

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
 Data File : VW011746.D
 Acq On : 07 Aug 2019 13:05
 Operator : SY/VA
 Sample : K4165-03
 Misc : 5.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CP-MW2-N-12-16-SOIL

Quant Time: Aug 08 08:39:58 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	216175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	352546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120367	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	131321	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
35) Dibromofluoromethane	7.88	113	108346	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
50) Toluene-d8	10.32	98	433391	53.52	ug/l	0.00
Spiked Amount			Recovery	=	107.04%	
62) 4-Bromofluorobenzene	12.62	95	137952	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	

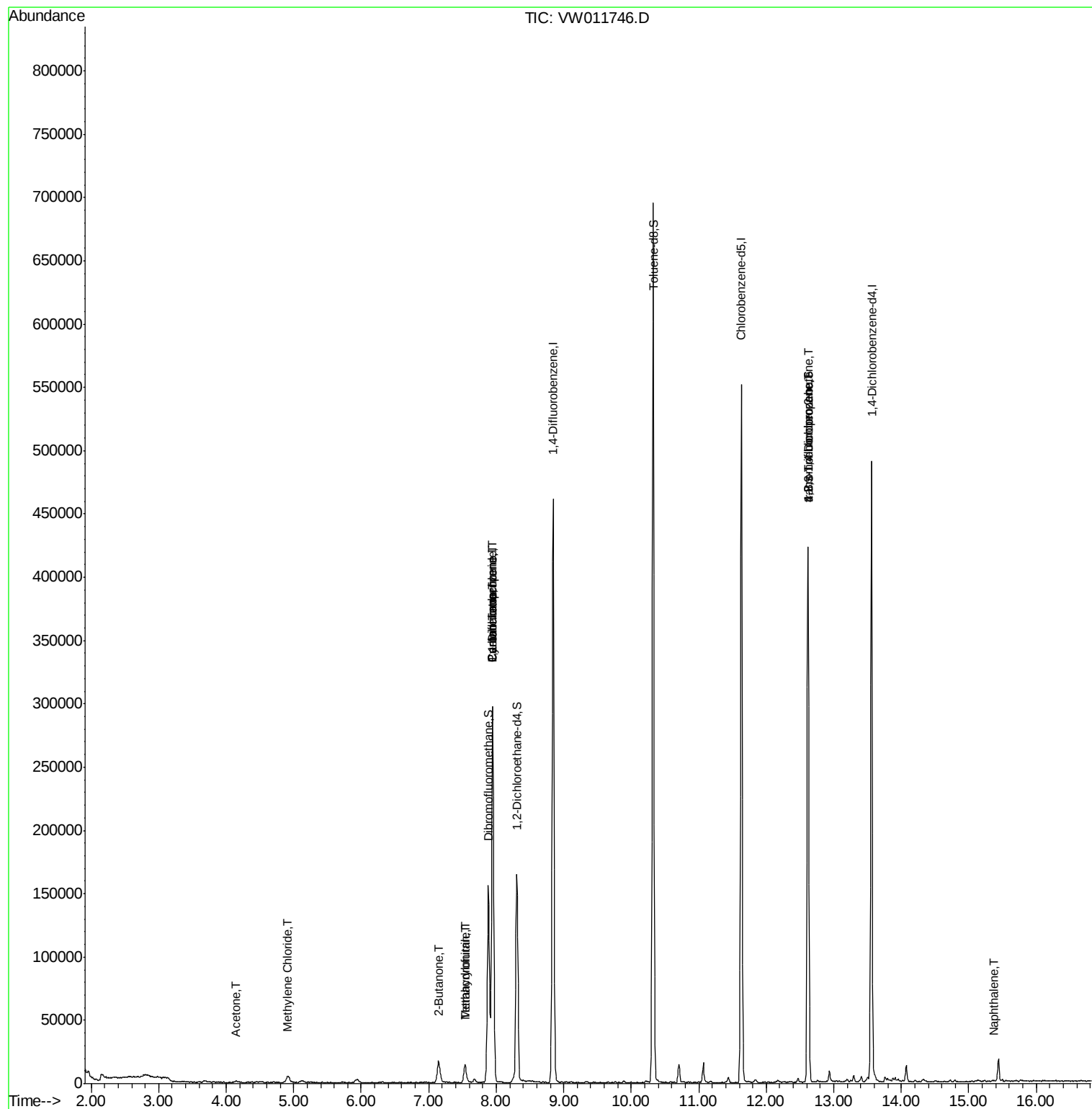
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	121	Below Cal	#	82
16) Acetone	4.15	43	2154	2.728	ug/l #	77
20) Methylene Chloride	4.92	84	3347	1.229	ug/l	91
25) 2-Butanone	7.15	43	1131	1.095	ug/l #	56
29) Tetrahydrofuran	7.53	42	12550	21.249	ug/l	98
31) Cyclohexane	7.95	56	5299	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18499	5.046	ug/l #	53
38) Carbon Tetrachloride	7.95	117	21888	6.975	ug/l #	17
41) Methacrylonitrile	7.54	41	7651	6.069	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	72836	57.188	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72836	131.799	ug/l #	6
95) Naphthalene	15.37	128	606	2.188	ug/l #	88

(#) = 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: VW011746.D

Acq: 07 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

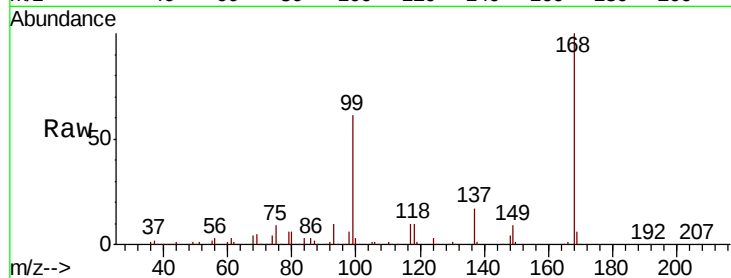
CP-MW2-N-12-16-SOIL

Tgt Ion:168 Resp: 216175

Ion Ratio Lower Upper

168 100

99 61.2 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

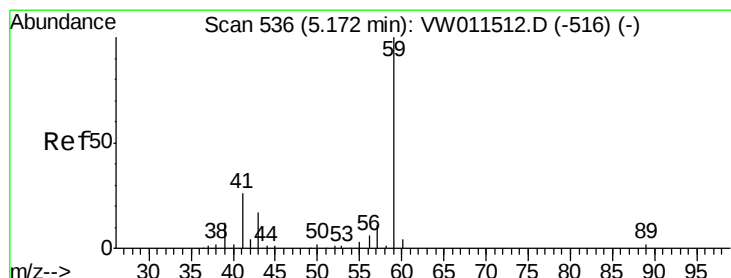
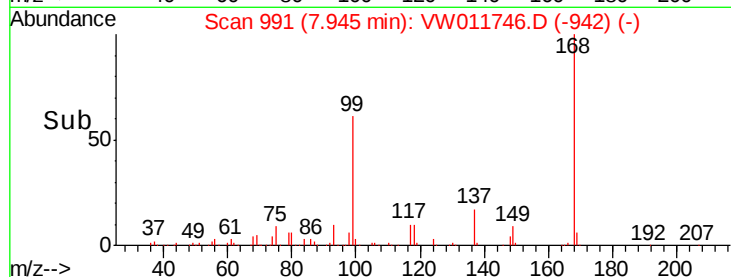
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW011746.D

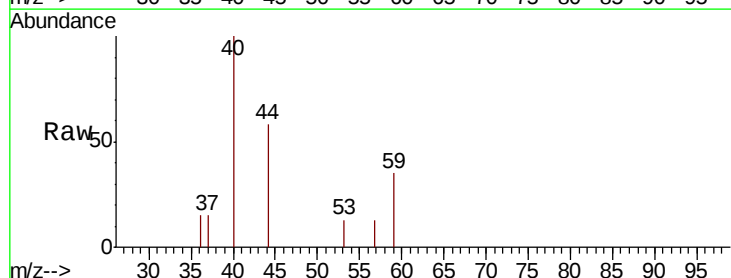
Acq: 07 Aug 2019 13:05

Tgt Ion: 59 Resp: 121

Ion Ratio Lower Upper

59 100

57 17.4 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

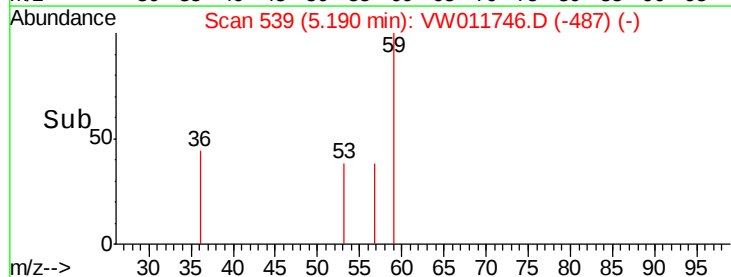
150

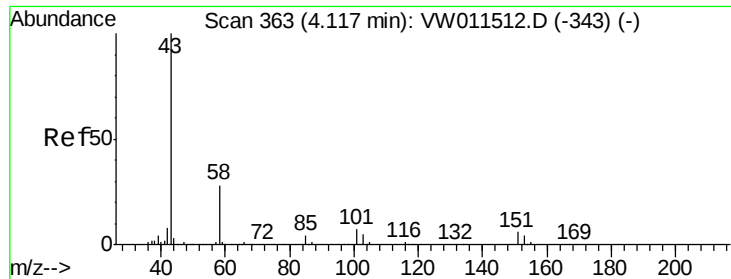
100

50

0

Time--> 5.17 5.18 5.19 5.20 5.21

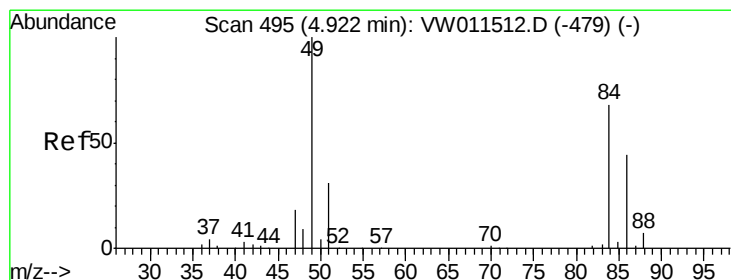
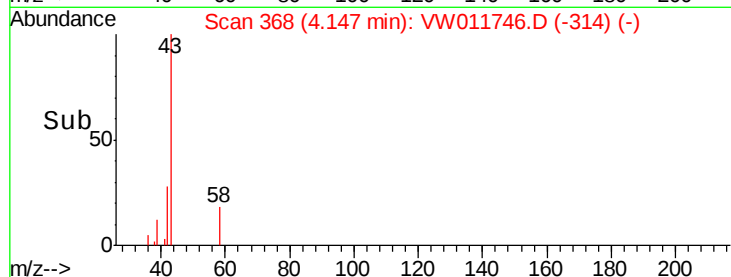
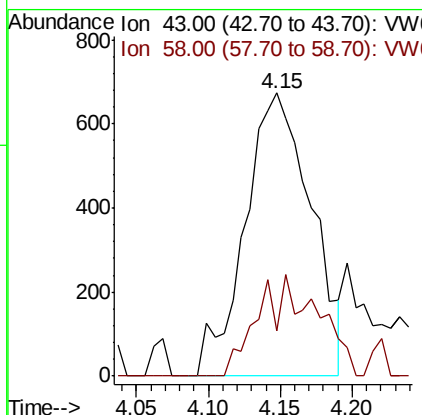
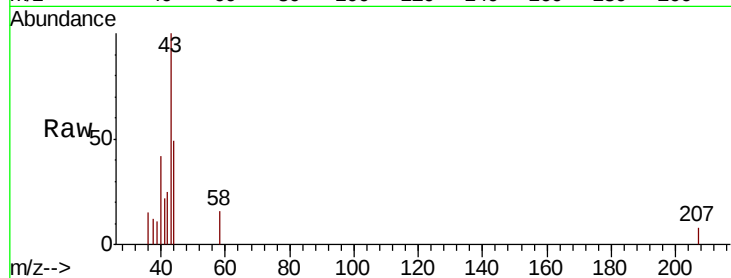




#16
Acetone
Concen: 2.728 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.03 min
Lab File: VW011746.D
Acq: 07 Aug 2019 13:05

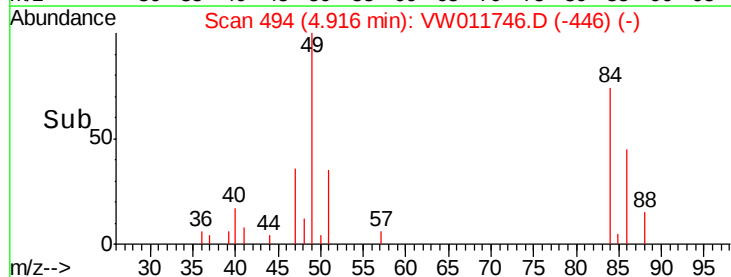
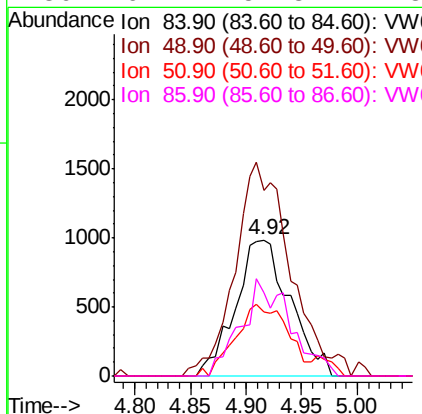
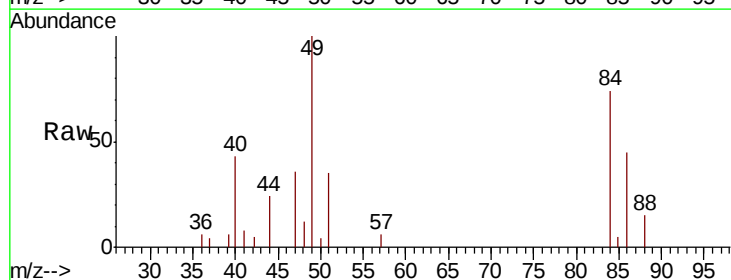
Instrument :
MSVOA_W
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CP-MW2-N-12-16-SOIL

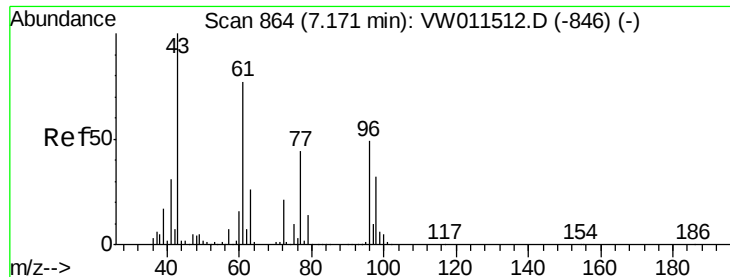
Tgt Ion: 43 Resp: 2154
Ion Ratio Lower Upper
43 100
58 16.0 22.3 33.5#



#20
Methylene Chloride
Concen: 1.229 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011746.D
Acq: 07 Aug 2019 13:05

Tgt Ion: 84 Resp: 3347
Ion Ratio Lower Upper
84 100
49 130.7 117.8 176.6
51 47.1 37.0 55.4
86 61.4 51.8 77.8





#25

2-Butanone

Concen: 1.095 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011746.D

Acq: 07 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

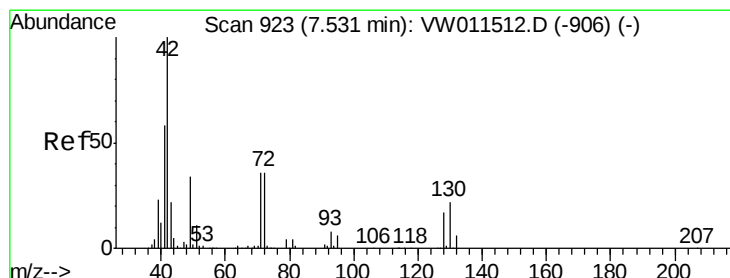
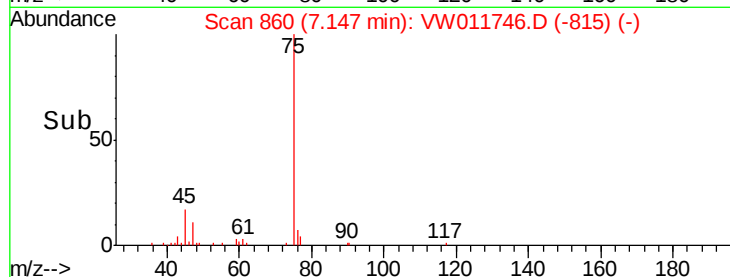
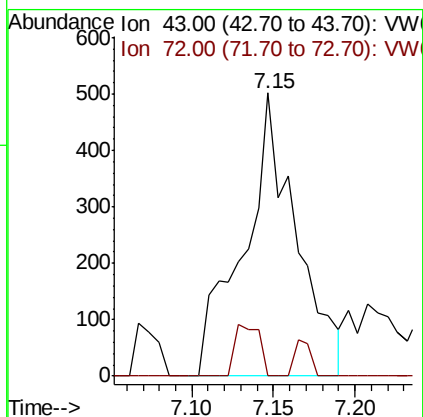
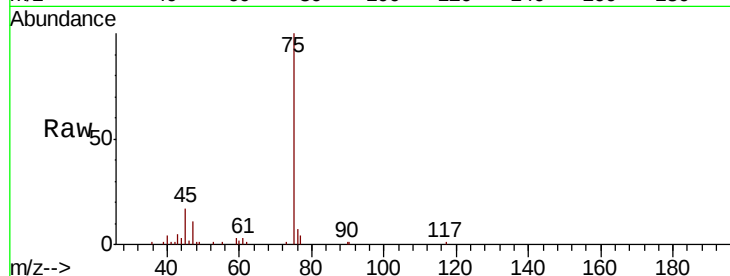
CP-MW2-N-12-16-SOIL

Tgt Ion: 43 Resp: 1131

Ion Ratio Lower Upper

43 100

72 0.0 16.6 24.8#



#29

Tetrahydrofuran

Concen: 21.249 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW011746.D

Acq: 07 Aug 2019 13:05

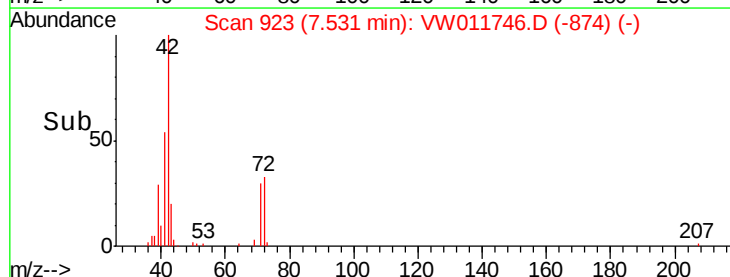
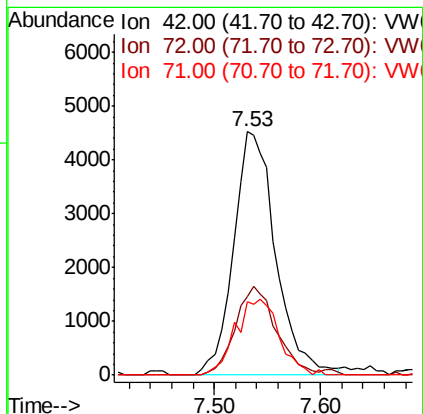
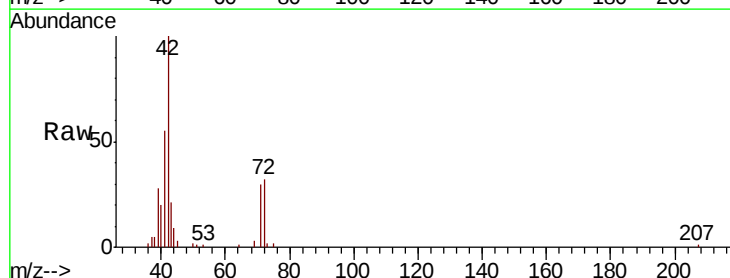
Tgt Ion: 42 Resp: 12550

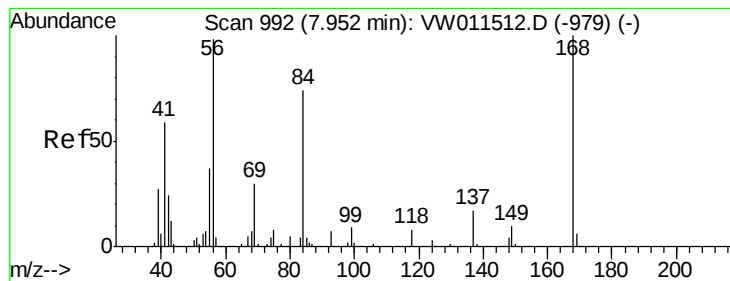
Ion Ratio Lower Upper

42 100

72 35.5 27.1 40.7

71 32.3 26.2 39.4





#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011746.D

Acq: 07 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

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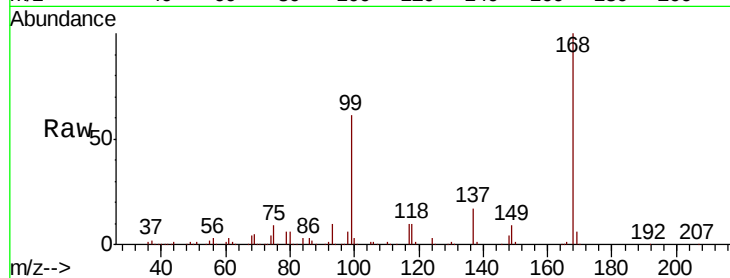
Tgt Ion: 56 Resp: 5299

Ion Ratio Lower Upper

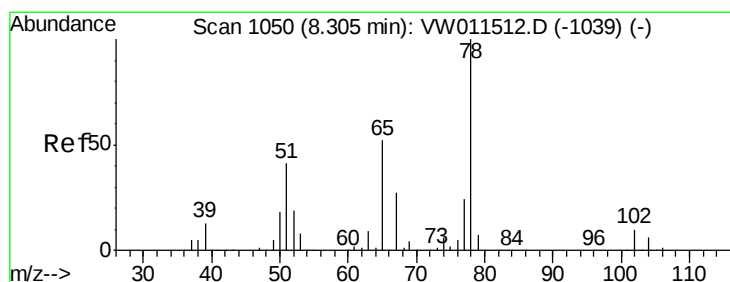
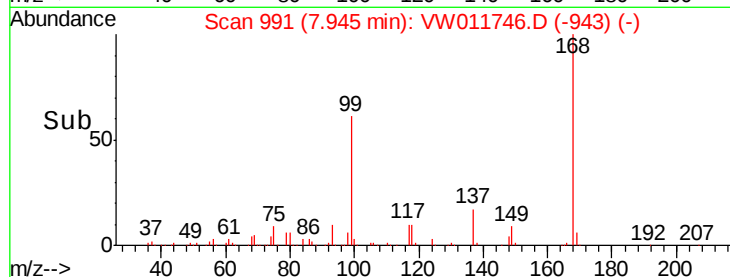
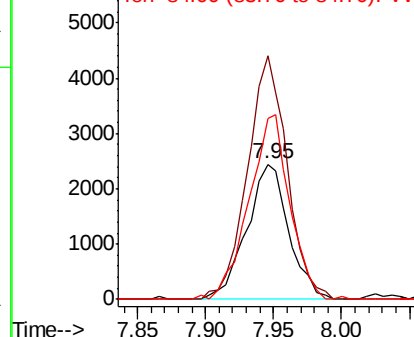
56 100

69 179.8 24.3 36.5#

84 133.4 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: 52.903 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011746.D

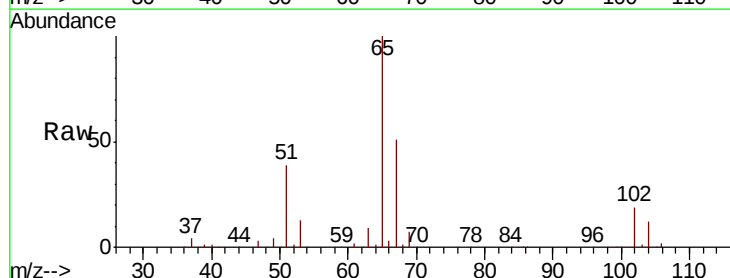
Acq: 07 Aug 2019 13:05

Tgt Ion: 65 Resp: 131321

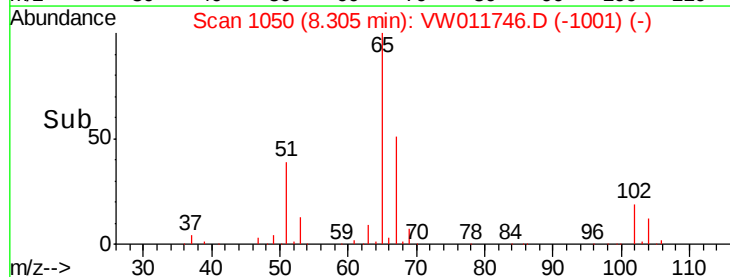
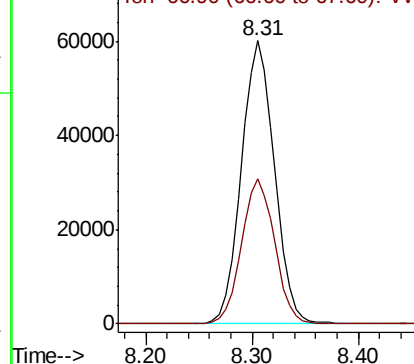
Ion Ratio Lower Upper

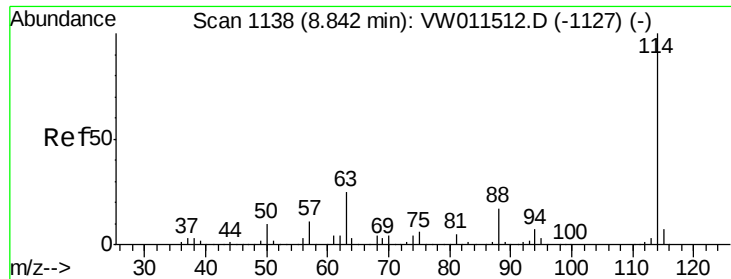
65 100

67 51.5 0.0 105.2



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

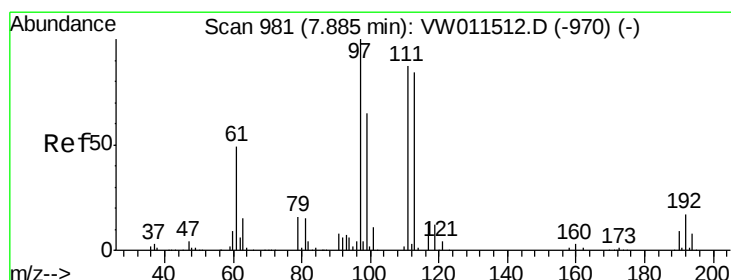
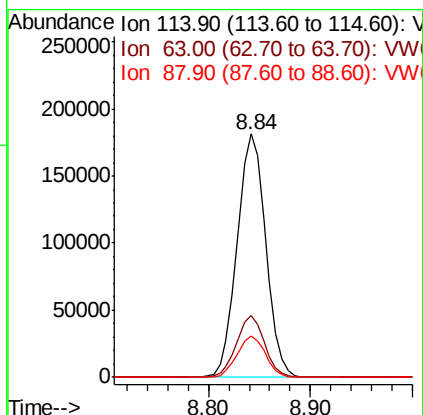
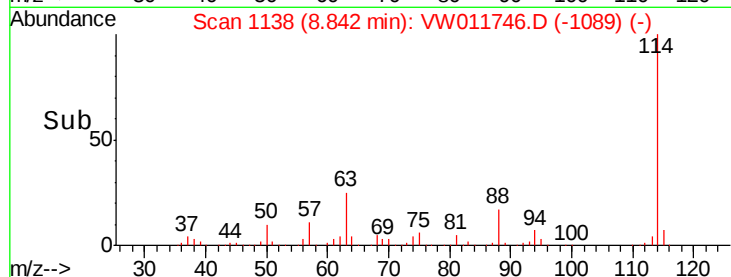
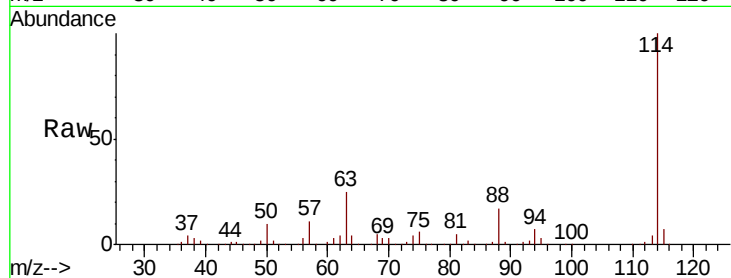




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011746.D
 Acq: 07 Aug 2019 13:05

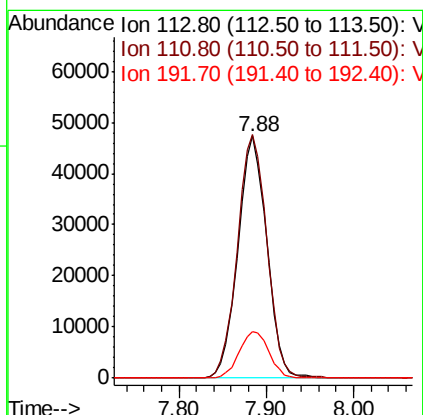
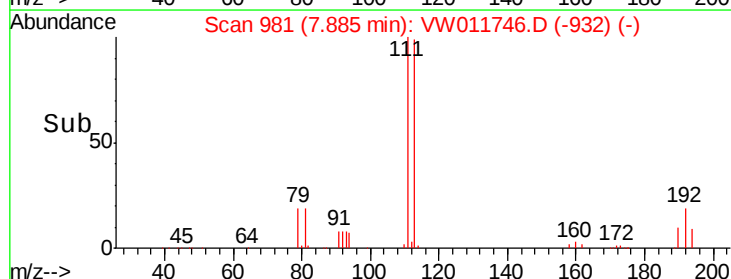
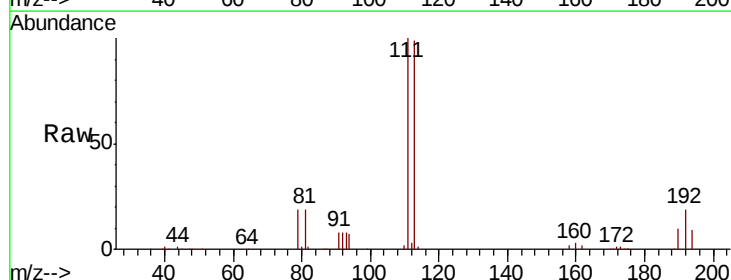
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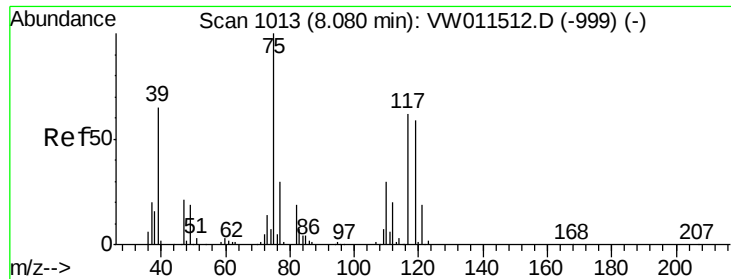
Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.5	0.0	49.2
88	17.0	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 54.780 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011746.D
 Acq: 07 Aug 2019 13:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.7	124.1
192	20.0	16.1	24.1

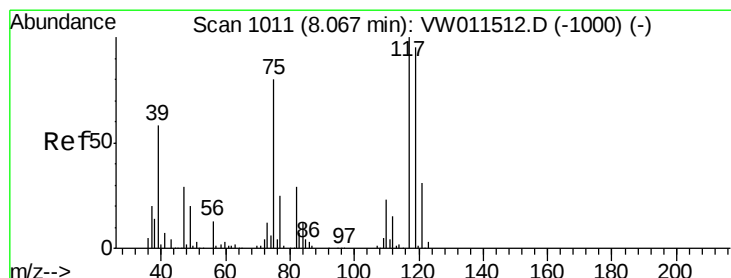
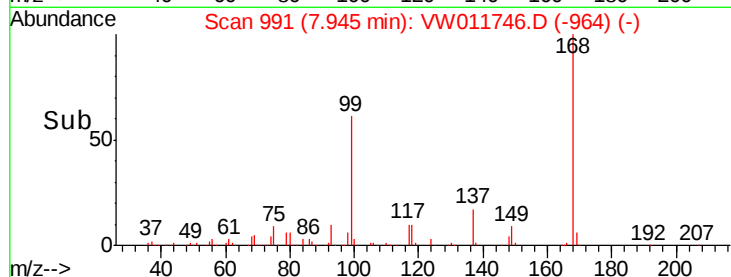
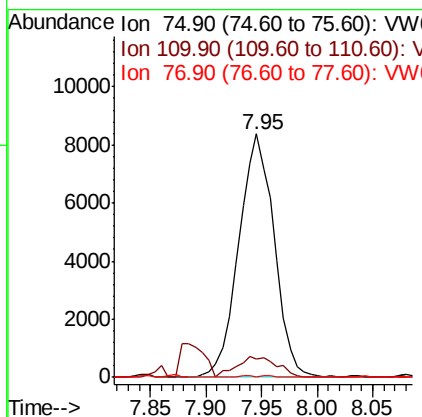
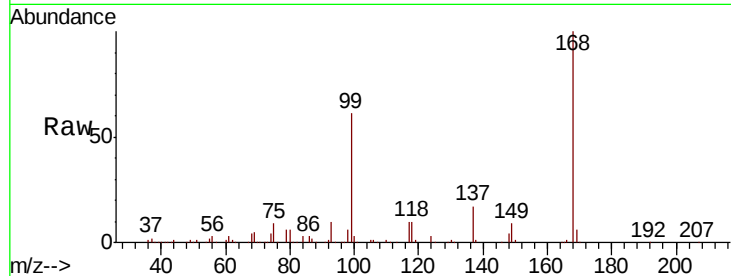




#36
 1,1-Dichloropropene
 Concen: 5.046 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011746.D
 Acq: 07 Aug 2019 13:05

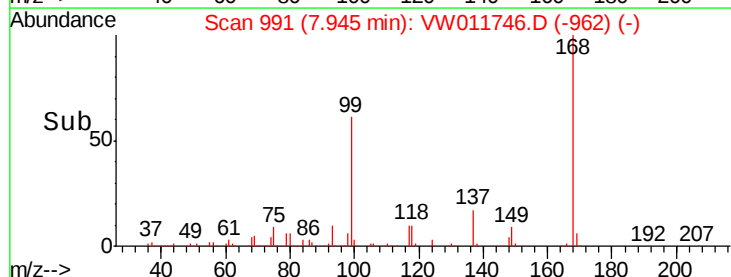
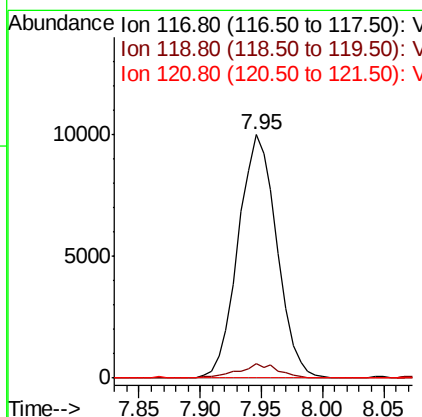
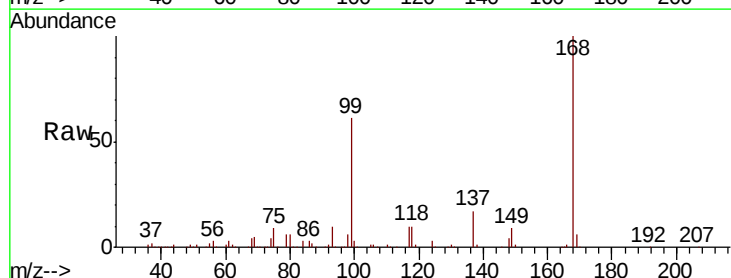
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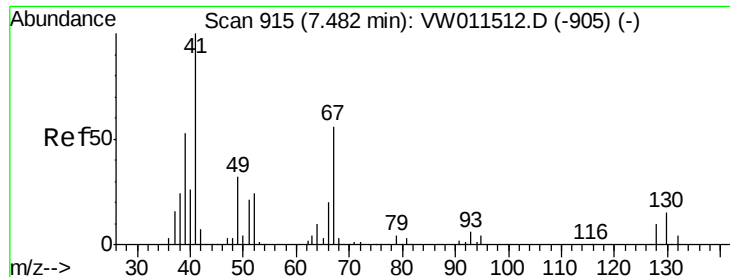
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.6	46.8#
77	0.3	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.975 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011746.D
 Acq: 07 Aug 2019 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.8	113.6#
121	0.0	24.7	37.1#

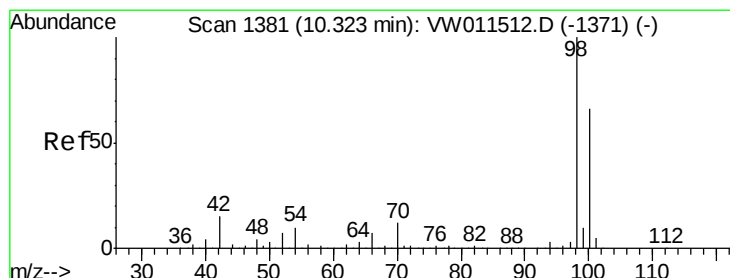
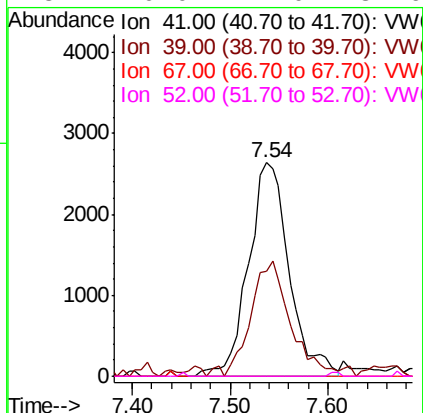
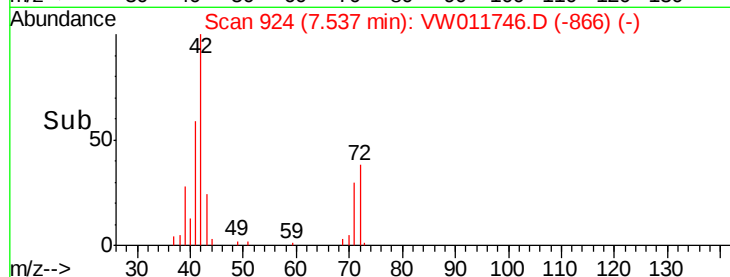
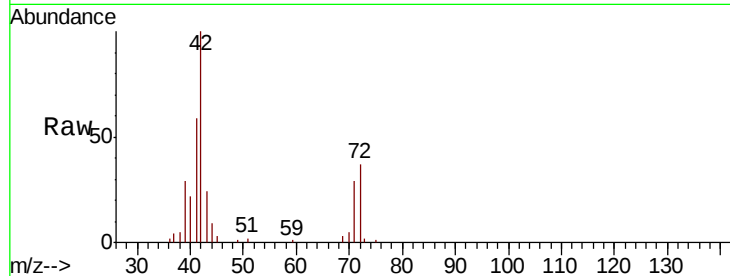




#41
Methacrylonitrile
Concen: 6.069 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW011746.D
Acq: 07 Aug 2019 13:05

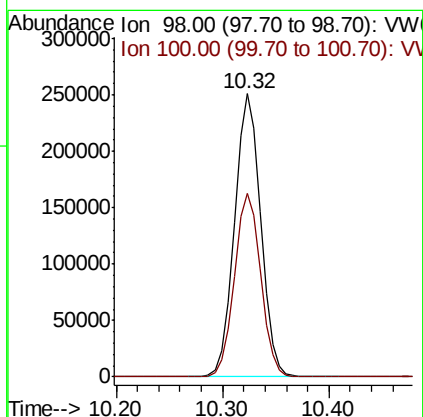
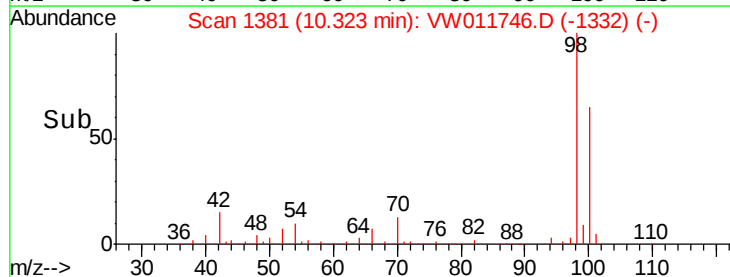
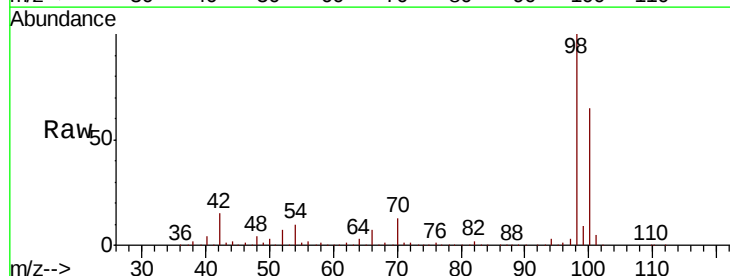
Instrument :
MSVOA_W
ClientSampleId :
CP-MW2-N-12-16-SOIL

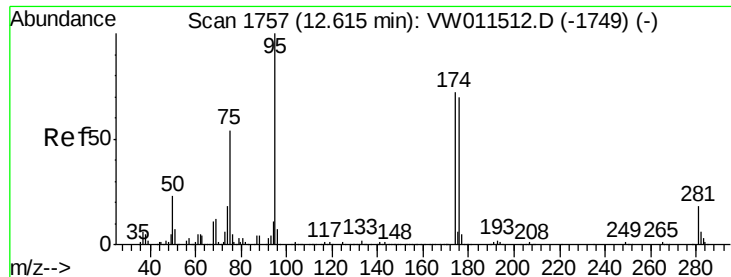
Tgt Ion: 41 Resp: 7651
Ion Ratio Lower Upper
41 100
39 53.0 43.0 64.4
67 0.0 47.5 71.3#
52 0.0 21.0 31.6#



#50
Toluene-d8
Concen: 53.519 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011746.D
Acq: 07 Aug 2019 13:05

Tgt Ion: 98 Resp: 433391
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 47.783 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011746.D

Acq: 07 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

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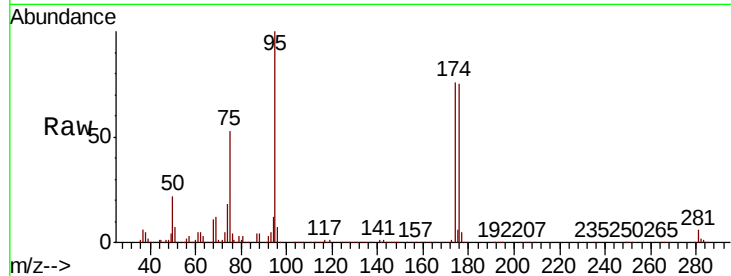
Tgt Ion: 95 Resp: 137952

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

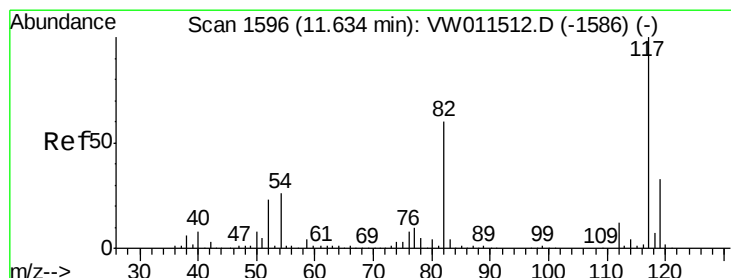
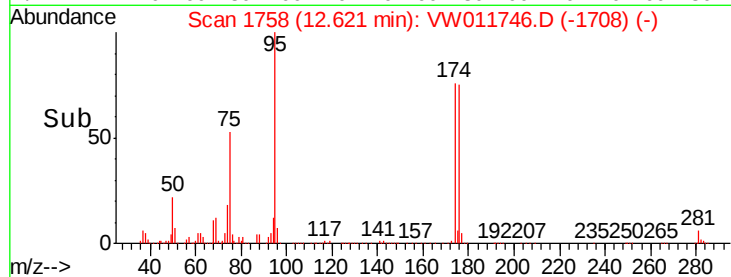
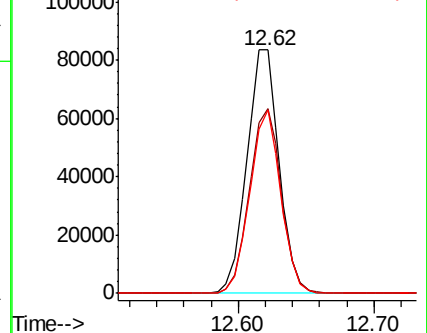
176 72.7 0.0 144.4



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# 1596

Delta R.T. 0.00 min

Lab File: VW011746.D

Acq: 07 Aug 2019 13:05

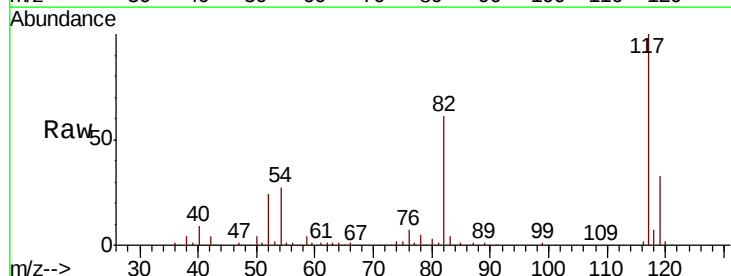
Tgt Ion: 117 Resp: 292734

Ion Ratio Lower Upper

117 100

82 61.1 47.9 71.9

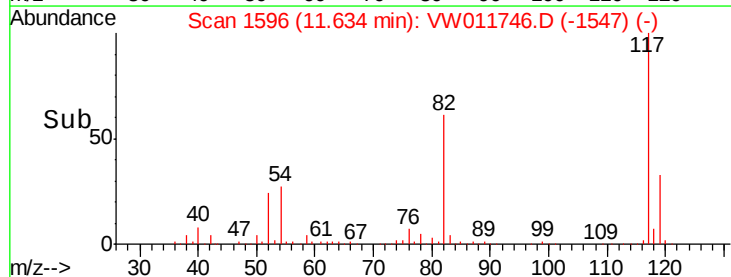
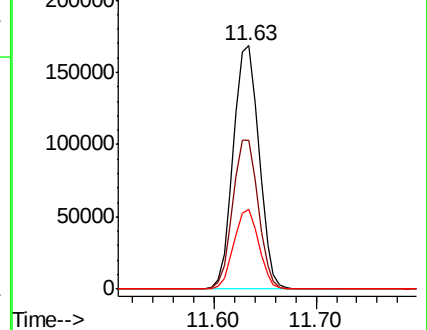
119 32.6 26.2 39.2

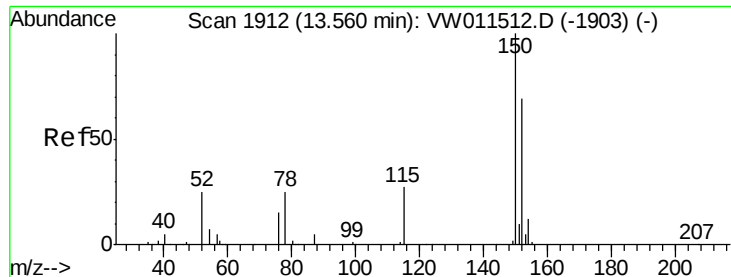


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011746.D

Acq: 07 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

CP-MW2-N-12-16-SOIL

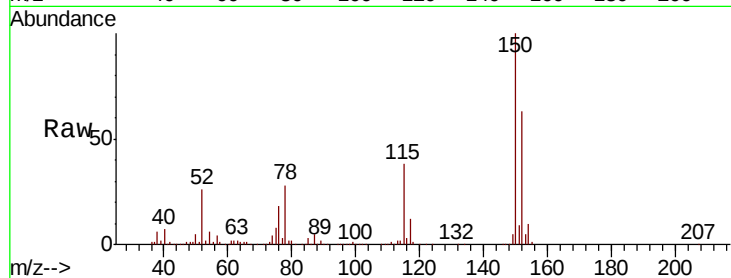
Tgt Ion: 152 Resp: 120367

Ion Ratio Lower Upper

152 100

115 60.2 30.5 91.5

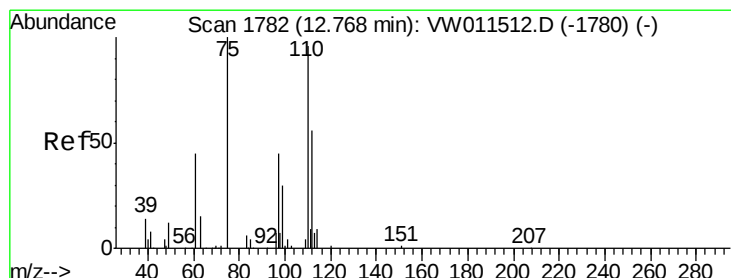
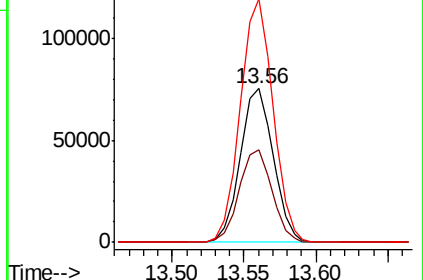
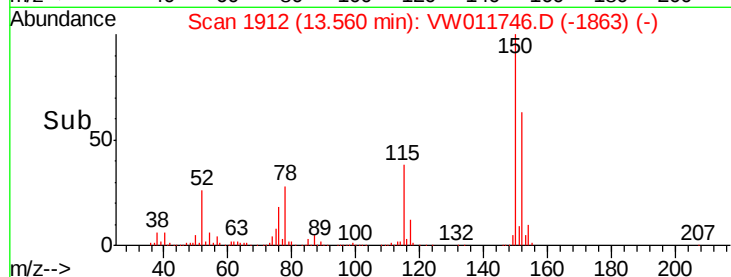
150 156.4 0.0 352.6



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: 57.188 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011746.D

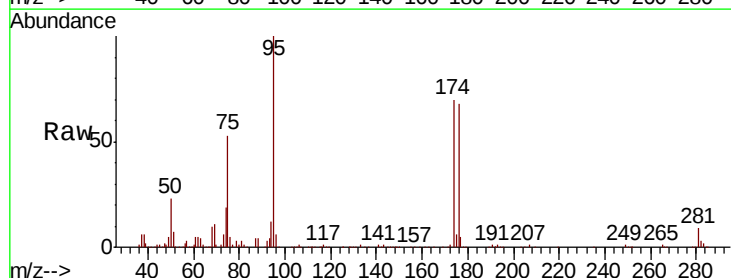
Acq: 07 Aug 2019 13:05

Tgt Ion: 75 Resp: 72836

Ion Ratio Lower Upper

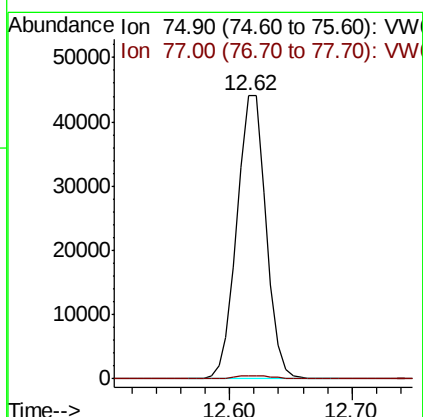
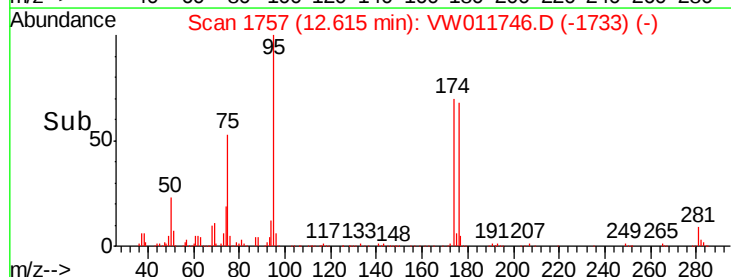
75 100

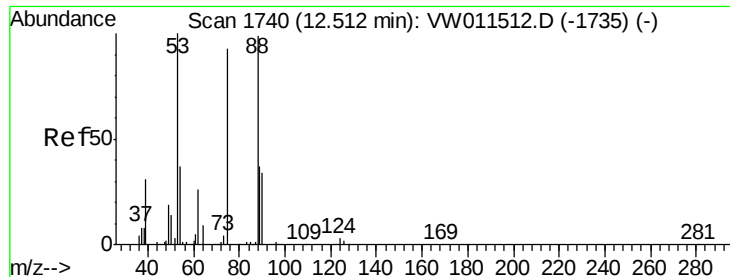
77 1.6 0.0 0.0#



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: 131.799 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011746.D

Acq: 07 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

CP-MW2-N-12-16-SOIL

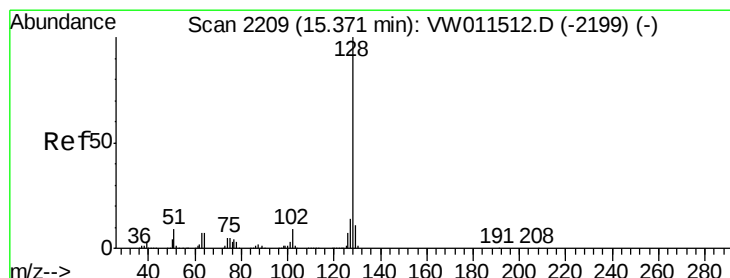
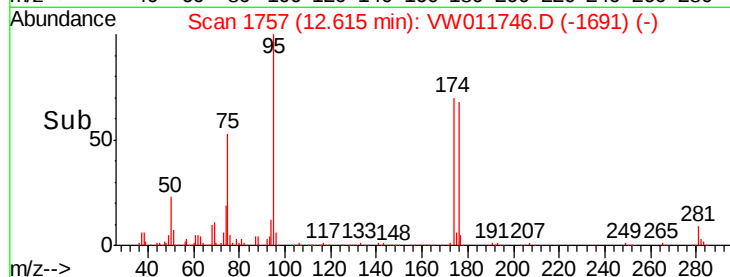
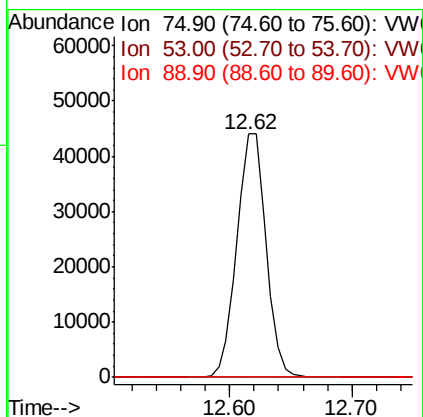
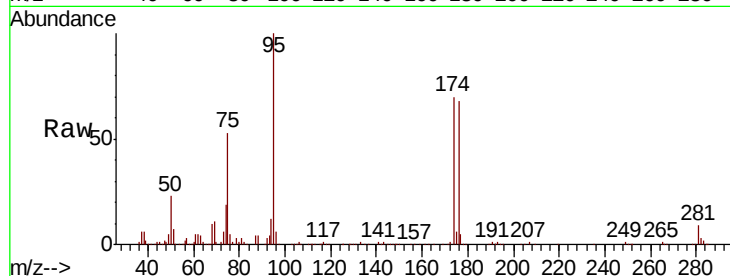
Tgt Ion: 75 Resp: 72836

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.188 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011746.D

Acq: 07 Aug 2019 13:05

Tgt Ion: 128 Resp: 606

Ion Ratio Lower Upper

128 100

127 7.8 10.6 16.0#

129 7.3 8.6 13.0#

