

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102918\
 Data File : VW006444.D
 Acq On : 27 Oct 2018 10:26
 Operator : SY/AP
 Sample : J5624-05RE
 Misc : 3.49G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-03ARE

Quant Time: Oct 29 04:06:08 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	181734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	297158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	245908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	90306	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	99339	65.93	ug/l	0.00
Spiked Amount			Recovery	=	131.86%	
35) Dibromofluoromethane	7.88	113	11135	6.34	ug/l	0.00
Spiked Amount			Recovery	=	12.68%	
50) Toluene-d8	10.33	98	298198	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	
62) 4-Bromofluorobenzene	12.62	95	88701	35.35	ug/l	0.00
Spiked Amount			Recovery	=	70.70%	

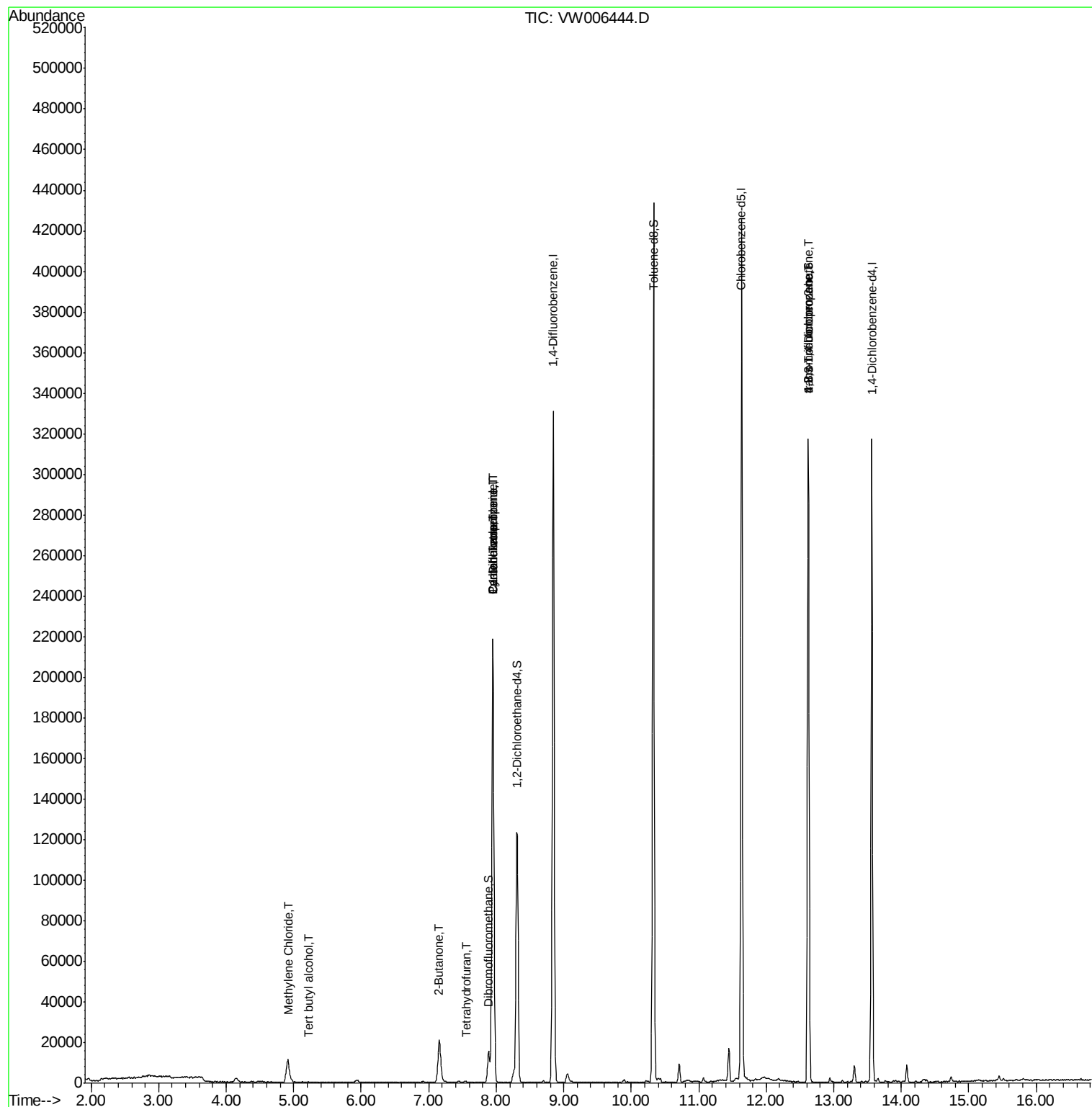
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	140	1.382	ug/l #	71
20) Methylene Chloride	4.92	84	9442	4.440	ug/l	85
25) 2-Butanone	7.15	43	545	1.339	ug/l #	46
29) Tetrahydrofuran	7.56	42	348	1.391	ug/l #	56
31) Cyclohexane	7.95	56	3188	1.156	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	11795	4.306	ug/l #	49
38) Carbon Tetrachloride	7.95	117	16103	5.363	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	44999	65.239	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	44999	155.946	ug/l #	10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
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: VW006444.D

Acq: 27 Oct 2018 10:26

Instrument :

MSVOA_W

ClientSampled :

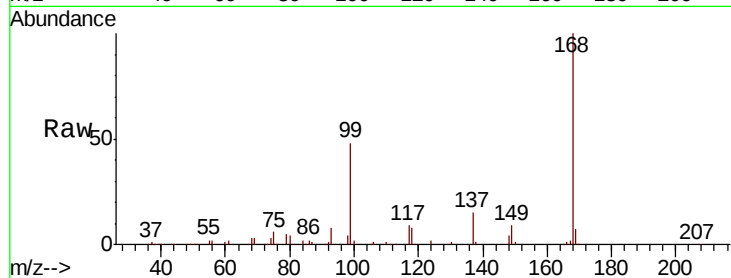
PA-SB-03ARE

Tot Ion:168 Resp: 181734

Ion Ratio Lower Upper

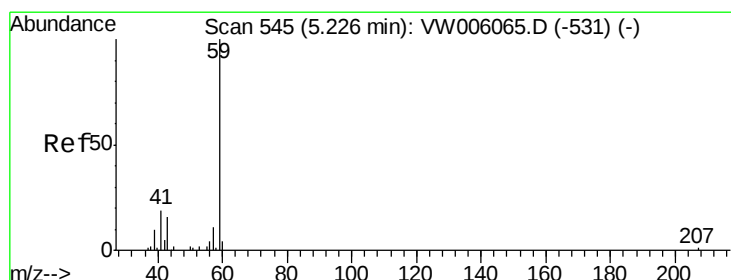
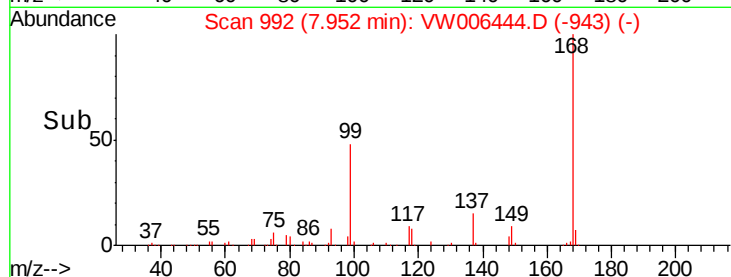
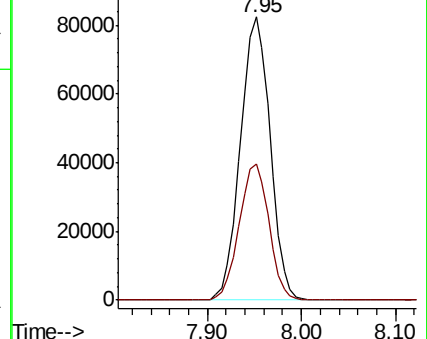
168 100

99 48.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.382 ug/l

RT: 5.23 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW006444.D

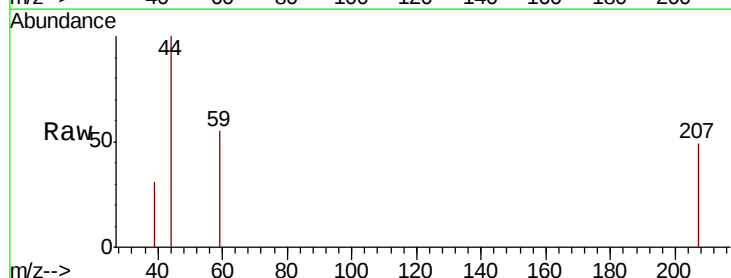
Acq: 27 Oct 2018 10:26

Tgt Ion: 59 Resp: 140

Ion Ratio Lower Upper

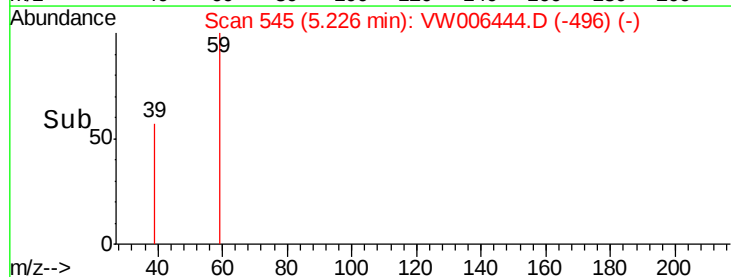
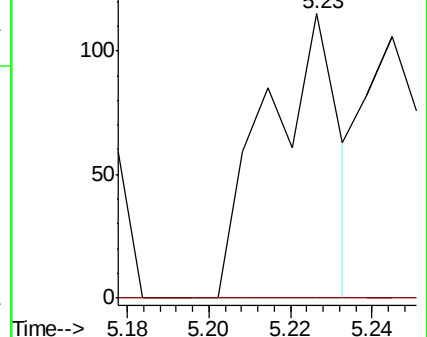
59 100

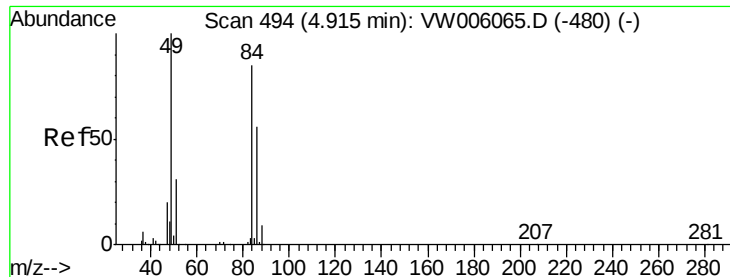
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

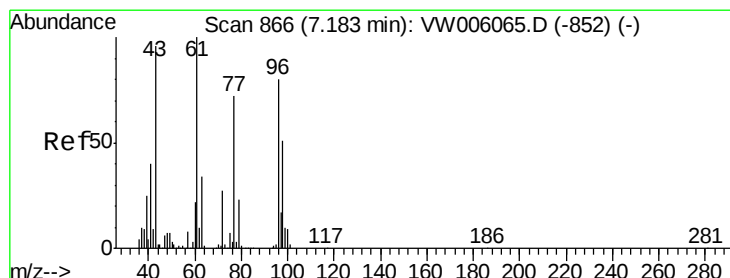
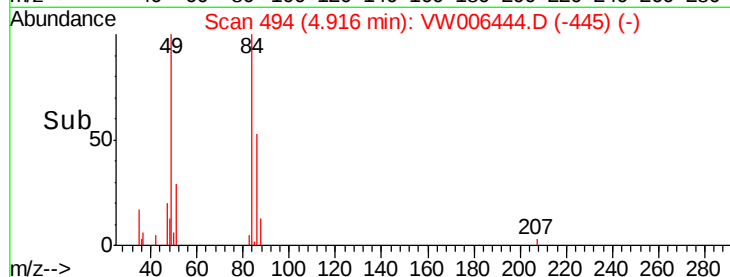
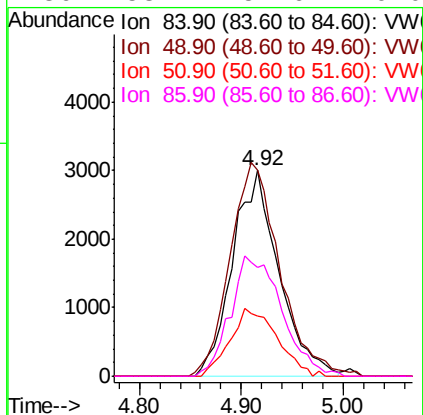
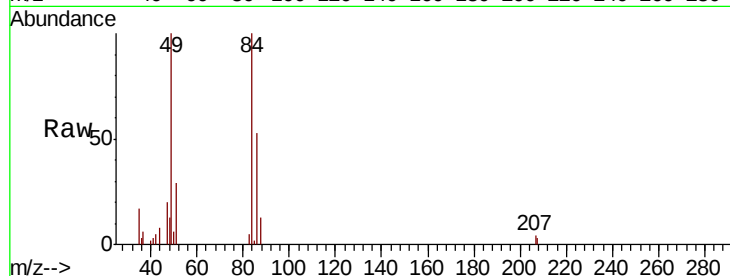




#20
Methylene Chloride
Concen: 4.440 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006444.D
Acq: 27 Oct 2018 10:26

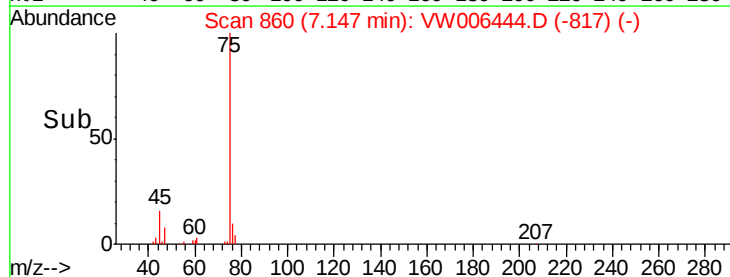
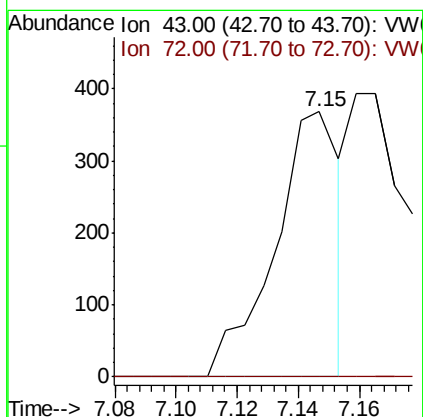
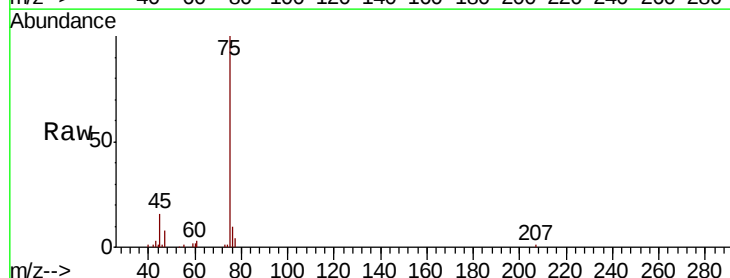
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-03ARE

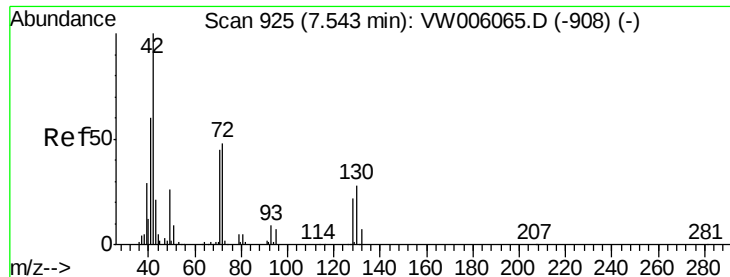
Tot Ion:	84	Resp:	9442
Ion	Ratio	Lower	Upper
84	100		
49	100.1	93.6	140.4
51	29.4	29.0	43.4
86	53.2	52.6	79.0



#25
2-Butanone
Concen: 1.339 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.04 min
Lab File: VW006444.D
Acq: 27 Oct 2018 10:26

Tgt Ion:	43	Resp:	545
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#

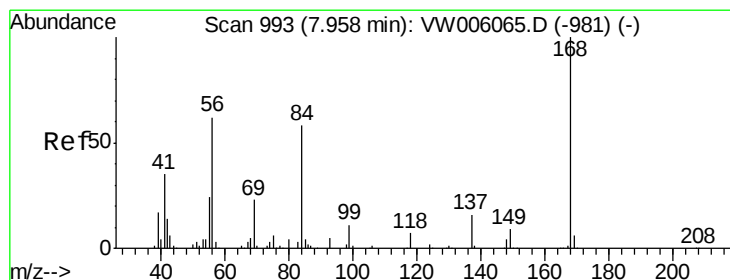
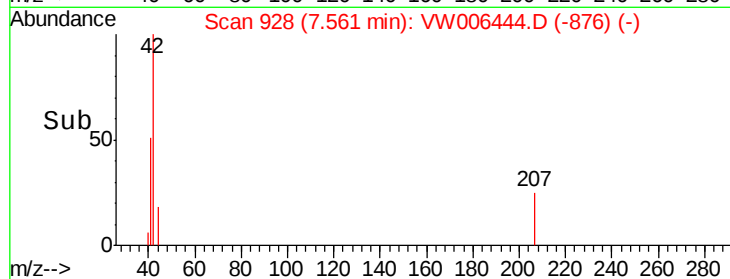
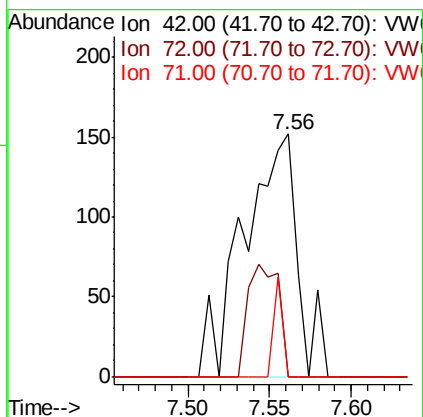
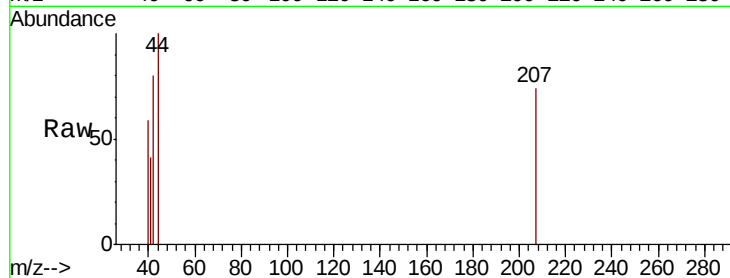




#29
Tetrahydrofuran
Concen: 1.391 ug/l
RT: 7.56 min Scan# 928
Delta R.T. 0.02 min
Lab File: VW006444.D
Acq: 27 Oct 2018 10:26

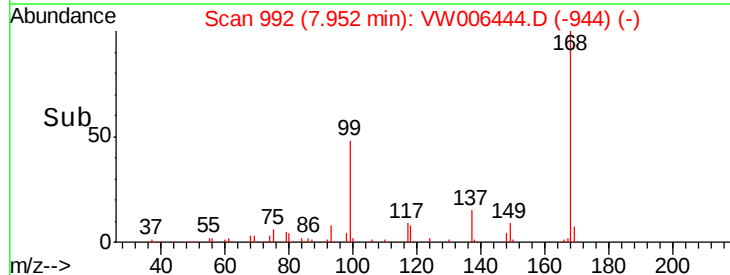
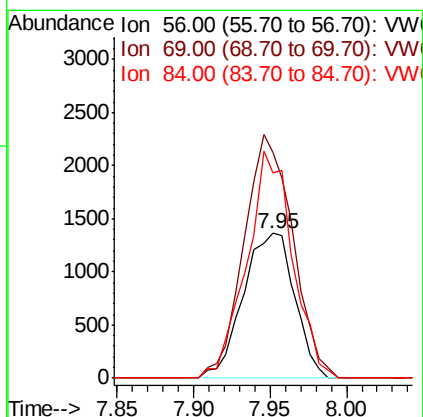
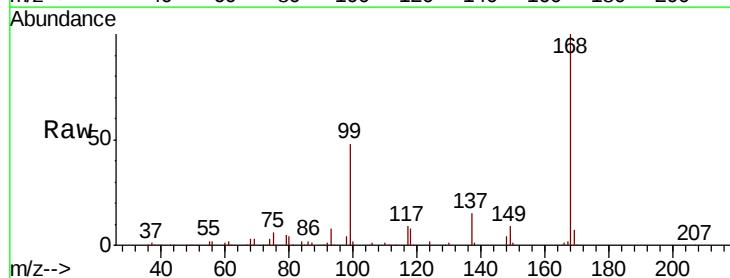
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-03ARE

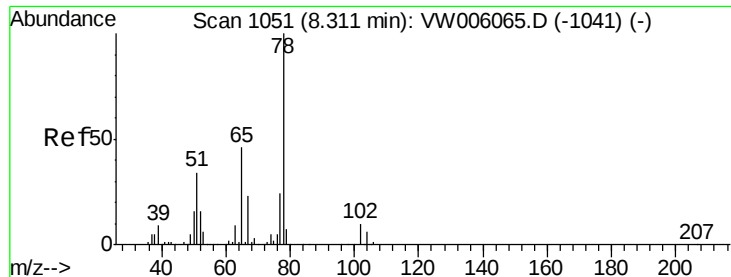
Tot Ion: 42 Resp: 348
Ion Ratio Lower Upper
42 100
72 26.7 38.0 57.0#
71 6.6 35.3 52.9#



#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006444.D
Acq: 27 Oct 2018 10:26

Tgt Ion: 56 Resp: 3188
Ion Ratio Lower Upper
56 100
69 155.9 29.4 44.0#
84 142.0 74.0 111.0#





#33

1,2-Dichloroethane-d4

Concen: 65.933 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006444.D

Acq: 27 Oct 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

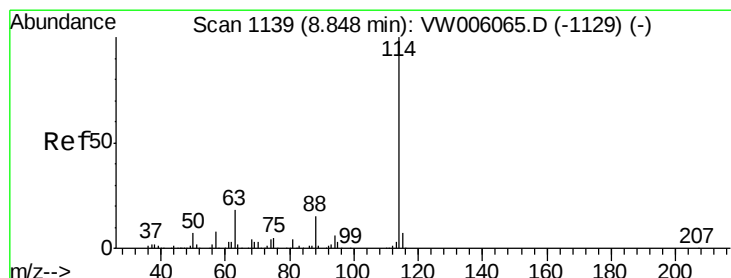
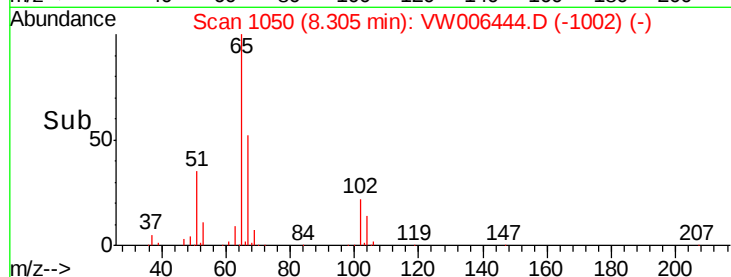
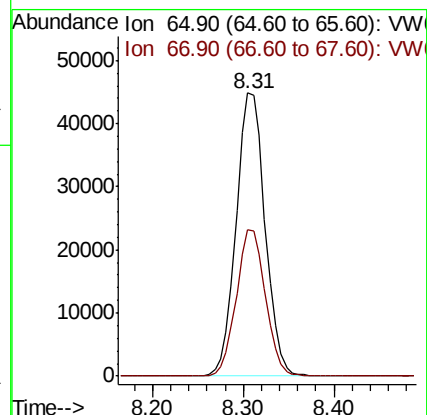
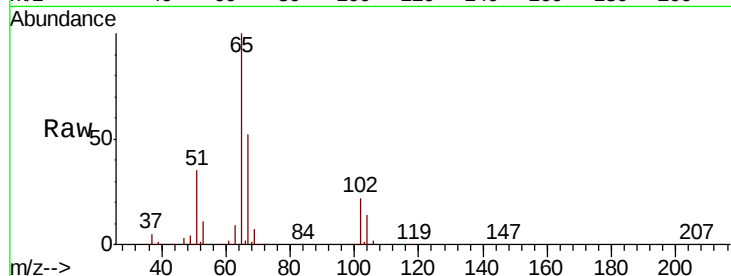
PA-SB-03ARE

Tot Ion: 65 Resp: 99339

Ion Ratio Lower Upper

65 100

67 51.8 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: VW006444.D

Acq: 27 Oct 2018 10:26

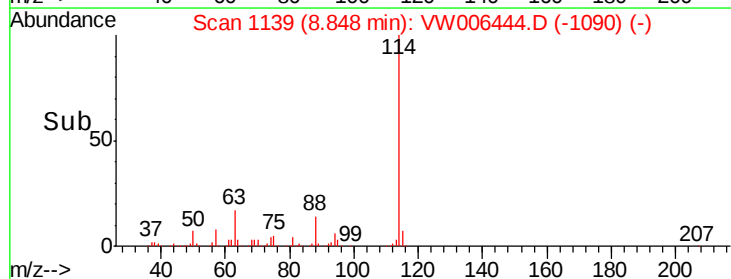
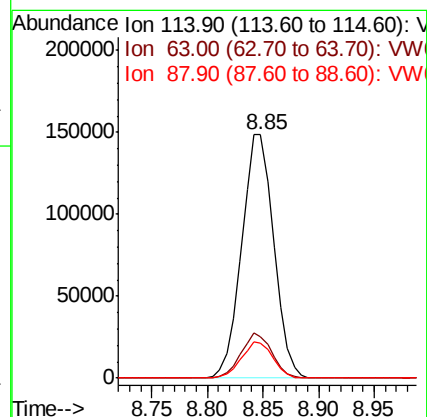
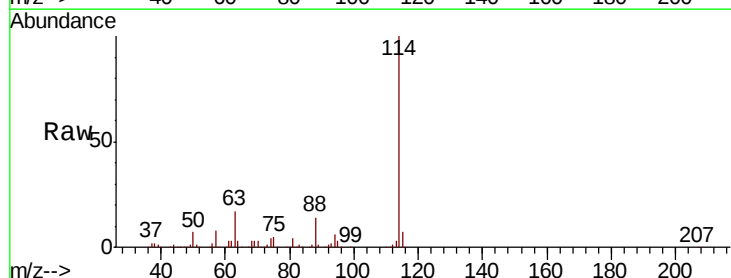
Tgt Ion: 114 Resp: 297158

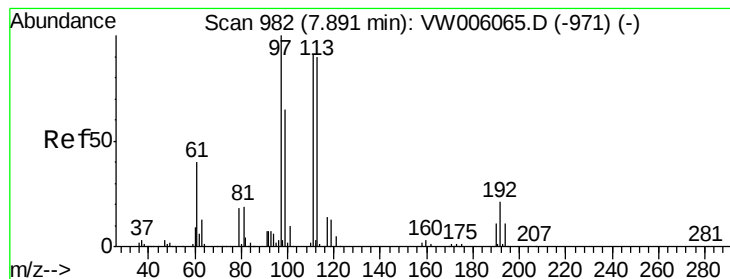
Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.8

88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 6.342 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006444.D

Acq: 27 Oct 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-03ARE

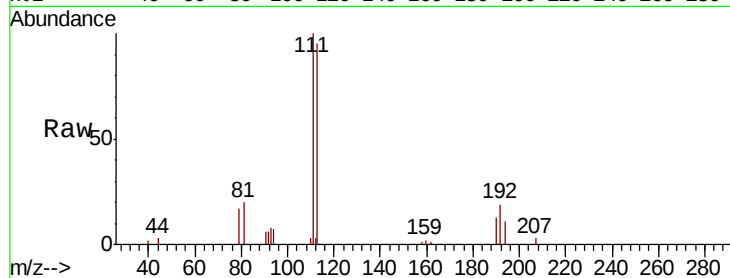
Tot Ion:113 Resp: 11135

Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

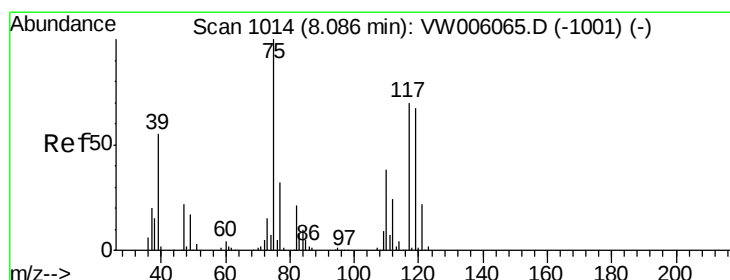
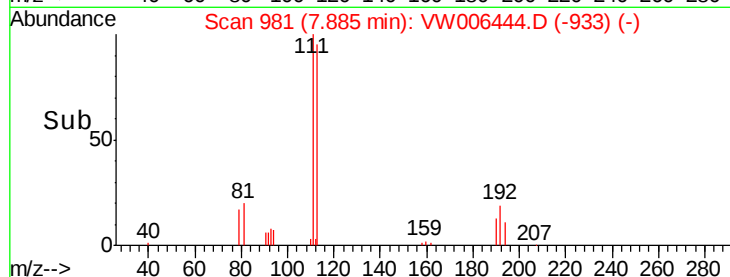
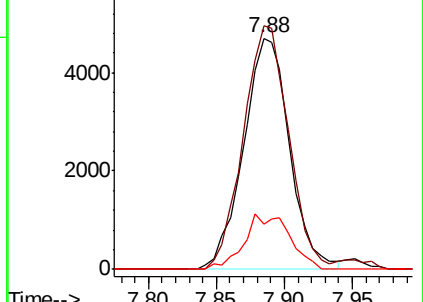
192 23.3 18.7 28.1



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: 4.306 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006444.D

Acq: 27 Oct 2018 10:26

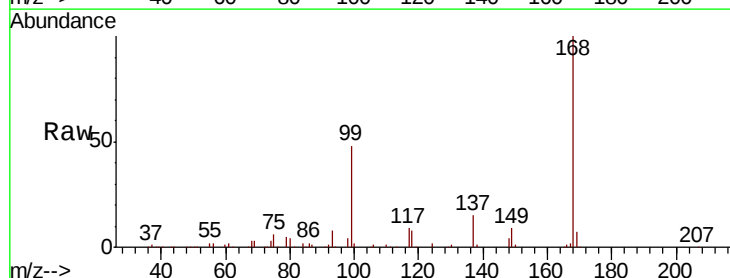
Tgt Ion: 75 Resp: 11795

Ion Ratio Lower Upper

75 100

110 9.9 19.1 57.1#

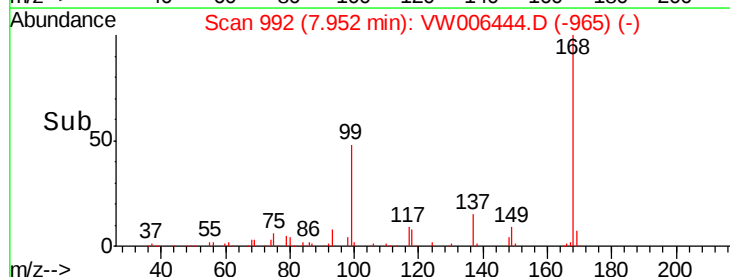
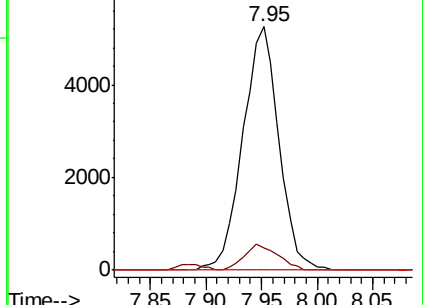
77 0.0 25.0 37.4#

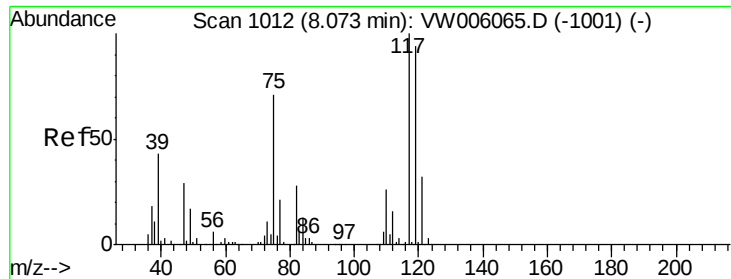


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

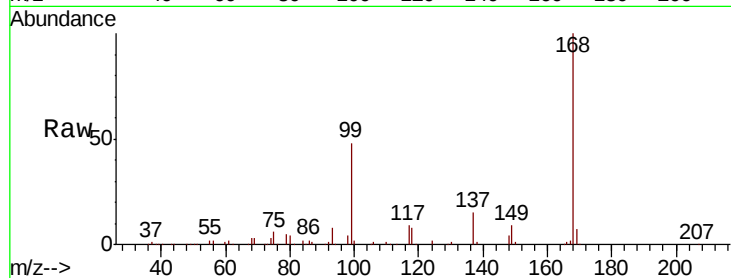




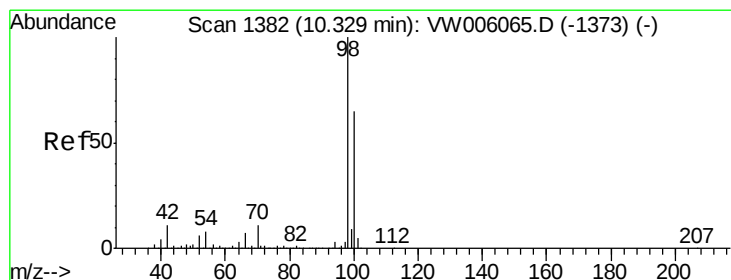
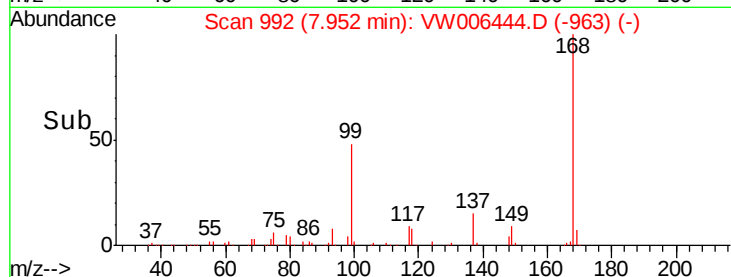
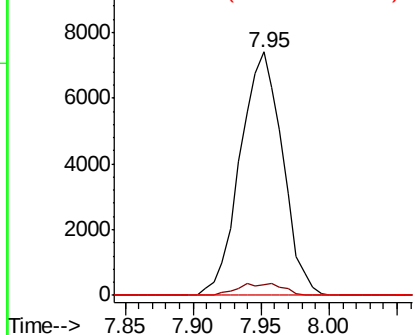
#38
Carbon Tetrachloride
Concen: 5.363 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006444.D
Acq: 27 Oct 2018 10:26

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-03ARE

Tot Ion:117 Resp: 16103
Ion Ratio Lower Upper
117 100
119 4.3 75.2 112.8#
121 0.0 25.3 37.9#

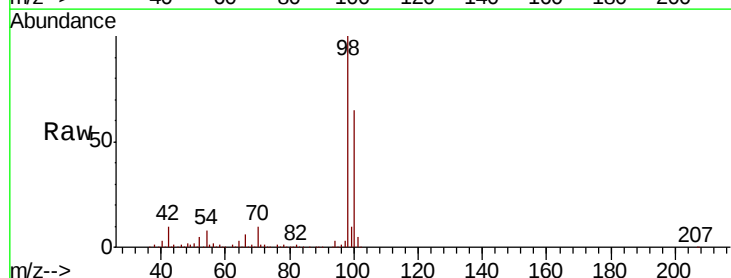


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

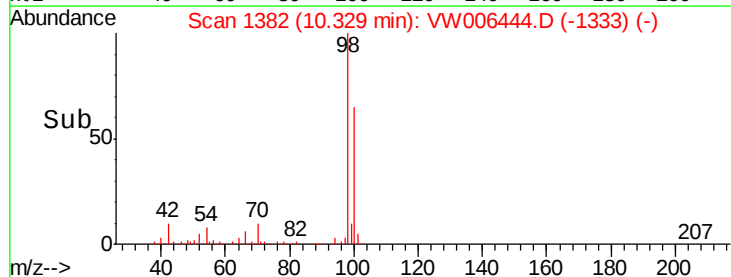
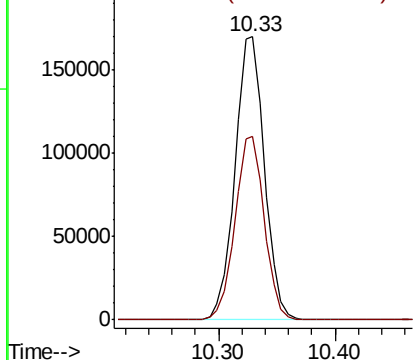


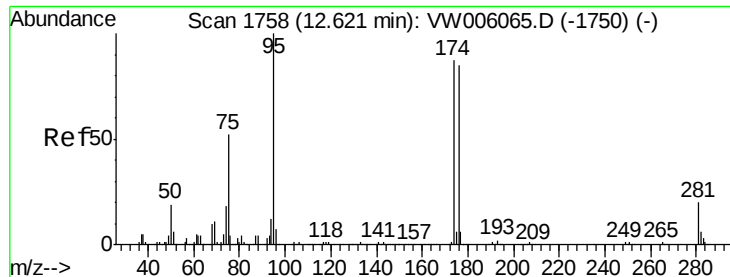
#50
Toluene-d8
Concen: 44.638 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006444.D
Acq: 27 Oct 2018 10:26

Tgt Ion: 98 Resp: 298198
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



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





#62

4-Bromofluorobenzene

Concen: 35.353 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006444.D

Acq: 27 Oct 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-03ARE

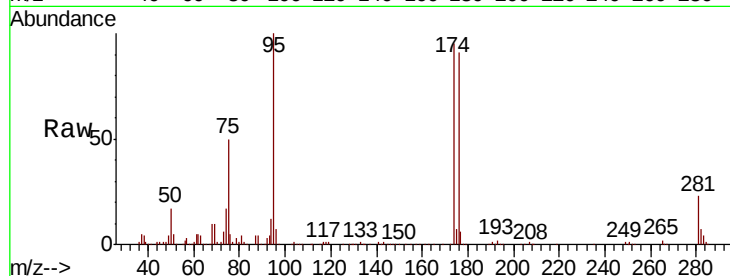
Tot Ion: 95 Resp: 88701

Ion Ratio Lower Upper

95 100

174 98.4 0.0 186.0

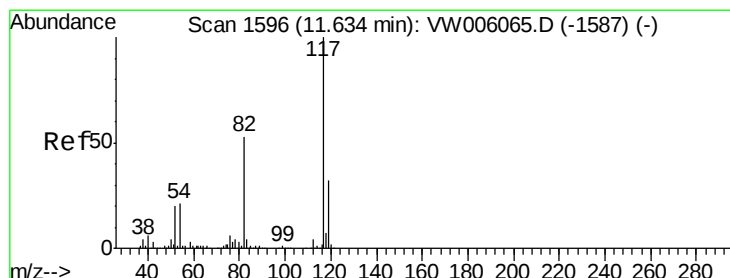
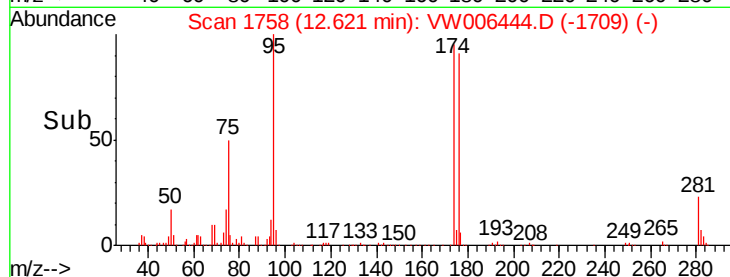
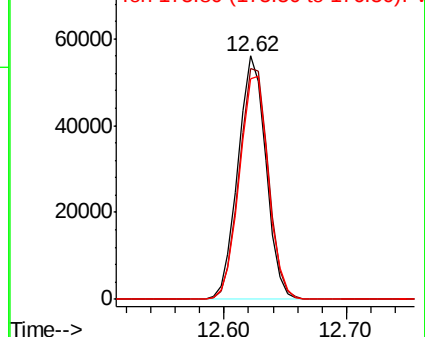
176 95.0 0.0 181.6



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: VW006444.D

Acq: 27 Oct 2018 10:26

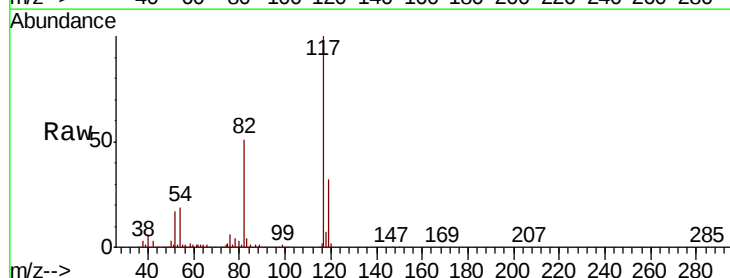
Tgt Ion: 117 Resp: 245908

Ion Ratio Lower Upper

117 100

82 51.2 42.1 63.1

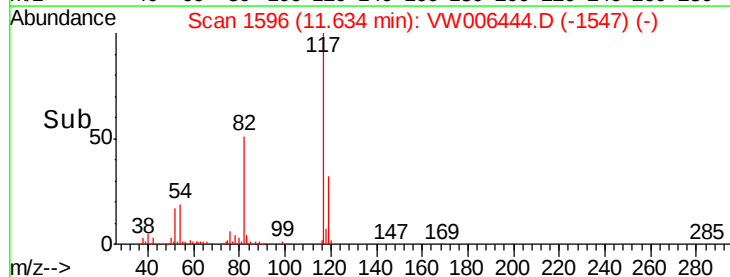
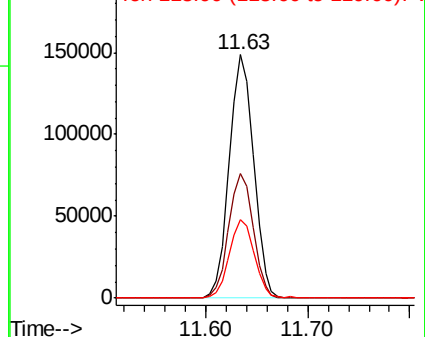
119 32.1 25.8 38.6

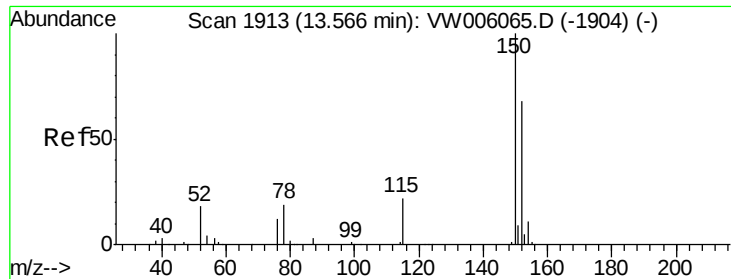


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW006444.D

Acq: 27 Oct 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-03ARE

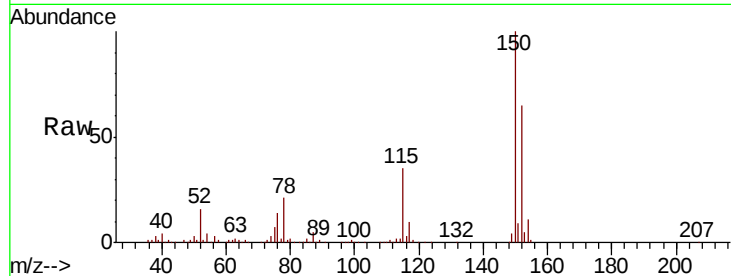
Tot Ion:152 Resp: 90306

Ion Ratio Lower Upper

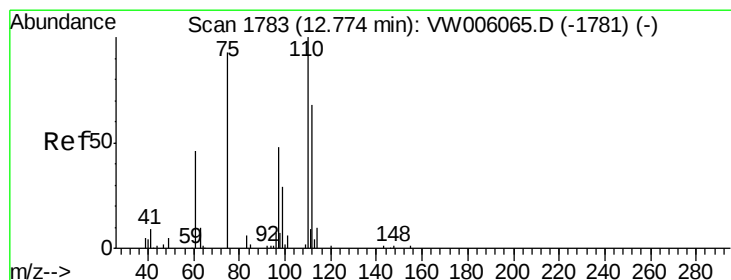
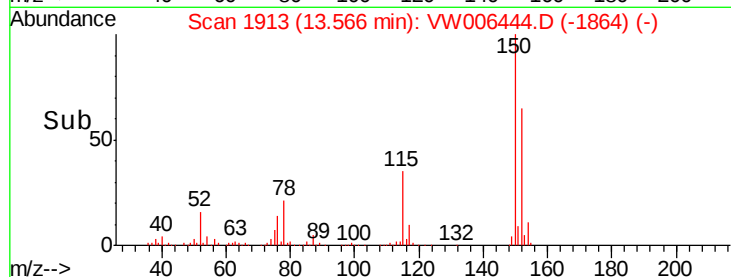
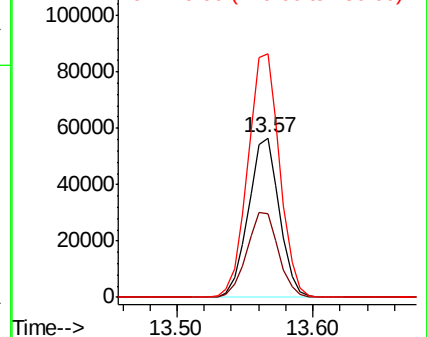
152 100

115 54.3 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: 65.239 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006444.D

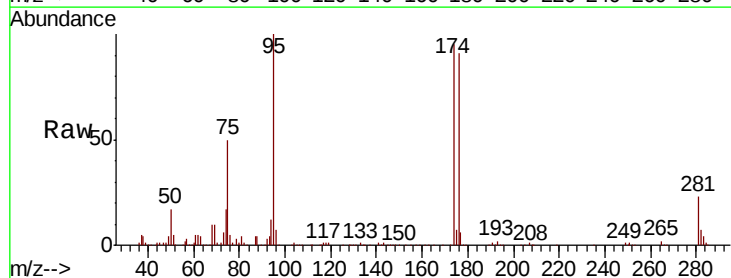
Acq: 27 Oct 2018 10:26

Tgt Ion: 75 Resp: 44999

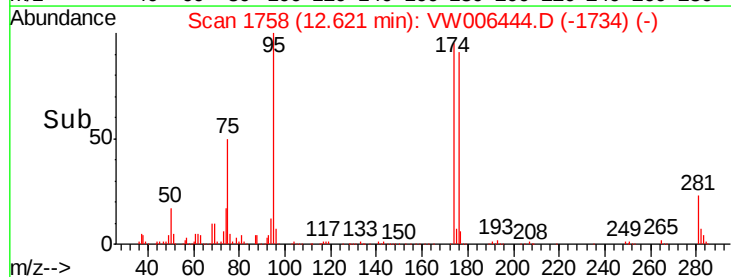
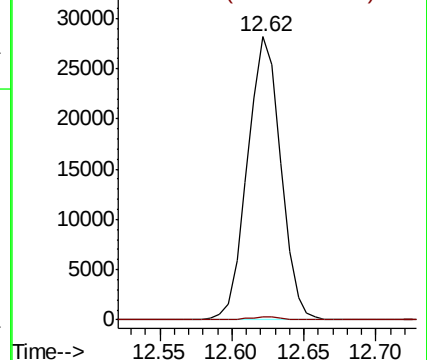
Ion Ratio Lower Upper

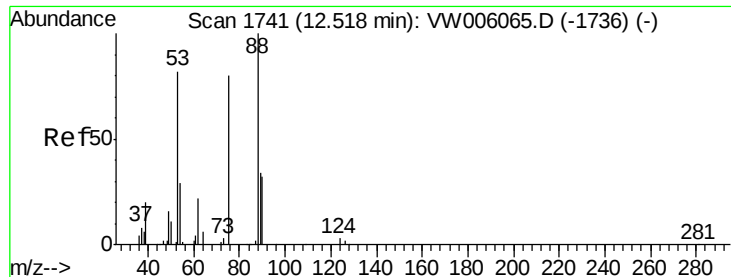
75 100

77 1.2 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: 155.946 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006444.D

Acq: 27 Oct 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-03ARE

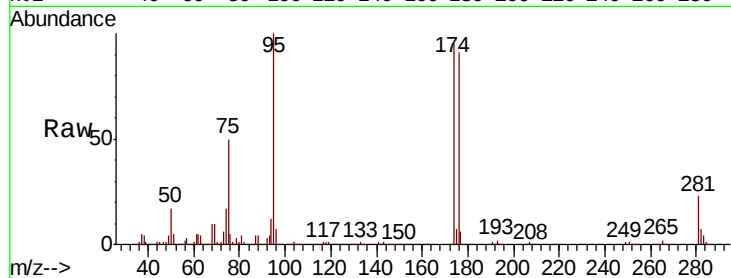
Tot Ion: 75 Resp: 44999

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



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

