

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007517.D
 Acq On : 14 Dec 2018 05:52
 Operator : SY/AP
 Sample : J6357-08
 Misc : 2.02G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09A

Quant Time: Dec 14 06:42:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	42205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	55572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	33260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	7419	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	27463	58.65	ug/l	0.00
Spiked Amount			Recovery	=	117.30%	
35) Dibromofluoromethane	7.88	113	25622	76.17	ug/l	0.00
Spiked Amount			Recovery	=	152.34%	
50) Toluene-d8	10.32	98	47158	37.39	ug/l	0.00
Spiked Amount			Recovery	=	74.78%	
62) 4-Bromofluorobenzene	12.62	95	7876	16.98	ug/l	0.00
Spiked Amount			Recovery	=	33.96%	

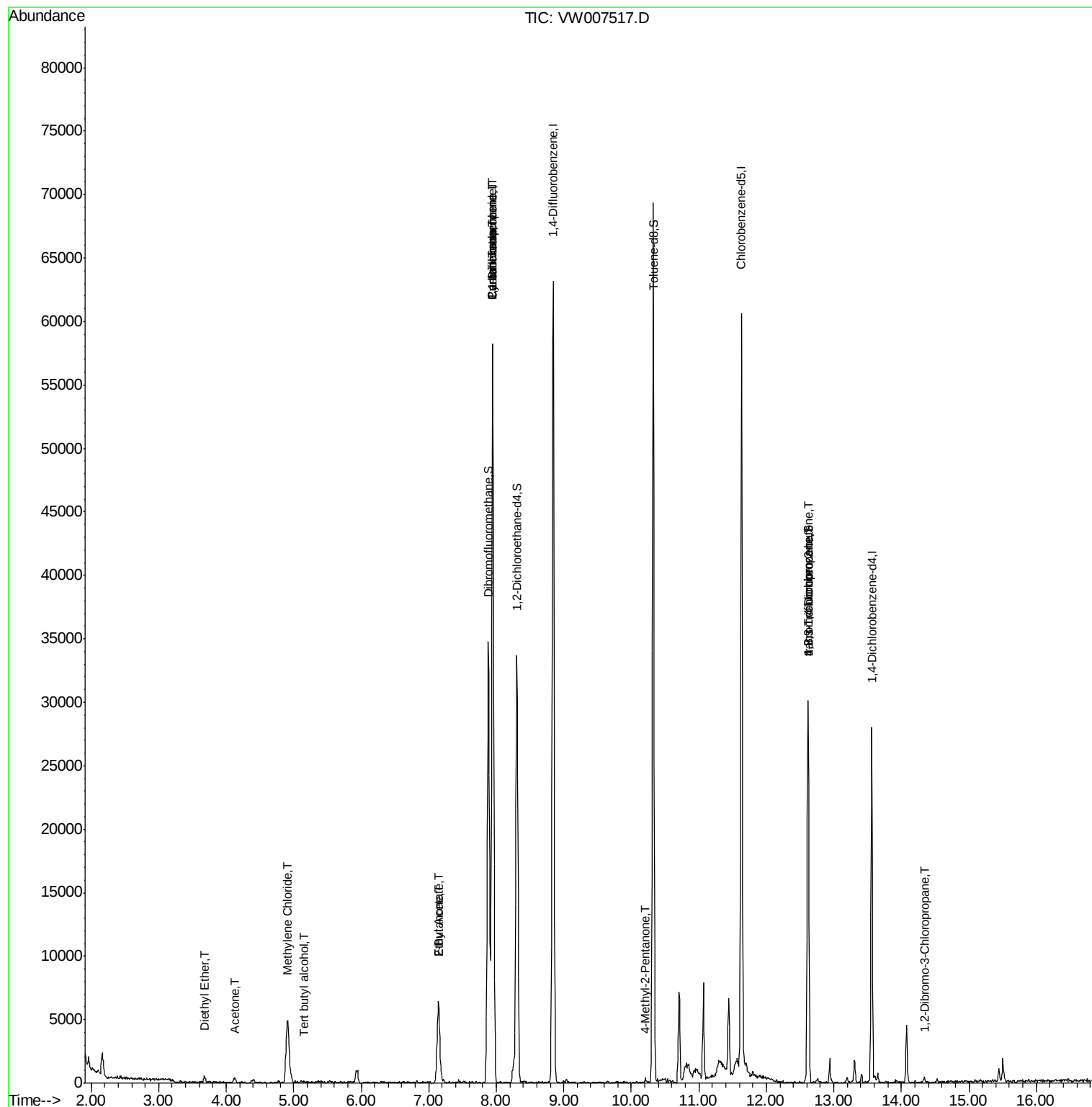
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	259	1.270	ug/l	86
11) Tert butyl alcohol	5.15	59	94	2.923	ug/l #	74
16) Acetone	4.12	43	638	7.801	ug/l	96
20) Methylene Chloride	4.90	84	4498	6.661	ug/l #	96
25) 2-Butanone	7.15	43	352	3.297	ug/l #	45
31) Cyclohexane	7.95	56	935	1.285	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	3224	6.360	ug/l #	47
37) Ethyl Acetate	7.15	43	352	1.867	ug/l #	54
38) Carbon Tetrachloride	7.95	117	4431	8.033	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	336	1.909	ug/l #	76
76) 1,2,3-Trichloropropane	12.62	75	4156	67.940	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	4156	150.080	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.35	75	26	1.539	ug/l #	3

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

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Quant Time: Dec 14 06:42:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007517.D

Acq: 14 Dec 2018 05:52

Instrument :

MSVOA_W

ClientSampled :

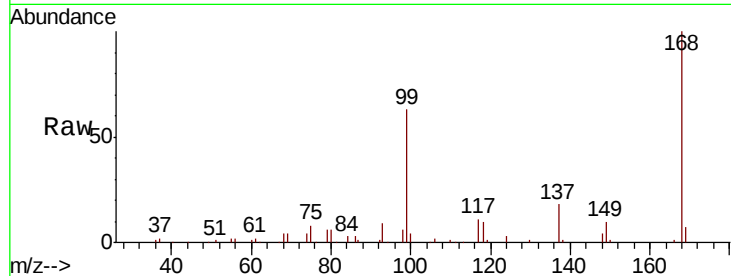
SB-09A

Tot Ion:168 Resp: 42205

Ion Ratio Lower Upper

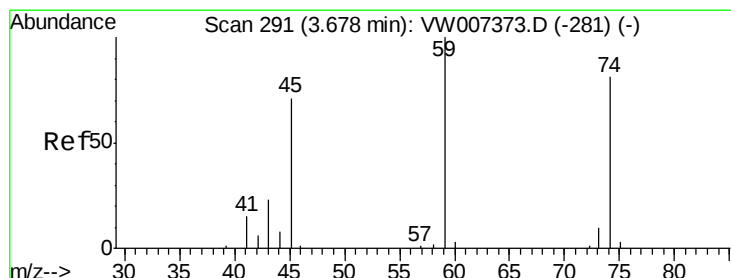
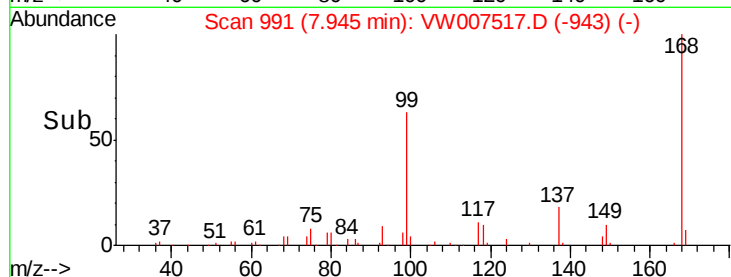
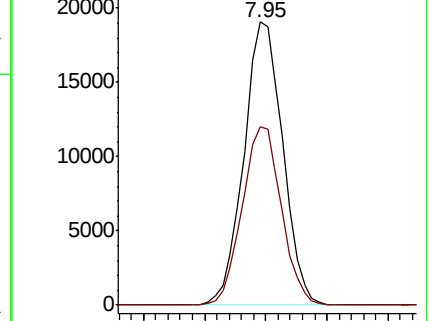
168 100

99 63.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.270 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW007517.D

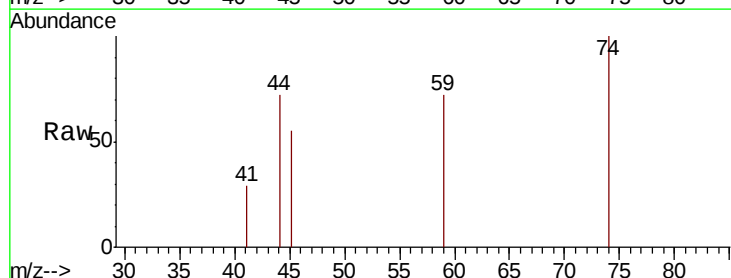
Acq: 14 Dec 2018 05:52

Tgt Ion: 74 Resp: 259

Ion Ratio Lower Upper

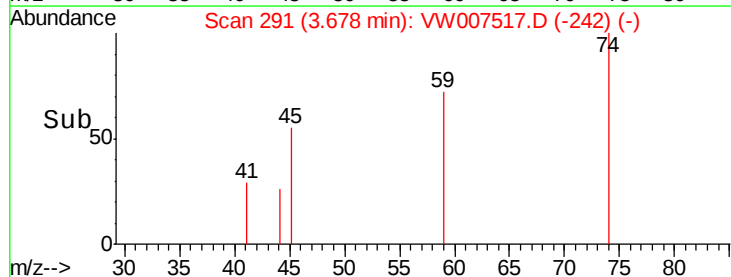
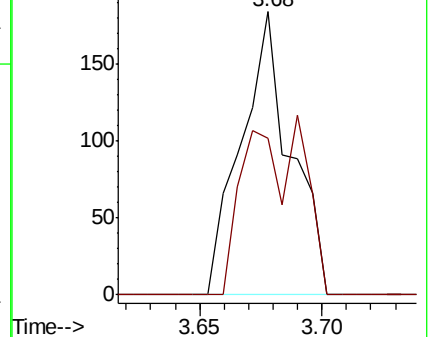
74 100

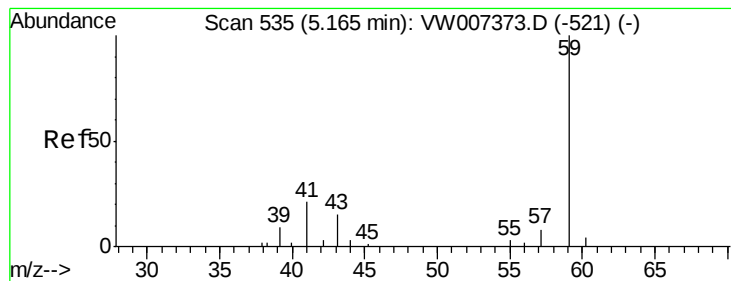
45 73.4 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



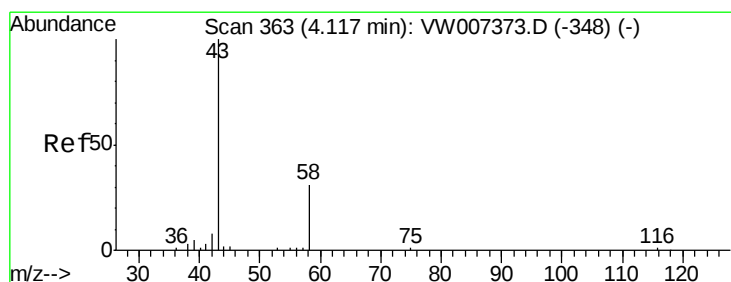
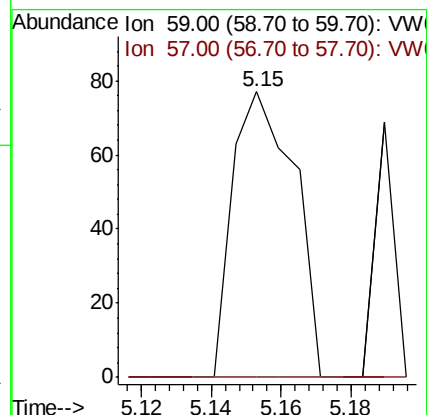
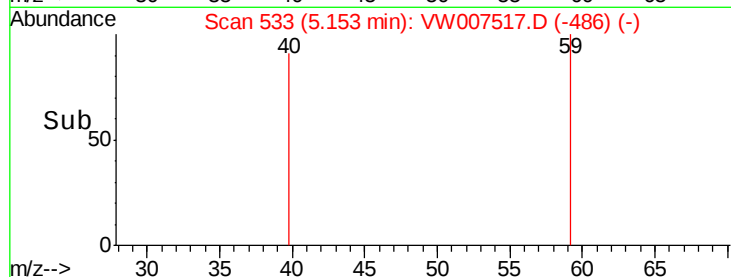
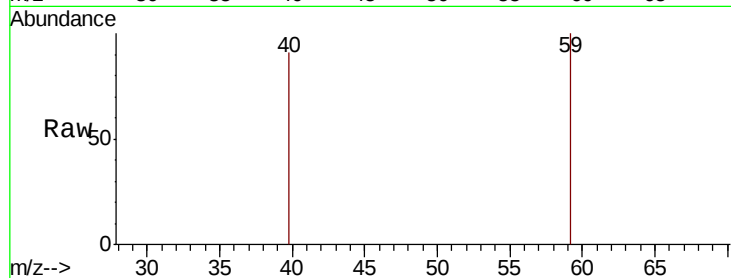


#11

Tert butyl alcohol
 Concen: 2.923 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW007517.D
 Acq: 14 Dec 2018 05:52

Instrument :
 MSVOA_W
 ClientSampled :
 SB-09A

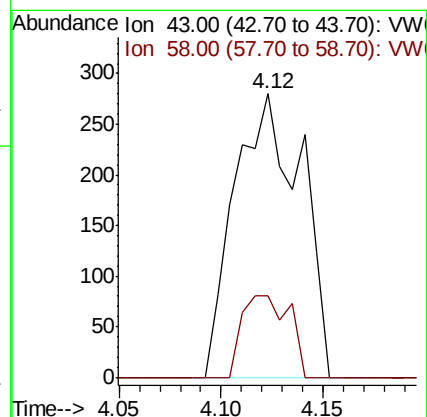
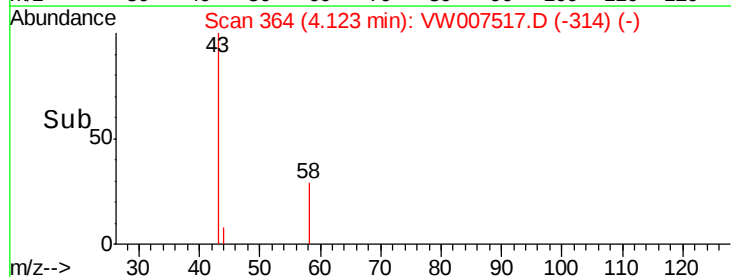
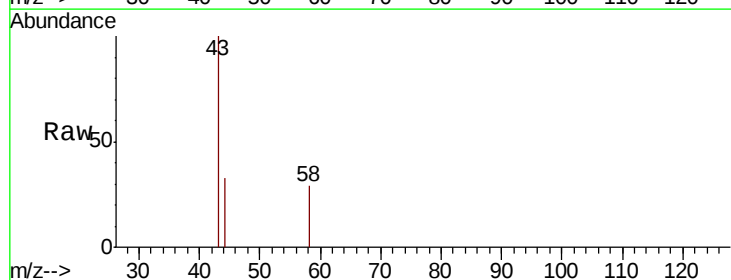
Tot Ion: 59 Resp: 94
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

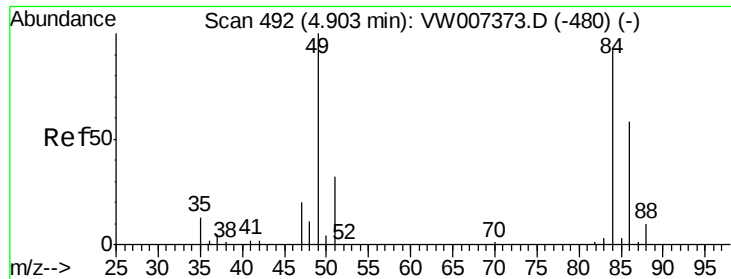


#16

Acetone
 Concen: 7.801 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW007517.D
 Acq: 14 Dec 2018 05:52

Tgt Ion: 43 Resp: 638
 Ion Ratio Lower Upper
 43 100
 58 28.9 24.9 37.3

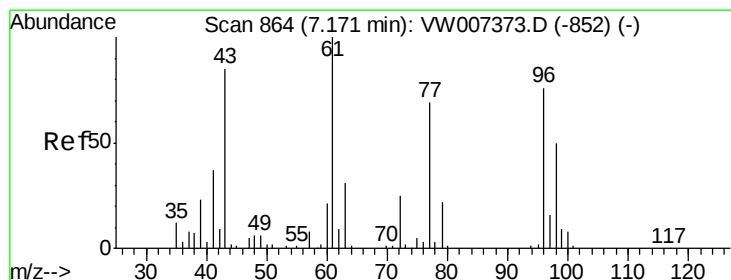
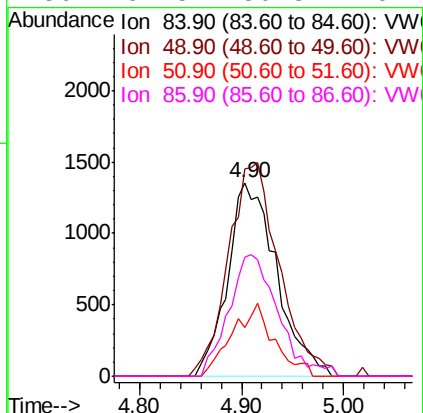
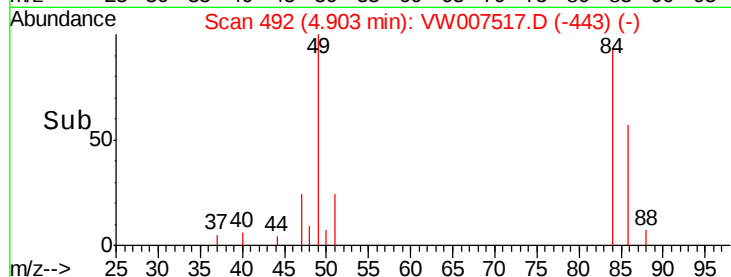
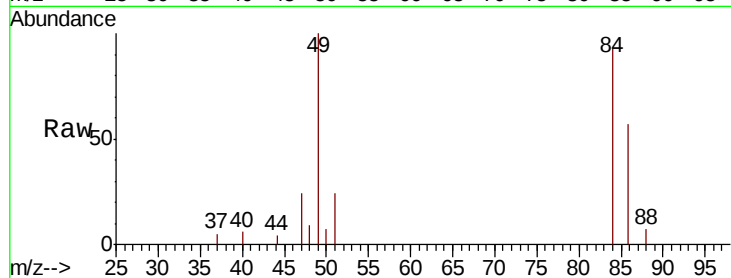




#20
Methvlene Chloride
Concen: 6.661 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007517.D
Acq: 14 Dec 2018 05:52

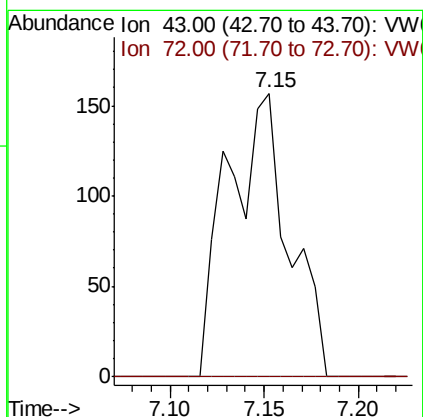
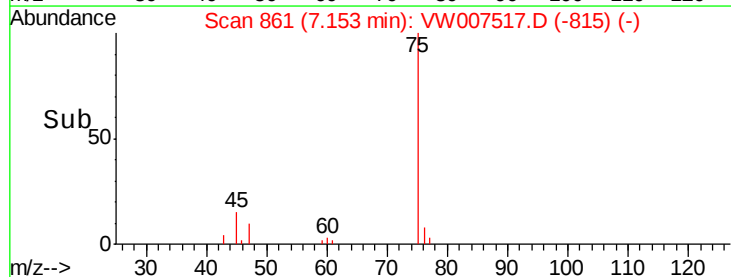
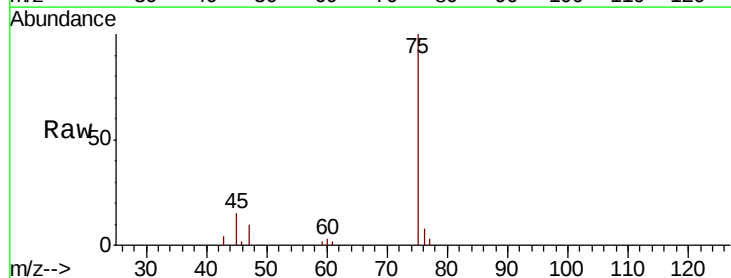
Instrument :
MSVOA_W
ClientSampleId :
SB-09A

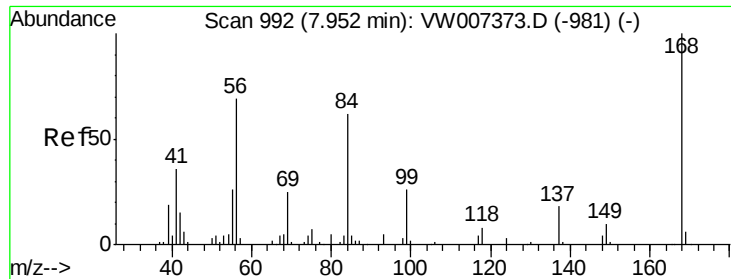
Tot Ion: 84 Resp: 4498
Ion Ratio Lower Upper
84 100
49 107.3 87.1 130.7
51 25.5 28.2 42.2#
86 61.5 50.8 76.2



#25
2-Butanone
Concen: 3.297 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW007517.D
Acq: 14 Dec 2018 05:52

Tgt Ion: 43 Resp: 352
Ion Ratio Lower Upper
43 100
72 0.0 23.4 35.2#

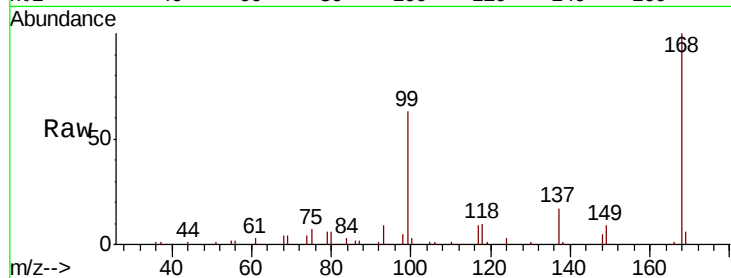




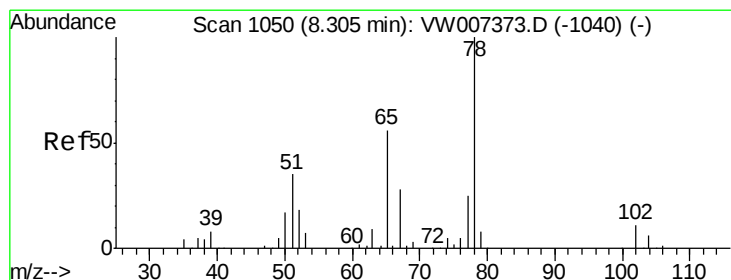
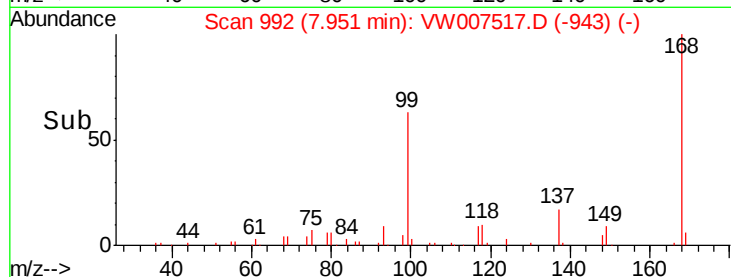
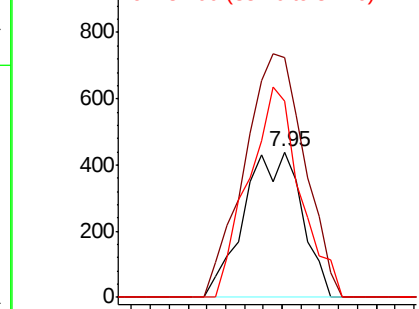
#31
Cyclohexane
Concen: 1.285 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007517.D
Acq: 14 Dec 2018 05:52

Instrument :
MSVOA_W
ClientSampled :
SB-09A

Tot Ion: 56 Resp: 935
Ion Ratio Lower Upper
56 100
69 164.9 28.9 43.3#
84 135.1 71.8 107.6#

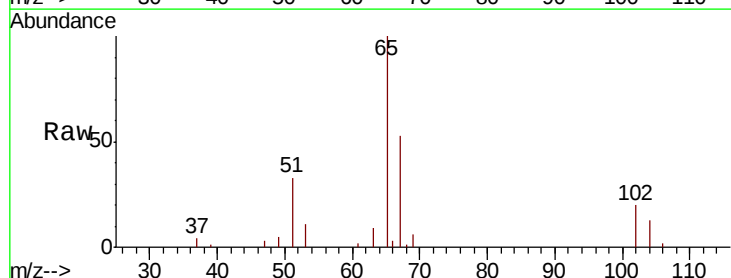


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

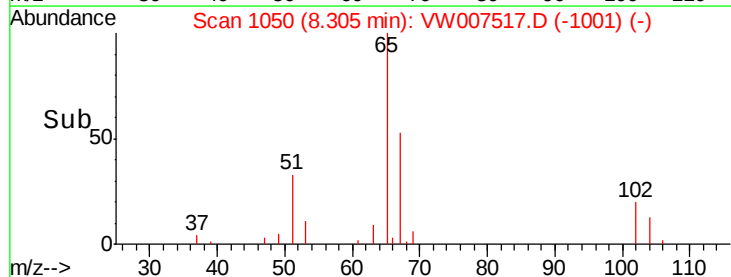
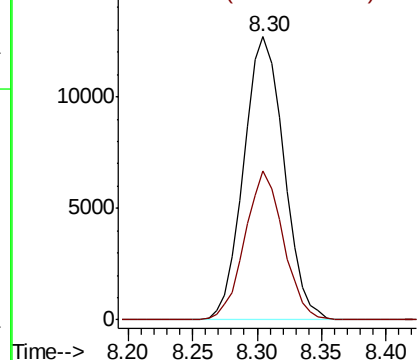


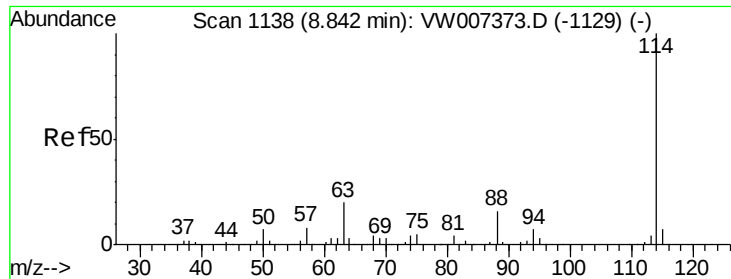
#33
1,2-Dichloroethane-d4
Concen: 58.653 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007517.D
Acq: 14 Dec 2018 05:52

Tgt Ion: 65 Resp: 27463
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.6



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

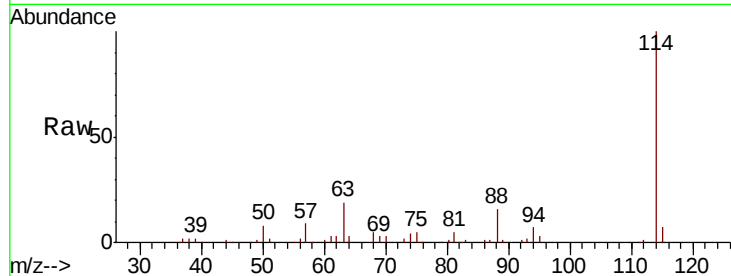




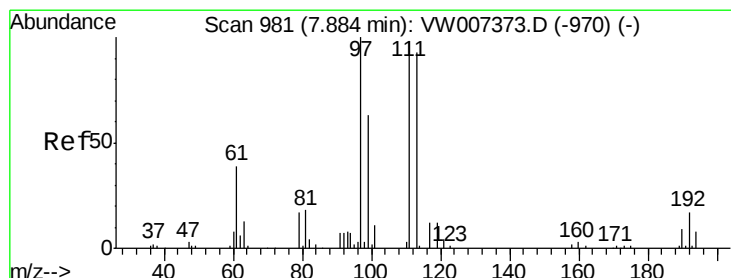
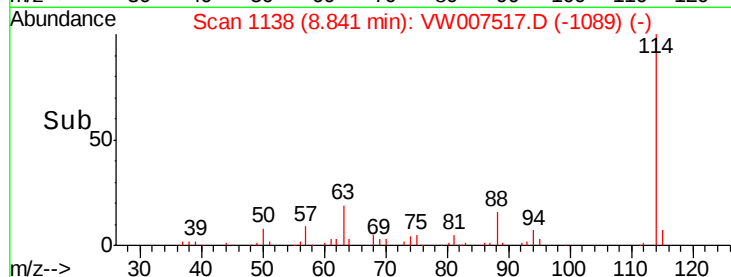
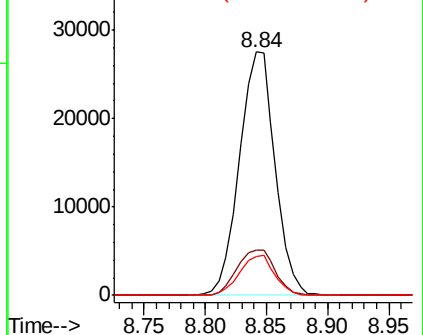
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007517.D
 Acq: 14 Dec 2018 05:52

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09A

Tot Ion:114 Resp: 55572
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.6
 88 16.2 0.0 31.4

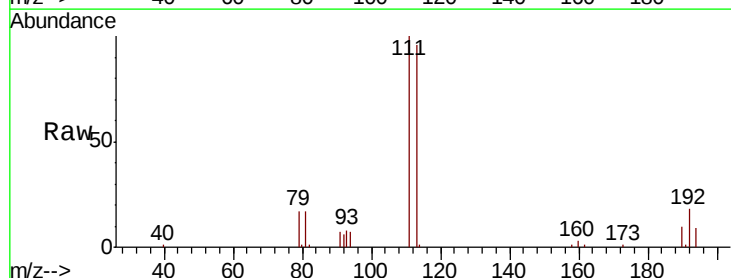


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

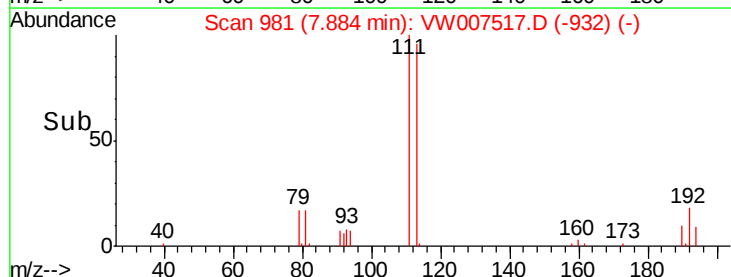
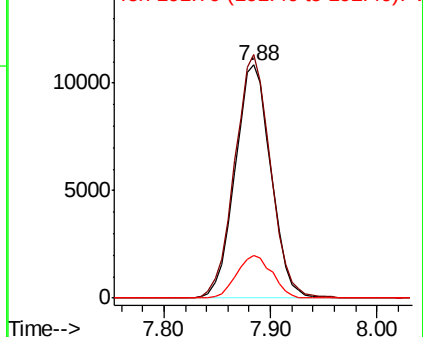


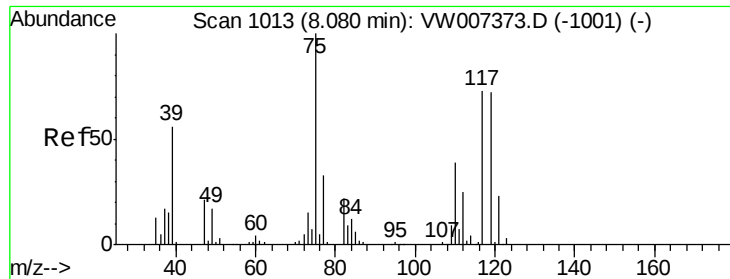
#35
 Dibromofluoromethane
 Concen: 76.165 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007517.D
 Acq: 14 Dec 2018 05:52

Tgt Ion:113 Resp: 25622
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.1 121.7
 192 18.2 14.6 21.8



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

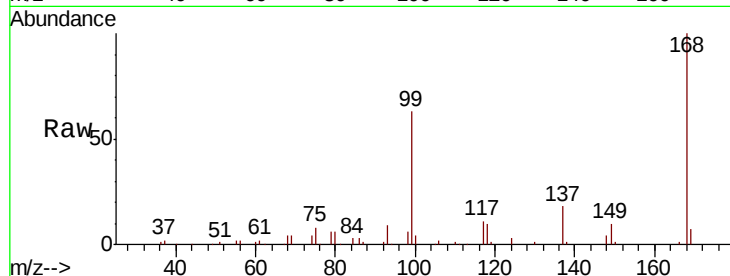




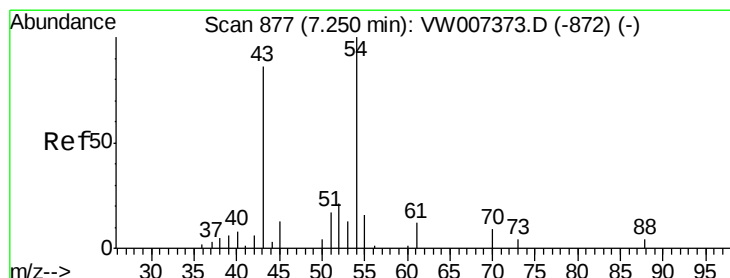
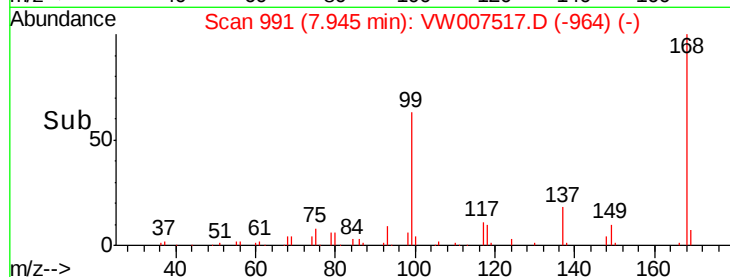
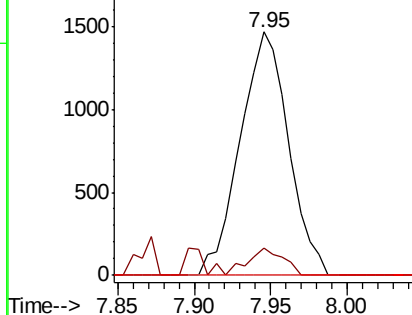
#36
 1,1-Dichloropropene
 Concen: 6.360 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007517.D
 Acq: 14 Dec 2018 05:52

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09A

Tot Ion: 75 Resp: 3224
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.5 55.5#
 77 0.0 25.6 38.4#

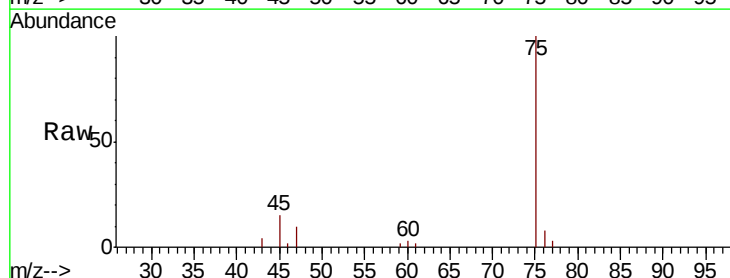


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): VW
 Ion 76.90 (76.60 to 77.60): VW

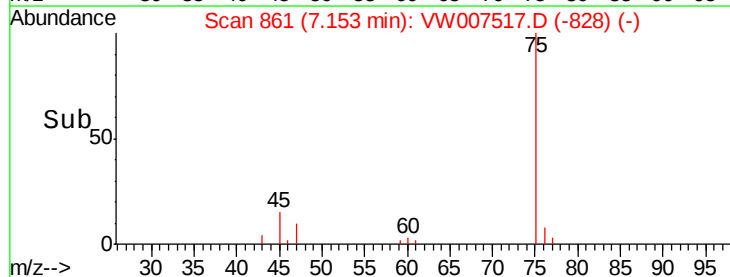
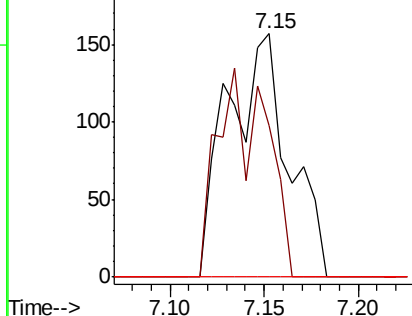


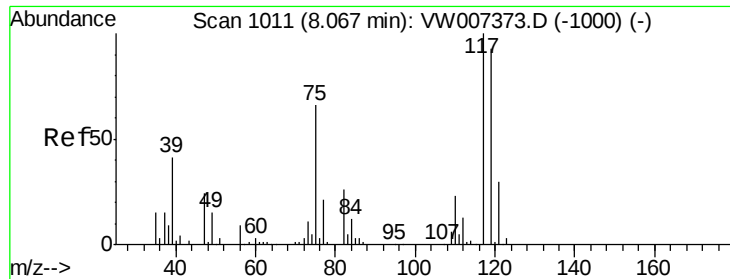
#37
 Ethyl Acetate
 Concen: 1.867 ug/l
 RT: 7.15 min Scan# 861
 Delta R.T. -0.10 min
 Lab File: VW007517.D
 Acq: 14 Dec 2018 05:52

Tgt Ion: 43 Resp: 352
 Ion Ratio Lower Upper
 43 100
 61 39.5 12.1 18.1#
 70 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 70.00 (69.70 to 70.70): VW

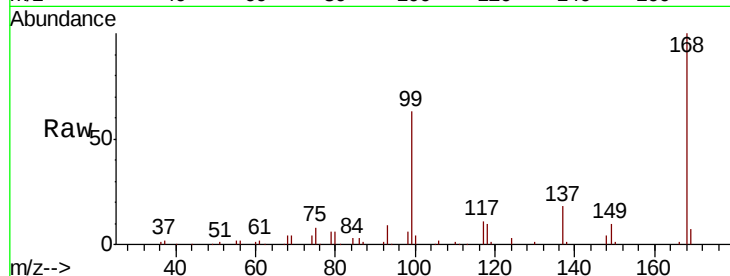




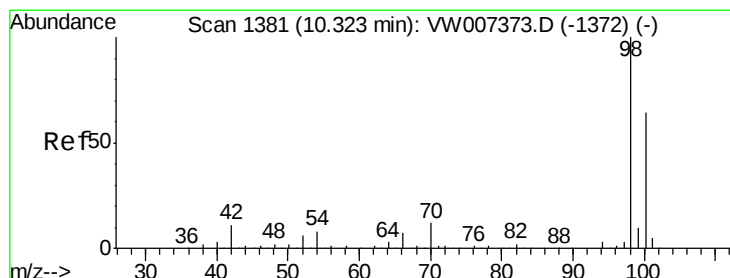
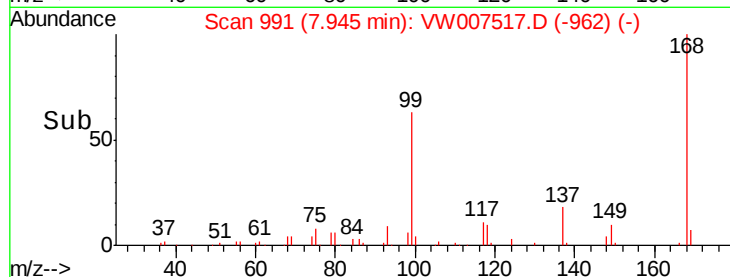
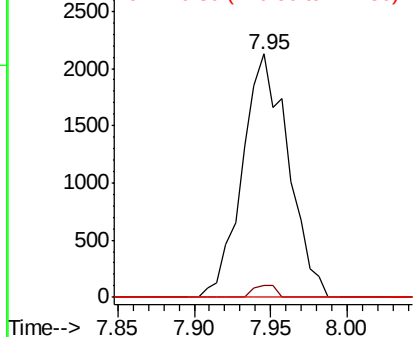
#38
Carbon Tetrachloride
Concen: 8.033 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007517.D
Acq: 14 Dec 2018 05:52

Instrument :
MSVOA_W
ClientSampleId :
SB-09A

Tot Ion:117 Resp: 4431
Ion Ratio Lower Upper
117 100
119 4.9 74.3 111.5#
121 0.0 24.3 36.5#

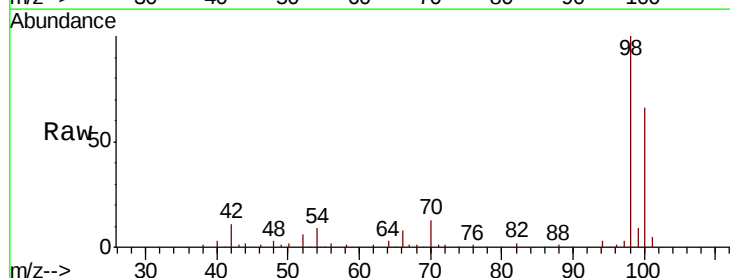


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

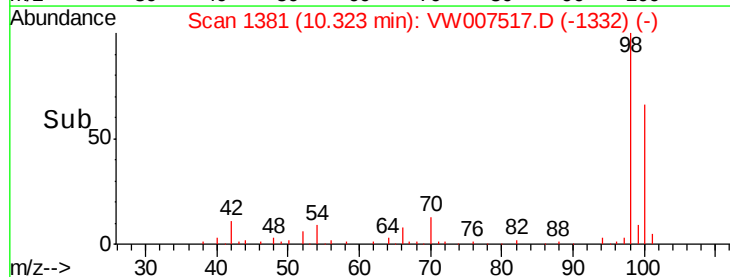
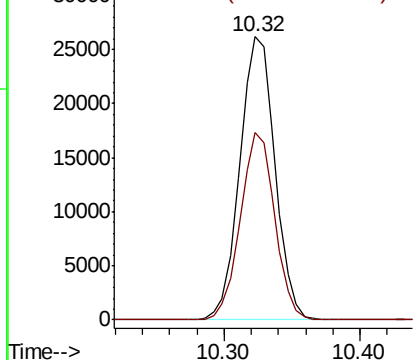


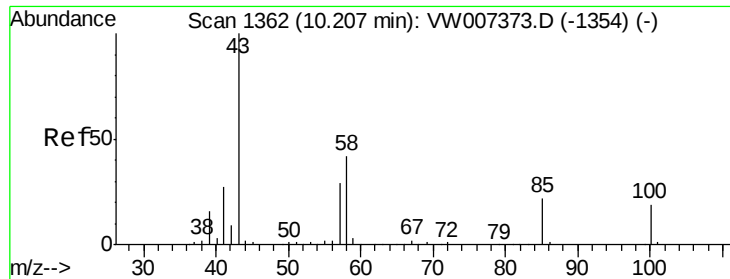
#50
Toluene-d8
Concen: 37.388 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007517.D
Acq: 14 Dec 2018 05:52

Tgt Ion: 98 Resp: 47158
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.909 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007517.D

Acq: 14 Dec 2018 05:52

Instrument :

MSVOA_W

ClientSampled :

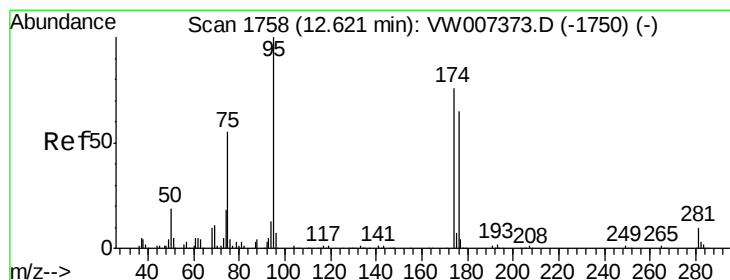
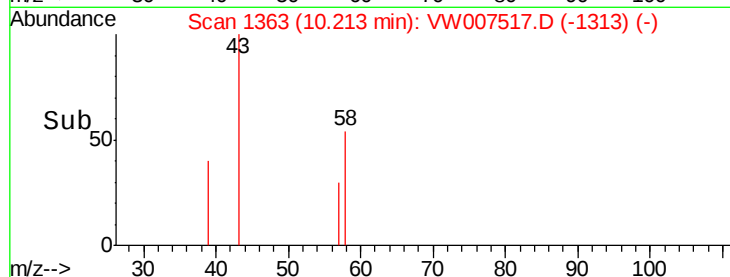
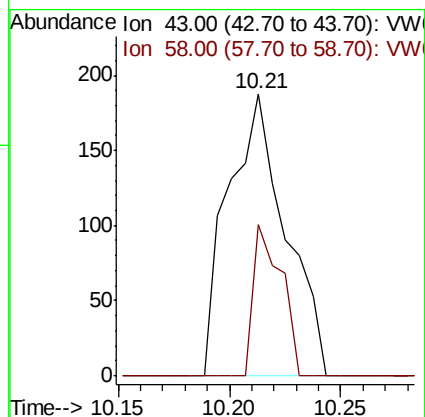
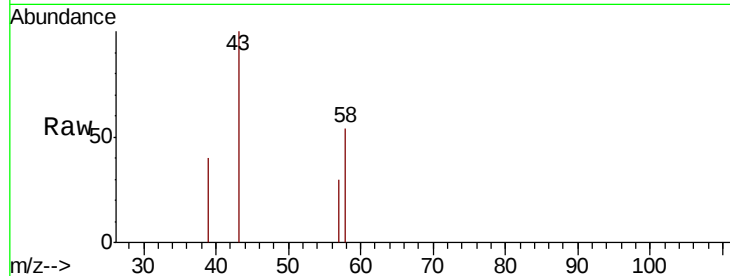
SB-09A

Tot Ion: 43 Resp: 336

Ion Ratio Lower Upper

43 100

58 26.2 33.1 49.7#



#62

4-Bromofluorobenzene

Concen: 16.983 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007517.D

Acq: 14 Dec 2018 05:52

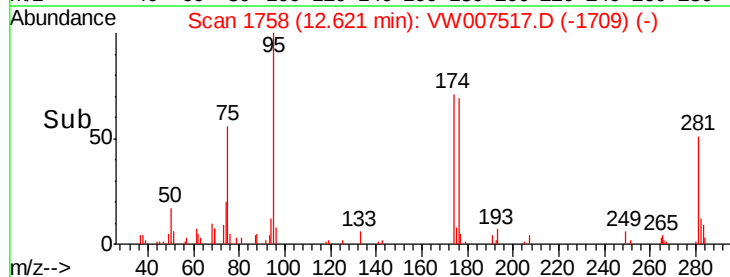
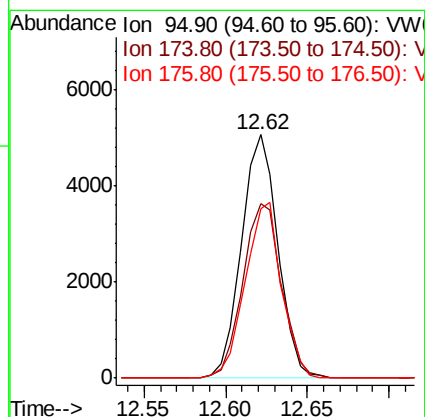
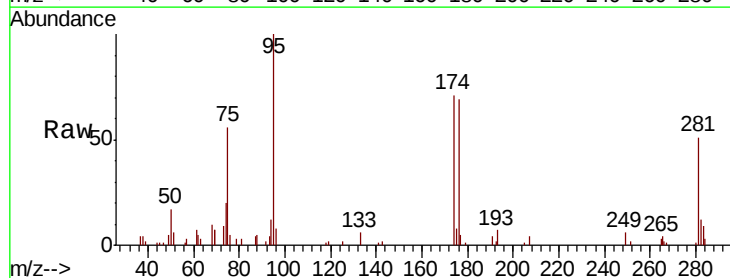
Tgt Ion: 95 Resp: 7876

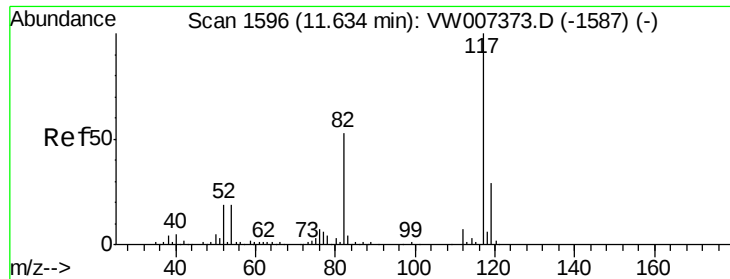
Ion Ratio Lower Upper

95 100

174 76.4 0.0 147.2

176 72.1 0.0 138.8

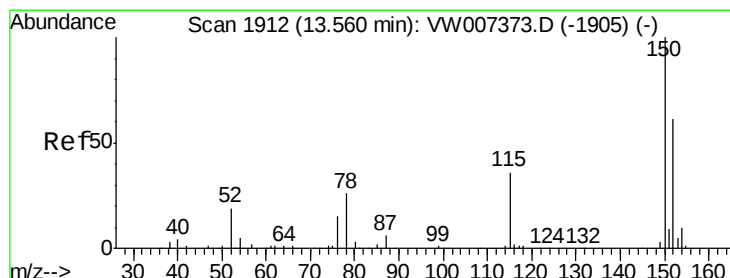
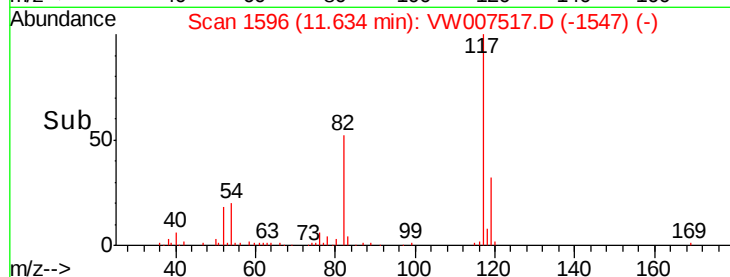
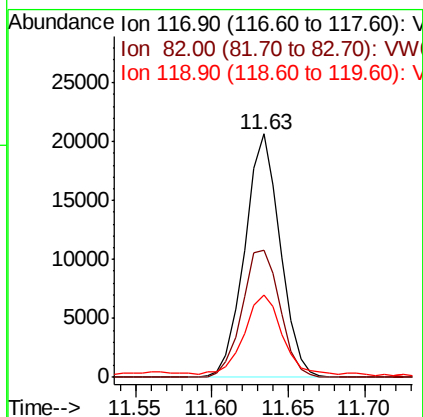
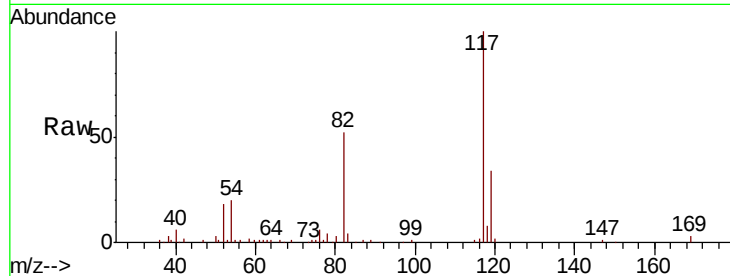




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007517.D
Acq: 14 Dec 2018 05:52

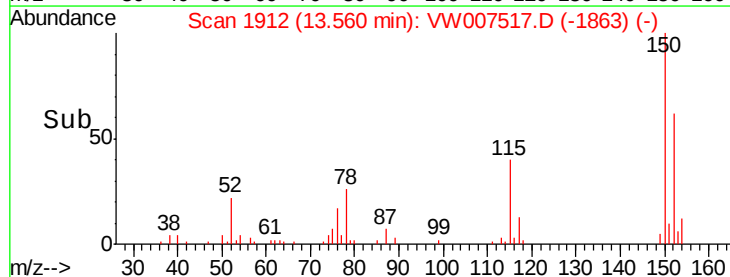
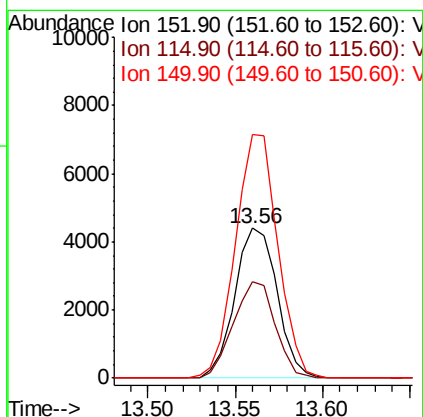
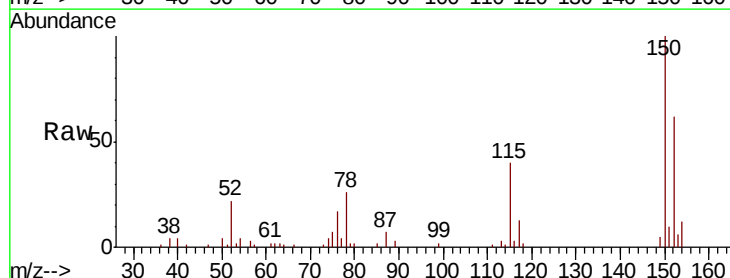
Instrument :
MSVOA_W
ClientSampled :
SB-09A

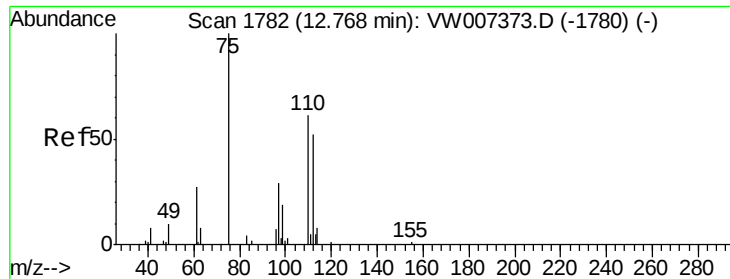
Tot Ion:117 Resp: 33260
Ion Ratio Lower Upper
117 100
82 52.4 42.3 63.5
119 32.2 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007517.D
Acq: 14 Dec 2018 05:52

Tgt Ion:152 Resp: 7419
Ion Ratio Lower Upper
152 100
115 63.1 31.4 94.2
150 161.9 0.0 358.4





#76

1,2,3-Trichloropropane

Concen: 67.940 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007517.D

Acq: 14 Dec 2018 05:52

Instrument :

MSVOA_W

ClientSampleId :

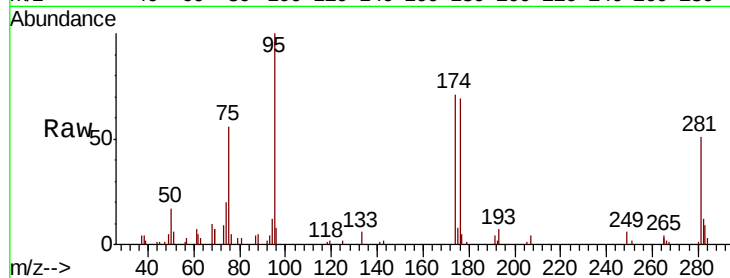
SB-09A

Tot Ion: 75 Resp: 4156

Ion Ratio Lower Upper

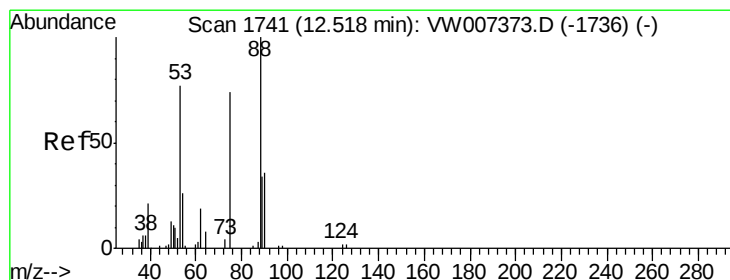
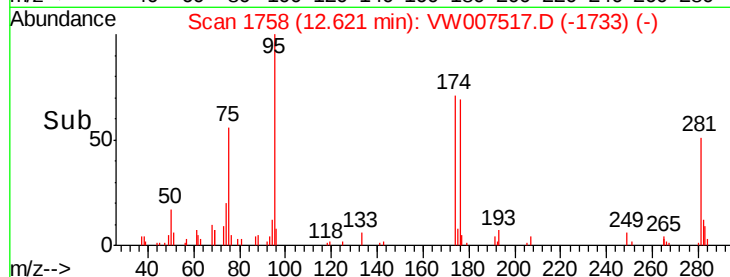
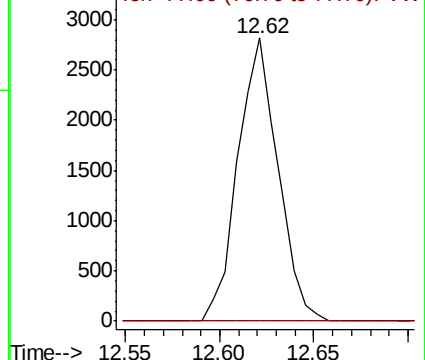
75 100

77 0.0 166.9 500.8#



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: 150.080 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007517.D

Acq: 14 Dec 2018 05:52

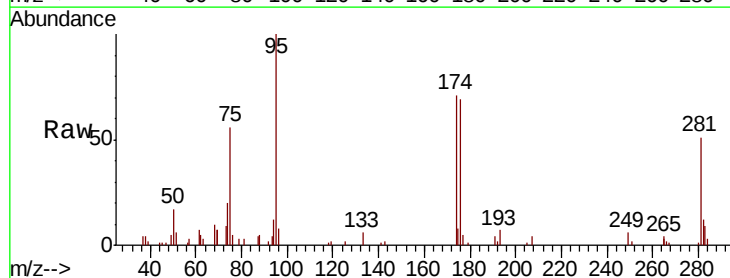
Tgt Ion: 75 Resp: 4156

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

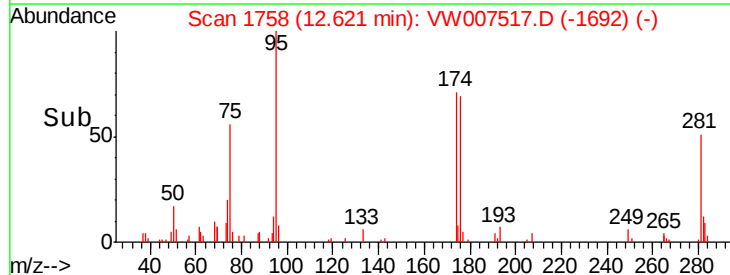
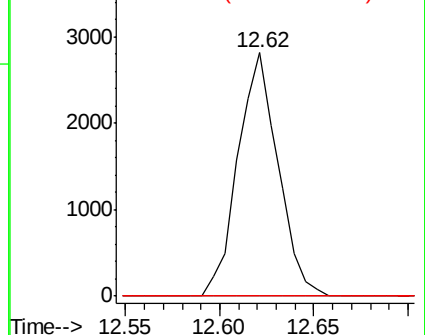
89 0.0 40.3 60.5#

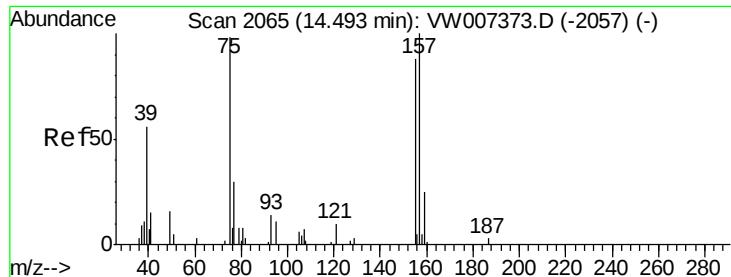


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.539 ug/l

RT: 14.35 min Scan# 2041

Delta R.T. -0.15 min

Lab File: VW007517.D

Acq: 14 Dec 2018 05:52

Instrument :

MSVOA_W

ClientSampleId :

SB-09A

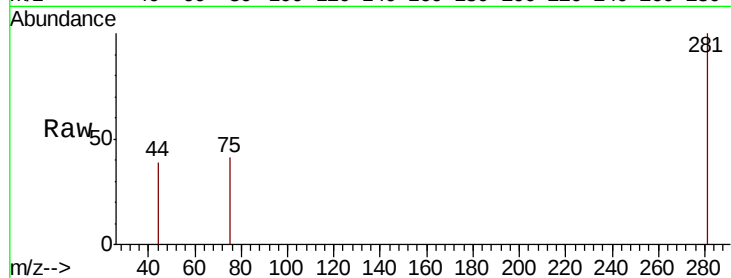
Tot Ion: 75 Resp: 26

Ion Ratio Lower Upper

75 100

155 0.0 40.8 122.2#

157 0.0 51.1 153.4#



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

