

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080319\
 Data File : VW011650.D
 Acq On : 03 Aug 2019 05:35
 Operator : SY/VA
 Sample : K4131-17
 Misc : 5.34G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-E1-(30)

Quant Time: Aug 04 00:09:54 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	251264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	420159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133591	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	162510	56.33	ug/l	0.00
Spiked Amount			Recovery	=	112.66%	
35) Dibromofluoromethane	7.88	113	129633	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	
50) Toluene-d8	10.32	98	512990	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.62	95	160182	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	

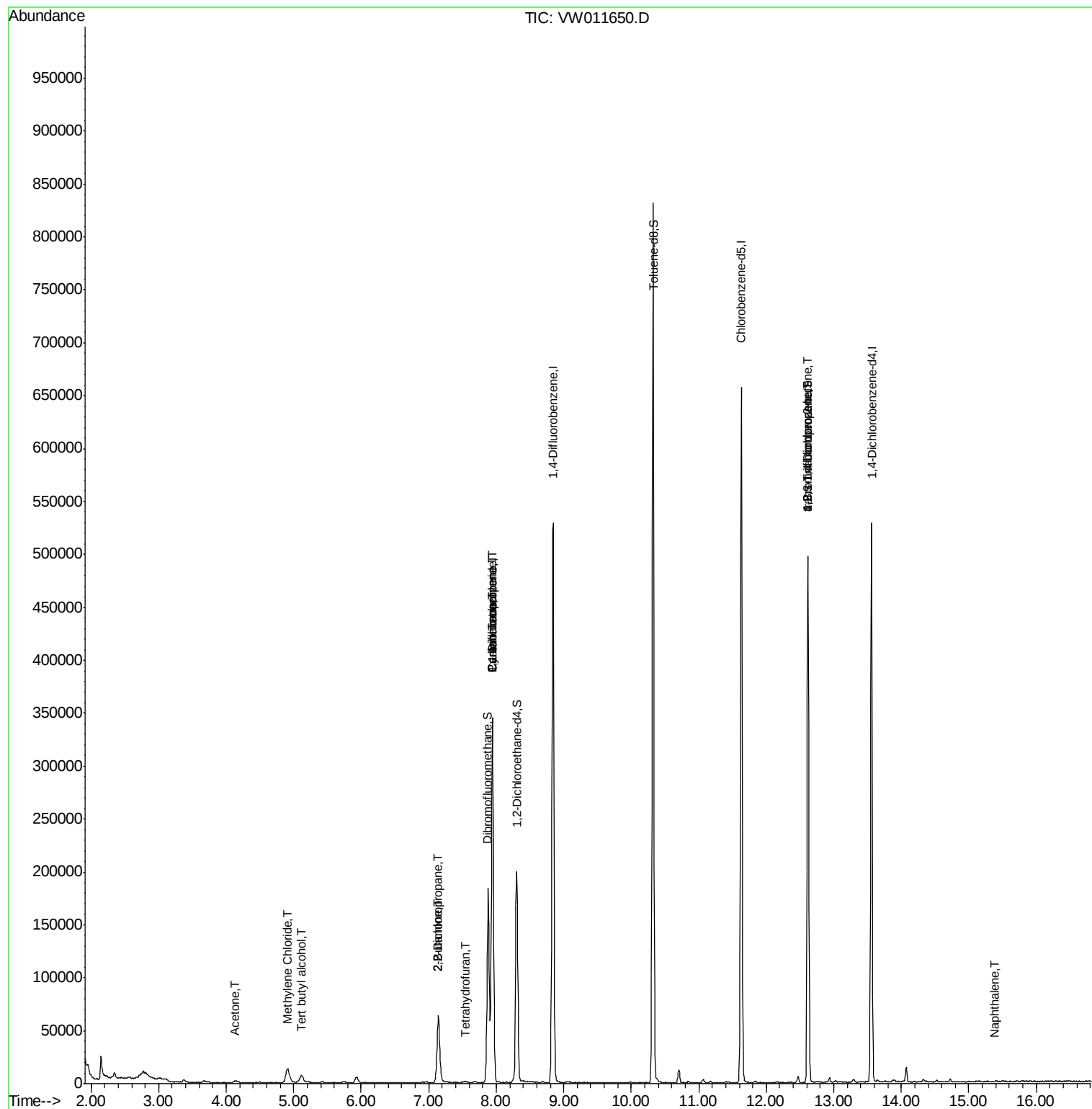
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	7062	16.513	ug/l #	74
16) Acetone	4.12	43	3502	3.816	ug/l	93
20) Methylene Chloride	4.92	84	10144	3.205	ug/l	96
25) 2-Butanone	7.13	43	4133	3.441	ug/l	98
26) 2,2-Dichloropropane	7.15	77	4413	1.277	ug/l #	54
29) Tetrahydrofuran	7.54	42	1179	1.717	ug/l #	87
31) Cyclohexane	7.94	56	6382	1.183	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22258	5.095	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25504	6.819	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	84456	59.748	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84456	137.698	ug/l #	6
95) Naphthalene	15.37	128	127	2.089	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# 991

Delta R.T. -0.00 min

Lab File: VW011650.D

Acq: 03 Aug 2019 05:35

Instrument :

MSVOA_W

ClientSampled :

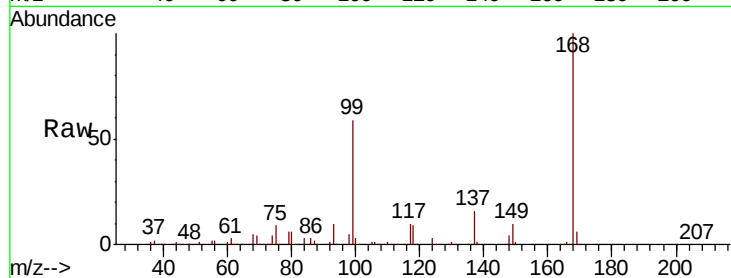
1S-E1-(30)

Tgt Ion: 168 Resp: 251264

Ion Ratio Lower Upper

168 100

99 59.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

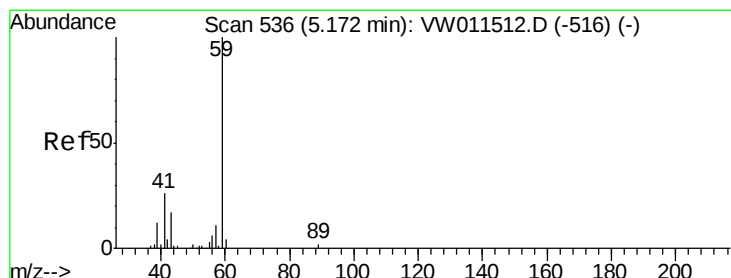
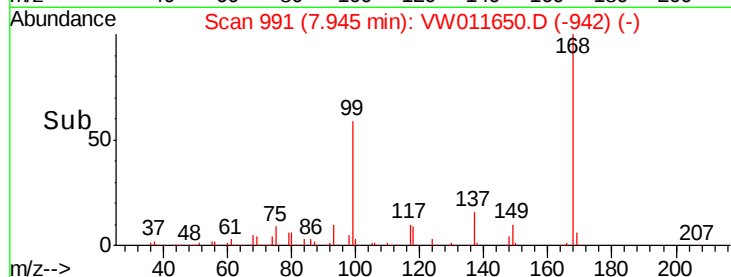
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 16.513 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.06 min

Lab File: VW011650.D

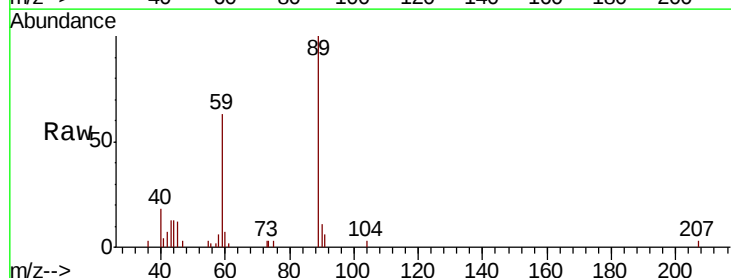
Acq: 03 Aug 2019 05:35

Tgt Ion: 59 Resp: 7062

Ion Ratio Lower Upper

59 100

57 1.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

2000

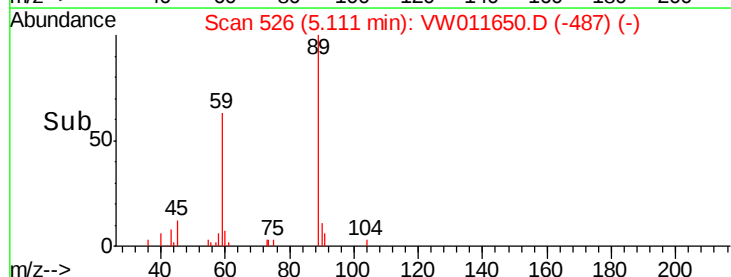
1500

1000

500

0

Time-->

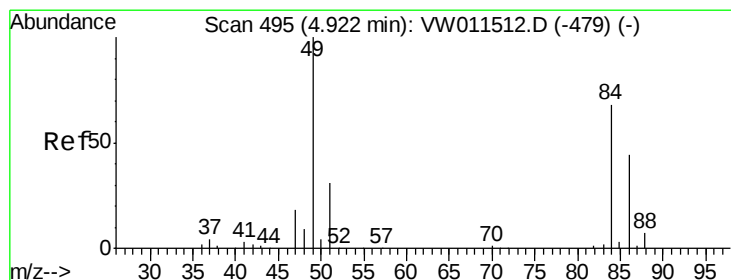
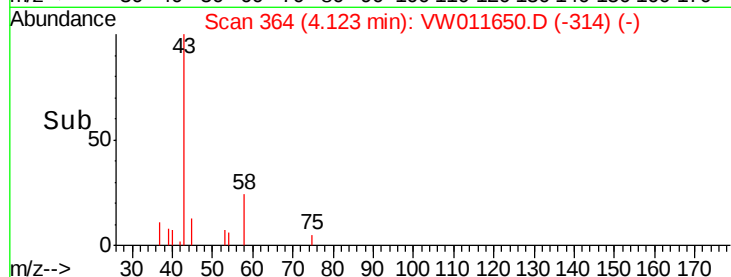
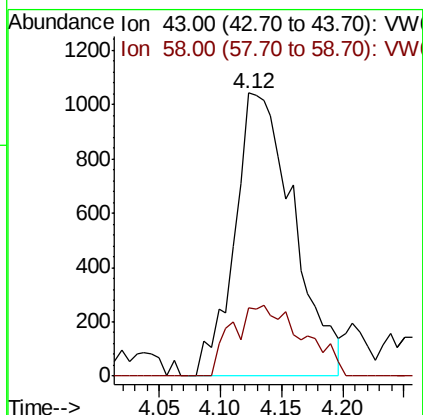
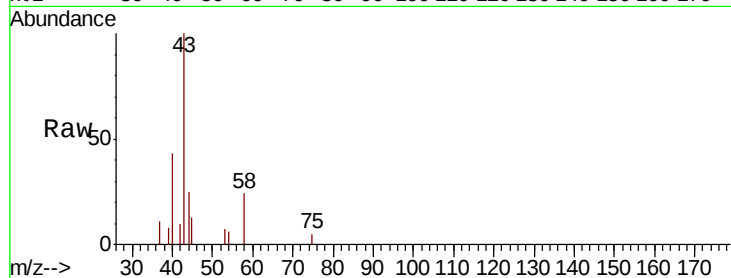




#16
Acetone
Concen: 3.816 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW011650.D
Acq: 03 Aug 2019 05:35

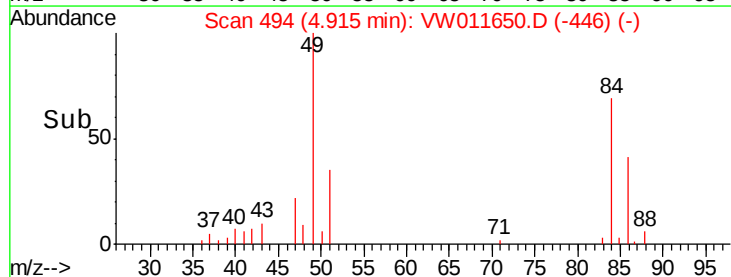
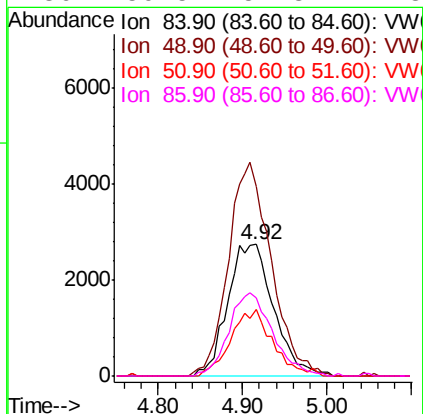
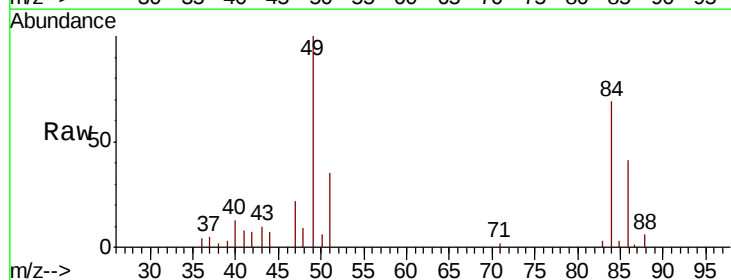
Instrument :
MSVOA_W
ClientSampleId :
1S-E1-(30)

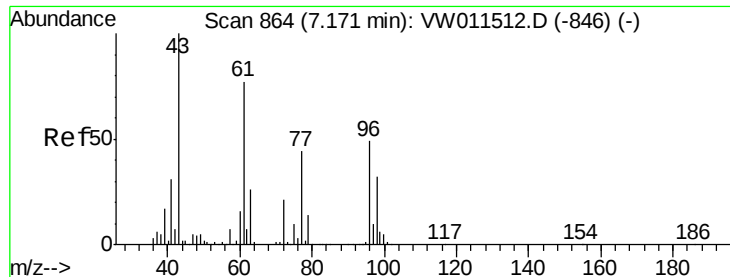
Tgt Ion: 43 Resp: 3502
Ion Ratio Lower Upper
43 100
58 24.0 22.3 33.5



#20
Methylene Chloride
Concen: 3.205 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011650.D
Acq: 03 Aug 2019 05:35

Tgt Ion: 84 Resp: 10144
Ion Ratio Lower Upper
84 100
49 144.4 117.8 176.6
51 50.5 37.0 55.4
86 59.5 51.8 77.8





#25

2-Butanone

Concen: 3.441 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW011650.D

Acq: 03 Aug 2019 05:35

Instrument :

MSVOA_W

ClientSampled :

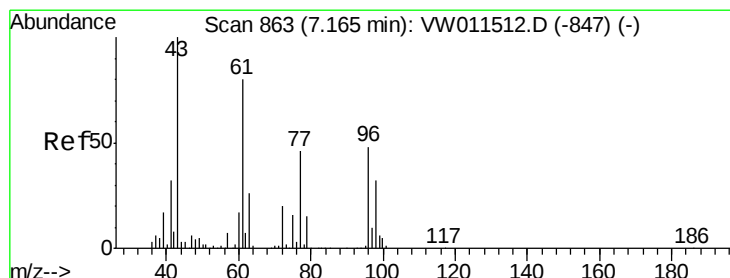
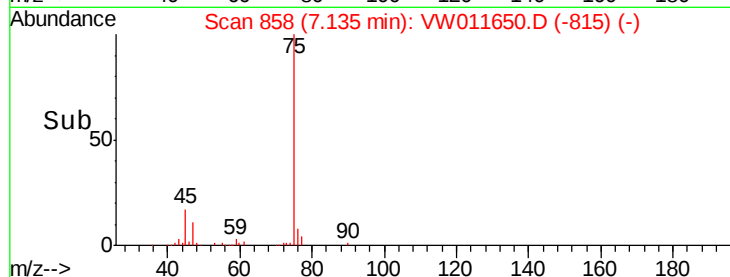
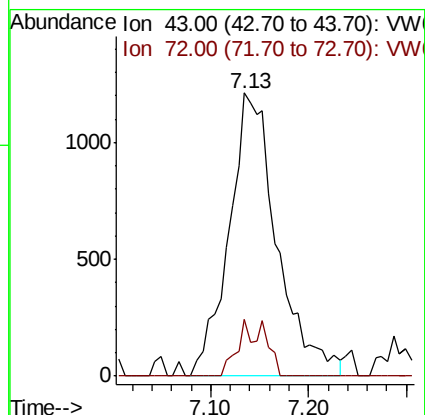
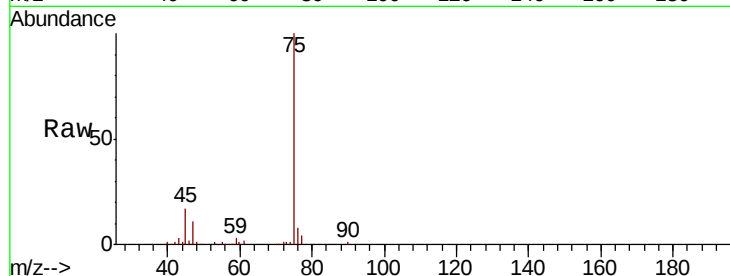
1S-E1-(30)

Tgt Ion: 43 Resp: 4133

Ion Ratio Lower Upper

43 100

72 19.9 16.6 24.8



#26

2,2-Dichloropropane

Concen: 1.277 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011650.D

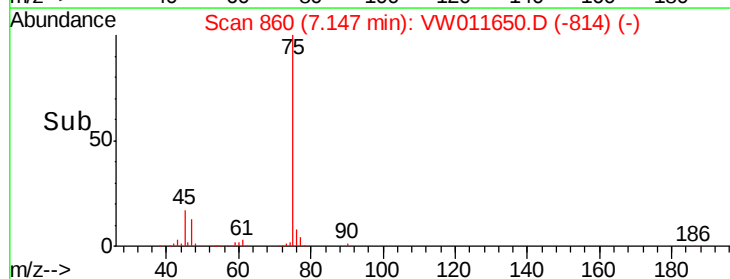
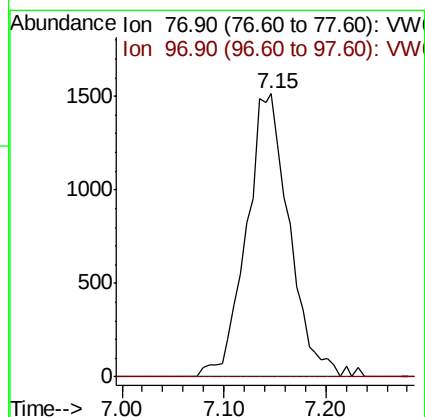
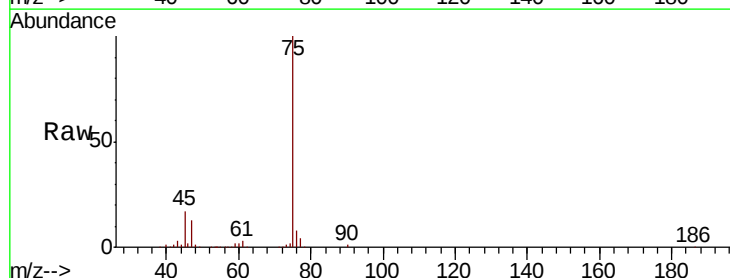
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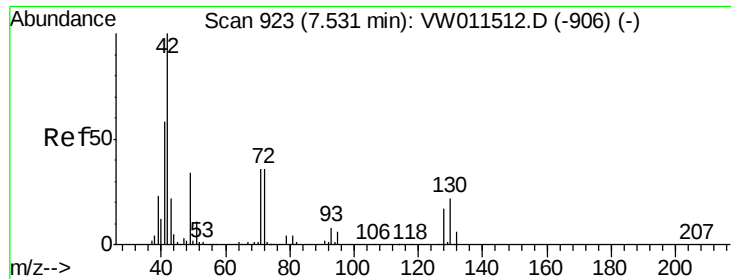
Tgt Ion: 77 Resp: 4413

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

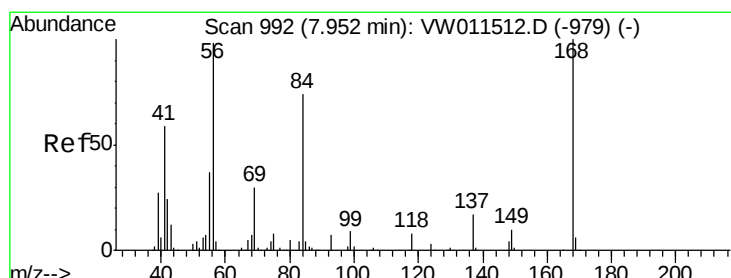
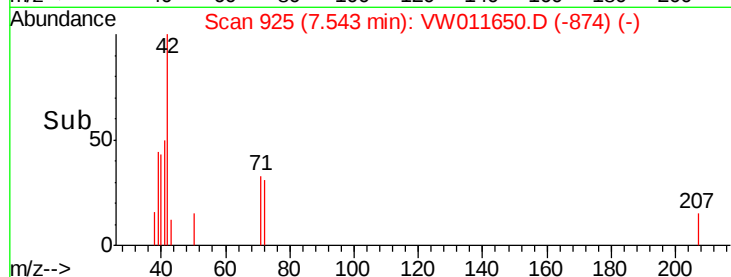
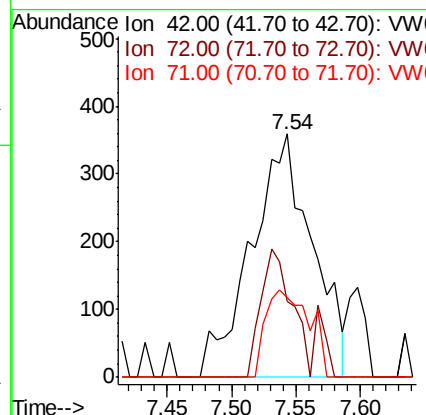
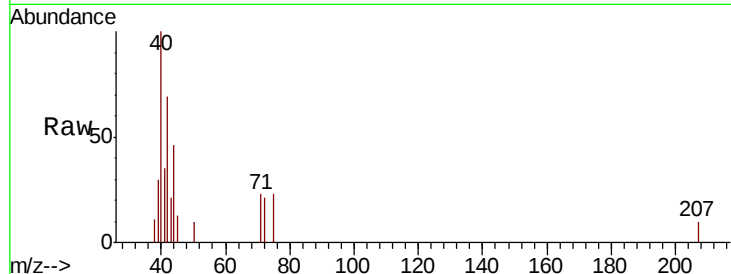




#29
Tetrahydrofuran
Concen: 1.717 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011650.D
Acq: 03 Aug 2019 05:35

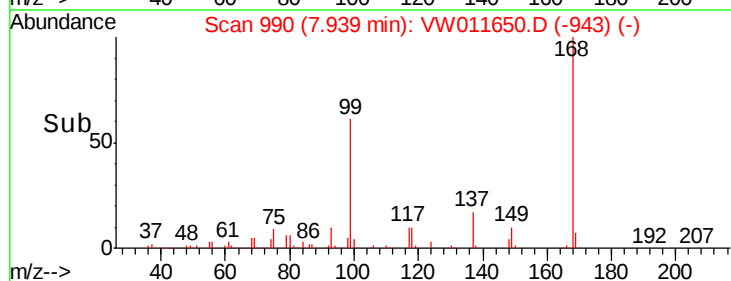
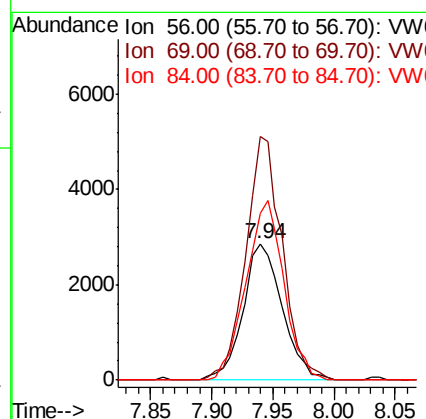
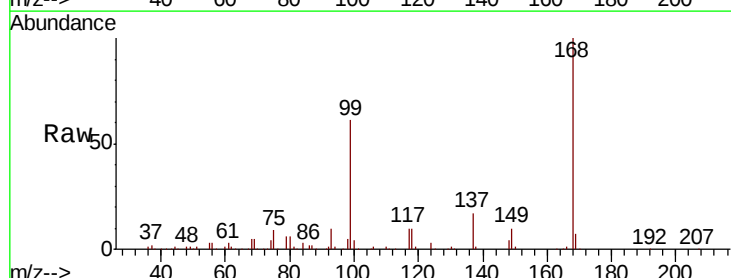
Instrument :
MSVOA_W
ClientSampleId :
1S-E1-(30)

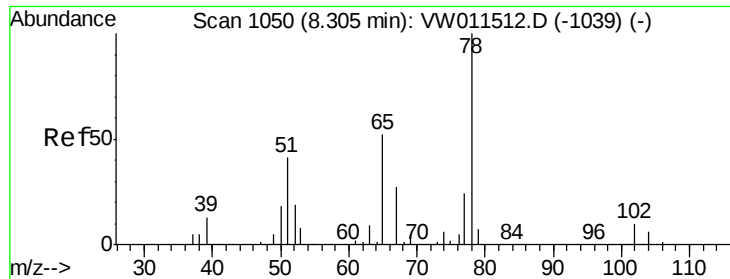
Tgt Ion: 42 Resp: 1179
Ion Ratio Lower Upper
42 100
72 26.6 27.1 40.7#
71 25.4 26.2 39.4#



#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011650.D
Acq: 03 Aug 2019 05:35

Tgt Ion: 56 Resp: 6382
Ion Ratio Lower Upper
56 100
69 178.5 24.3 36.5#
84 122.4 60.4 90.6#

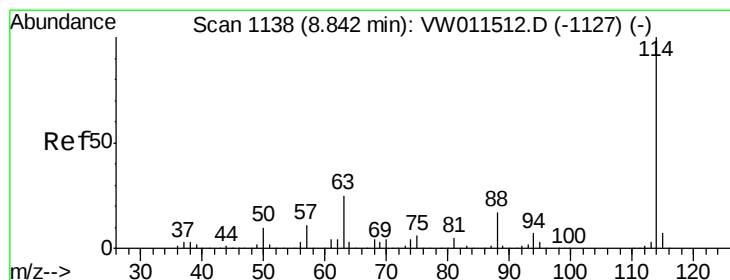
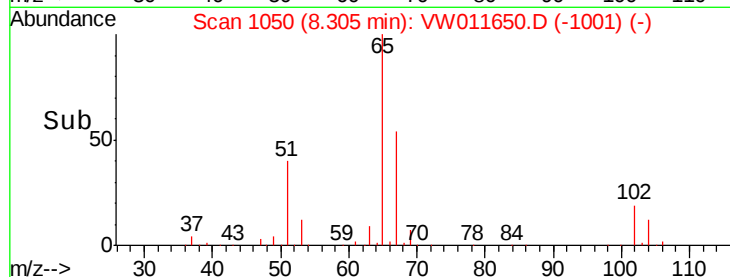
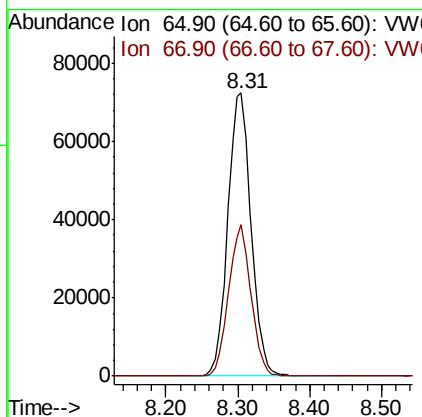
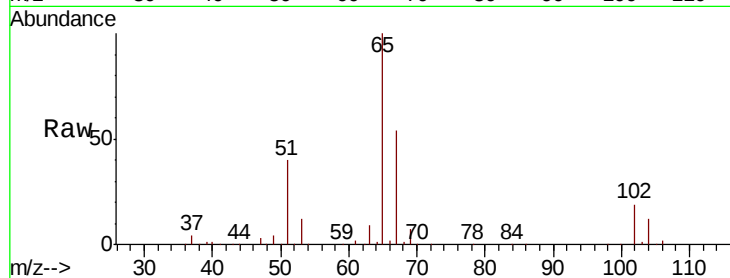




#33
 1,2-Dichloroethane-d4
 Concen: 56.325 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011650.D
 Acq: 03 Aug 2019 05:35

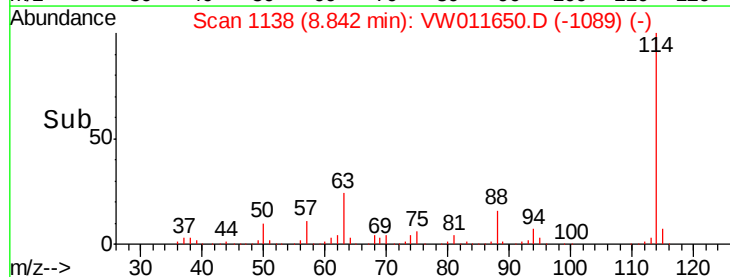
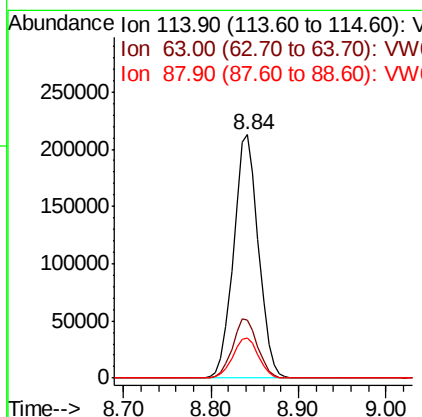
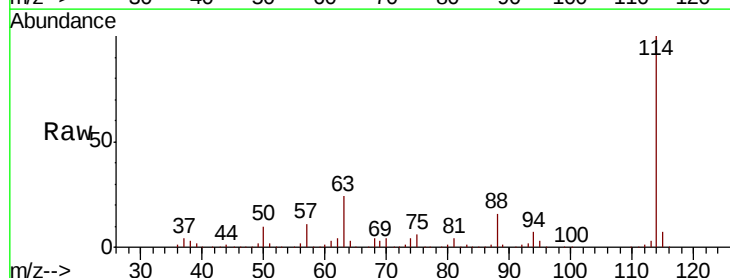
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-E1-(30)

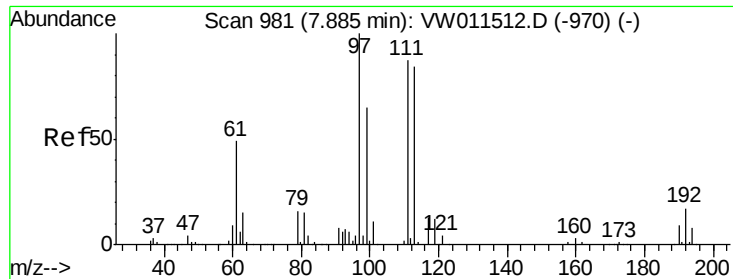
Tgt Ion: 65 Resp: 162510
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011650.D
 Acq: 03 Aug 2019 05:35

Tgt Ion: 114 Resp: 420159
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 16.5 0.0 33.8

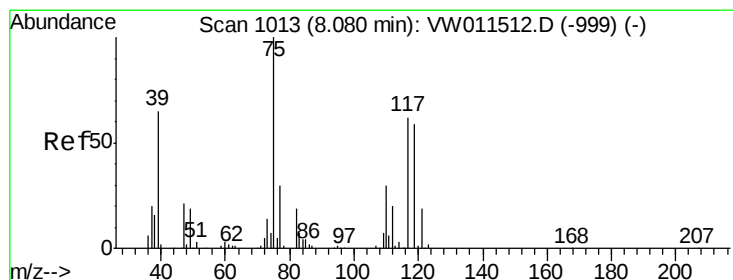
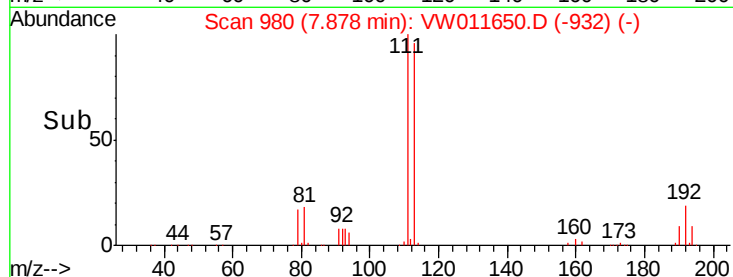
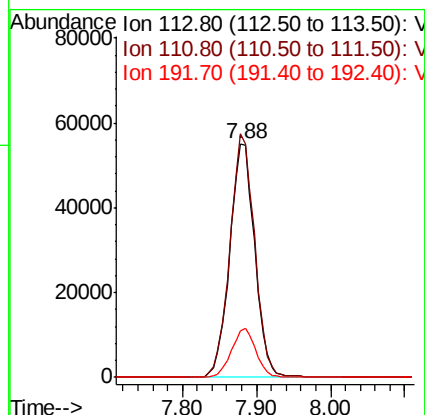
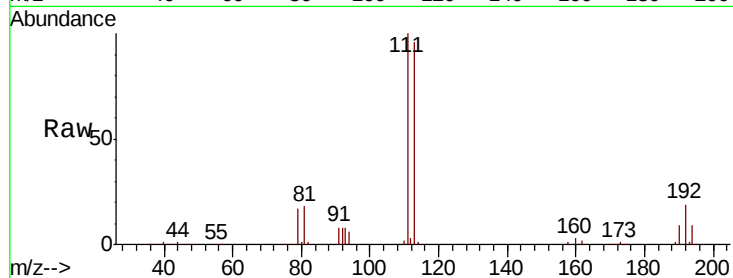




#35
 Dibromofluoromethane
 Concen: 54.995 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011650.D
 Acq: 03 Aug 2019 05:35

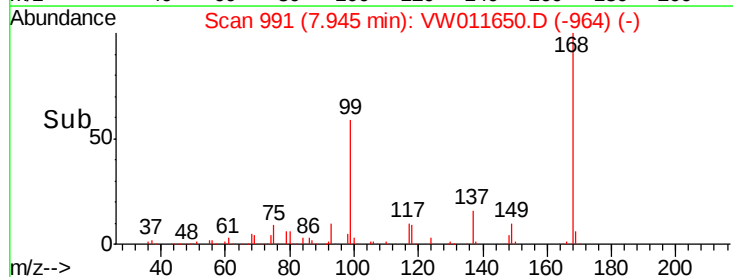
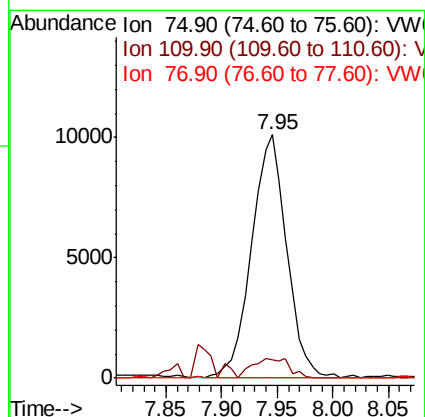
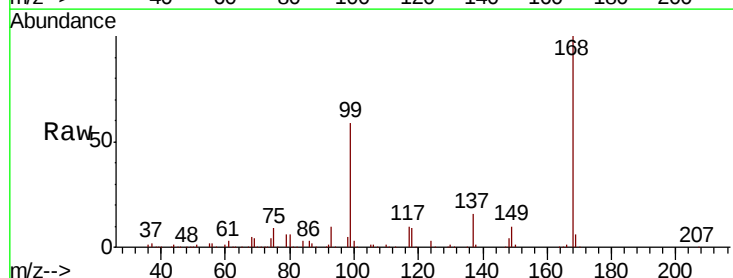
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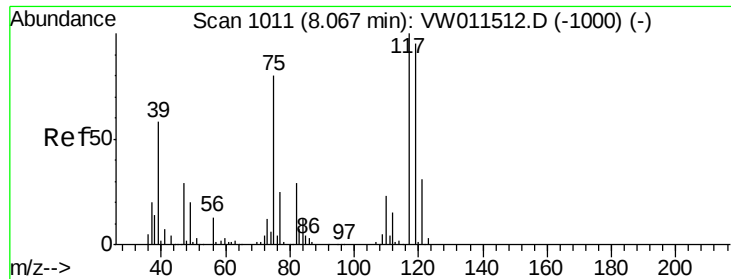
Tgt Ion: 113 Resp: 129633
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.7 124.1
 192 20.4 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.095 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011650.D
 Acq: 03 Aug 2019 05:35

Tgt Ion: 75 Resp: 22258
 Ion Ratio Lower Upper
 75 100
 110 8.4 15.6 46.8#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.819 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011650.D

Acq: 03 Aug 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

1S-E1-(30)

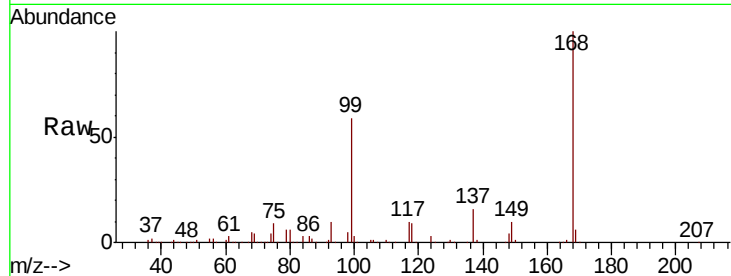
Tgt Ion:117 Resp: 25504

Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.6#

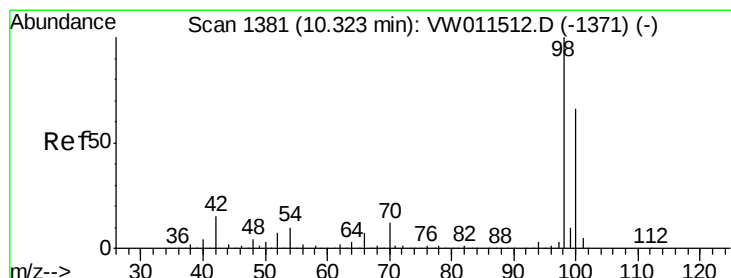
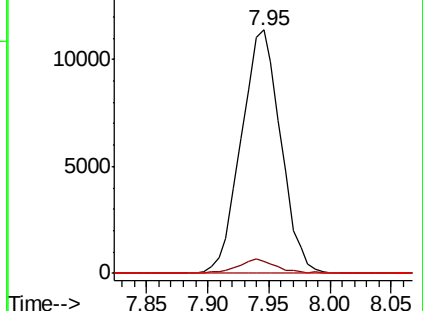
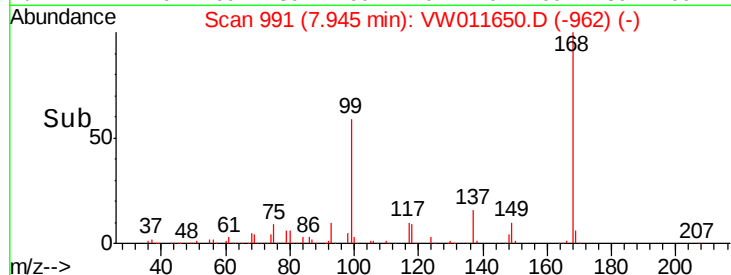
121 0.0 24.7 37.1#



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: 53.154 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011650.D

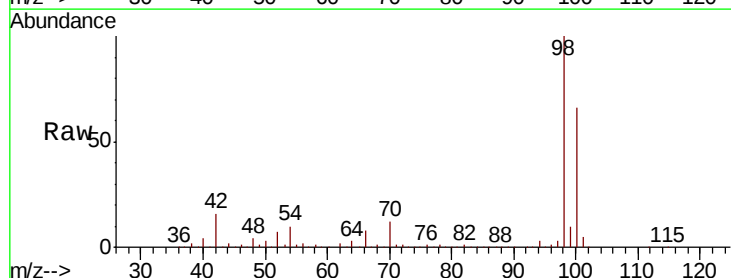
Acq: 03 Aug 2019 05:35

Tgt Ion: 98 Resp: 512990

Ion Ratio Lower Upper

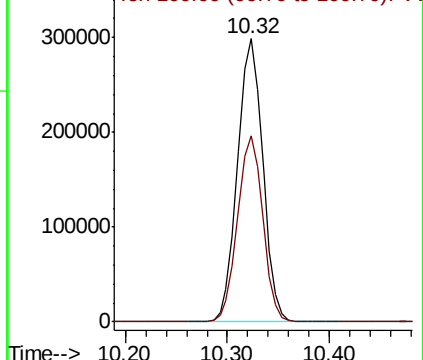
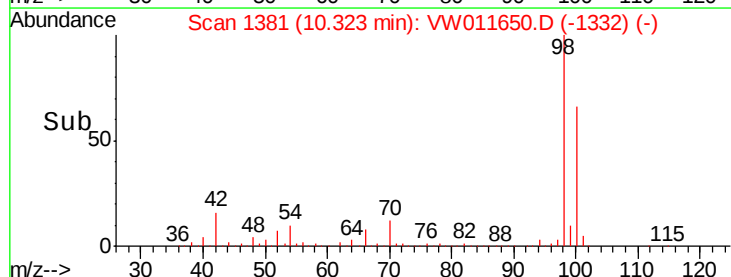
98 100

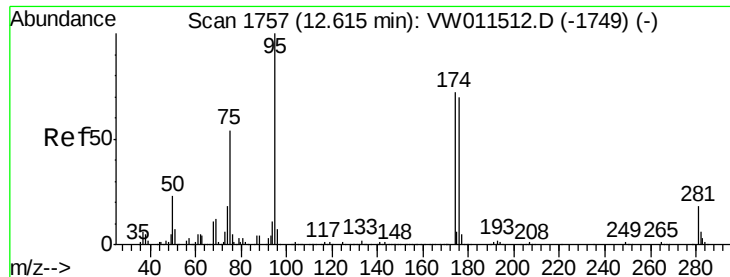
100 65.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 46.554 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011650.D

Acq: 03 Aug 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

1S-E1-(30)

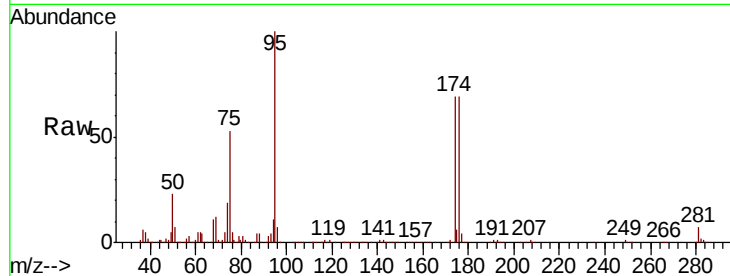
Tgt Ion: 95 Resp: 160182

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

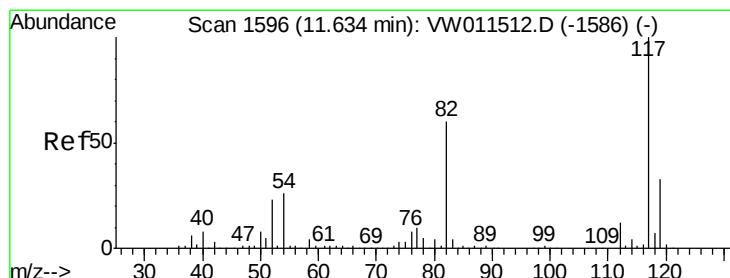
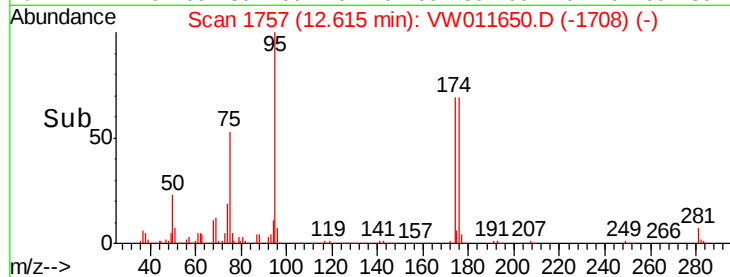
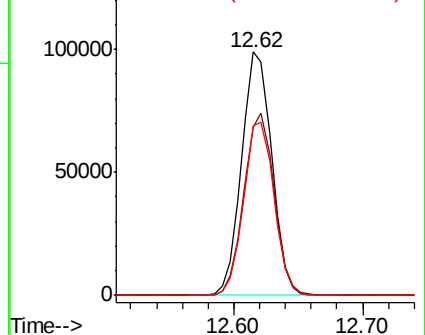
176 71.7 0.0 144.4



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# 1595

Delta R.T. -0.01 min

Lab File: VW011650.D

Acq: 03 Aug 2019 05:35

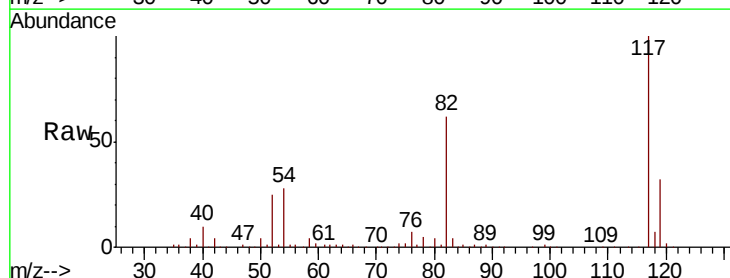
Tgt Ion: 117 Resp: 343910

Ion Ratio Lower Upper

117 100

82 61.7 47.9 71.9

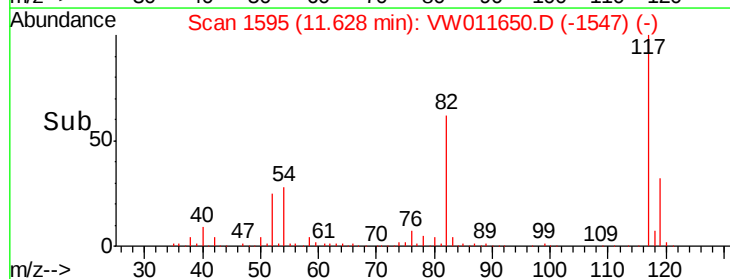
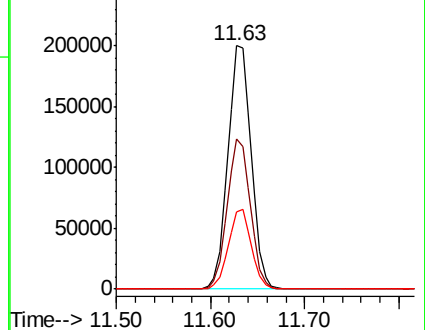
119 31.6 26.2 39.2

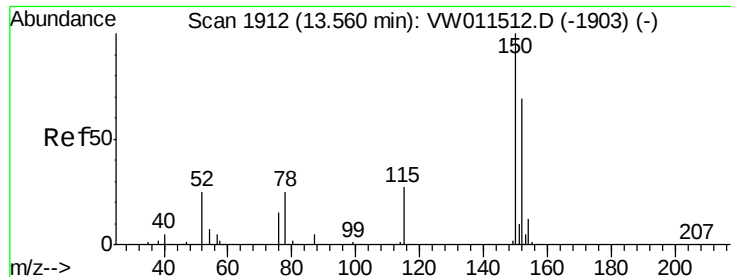


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011650.D

Acq: 03 Aug 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

1S-E1-(30)

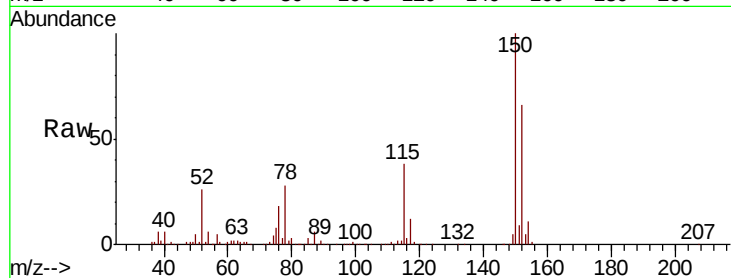
Tgt Ion:152 Resp: 133591

Ion Ratio Lower Upper

152 100

115 60.1 30.5 91.5

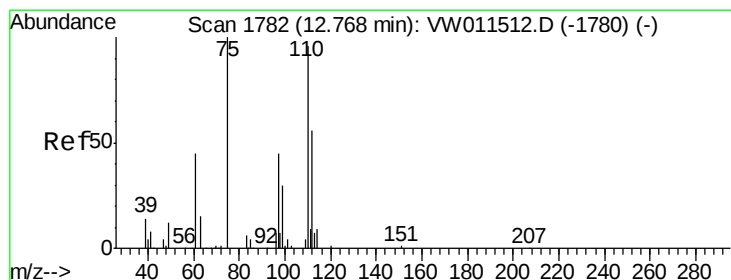
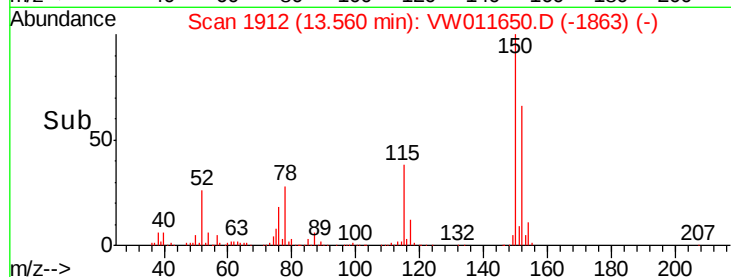
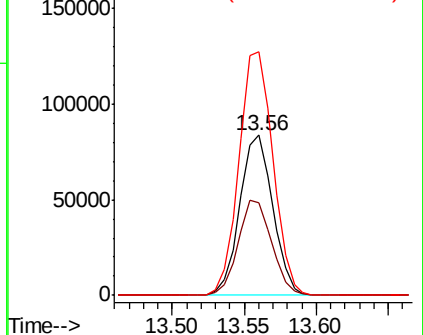
150 156.4 0.0 352.6



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: 59.748 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011650.D

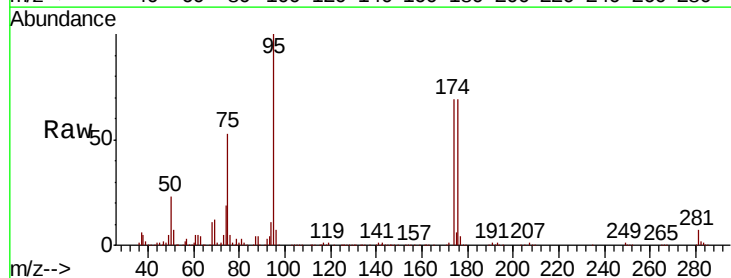
Acq: 03 Aug 2019 05:35

Tgt Ion: 75 Resp: 84456

Ion Ratio Lower Upper

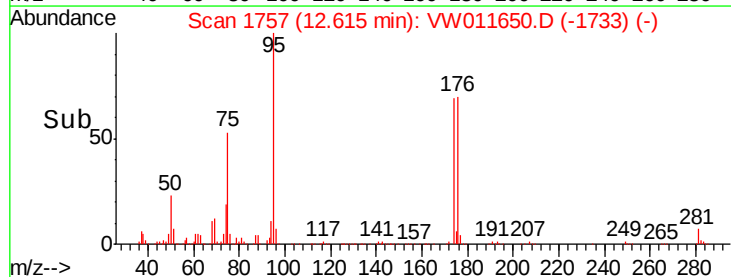
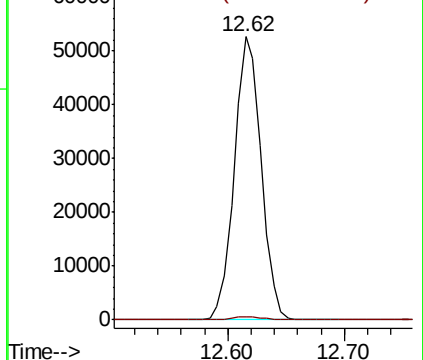
75 100

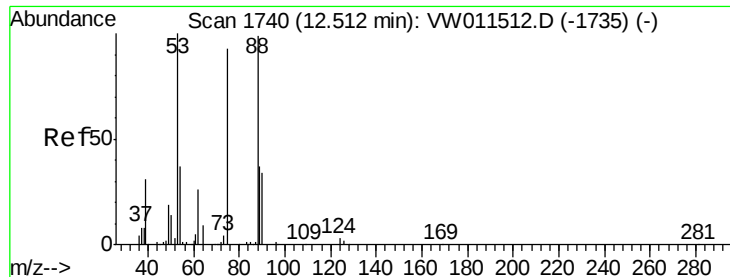
77 1.4 0.0 0.0#



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: 137.698 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011650.D

Acq: 03 Aug 2019 05:35

Instrument :

MSVOA_W

ClientSampleId :

1S-E1-(30)

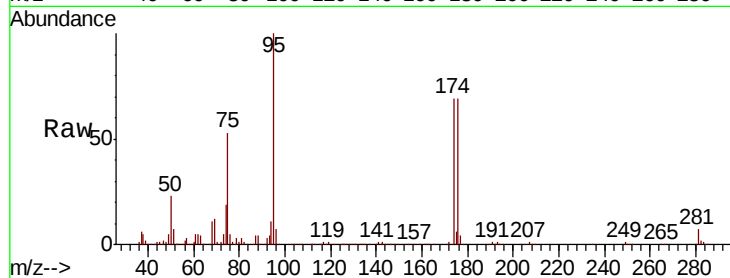
Tgt Ion: 75 Resp: 84456

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

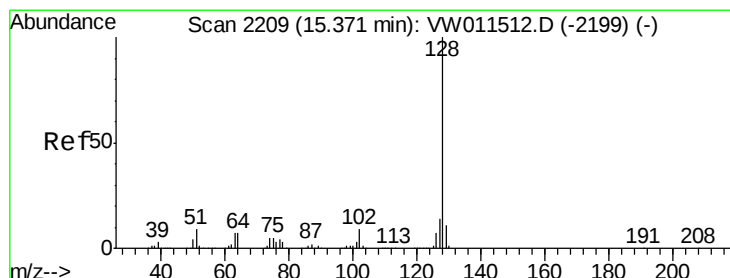
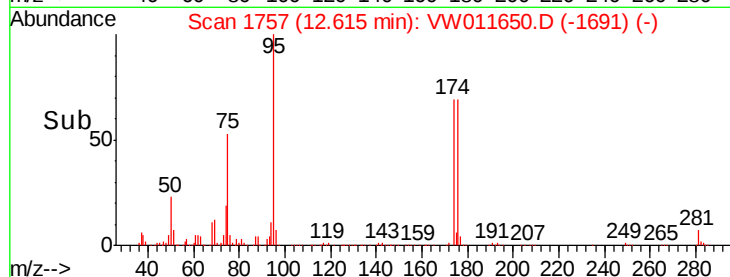
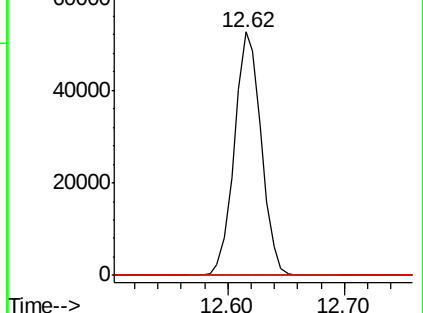
89 0.0 35.3 52.9#



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



#95

Naphthalene

Concen: 2.089 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011650.D

Acq: 03 Aug 2019 05:35

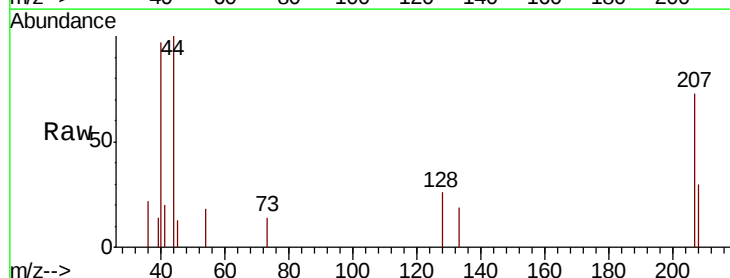
Tgt Ion: 128 Resp: 127

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

