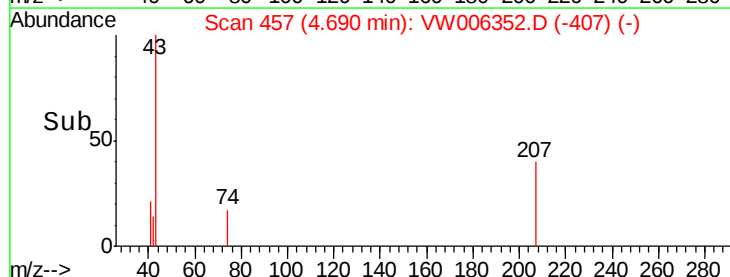
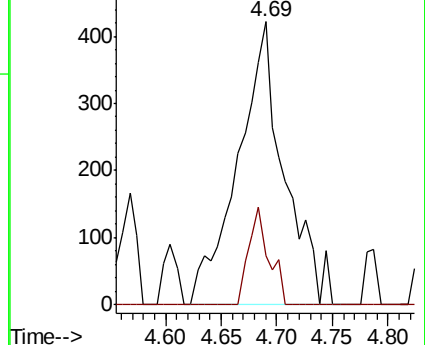
43 100

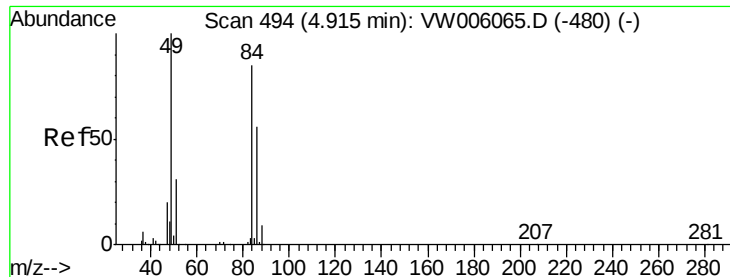
74 15.1 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: 4.032 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006352.D

Acq: 25 Oct 2018 07:56

Instrument :

MSVOA_W

ClientSampled :

PA-SB-02A

Tot Ion: 84 Resp: 8298

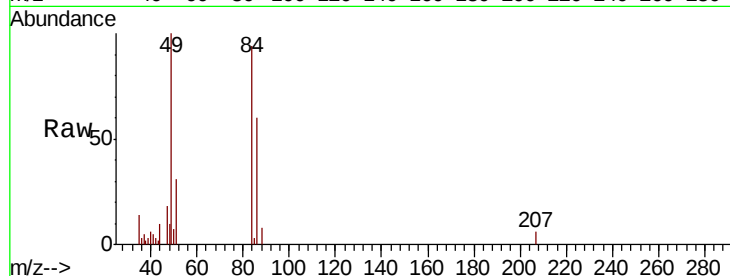
Ion Ratio Lower Upper

84 100

49 105.9 93.6 140.4

51 32.7 29.0 43.4

86 63.5 52.6 79.0



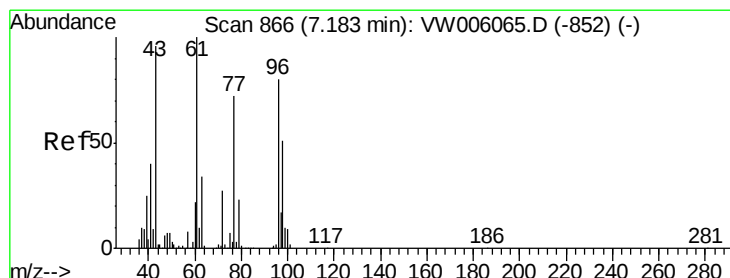
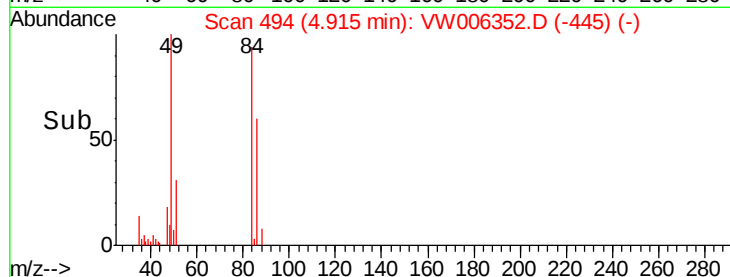
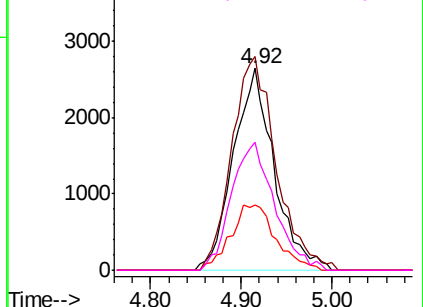
Abundance

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



#25

2-Butanone

Concen: 2.330 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.02 min

Lab File: VW006352.D

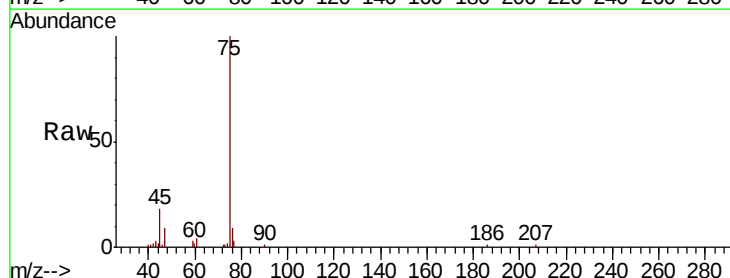
Acq: 25 Oct 2018 07:56

Tgt Ion: 43 Resp: 893

Ion Ratio Lower Upper

43 100

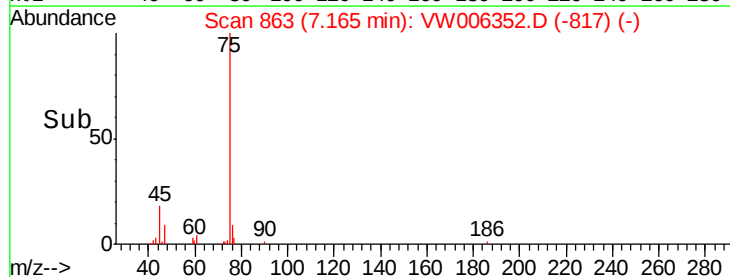
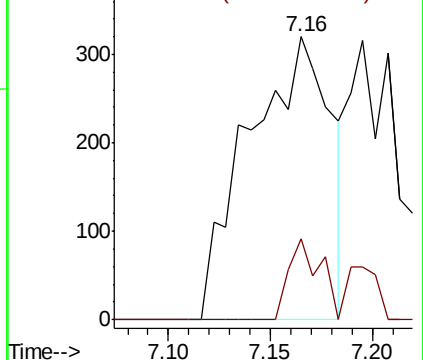
72 28.4 22.8 34.2

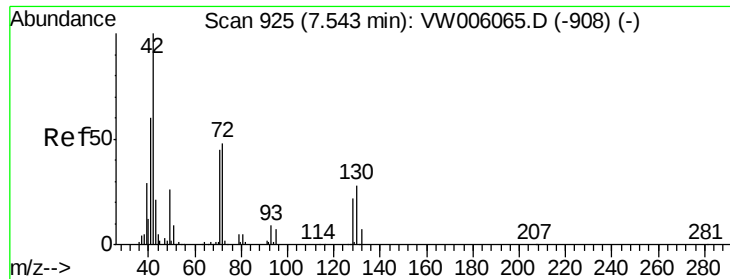


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

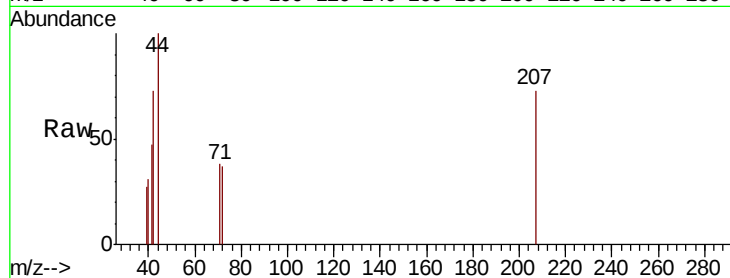




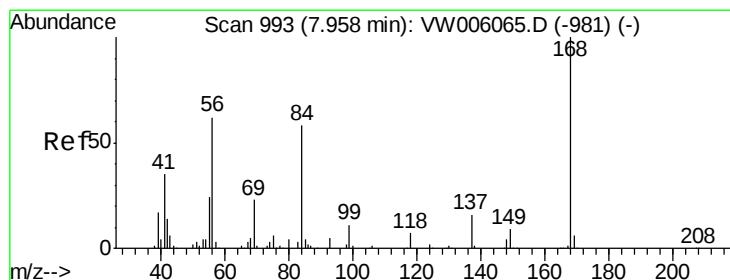
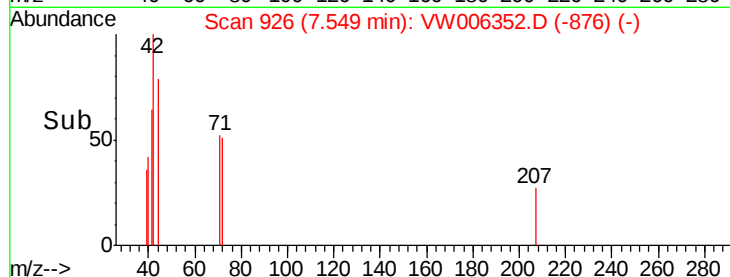
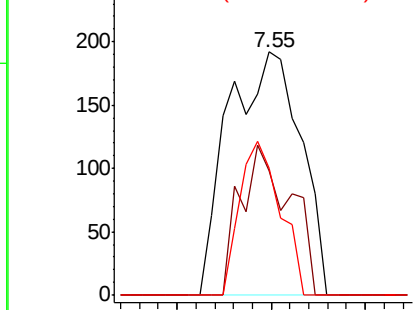
#29
Tetrahydrofuran
Concen: 2.165 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW006352.D
Acq: 25 Oct 2018 07:56

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-02A

Tot Ion: 42 Resp: 510
Ion Ratio Lower Upper
42 100
72 42.4 38.0 57.0
71 35.5 35.3 52.9

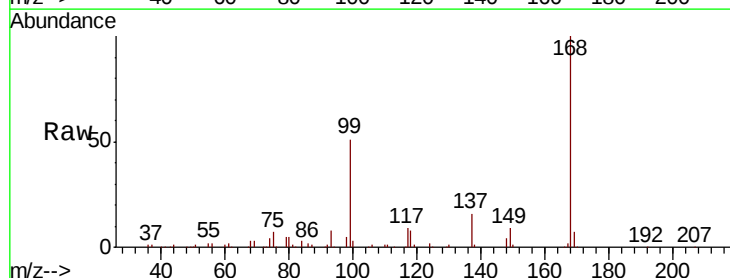


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

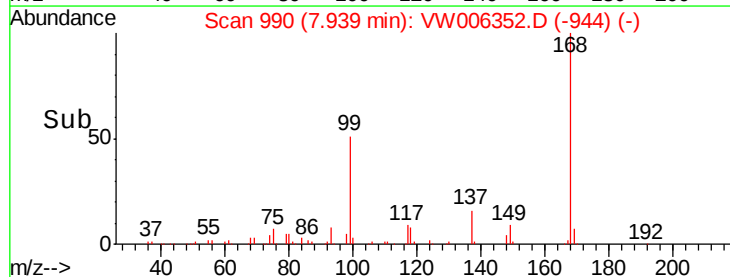
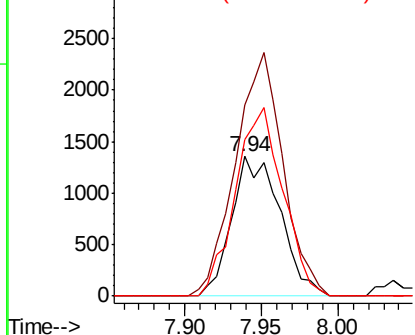


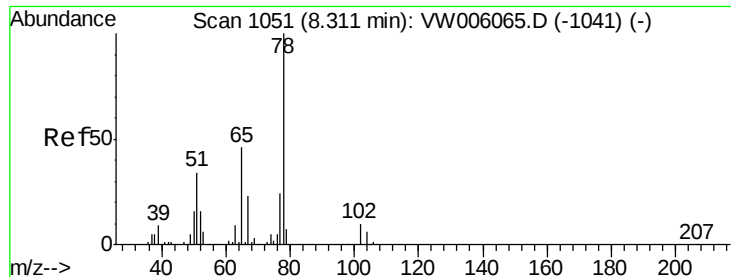
#31
Cyclohexane
Concen: 1.152 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW006352.D
Acq: 25 Oct 2018 07:56

Tgt Ion: 56 Resp: 2991
Ion Ratio Lower Upper
56 100
69 137.3 29.4 44.0#
84 112.2 74.0 111.0#



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

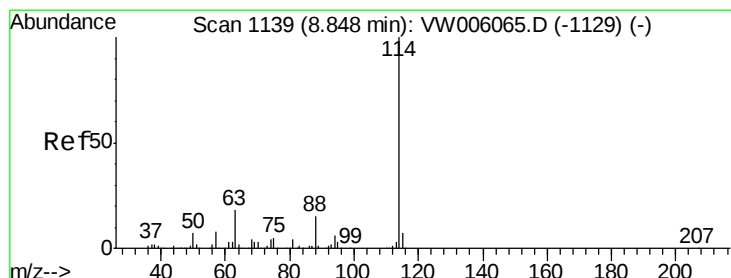
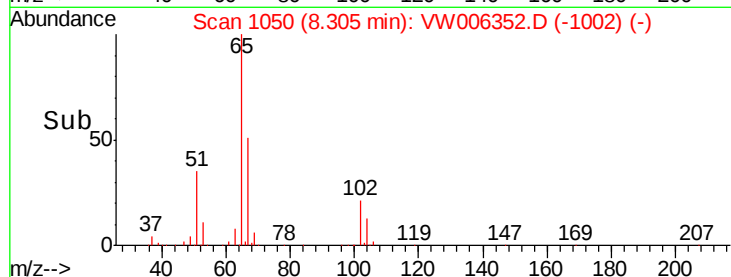
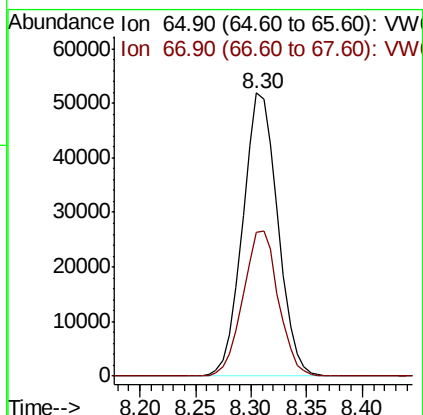
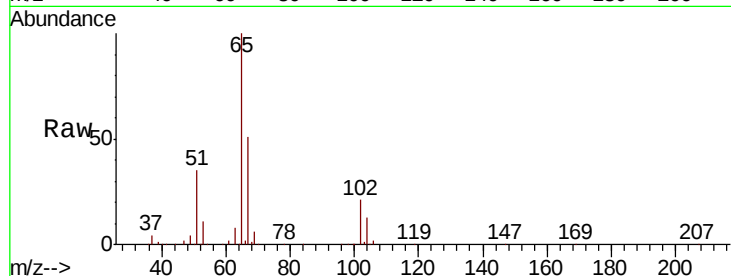




#33
 1,2-Dichloroethane-d4
 Concen: 80.085 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006352.D
 Acq: 25 Oct 2018 07:56

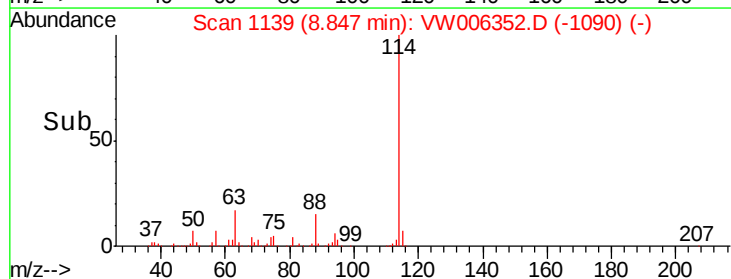
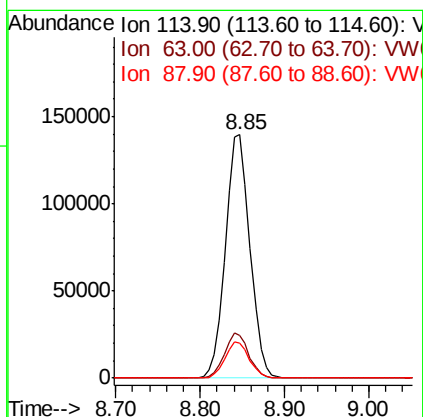
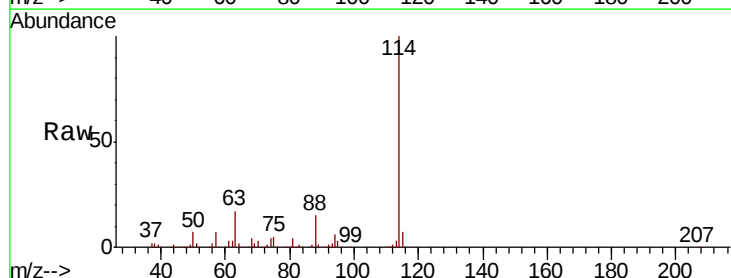
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-02A

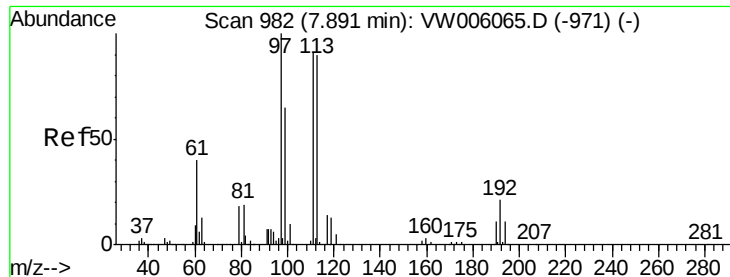
Tot Ion: 65 Resp: 113612
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006352.D
 Acq: 25 Oct 2018 07:56

Tgt Ion: 114 Resp: 276003
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.8
 88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 60.531 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006352.D

Acq: 25 Oct 2018 07:56

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-02A

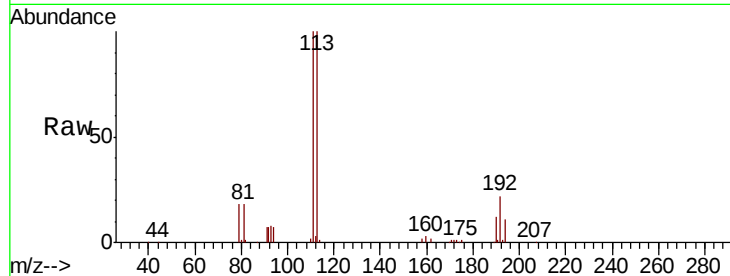
Tot Ion:113 Resp: 98720

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

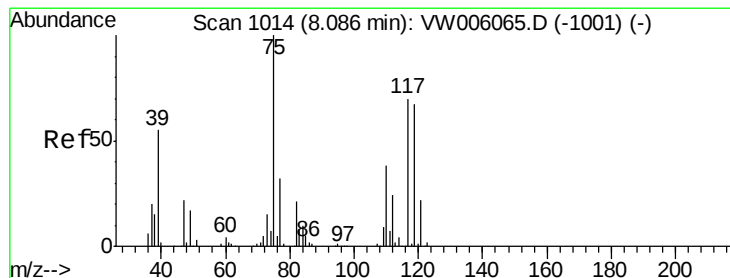
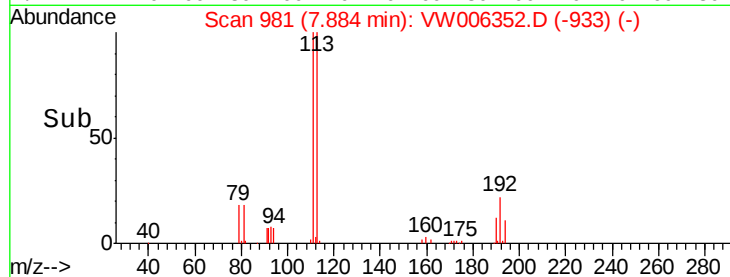
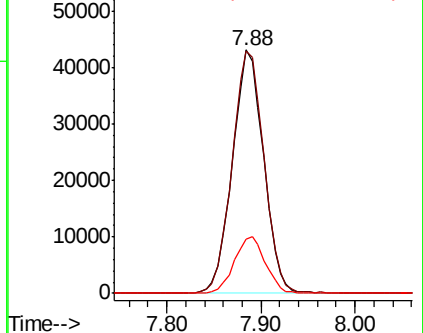
192 23.3 18.7 28.1



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: 4.278 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW006352.D

Acq: 25 Oct 2018 07:56

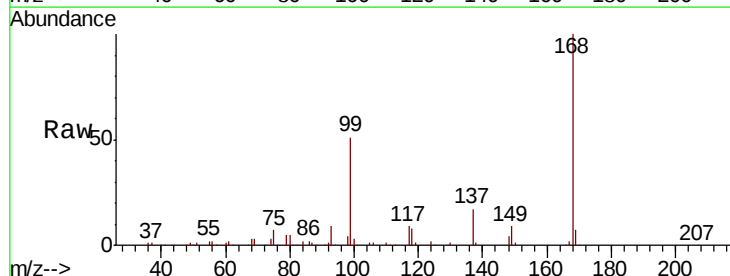
Tgt Ion: 75 Resp: 10884

Ion Ratio Lower Upper

75 100

110 10.5 19.1 57.1#

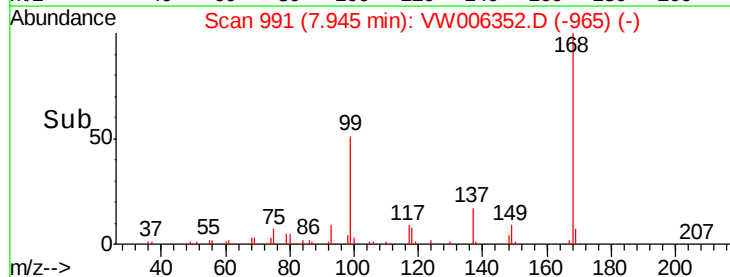
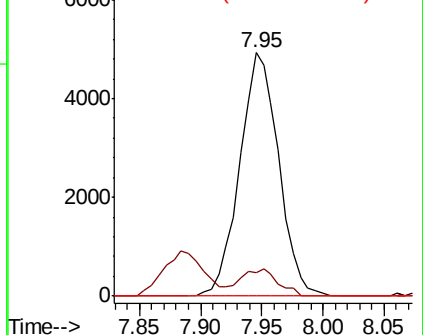
77 0.0 25.0 37.4#

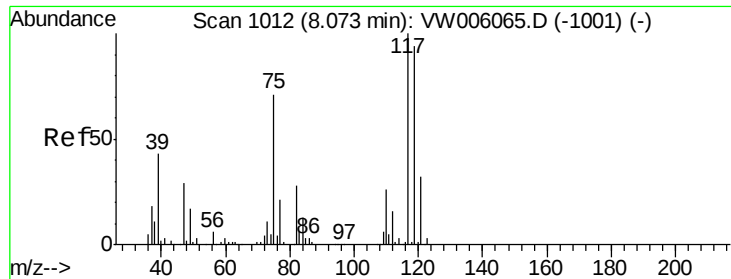


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

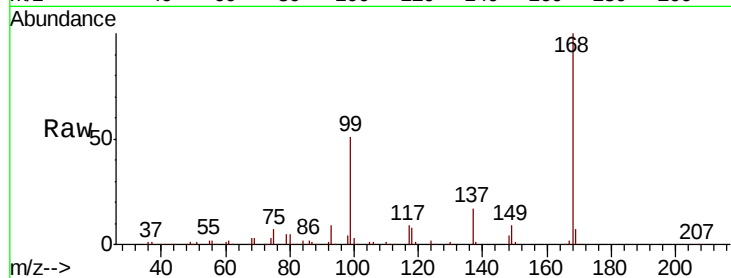




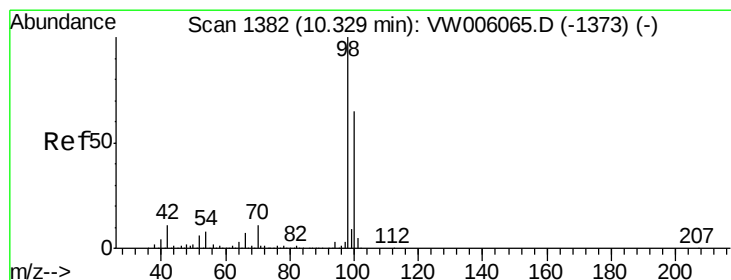
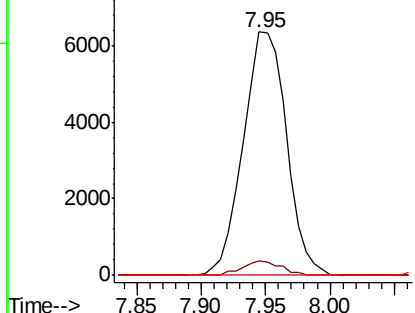
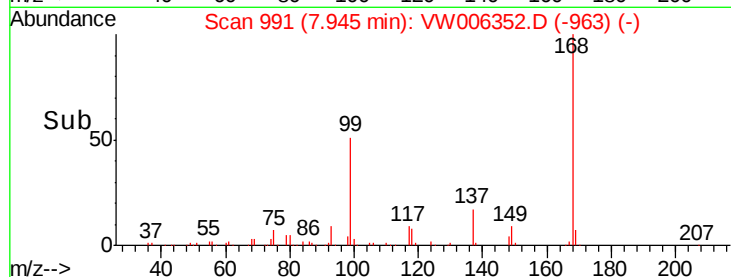
#38
Carbon Tetrachloride
Concen: 5.310 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW006352.D
Acq: 25 Oct 2018 07:56

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-02A

Tot Ion:117 Resp: 14808
Ion Ratio Lower Upper
117 100
119 6.2 75.2 112.8#
121 0.0 25.3 37.9#

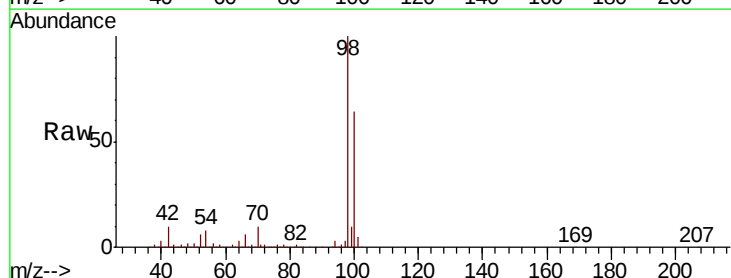


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

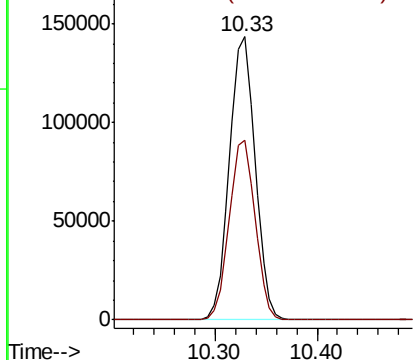
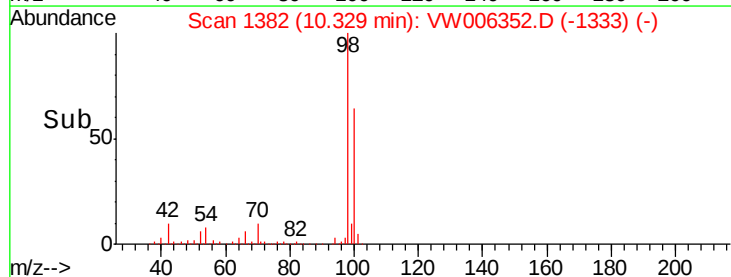


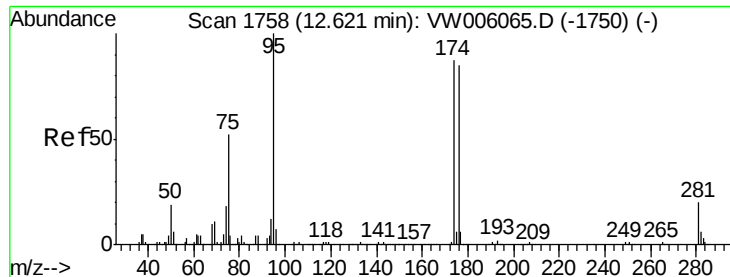
#50
Toluene-d8
Concen: 40.320 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006352.D
Acq: 25 Oct 2018 07:56

Tgt Ion: 98 Resp: 250173
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 23.237 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006352.D

Acq: 25 Oct 2018 07:56

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-02A

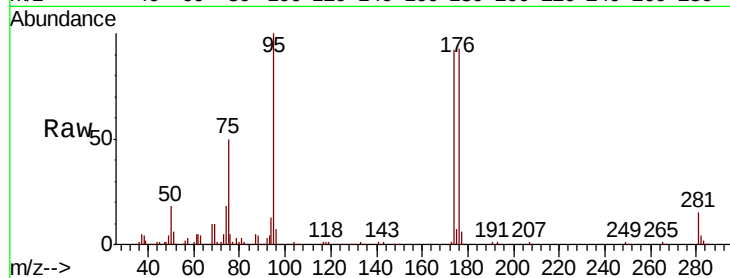
Tot Ion: 95 Resp: 54153

Ion Ratio Lower Upper

95 100

174 94.8 0.0 186.0

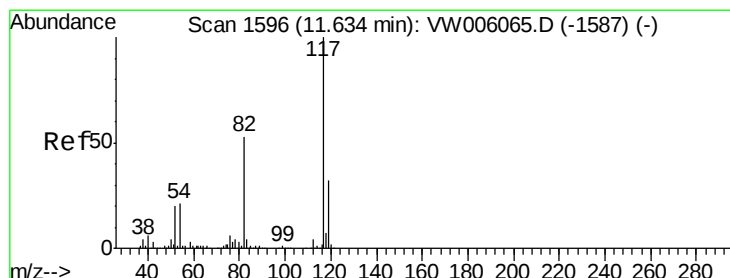
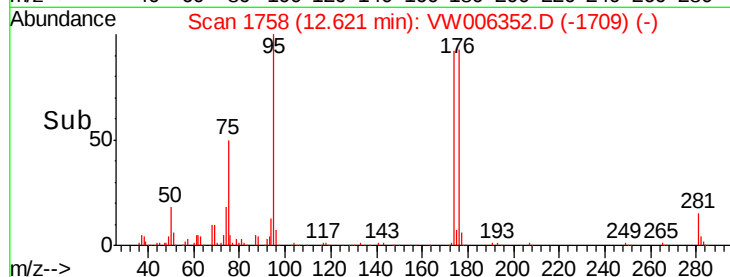
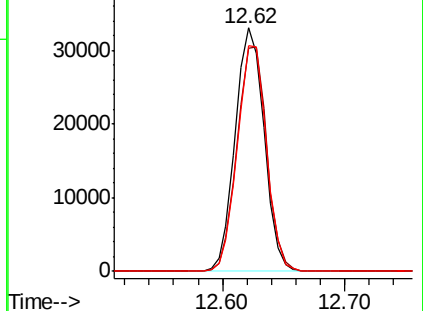
176 93.4 0.0 181.6



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# 1596

Delta R.T. -0.00 min

Lab File: VW006352.D

Acq: 25 Oct 2018 07:56

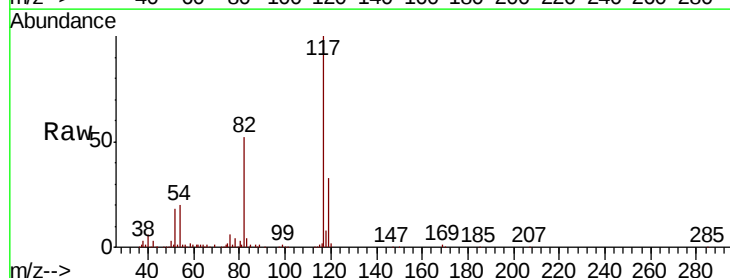
Tgt Ion: 117 Resp: 163011

Ion Ratio Lower Upper

117 100

82 52.0 42.1 63.1

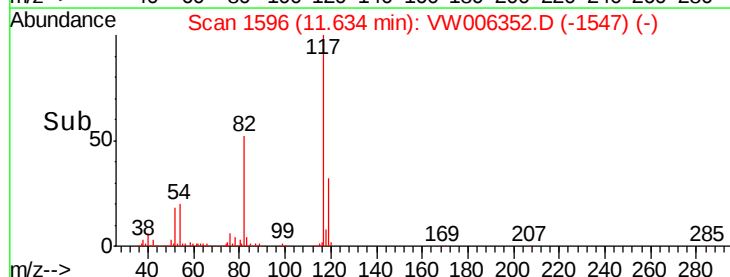
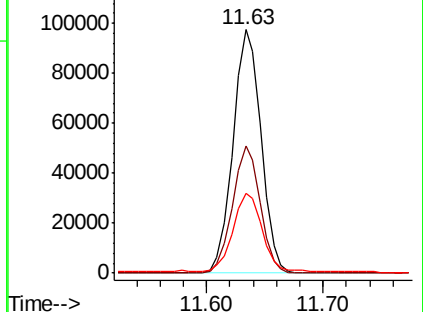
119 32.3 25.8 38.6

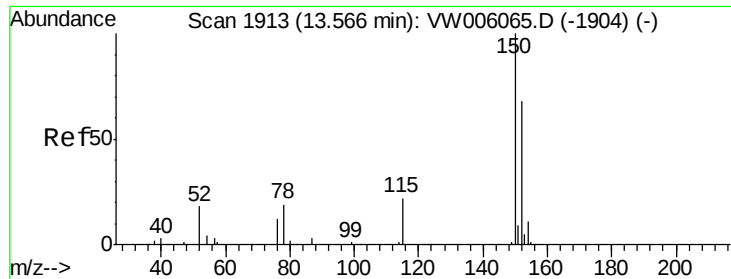


Abundance Ion 116.90 (116.60 to 117.60): VW

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# 1913

Delta R.T. -0.00 min

Lab File: VW006352.D

Acq: 25 Oct 2018 07:56

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-02A

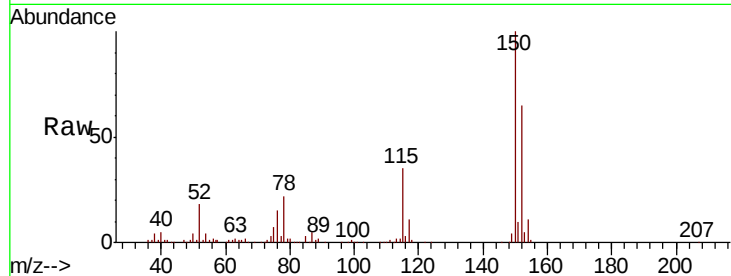
Tot Ion:152 Resp: 38270

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.3

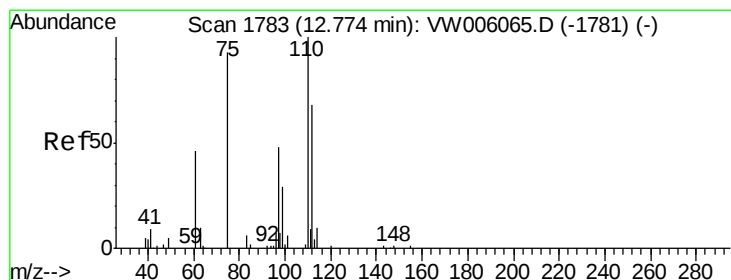
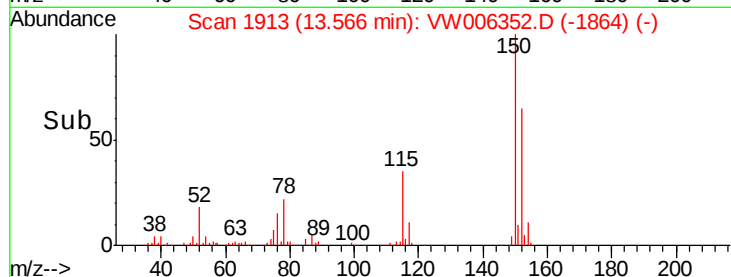
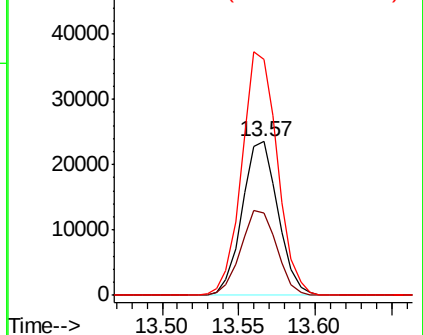
150 156.6 0.0 349.2



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: 93.497 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006352.D

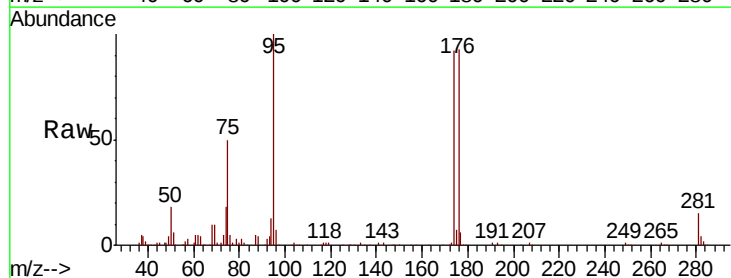
Acq: 25 Oct 2018 07:56

Tgt Ion: 75 Resp: 27330

Ion Ratio Lower Upper

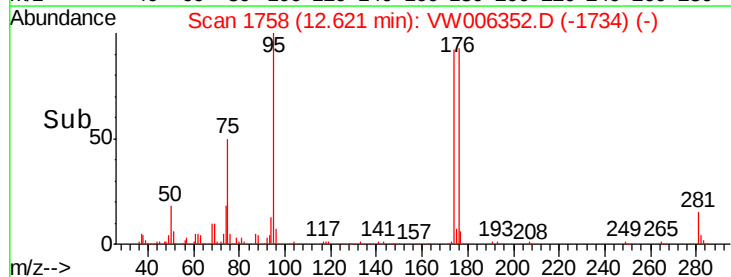
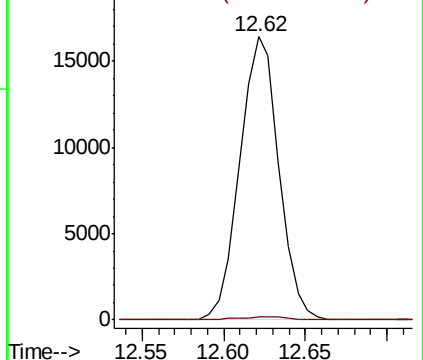
75 100

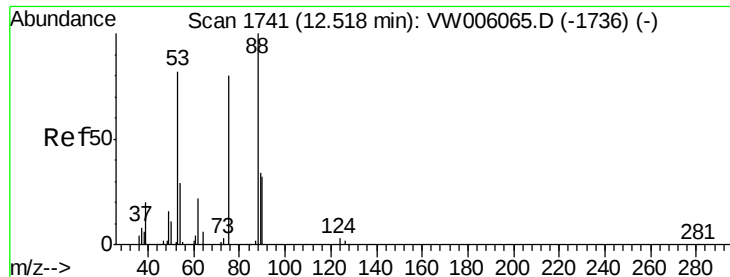
77 1.3 0.0 0.0#



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: 223.496 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006352.D

Acq: 25 Oct 2018 07:56

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-02A

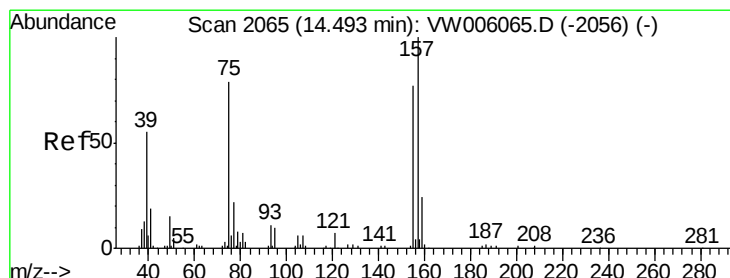
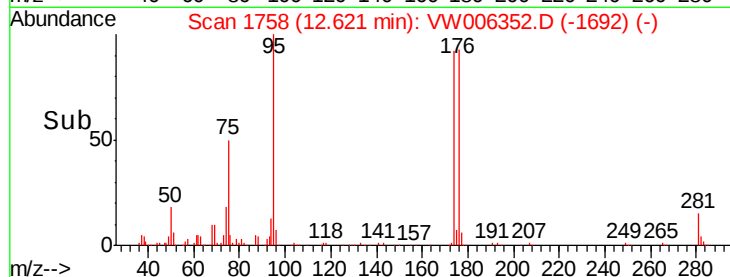
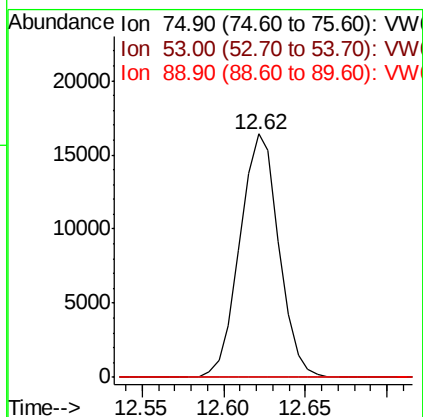
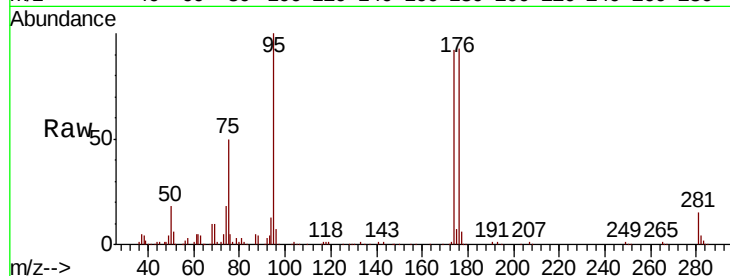
Tot Ion: 75 Resp: 27330

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.255 ug/l

RT: 14.34 min Scan# 2040

Delta R.T. -0.15 min

Lab File: VW006352.D

Acq: 25 Oct 2018 07:56

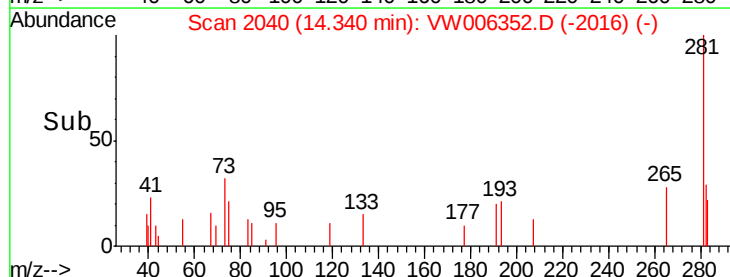
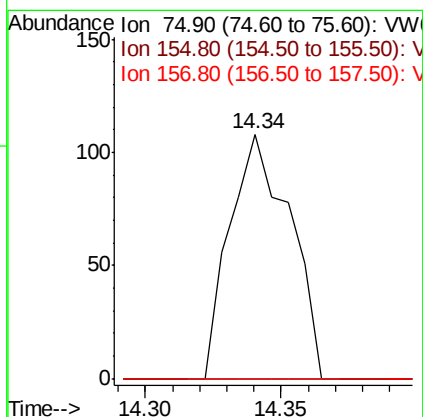
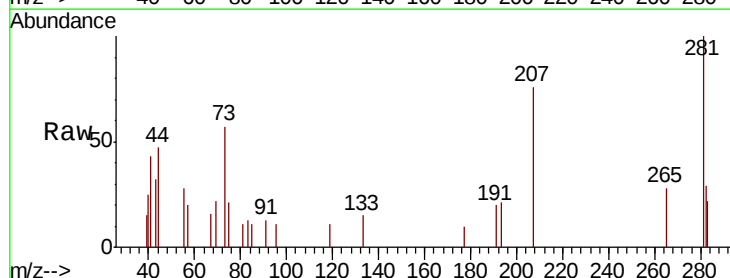
Tgt Ion: 75 Resp: 166

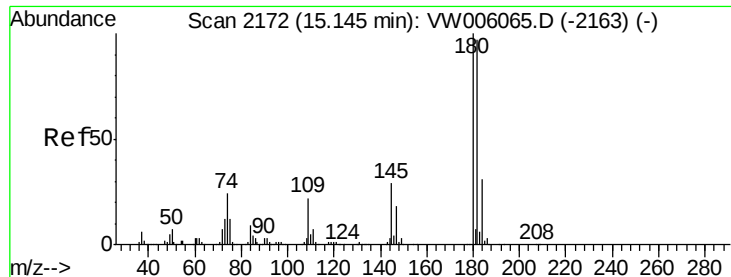
Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.5#

157 0.0 59.8 179.4#





#93
 1,2,4-Trichlorobenzene
 Concen: 2.409 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006352.D
 Acq: 25 Oct 2018 07:56

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-02A

Tot Ion:180 Resp: 2179
 Ion Ratio Lower Upper
 180 100
 182 102.5 47.9 143.6
 145 35.7 14.2 42.8

