

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
 Data File : VW011944.D
 Acq On : 15 Aug 2019 23:01
 Operator : SY/VA
 Sample : K4339-08
 Misc : 5.80G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A3-(4)

Quant Time: Aug 16 04:36:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	169890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	312146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	245629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	81666	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	104131	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
35) Dibromofluoromethane	7.88	113	82236	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
50) Toluene-d8	10.32	98	280781	39.16	ug/l	0.00
Spiked Amount			Recovery	=	78.32%	
62) 4-Bromofluorobenzene	12.62	95	81895	32.04	ug/l	0.00
Spiked Amount			Recovery	=	64.08%	

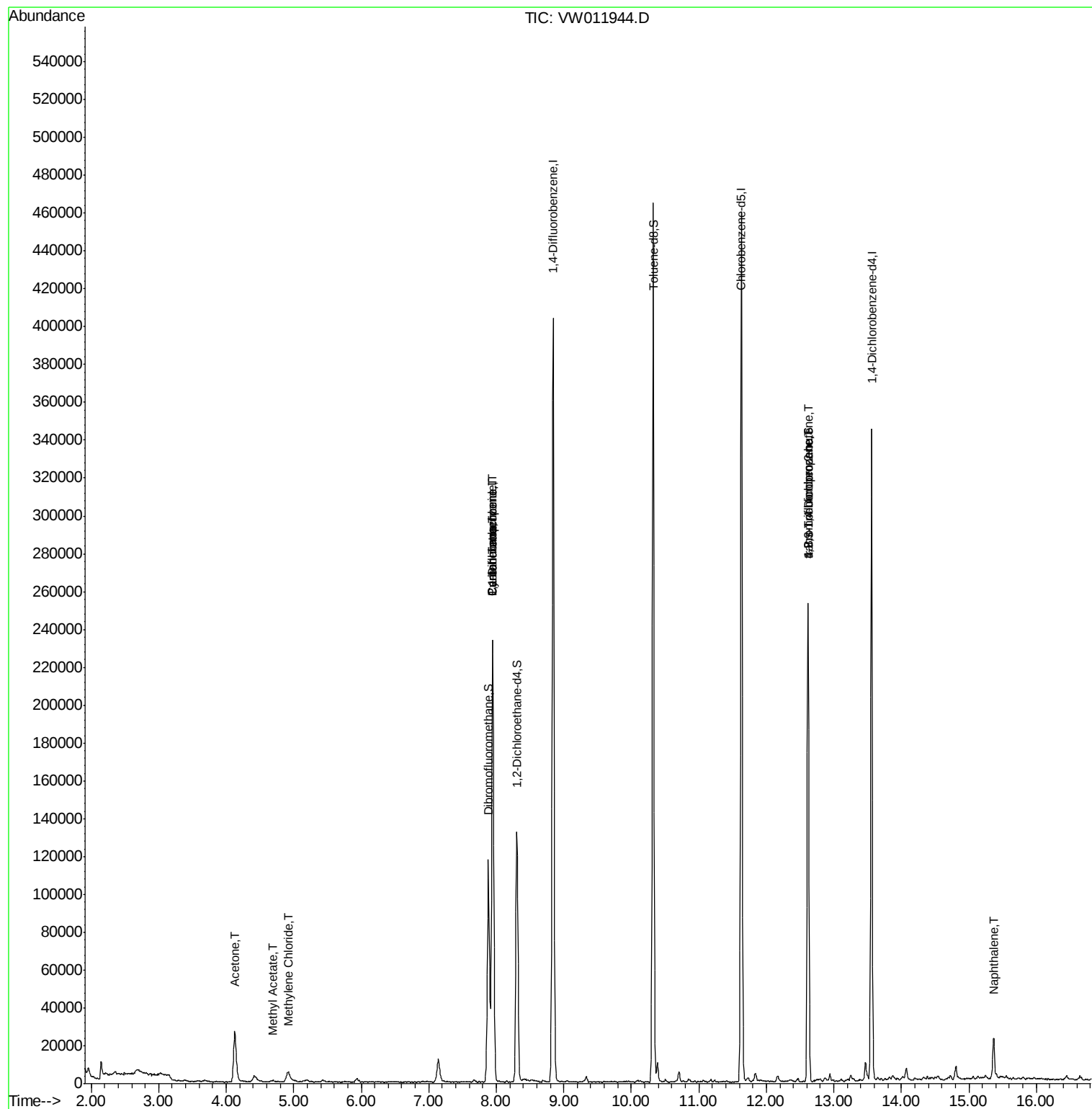
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	813	Below Cal	#	70
16) Acetone	4.12	43	51144	82.417	ug/l	98
18) Methyl Acetate	4.68	43	1886	1.353	ug/l #	83
20) Methylene Chloride	4.92	84	4404	2.058	ug/l	92
31) Cyclohexane	7.95	56	4633	1.270	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15043	4.635	ug/l #	53
38) Carbon Tetrachloride	7.95	117	17076	6.146	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	44034	50.958	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	44034	117.441	ug/l #	6
95) Naphthalene	15.37	128	18583	7.592	ug/l	98

(#) = 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# 991

Delta R.T. -0.00 min

Lab File: VW011944.D

Acq: 15 Aug 2019 23:01

Instrument :

MSVOA_W

ClientSampleId :

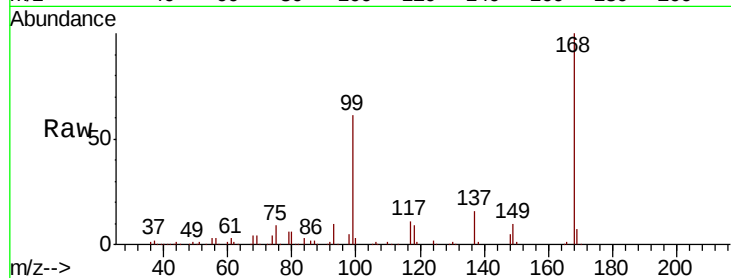
T8-A3-(4)

Tgt Ion:168 Resp: 169890

Ion Ratio Lower Upper

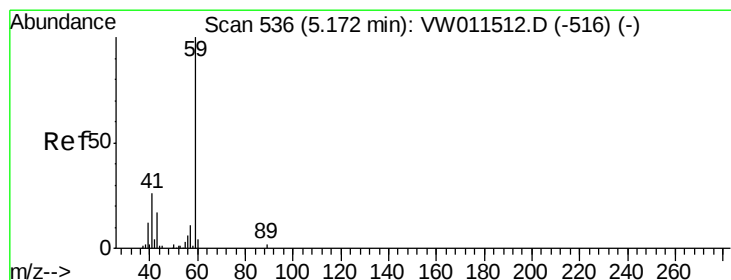
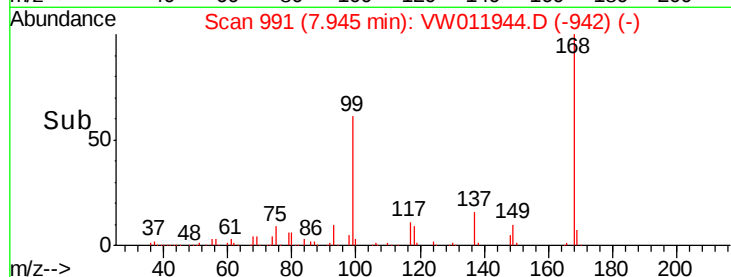
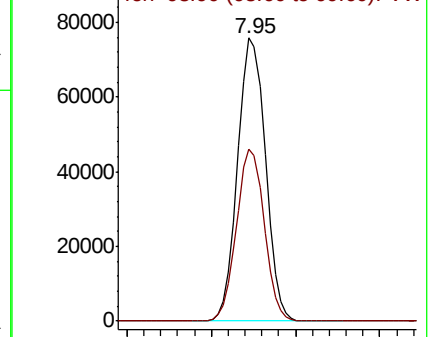
168 100

99 60.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW011944.D

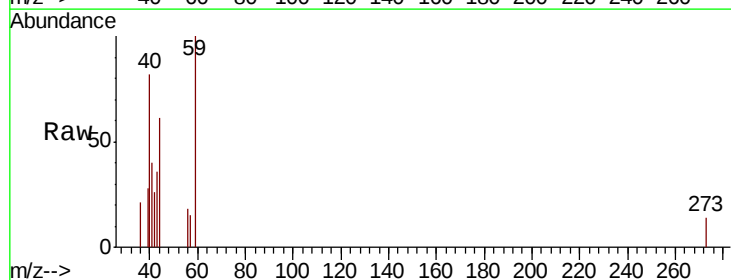
Acq: 15 Aug 2019 23:01

Tgt Ion: 59 Resp: 813

Ion Ratio Lower Upper

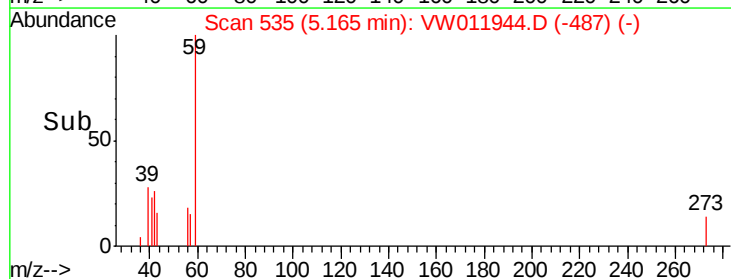
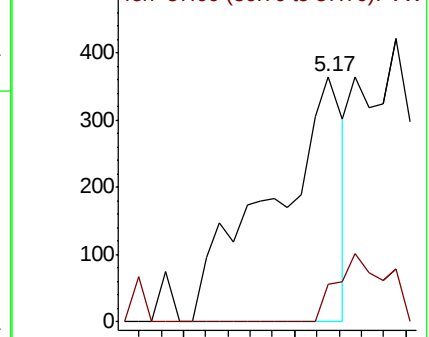
59 100

57 22.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 82.417 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011944.D

Acq: 15 Aug 2019 23:01

Instrument :

MSVOA_W

ClientSampleId :

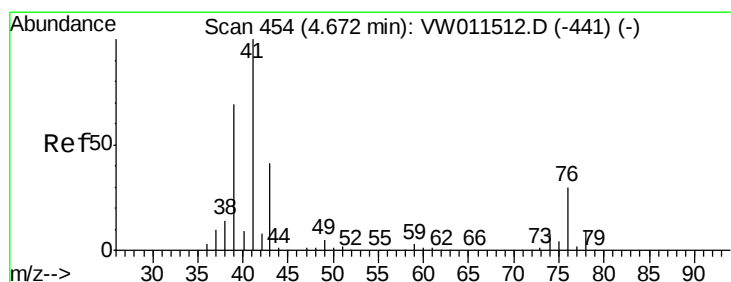
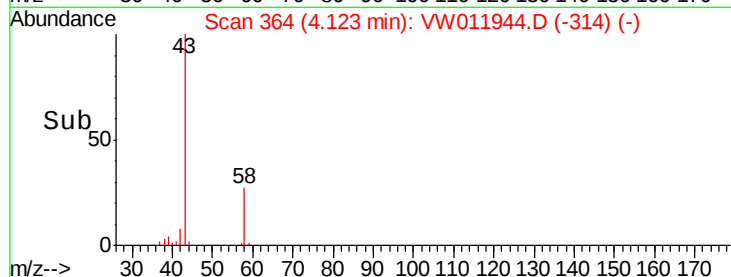
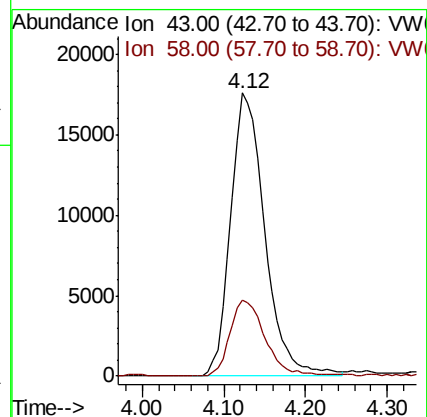
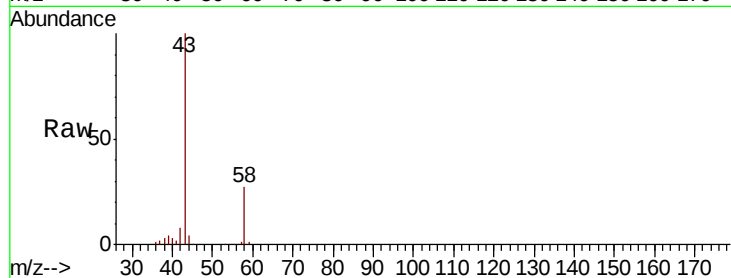
T8-A3-(4)

Tgt Ion: 43 Resp: 51144

Ion Ratio Lower Upper

43 100

58 26.7 22.3 33.5



#18

Methyl Acetate

Concen: 1.353 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW011944.D

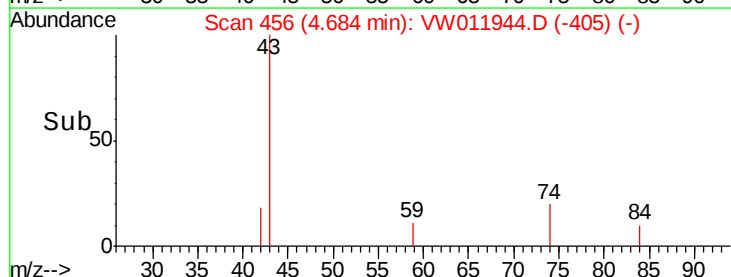
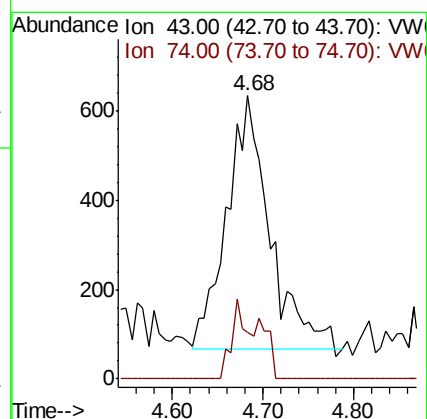
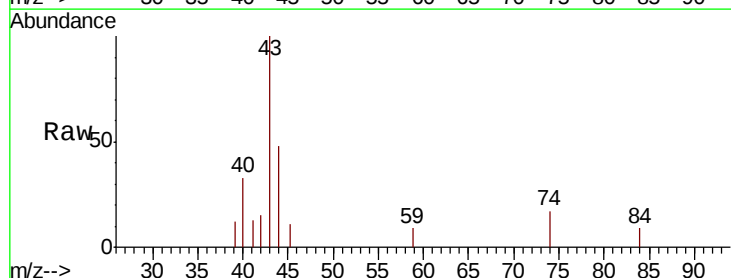
Acq: 15 Aug 2019 23:01

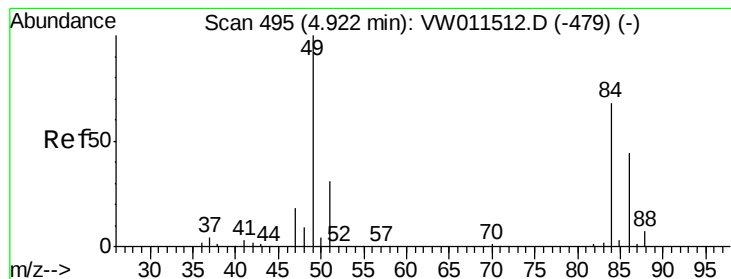
Tgt Ion: 43 Resp: 1886

Ion Ratio Lower Upper

43 100

74 11.9 15.9 23.9#





#20

Methylene Chloride

Concen: 2.058 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011944.D

Acq: 15 Aug 2019 23:01

Instrument :

MSVOA_W

ClientSampled :

T8-A3-(4)

Tgt Ion: 84 Resp: 4404

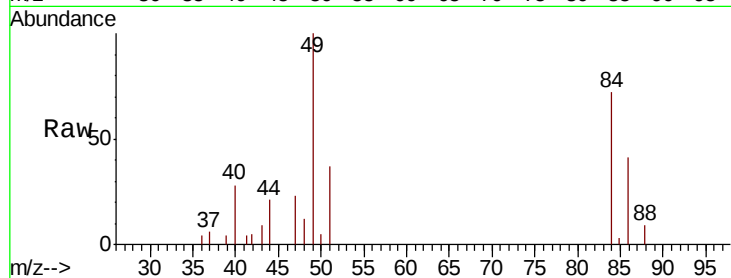
Ion Ratio Lower Upper

84 100

49 138.6 117.8 176.6

51 51.8 37.0 55.4

86 57.0 51.8 77.8



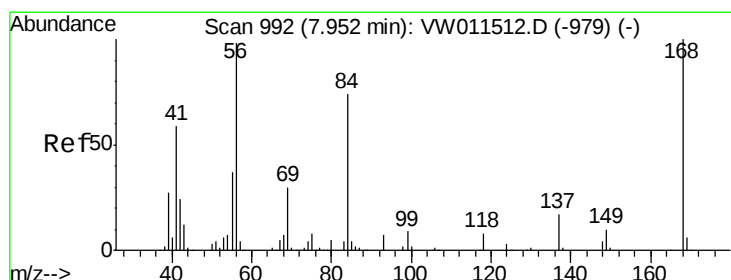
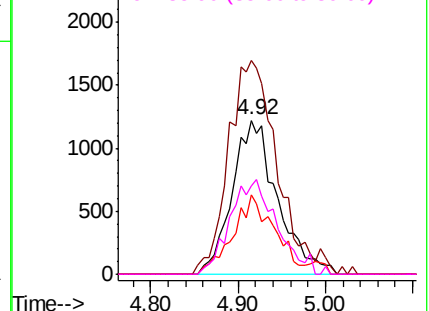
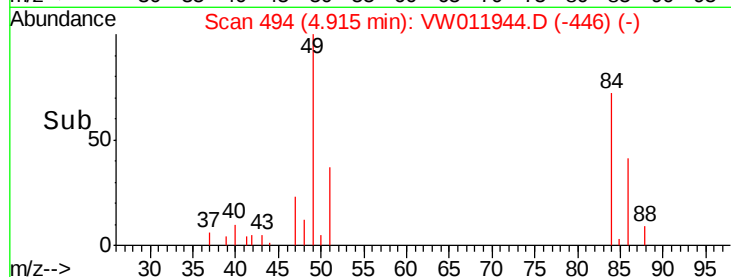
Abundance

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



#31

Cyclohexane

Concen: 1.270 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011944.D

Acq: 15 Aug 2019 23:01

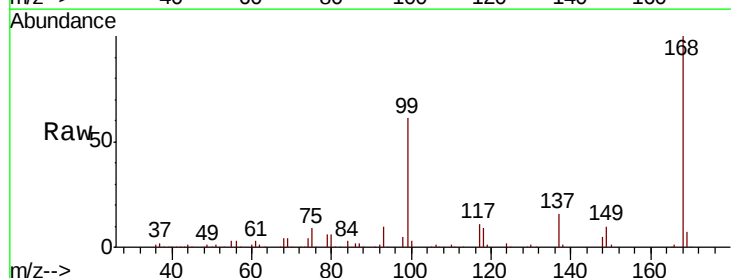
Tgt Ion: 56 Resp: 4633

Ion Ratio Lower Upper

56 100

69 161.5 24.3 36.5#

84 115.5 60.4 90.6#

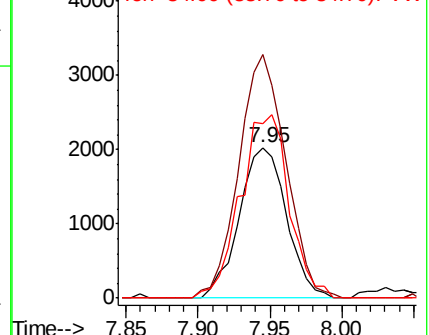
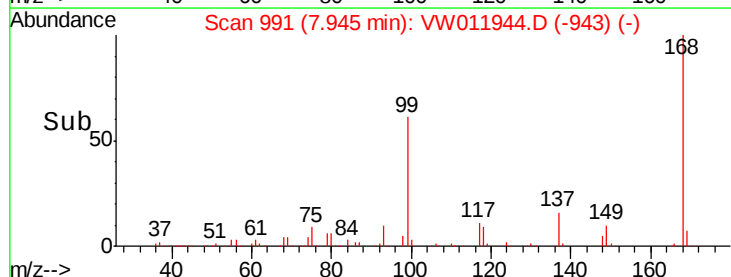


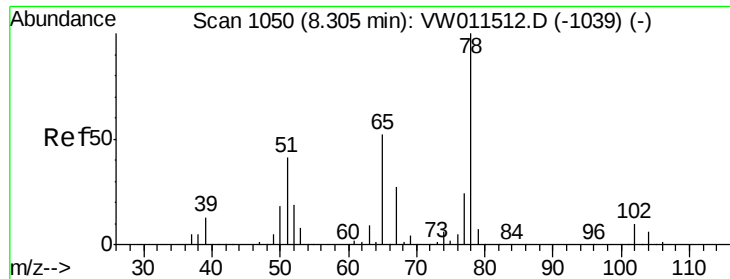
Abundance

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

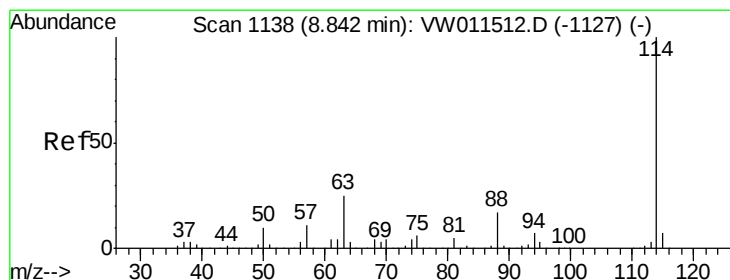
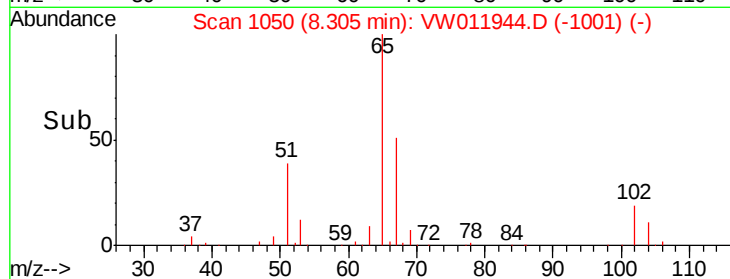
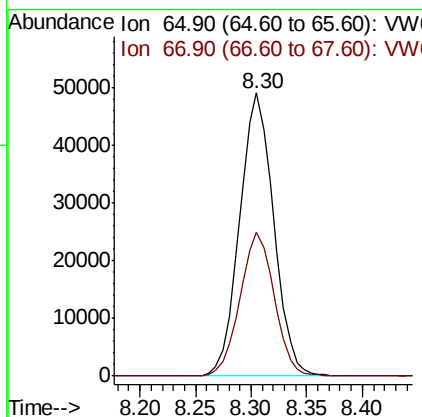
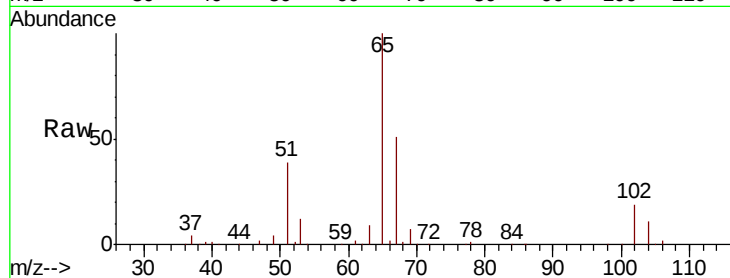




#33
 1,2-Dichloroethane-d4
 Concen: 53.378 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011944.D
 Acq: 15 Aug 2019 23:01

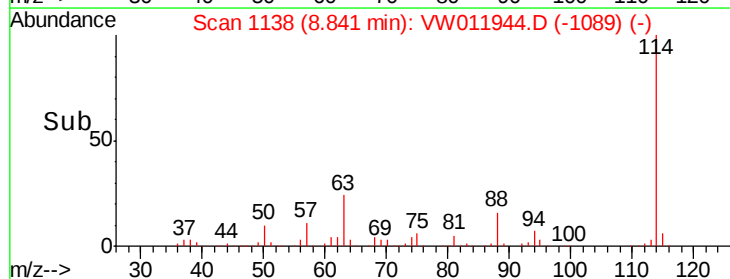
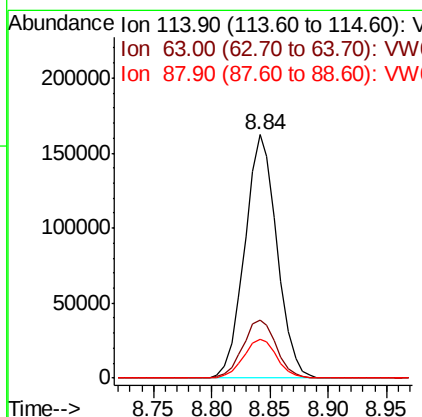
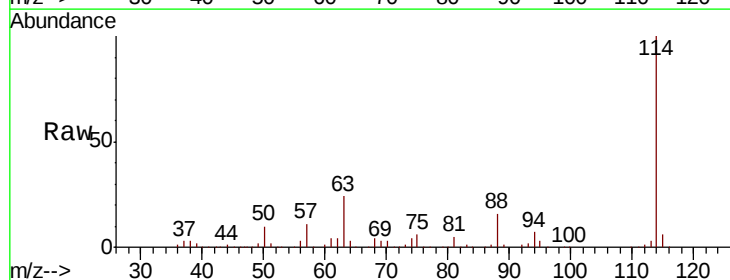
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A3-(4)

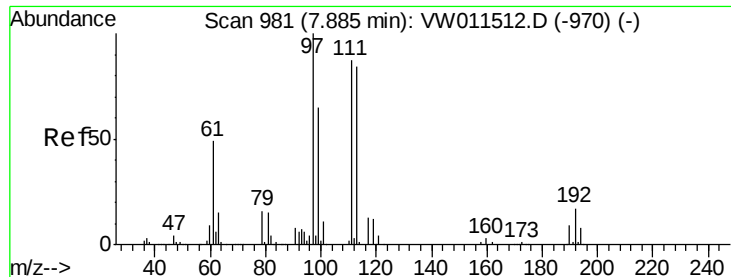
Tgt Ion: 65 Resp: 104131
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011944.D
 Acq: 15 Aug 2019 23:01

Tgt Ion: 114 Resp: 312146
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 49.2
 88 16.2 0.0 33.8

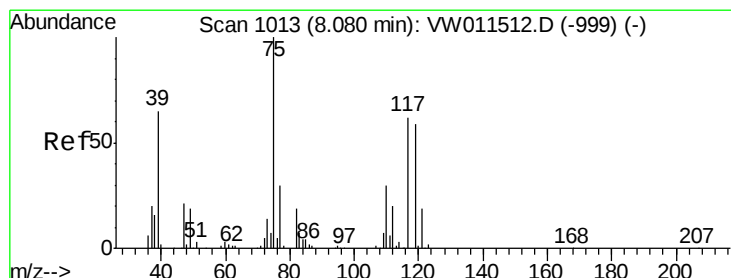
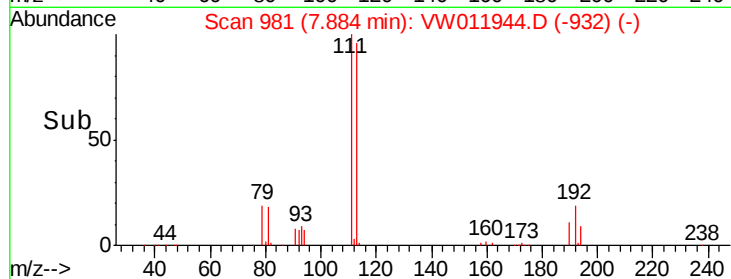
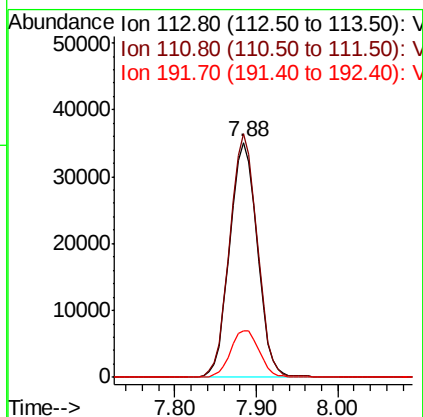
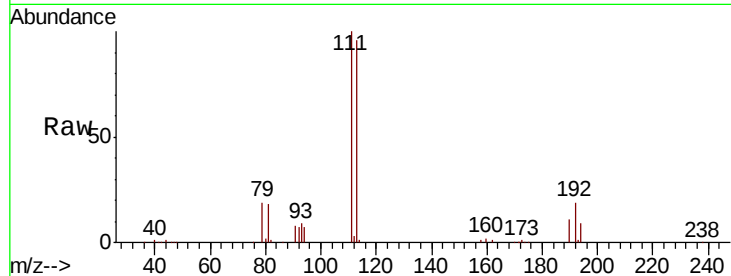




#35
 Dibromofluoromethane
 Concen: 46.960 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011944.D
 Acq: 15 Aug 2019 23:01

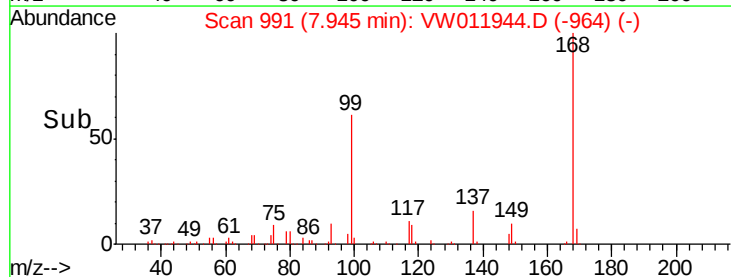
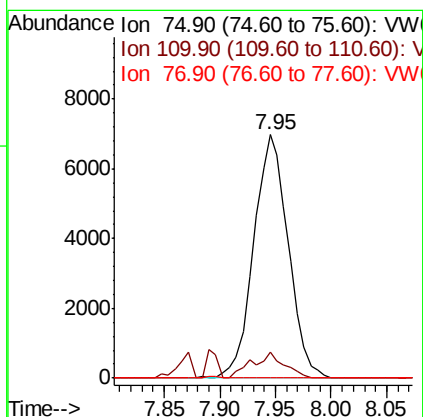
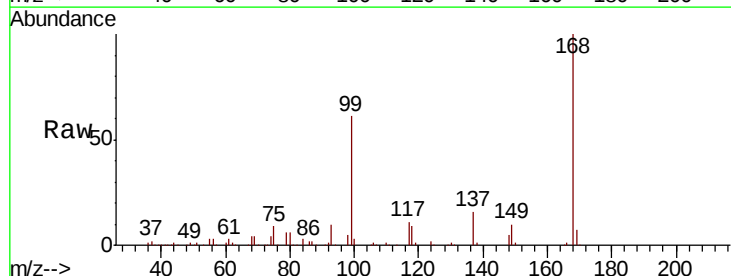
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A3-(4)

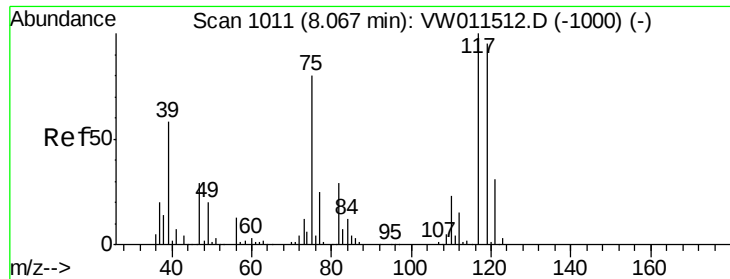
Tgt Ion: 113 Resp: 82236
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.7 124.1
 192 20.4 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.635 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011944.D
 Acq: 15 Aug 2019 23:01

Tgt Ion: 75 Resp: 15043
 Ion Ratio Lower Upper
 75 100
 110 9.9 15.6 46.8#
 77 0.0 24.3 36.5#

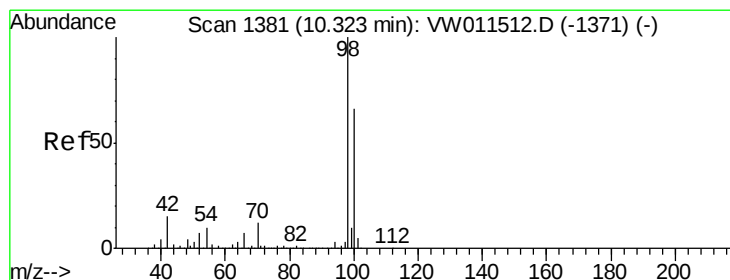
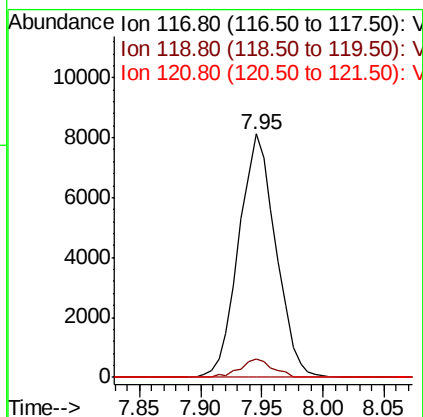
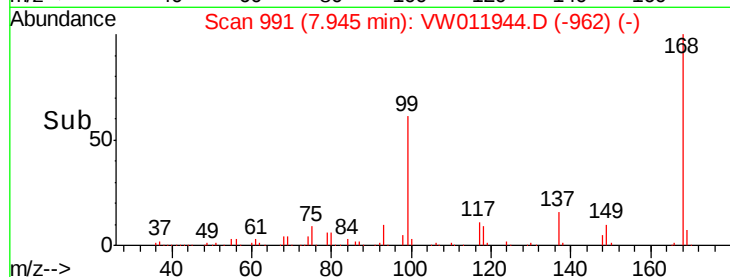
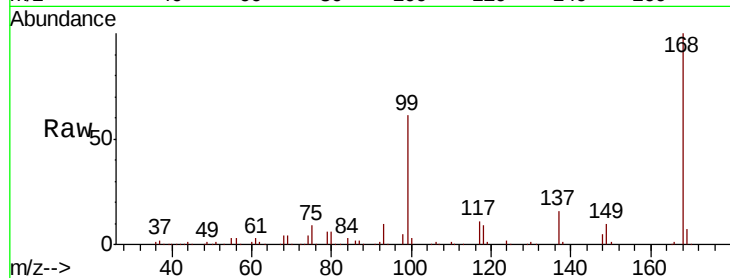




#38
Carbon Tetrachloride
Concen: 6.146 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011944.D
Acq: 15 Aug 2019 23:01

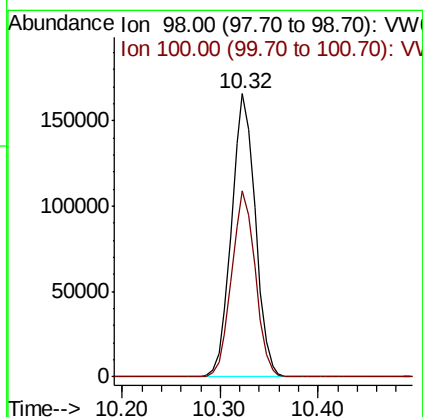
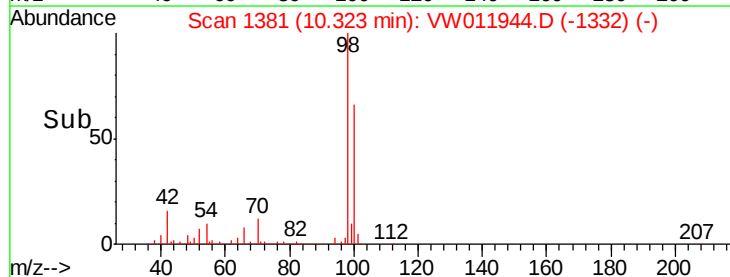
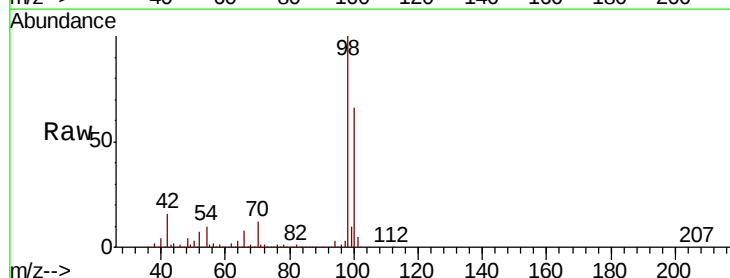
Instrument :
MSVOA_W
ClientSampled :
T8-A3-(4)

Tgt Ion: 117 Resp: 17076
Ion Ratio Lower Upper
117 100
119 7.8 75.8 113.6#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 39.161 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011944.D
Acq: 15 Aug 2019 23:01

Tgt Ion: 98 Resp: 280781
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 32.038 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011944.D

Acq: 15 Aug 2019 23:01

Instrument :

MSVOA_W

ClientSampleId :

T8-A3-(4)

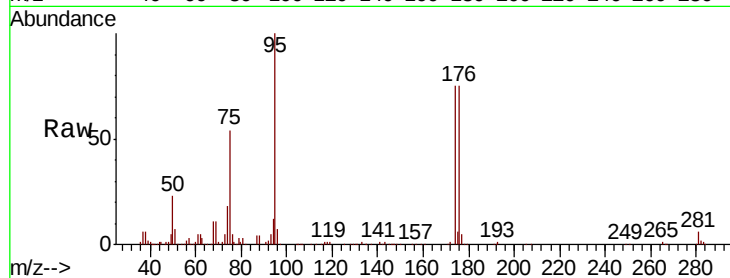
Tgt Ion: 95 Resp: 81895

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

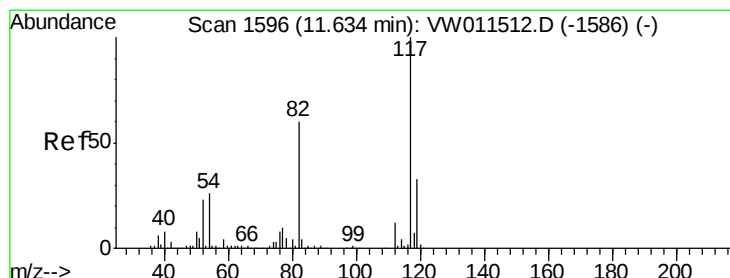
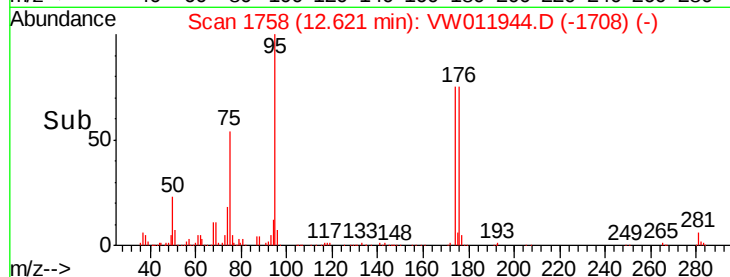
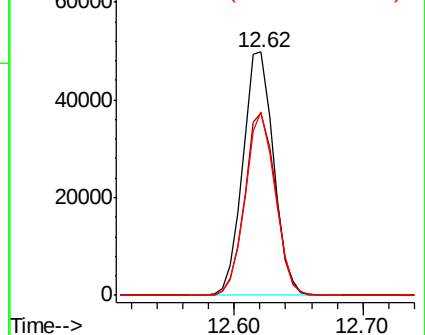
176 73.3 0.0 144.4



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: VW011944.D

Acq: 15 Aug 2019 23:01

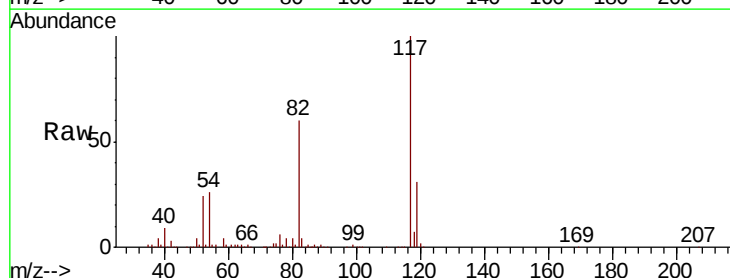
Tgt Ion: 117 Resp: 245629

Ion Ratio Lower Upper

117 100

82 60.0 47.9 71.9

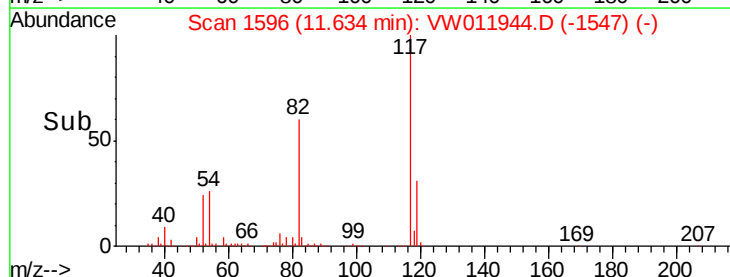
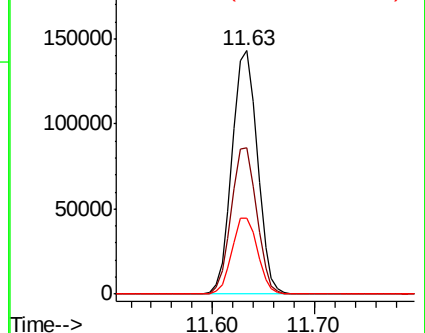
119 31.0 26.2 39.2

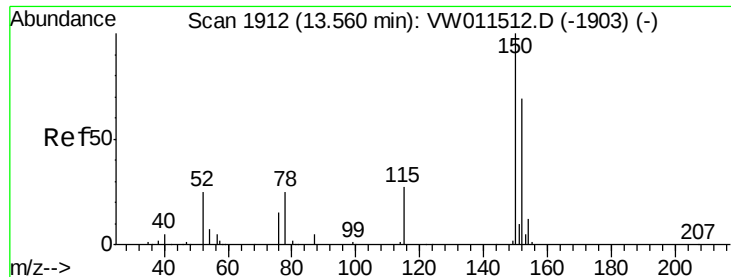


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011944.D

Acq: 15 Aug 2019 23:01

Instrument :

MSVOA_W

ClientSampled :

T8-A3-(4)

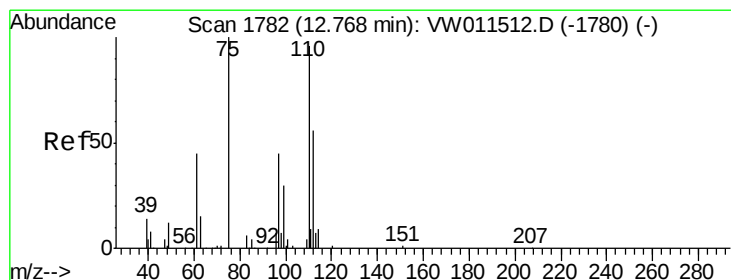
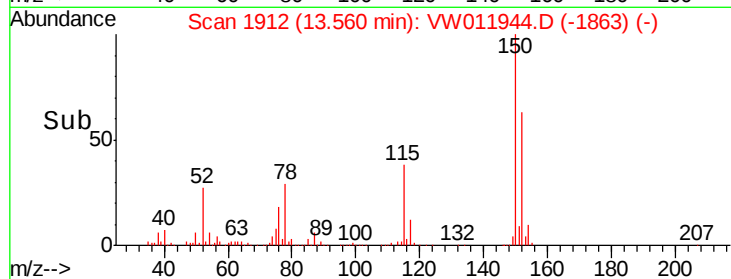
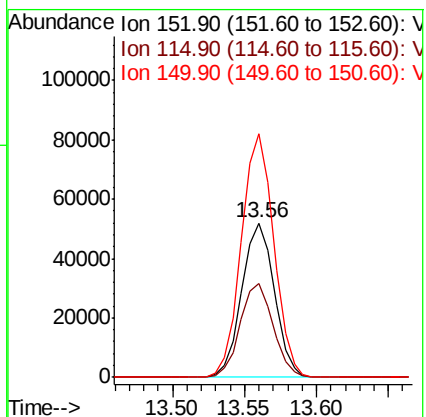
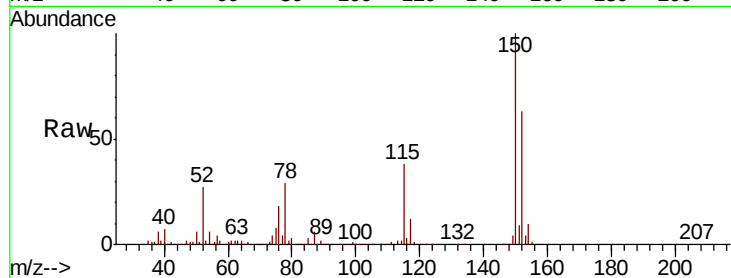
Tgt Ion:152 Resp: 81666

Ion Ratio Lower Upper

152 100

115 61.6 30.5 91.5

150 157.2 0.0 352.6



#76

1,2,3-Trichloropropane

Concen: 50.958 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011944.D

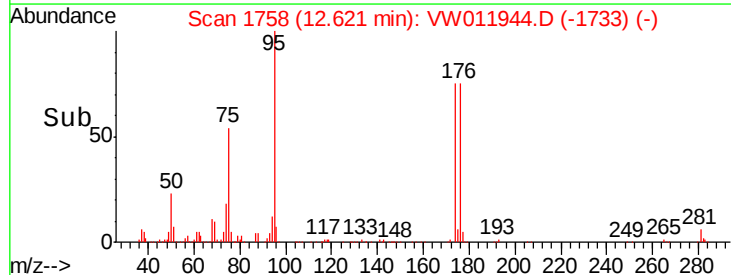
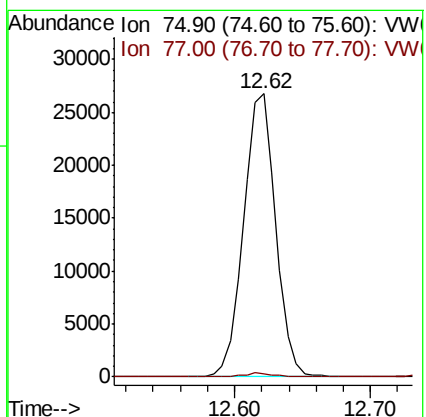
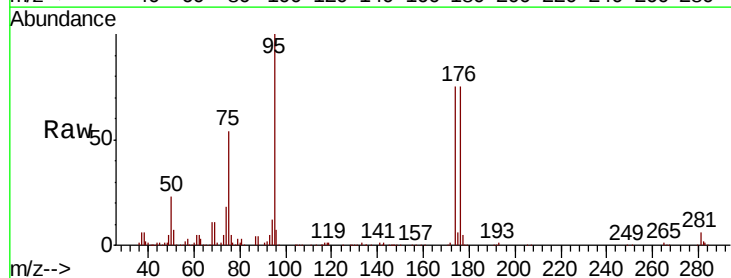
Acq: 15 Aug 2019 23:01

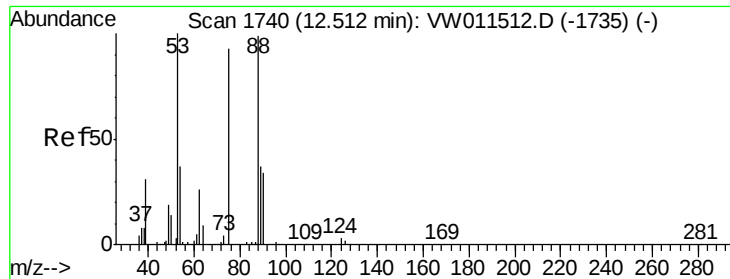
Tgt Ion: 75 Resp: 44034

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

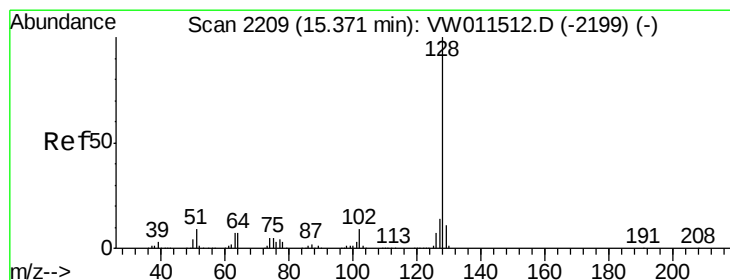
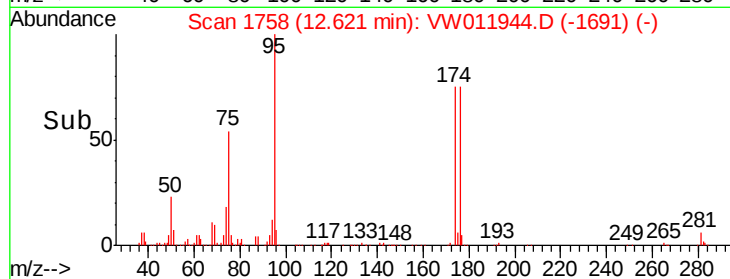
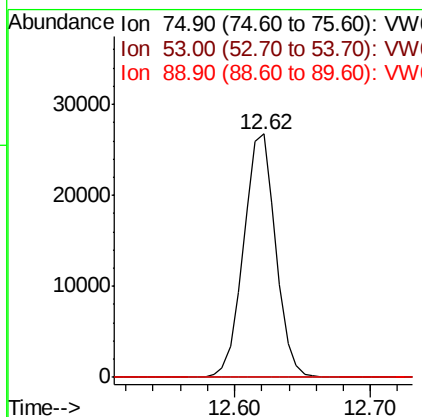
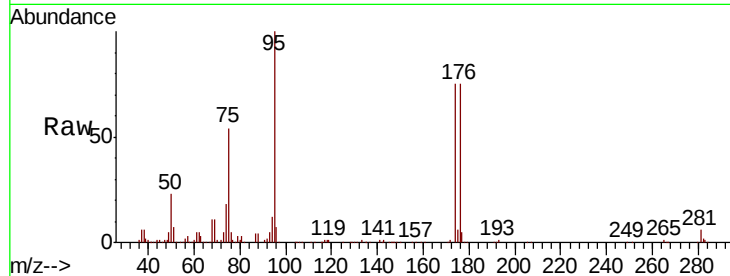




#81
trans-1,4-Dichloro-2-butene
Concen: 117.441 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW011944.D
Acq: 15 Aug 2019 23:01

Instrument :
MSVOA_W
ClientSampleId :
T8-A3-(4)

Tgt Ion: 75 Resp: 44034
Ion Ratio Lower Upper
75 100
53 0.0 88.0 132.0#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 7.592 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011944.D
Acq: 15 Aug 2019 23:01

Tgt Ion: 128 Resp: 18583
Ion Ratio Lower Upper
128 100
127 14.0 10.6 16.0
129 11.6 8.6 13.0

