

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011690.D
 Acq On : 04 Aug 2019 03:49
 Operator : SY/VA
 Sample : K4135-19
 Misc : 5.75G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-B3-(30)

Quant Time: Aug 05 01:06:52 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	195837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	262539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	94041	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	121235	53.91	ug/l	0.00
Spiked Amount			Recovery	=	107.82%	
35) Dibromofluoromethane	7.88	113	95751	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
50) Toluene-d8	10.32	98	350695	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	12.62	95	102439	37.88	ug/l	0.00
Spiked Amount			Recovery	=	75.76%	

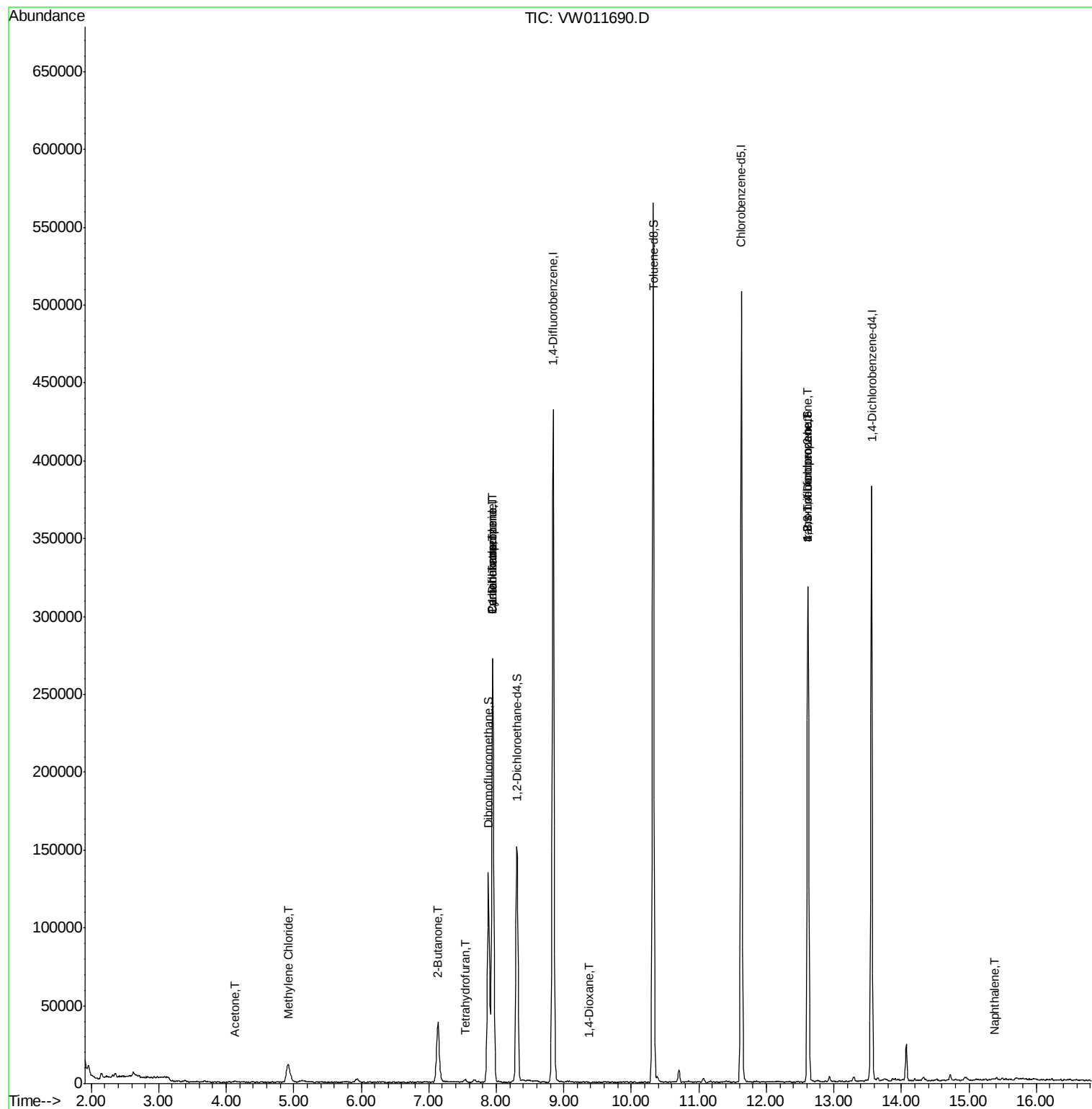
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	841	Below Cal	#	72
16) Acetone	4.13	43	1247	1.743	ug/l	97
20) Methylene Chloride	4.92	84	9122	3.698	ug/l	91
25) 2-Butanone	7.14	43	2331	2.490	ug/l #	88
29) Tetrahydrofuran	7.54	42	1401	2.619	ug/l	93
31) Cyclohexane	7.95	56	4963	1.180	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	16920	4.927	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20017	6.809	ug/l #	17
49) 1,4-Dioxane	9.38	88	19	1.117	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	55697	55.973	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55697	128.999	ug/l #	6
95) Naphthalene	15.38	128	288	2.140	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW011690.D

Acq: 04 Aug 2019 03:49

Instrument :

MSVOA_W

ClientSampleId :

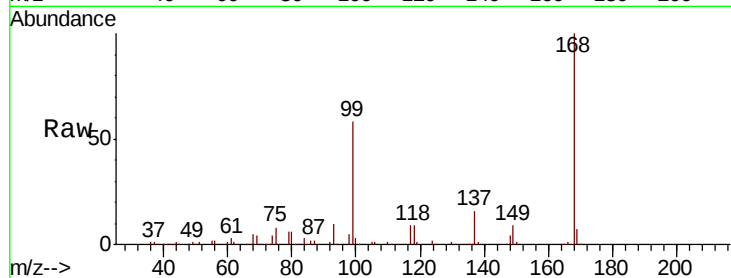
1S-B3-(30)

Tot Ion:168 Resp: 195837

Ion Ratio Lower Upper

168 100

99 57.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

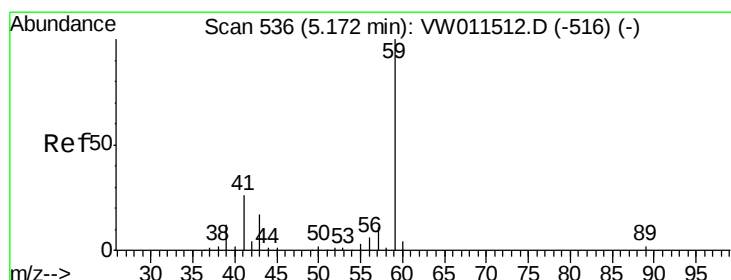
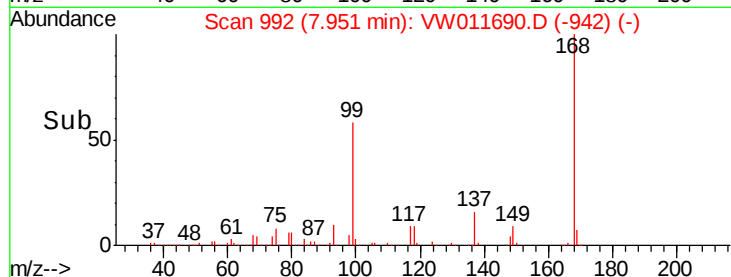
20000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW011690.D

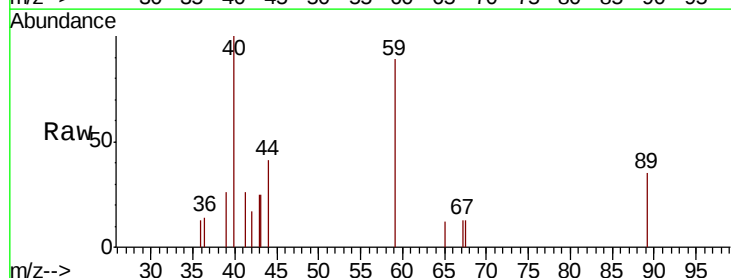
Acq: 04 Aug 2019 03:49

Tgt Ion: 59 Resp: 841

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

400

300

200

100

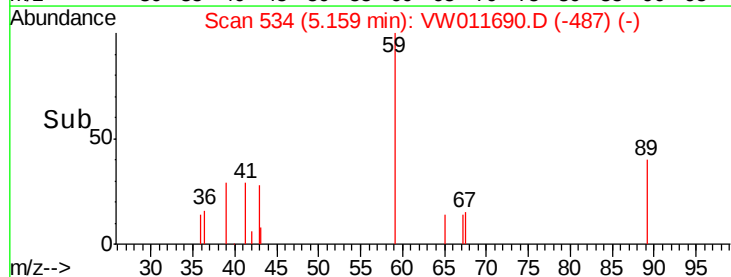
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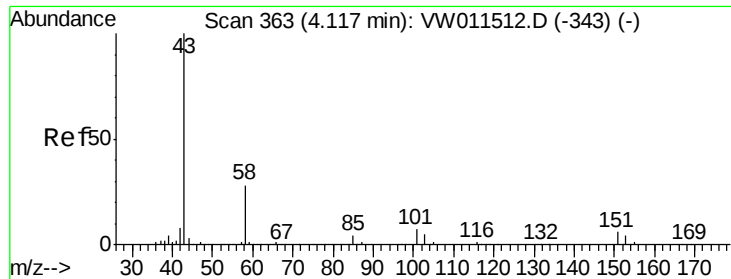
5.10

5.15

5.20

Time-->

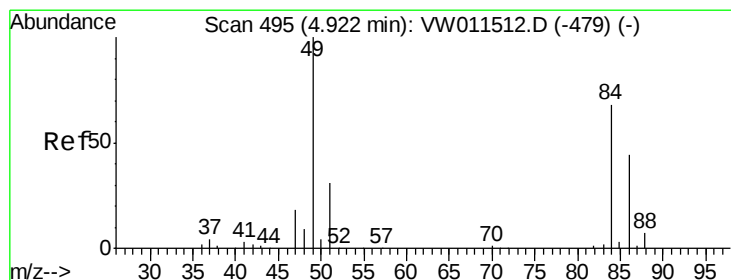
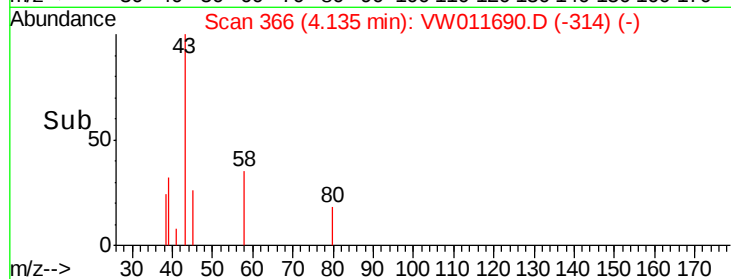
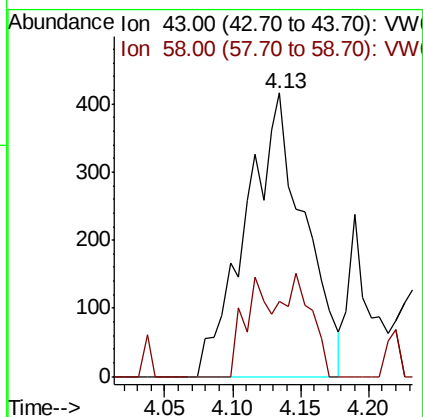
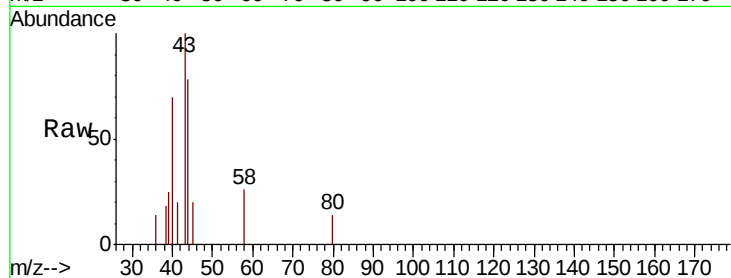




#16
Acetone
Concen: 1.743 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011690.D
Acq: 04 Aug 2019 03:49

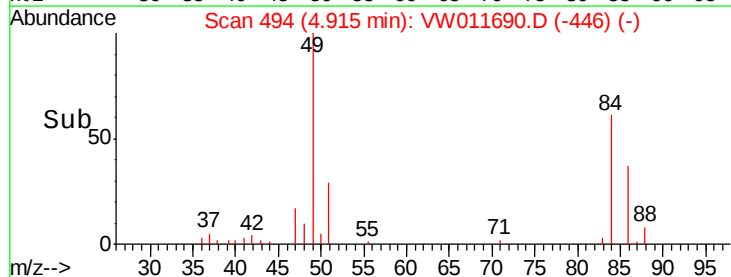
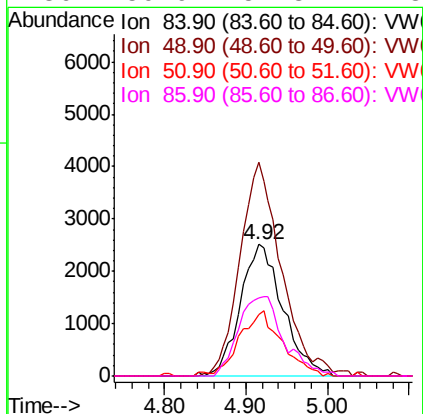
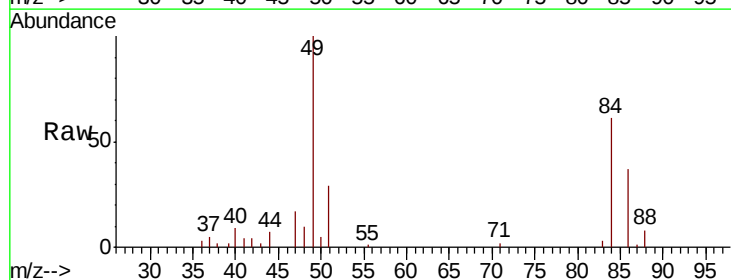
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MSVOA_W
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1S-B3-(30)

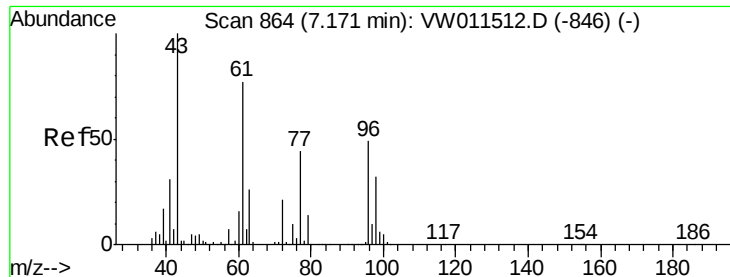
Tot Ion: 43 Resp: 1247
Ion Ratio Lower Upper
43 100
58 26.4 22.3 33.5



#20
Methylene Chloride
Concen: 3.698 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011690.D
Acq: 04 Aug 2019 03:49

Tgt Ion: 84 Resp: 9122
Ion Ratio Lower Upper
84 100
49 162.7 117.8 176.6
51 47.3 37.0 55.4
86 59.9 51.8 77.8

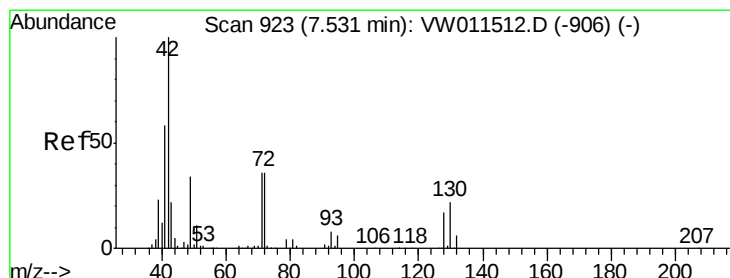
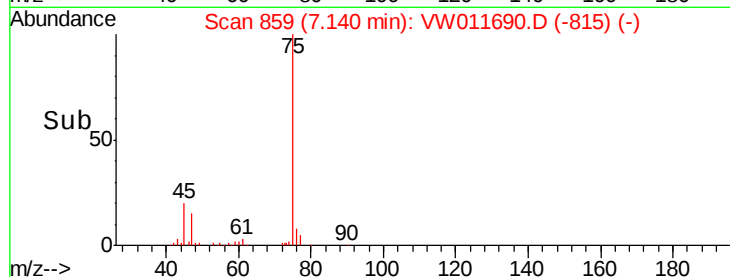
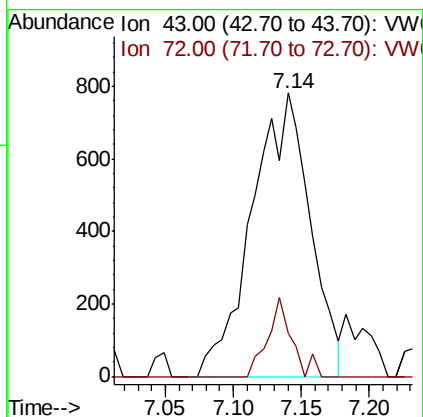
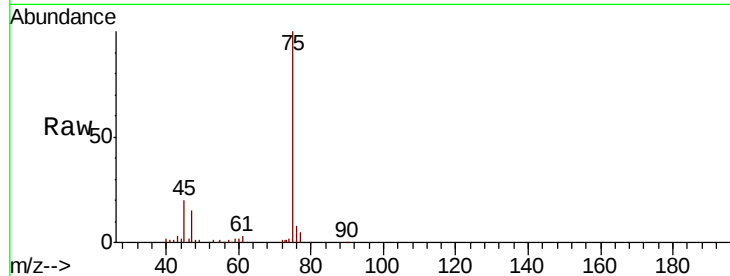




#25
2-Butanone
Concen: 2.490 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW011690.D
Acq: 04 Aug 2019 03:49

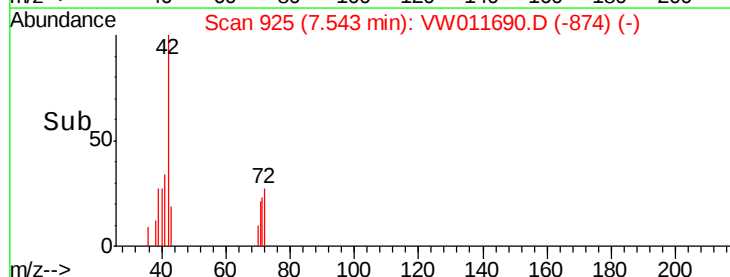
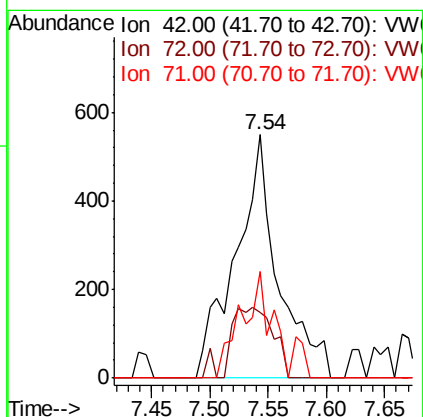
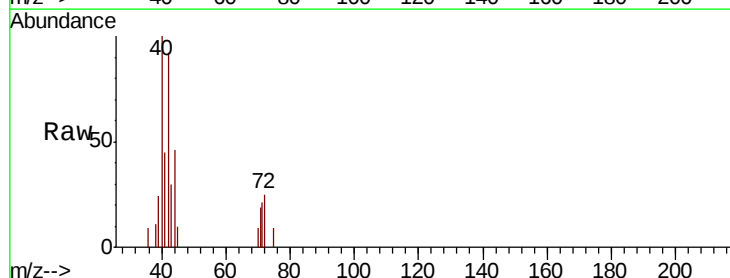
Instrument :
MSVOA_W
ClientSampleId :
1S-B3-(30)

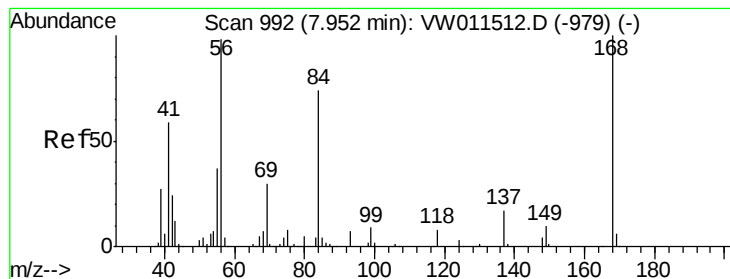
Tot Ion: 43 Resp: 2331
Ion Ratio Lower Upper
43 100
72 15.3 16.6 24.8#



#29
Tetrahydrofuran
Concen: 2.619 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011690.D
Acq: 04 Aug 2019 03:49

Tgt Ion: 42 Resp: 1401
Ion Ratio Lower Upper
42 100
72 27.3 27.1 40.7
71 30.9 26.2 39.4





#31

Cyclohexane

Concen: 1.180 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011690.D

Acq: 04 Aug 2019 03:49

Instrument :

MSVOA_W

ClientSampleId :

1S-B3-(30)

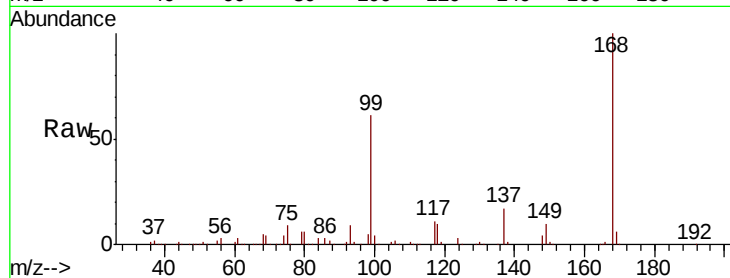
Tot Ion: 56 Resp: 4963

Ion Ratio Lower Upper

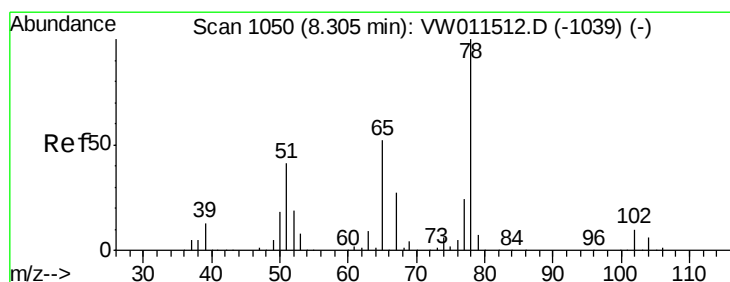
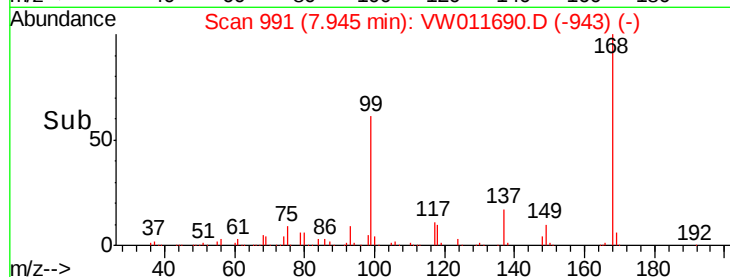
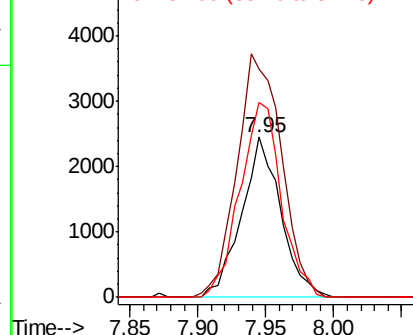
56 100

69 142.8 24.3 36.5#

84 121.6 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: 53.912 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011690.D

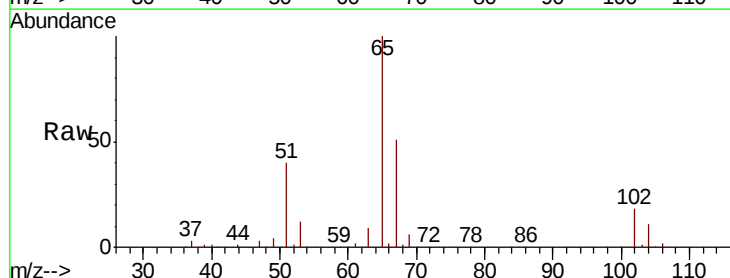
Acq: 04 Aug 2019 03:49

Tgt Ion: 65 Resp: 121235

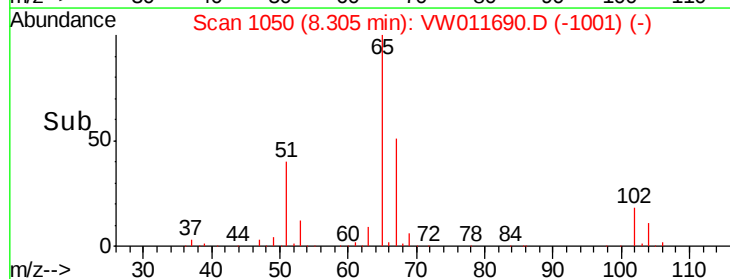
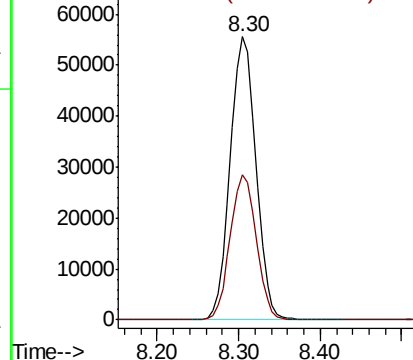
Ion Ratio Lower Upper

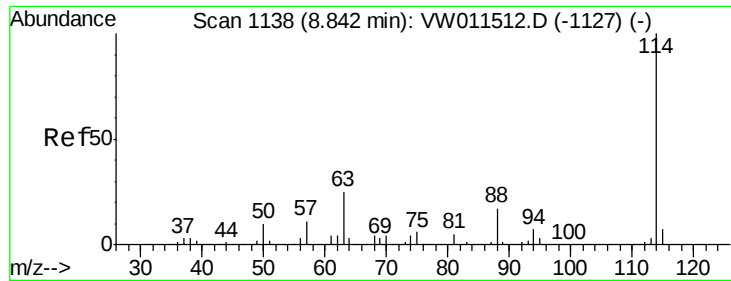
65 100

67 52.0 0.0 105.2



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

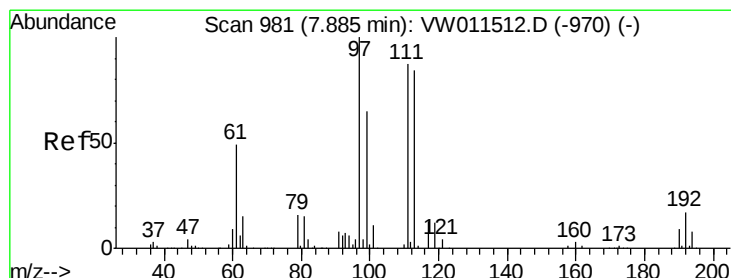
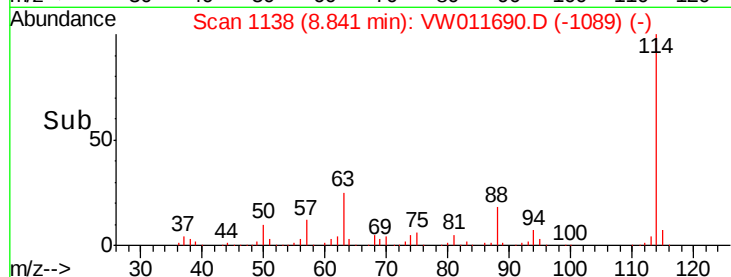
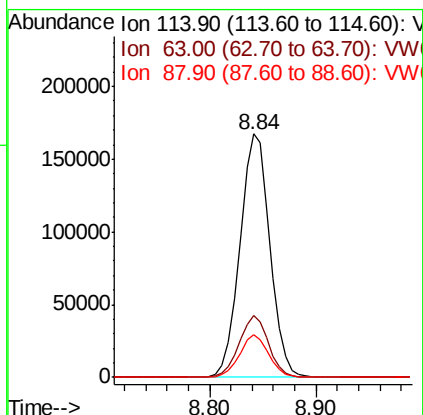
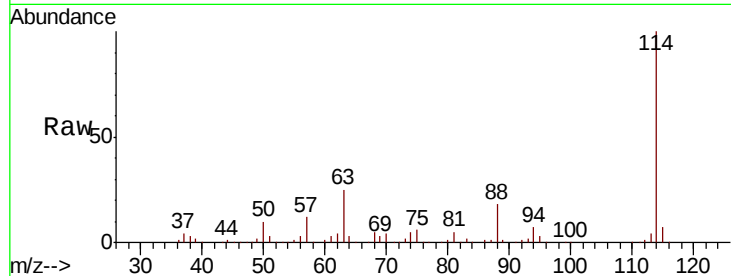




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW011690.D
Acq: 04 Aug 2019 03:49

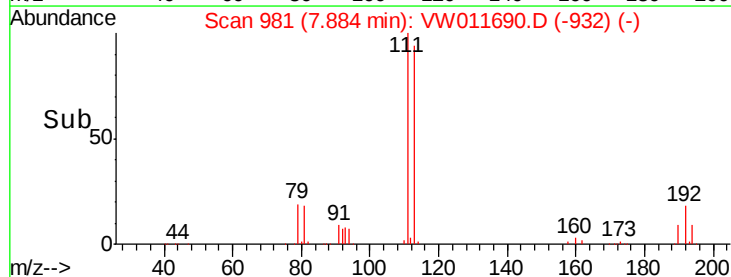
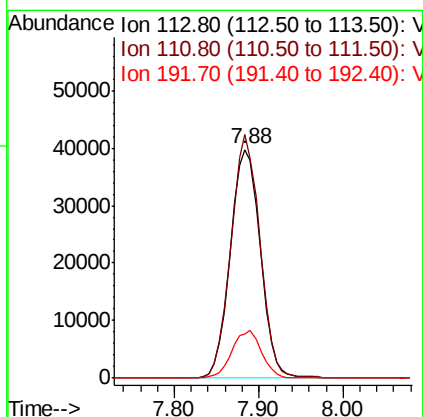
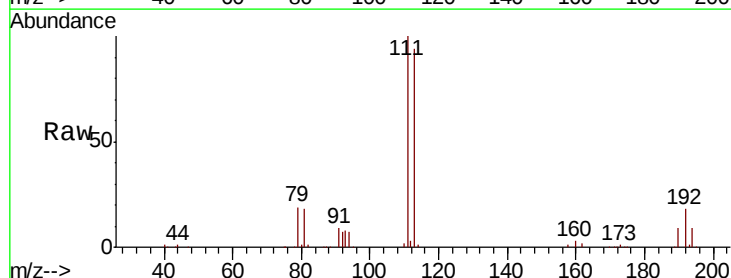
Instrument :
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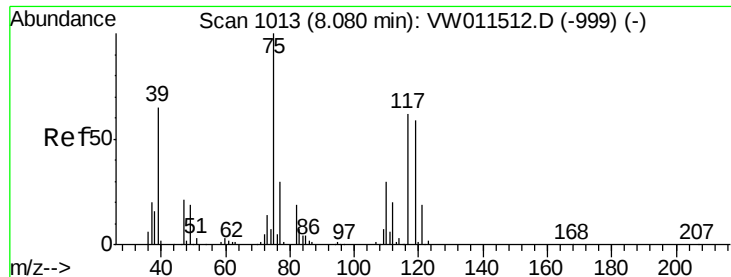
Tot Ion:114 Resp: 330270
Ion Ratio Lower Upper
114 100
63 25.4 0.0 49.2
88 17.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 51.677 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW011690.D
Acq: 04 Aug 2019 03:49

Tgt Ion:113 Resp: 95751
Ion Ratio Lower Upper
113 100
111 102.9 82.7 124.1
192 20.5 16.1 24.1





#36

1,1-Dichloropropene

Concen: 4.927 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011690.D

Acq: 04 Aug 2019 03:49

Instrument :

MSVOA_W

ClientSampleId :

1S-B3-(30)

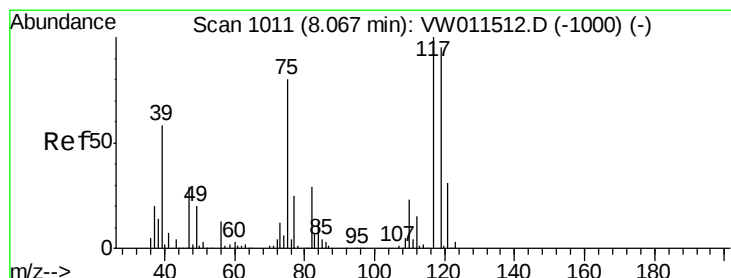
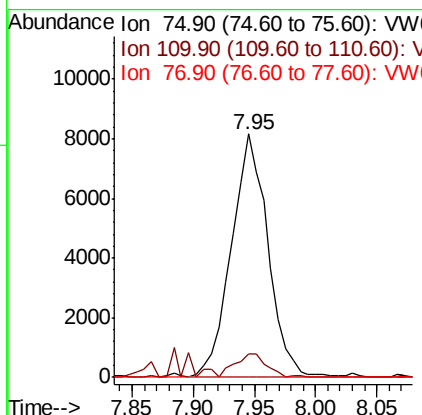
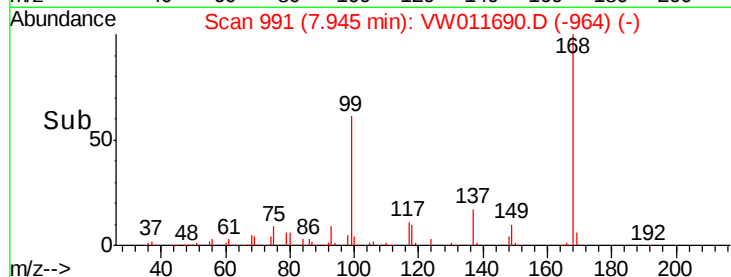
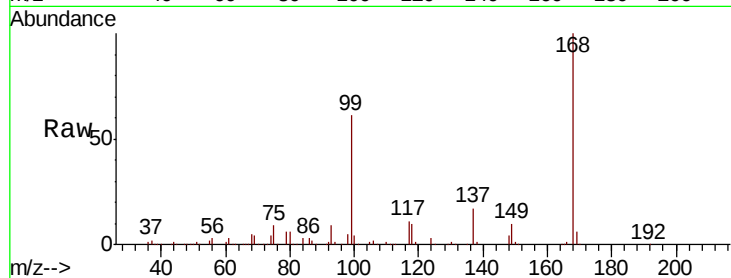
Tot Ion: 75 Resp: 16920

Ion Ratio Lower Upper

75 100

110 8.6 15.6 46.8#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 6.809 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011690.D

Acq: 04 Aug 2019 03:49

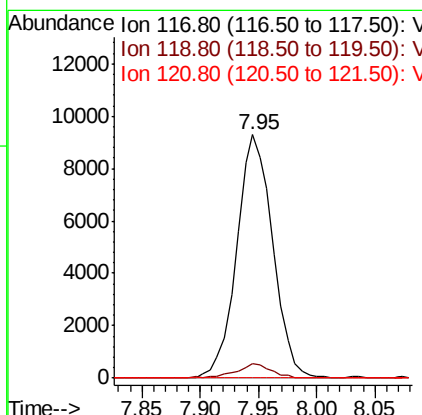
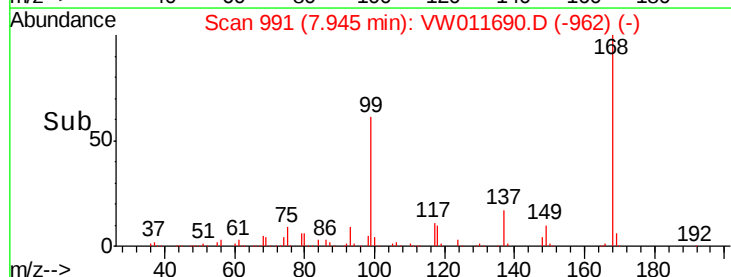
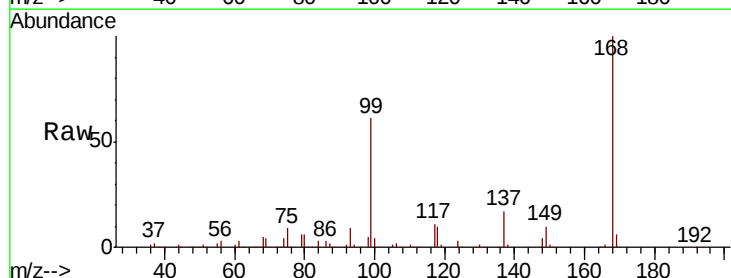
Tgt Ion: 117 Resp: 20017

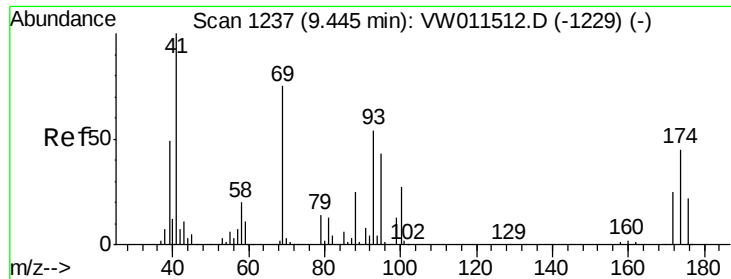
Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.6#

121 0.0 24.7 37.1#

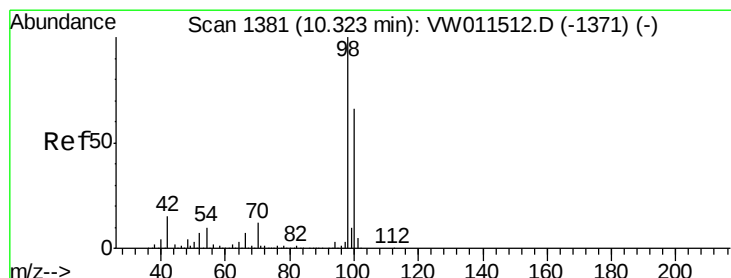
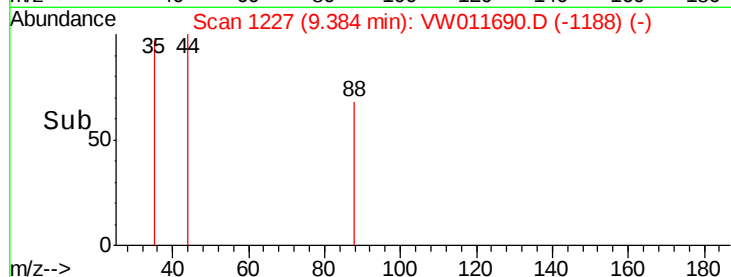
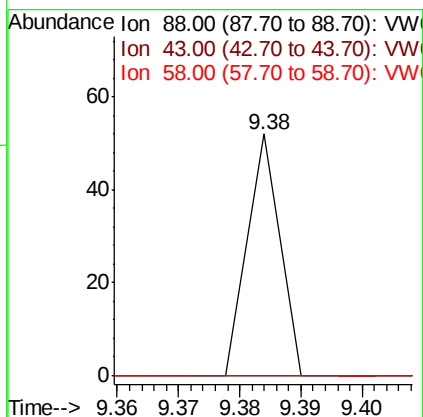
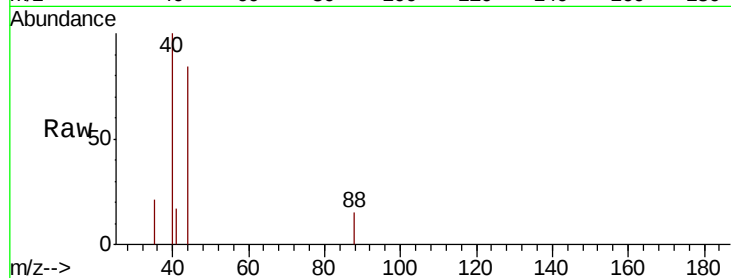




#49
1,4-Dioxane
Concen: 1.117 ug/l
RT: 9.38 min Scan# 1227
Delta R.T. -0.06 min
Lab File: VW011690.D
Acq: 04 Aug 2019 03:49

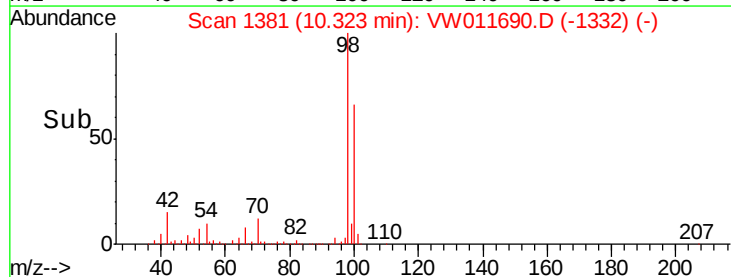
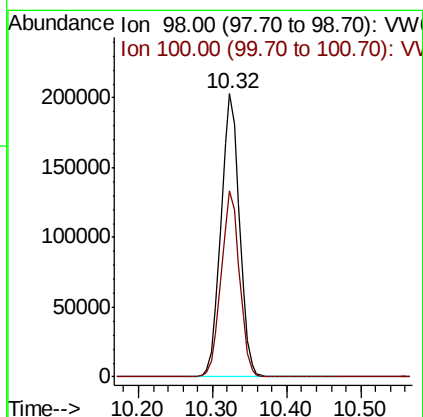
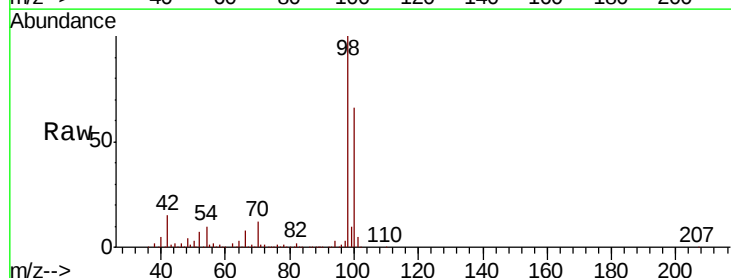
Instrument :
MSVOA_W
ClientSampleId :
1S-B3-(30)

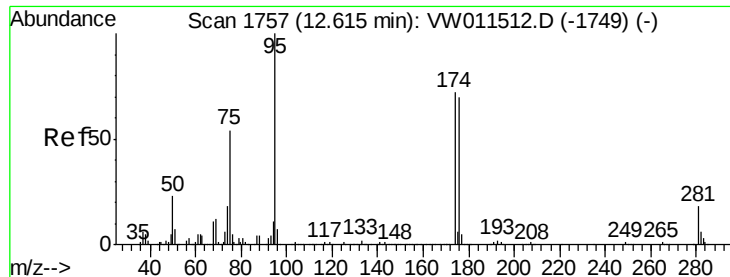
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 34.0 51.0#
58 0.0 69.7 104.5#



#50
Toluene-d8
Concen: 46.228 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011690.D
Acq: 04 Aug 2019 03:49

Tgt Ion: 98 Resp: 350695
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 37.875 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011690.D

Acq: 04 Aug 2019 03:49

Instrument :

MSVOA_W

ClientSampleId :

1S-B3-(30)

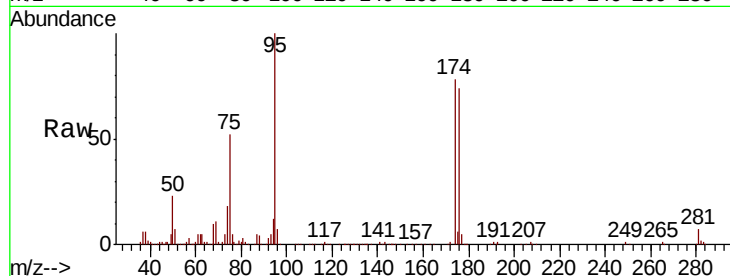
Tot Ion: 95 Resp: 102439

Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.2

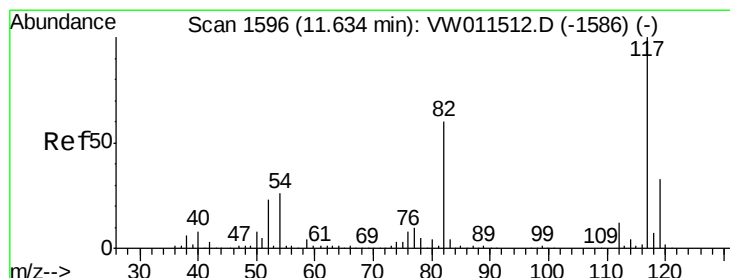
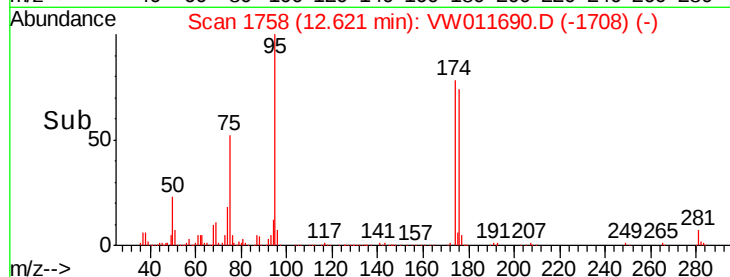
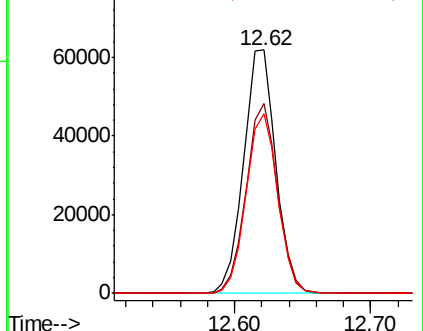
176 72.9 0.0 144.4



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: VW011690.D

Acq: 04 Aug 2019 03:49

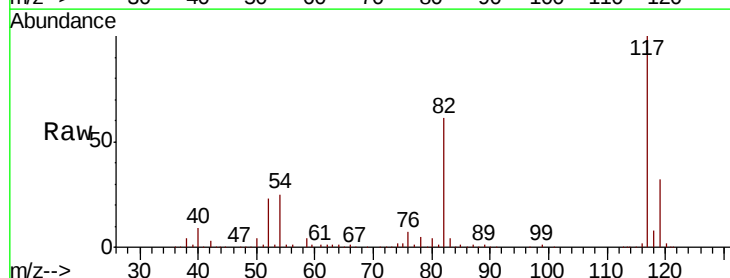
Tgt Ion: 117 Resp: 262539

Ion Ratio Lower Upper

117 100

82 61.2 47.9 71.9

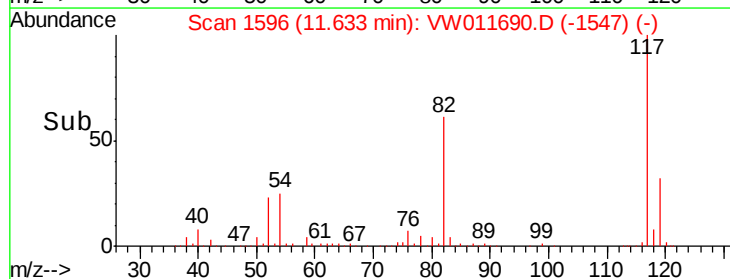
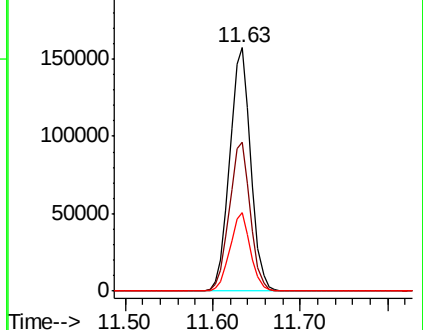
119 32.2 26.2 39.2

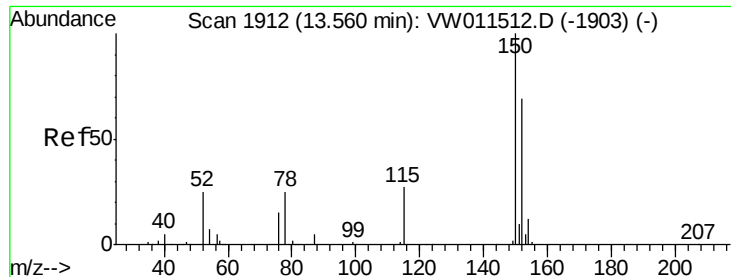


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011690.D

Acq: 04 Aug 2019 03:49

Instrument :

MSVOA_W

ClientSampleId :

1S-B3-(30)

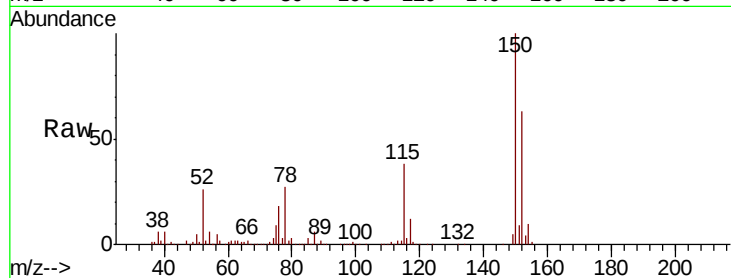
Tot Ion:152 Resp: 94041

Ion Ratio Lower Upper

152 100

115 59.1 30.5 91.5

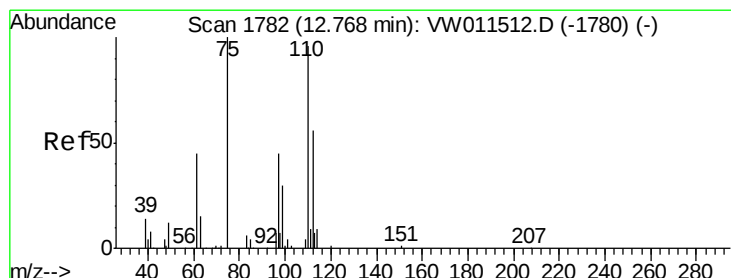
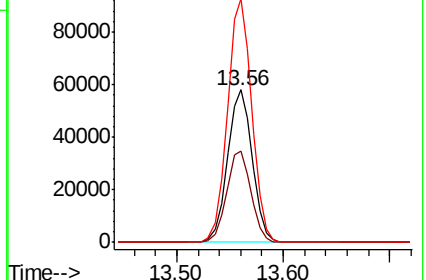
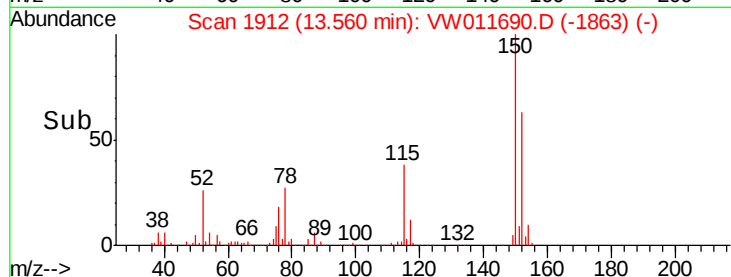
150 157.0 0.0 352.6



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: 55.973 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011690.D

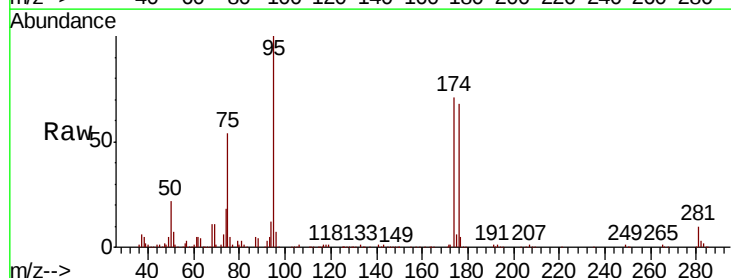
Acq: 04 Aug 2019 03:49

Tgt Ion: 75 Resp: 55697

Ion Ratio Lower Upper

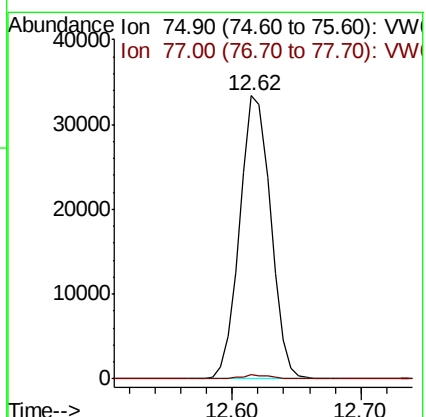
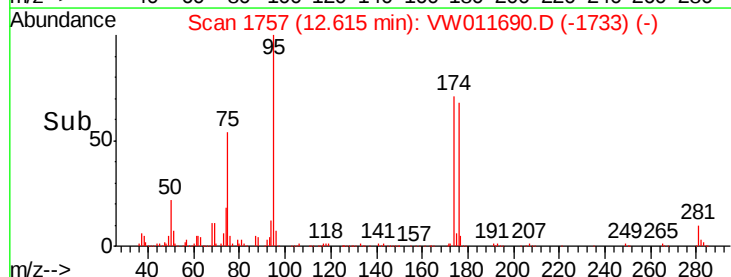
75 100

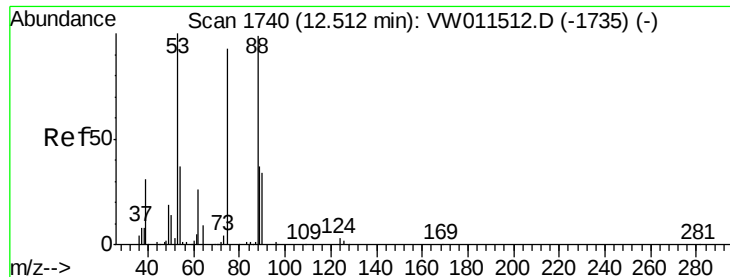
77 1.5 0.0 0.0#



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: 128.999 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011690.D

Acq: 04 Aug 2019 03:49

Instrument :

MSVOA_W

ClientSampleId :

1S-B3-(30)

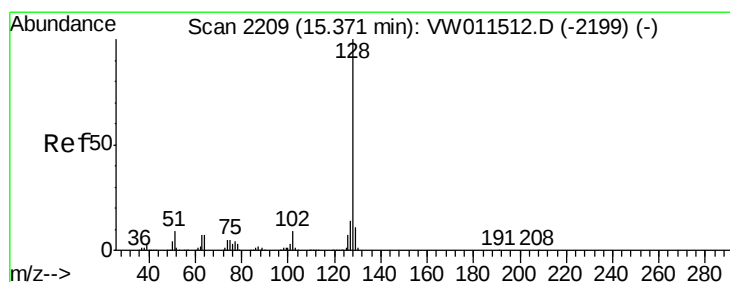
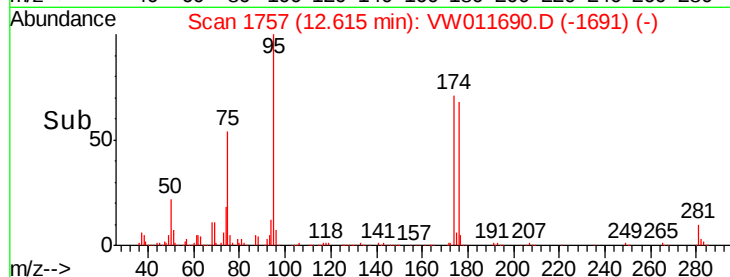
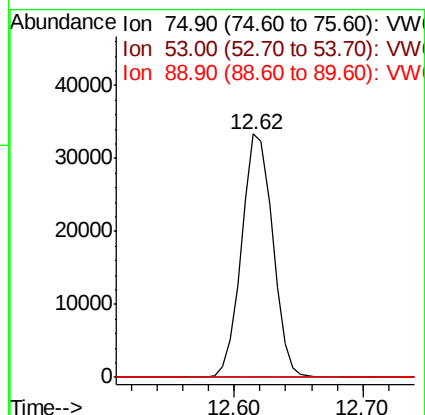
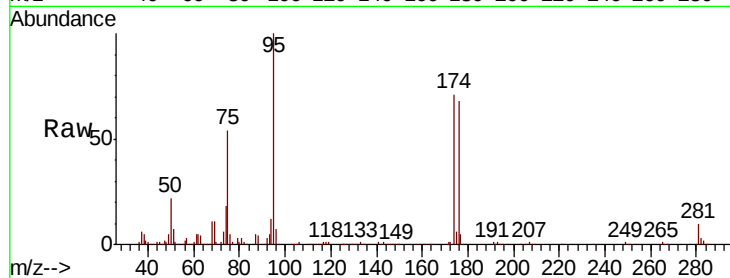
Tot Ion: 75 Resp: 55697

Ion Ratio Lower Upper

75 100

53 0.3 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.140 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW011690.D

Acq: 04 Aug 2019 03:49

Tgt Ion: 128 Resp: 288

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

