

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011853.D
 Acq On : 12 Aug 2019 15:41
 Operator : SY/VA
 Sample : K4229-09
 Misc : 5.59G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:46:36 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	205727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	285053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137303	58.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.24%	
35) Dibromofluoromethane	7.88	113	107224	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
50) Toluene-d8	10.32	98	426711	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
62) 4-Bromofluorobenzene	12.62	95	129928	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	

Target Compounds

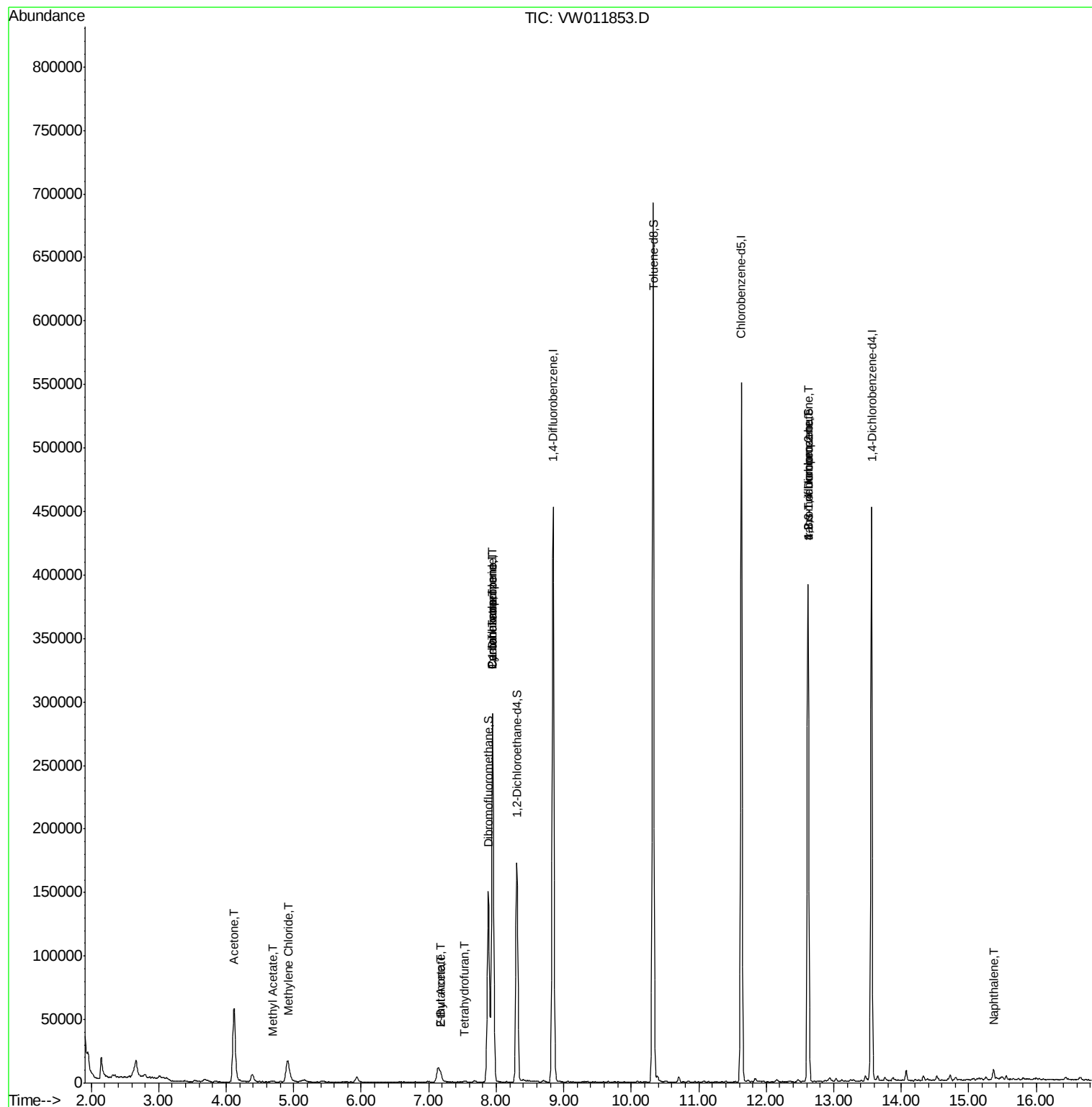
					Qvalue
11) Tert butyl alcohol	5.15	59	2976	Below Cal	# 87
16) Acetone	4.11	43	105394	140.255	ug/l 98
18) Methyl Acetate	4.68	43	2336	1.384	ug/l # 77
20) Methylene Chloride	4.91	84	13078	5.046	ug/l # 94
25) 2-Butanone	7.18	43	10852	11.036	ug/l # 91
29) Tetrahydrofuran	7.53	42	702	1.249	ug/l # 44
31) Cyclohexane	7.94	56	5559	1.259	ug/l # 3
36) 1,1-Dichloropropene	7.95	75	18399	5.129	ug/l # 51
37) Ethyl Acetate	7.18	43	10852	5.258	ug/l # 74
38) Carbon Tetrachloride	7.95	117	20969	6.828	ug/l # 17
76) 1,2,3-Trichloropropane	12.62	75	70426	60.410	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.62	75	70426	139.224	ug/l # 6
95) Naphthalene	15.36	128	6496	3.498	ug/l 96

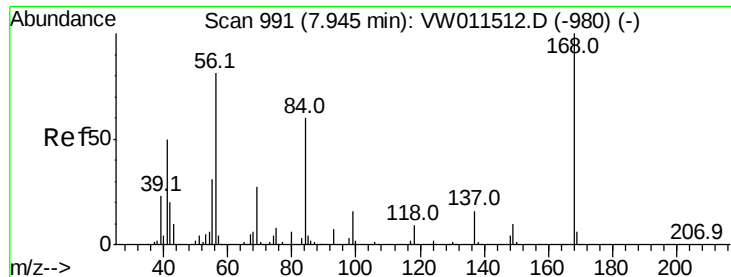
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081219\
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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: VW011853.D

Acq: 12 Aug 2019 15:41

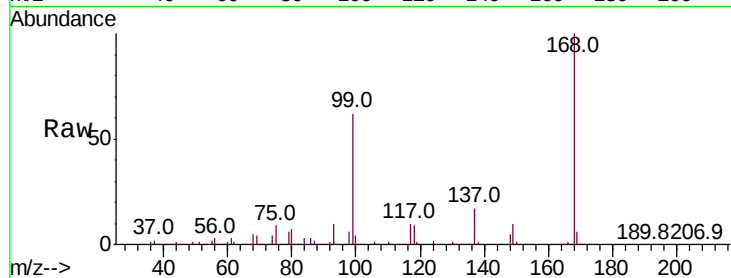
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 205727

Ion Ratio Lower Upper

168 100

99 62.5 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

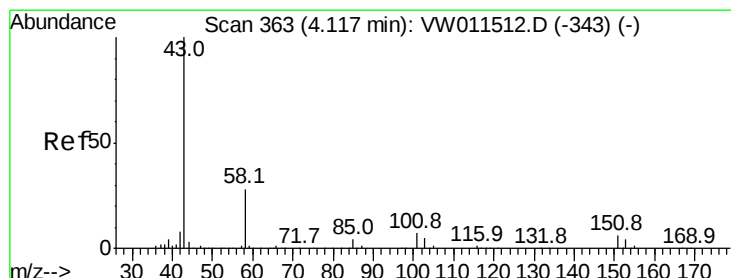
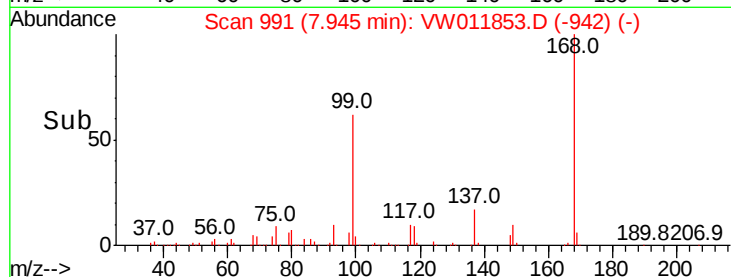
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 140.255 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW011853.D

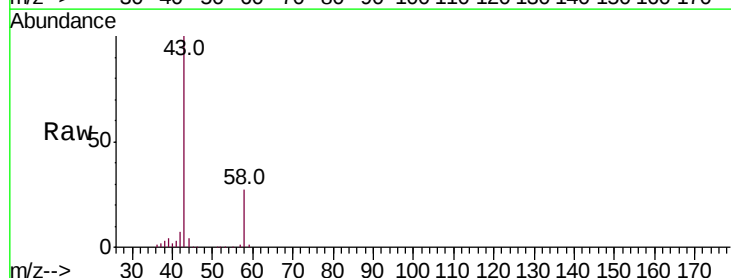
Acq: 12 Aug 2019 15:41

Tgt Ion: 43 Resp: 105394

Ion Ratio Lower Upper

43 100

58 26.8 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.11

40000

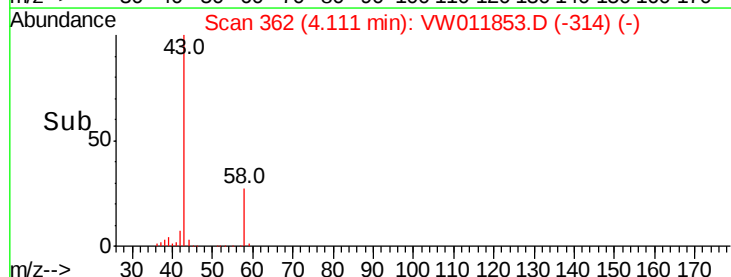
30000

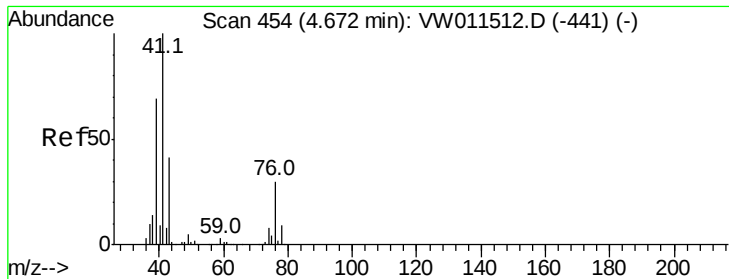
20000

10000

0

Time--> 4.00 4.10 4.20 4.30

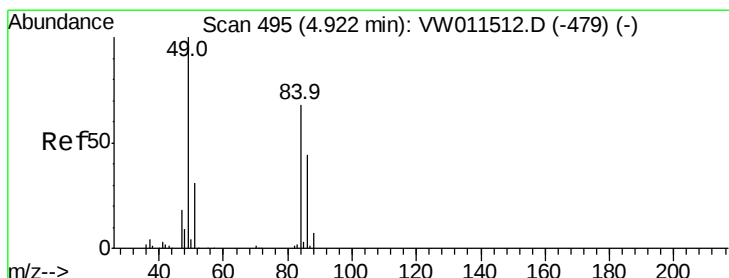
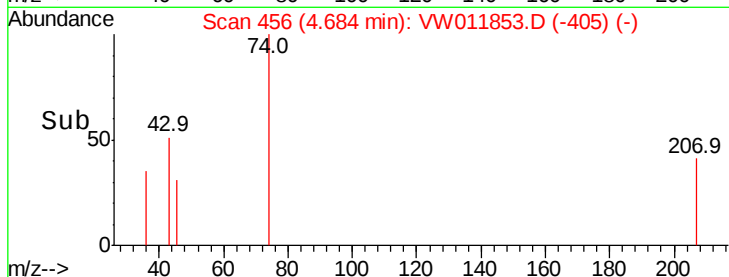
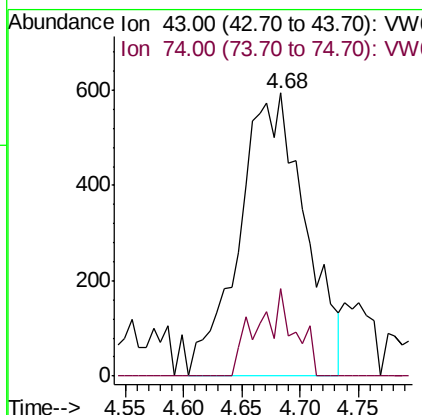
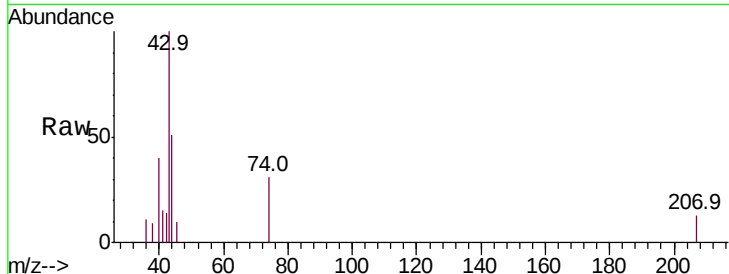




#18
Methyl Acetate
Concen: 1.384 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW011853.D
Acq: 12 Aug 2019 15:41

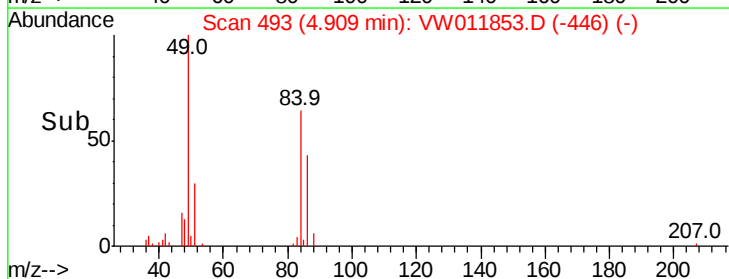
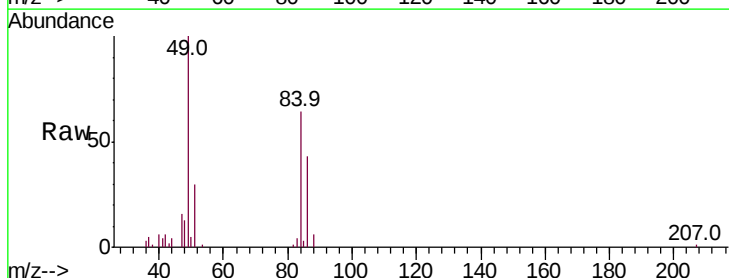
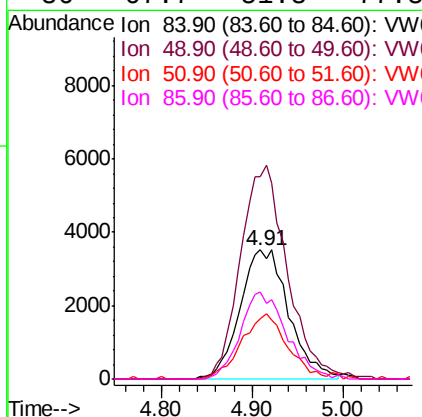
Instrument :
MSVOA_W
ClientSampleId :

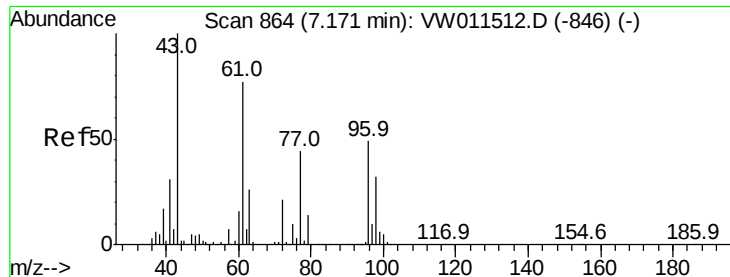
Tot Ion: 43 Resp: 2336
Ion Ratio Lower Upper
43 100
74 9.2 15.9 23.9#



#20
Methylene Chloride
Concen: 5.046 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011853.D
Acq: 12 Aug 2019 15:41

Tgt Ion: 84 Resp: 13078
Ion Ratio Lower Upper
84 100
49 157.3 117.8 176.6
51 46.8 37.0 55.4
86 67.7 51.8 77.8





#25

2-Butanone

Concen: 11.036 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011853.D

Acq: 12 Aug 2019 15:41

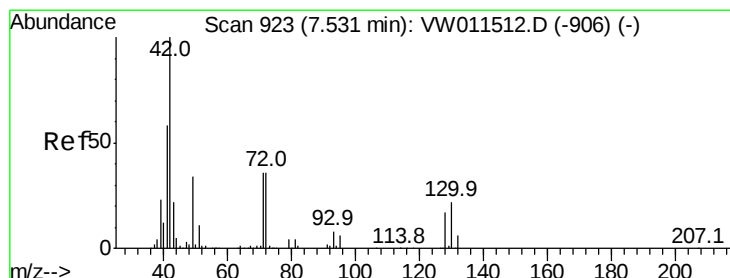
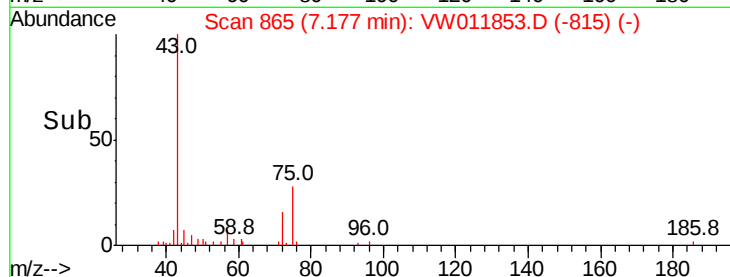
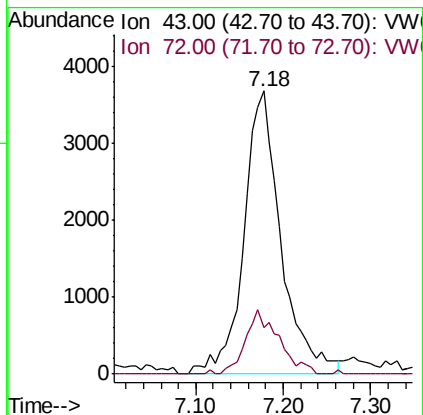
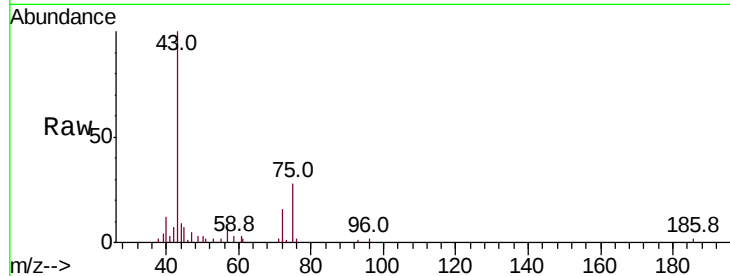
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 10852

Ion Ratio Lower Upper

43 100

72 16.3 16.6 24.8#



#29

Tetrahydrofuran

Concen: 1.249 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW011853.D

Acq: 12 Aug 2019 15:41

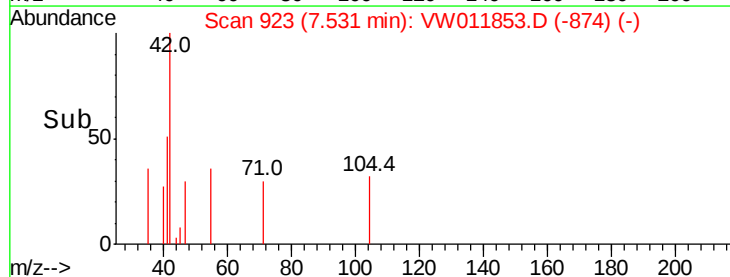
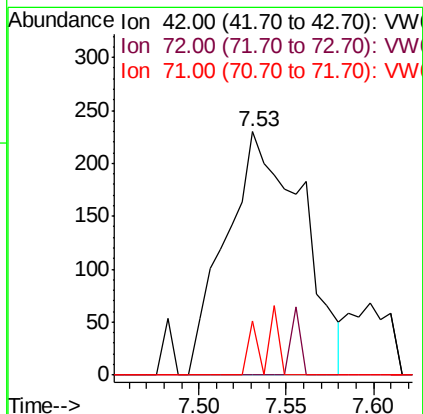
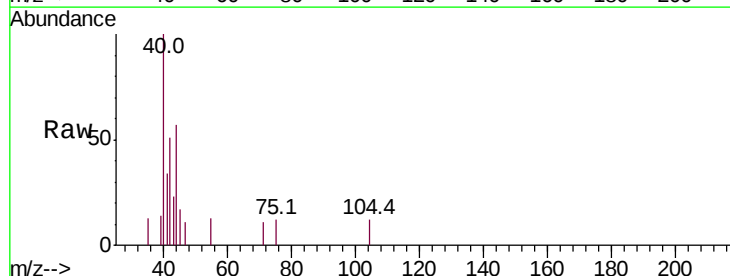
Tgt Ion: 42 Resp: 702

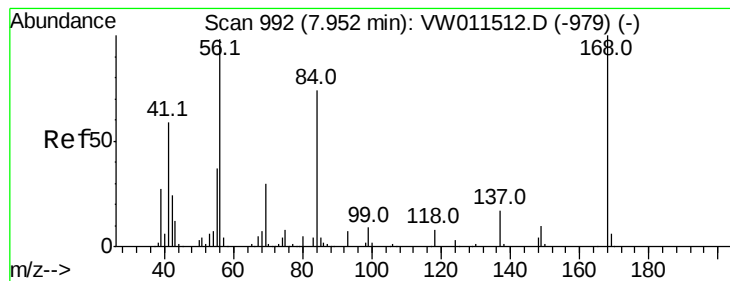
Ion Ratio Lower Upper

42 100

72 0.0 27.1 40.7#

71 2.7 26.2 39.4#





#31

Cyclohexane

Concen: 1.259 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011853.D

Acq: 12 Aug 2019 15:41

Instrument :

MSVOA_W

ClientSampled :

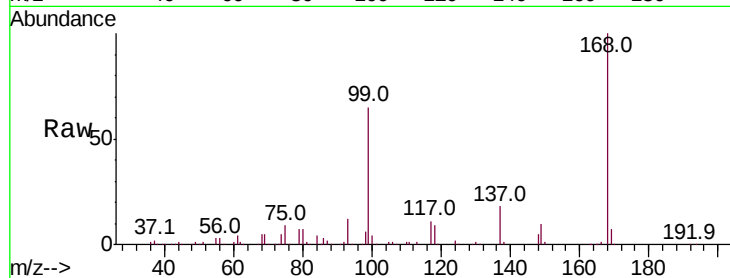
Tot Ion: 56 Resp: 5559

Ion Ratio Lower Upper

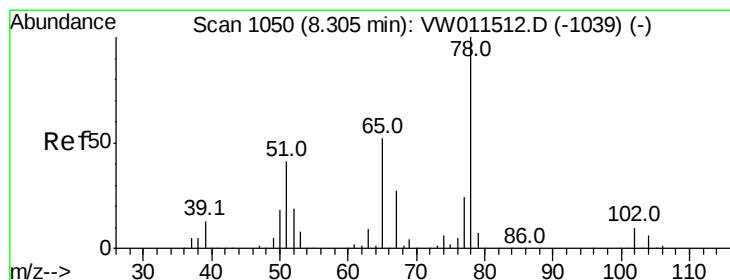
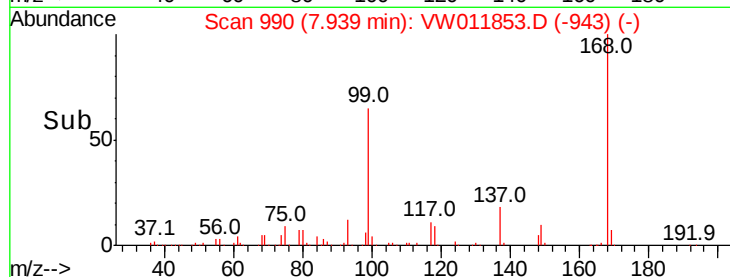
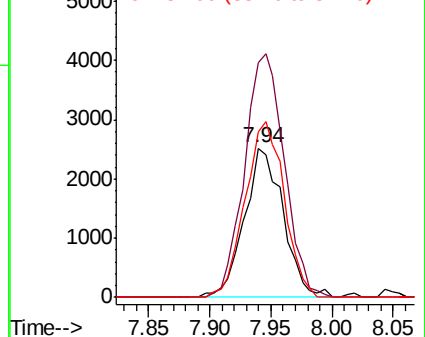
56 100

69 157.5 24.3 36.5#

84 111.2 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: 58.122 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011853.D

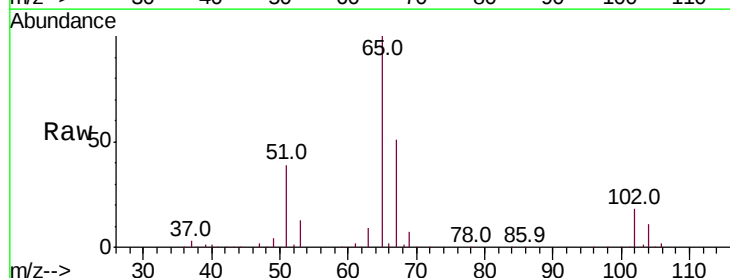
Acq: 12 Aug 2019 15:41

Tgt Ion: 65 Resp: 137303

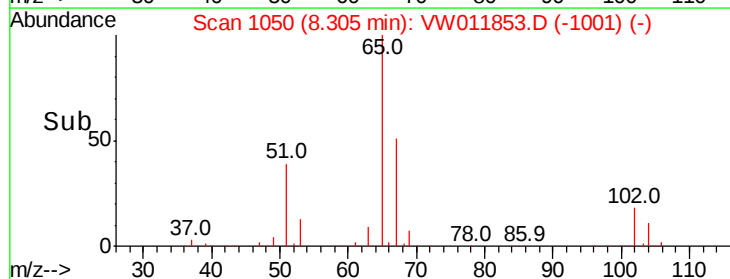
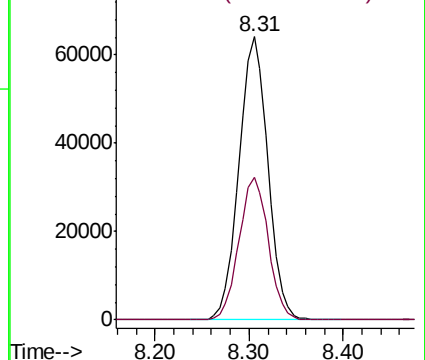
Ion Ratio Lower Upper

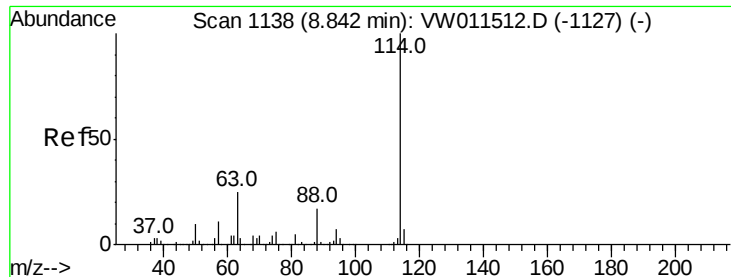
65 100

67 51.2 0.0 105.2



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

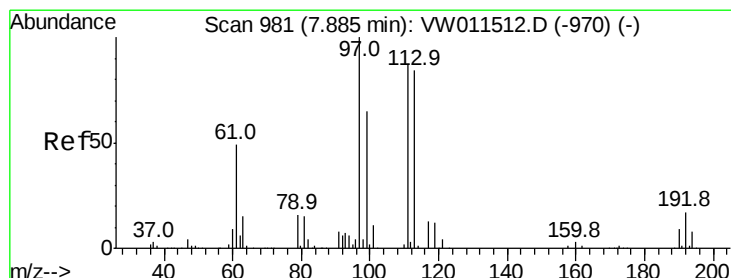
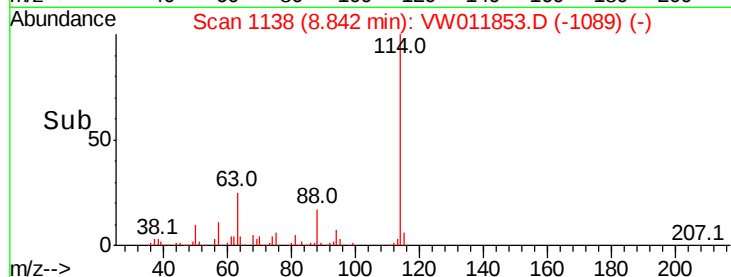
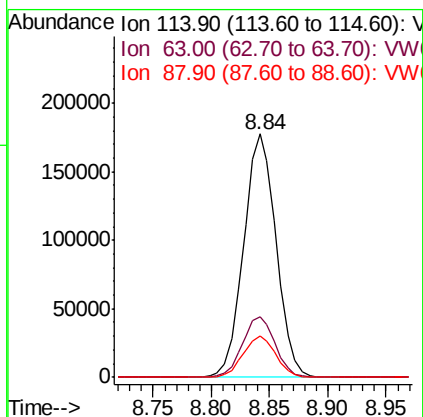
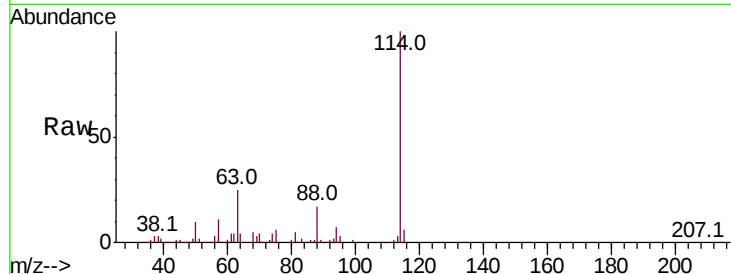




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011853.D
 Acq: 12 Aug 2019 15:41

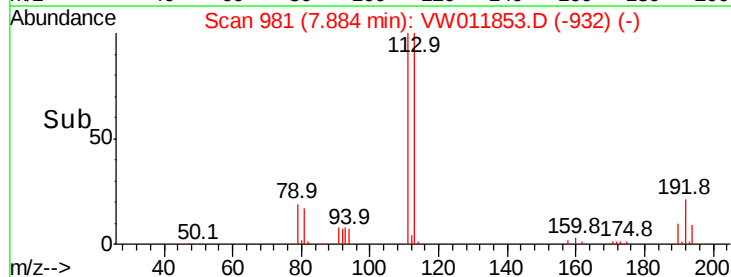
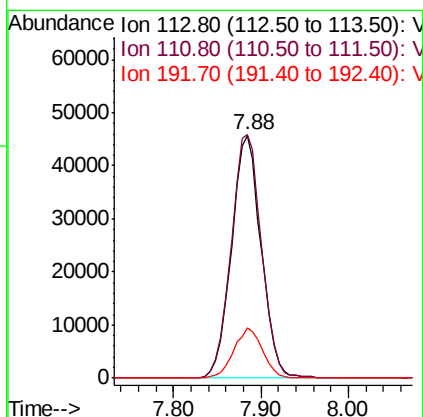
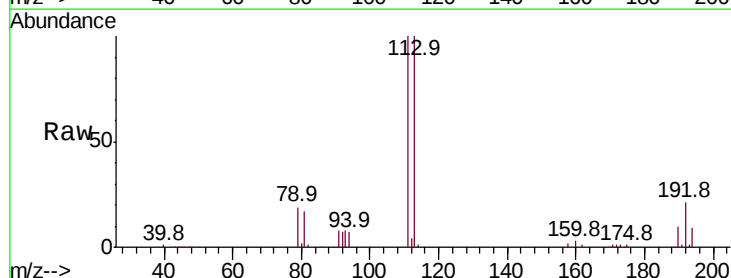
Instrument :
 MSVOA_W
 ClientSampleId :

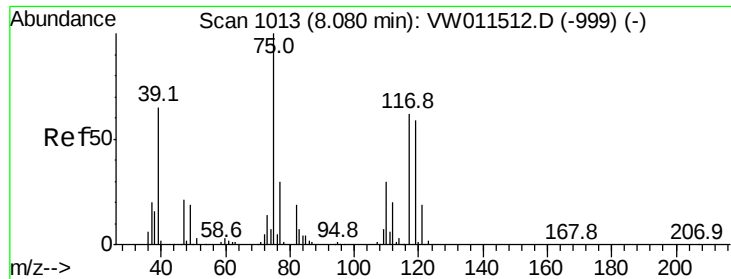
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.1	0.0	49.2
88	16.8	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 55.399 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011853.D
 Acq: 12 Aug 2019 15:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.7	124.1
192	20.1	16.1	24.1

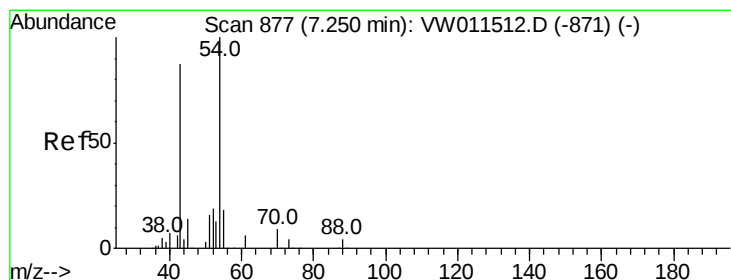
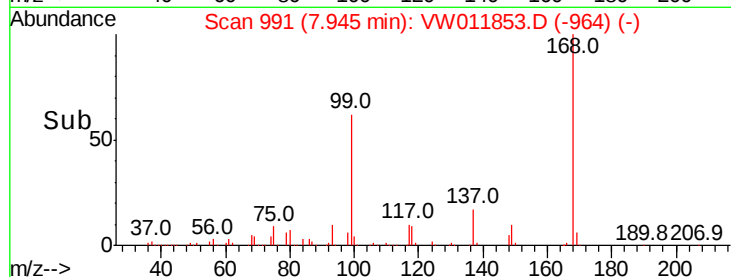
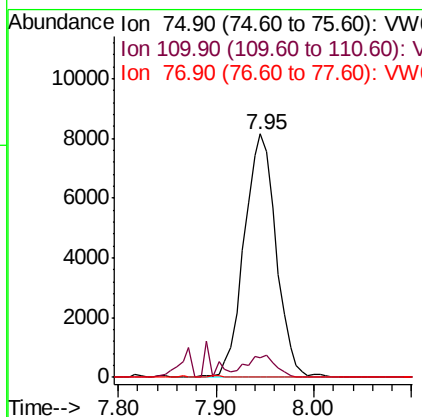
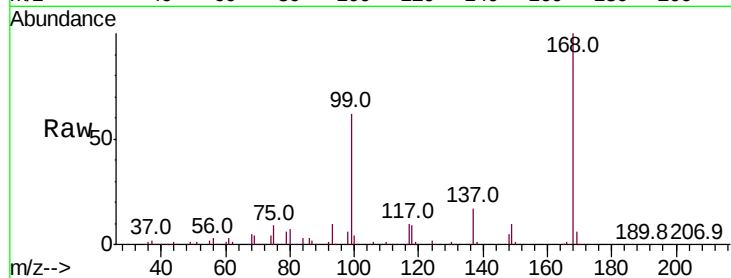




#36
 1,1-Dichloropropene
 Concen: 5.129 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011853.D
 Acq: 12 Aug 2019 15:41

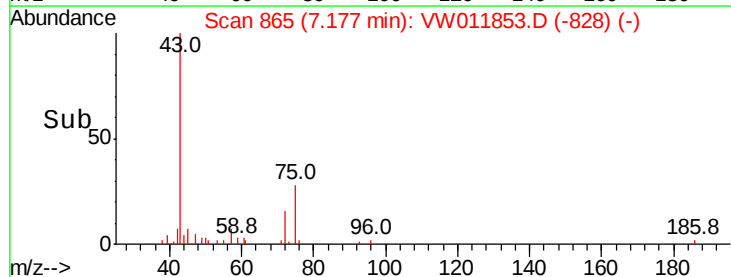
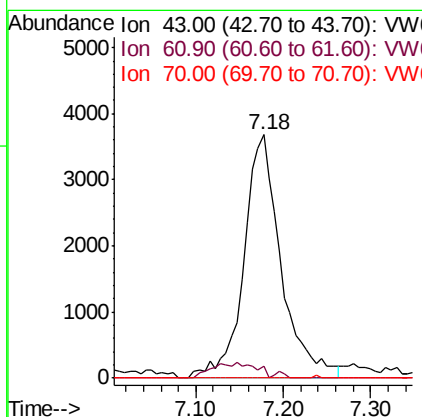
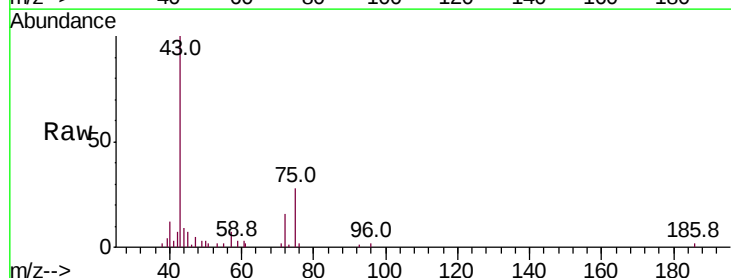
Instrument :
 MSVOA_W
 ClientSampled :

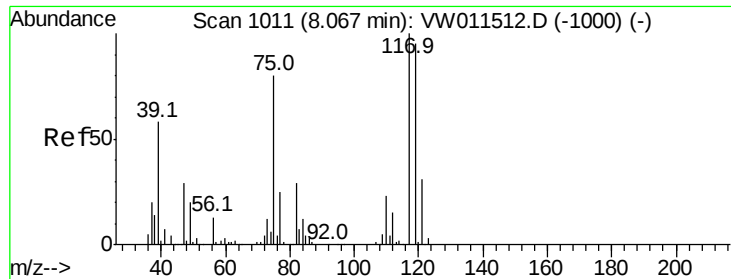
Tot Ion: 75 Resp: 18399
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.6 46.8#
 77 0.0 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 5.258 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW011853.D
 Acq: 12 Aug 2019 15:41

Tgt Ion: 43 Resp: 10852
 Ion Ratio Lower Upper
 43 100
 61 0.5 8.8 13.2#
 70 0.0 7.1 10.7#

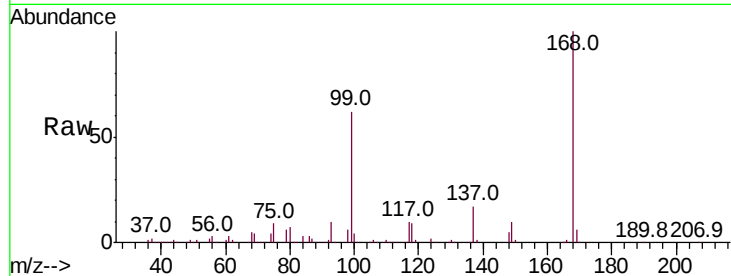




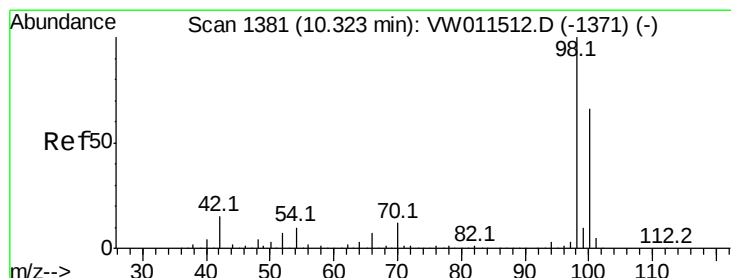
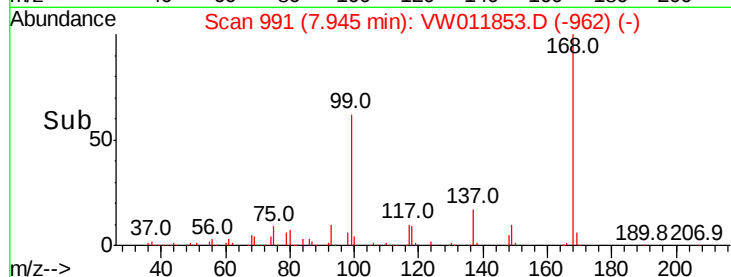
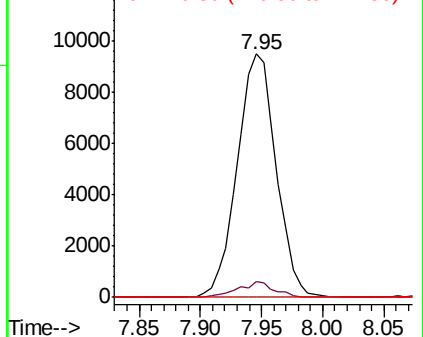
#38
Carbon Tetrachloride
Concen: 6.828 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011853.D
Acq: 12 Aug 2019 15:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 20969
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.6#
121 0.0 24.7 37.1#

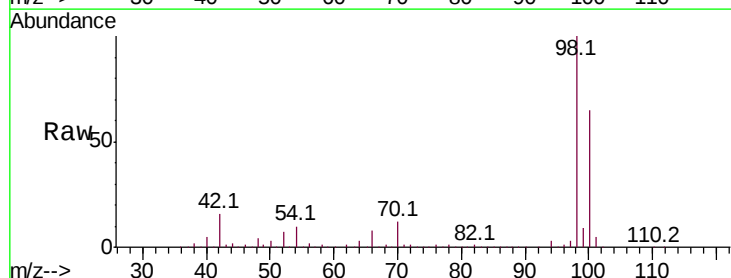


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

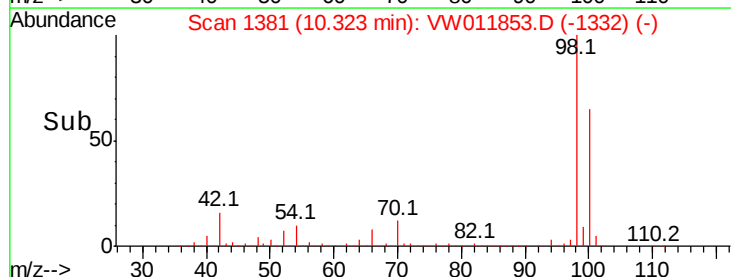
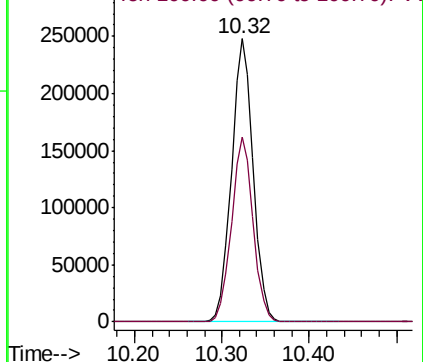


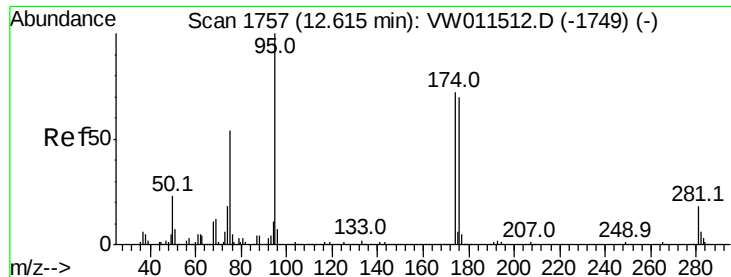
#50
Toluene-d8
Concen: 53.847 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011853.D
Acq: 12 Aug 2019 15:41

Tgt Ion: 98 Resp: 426711
Ion Ratio Lower Upper
98 100
100 65.0 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: 45.988 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011853.D

Acq: 12 Aug 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

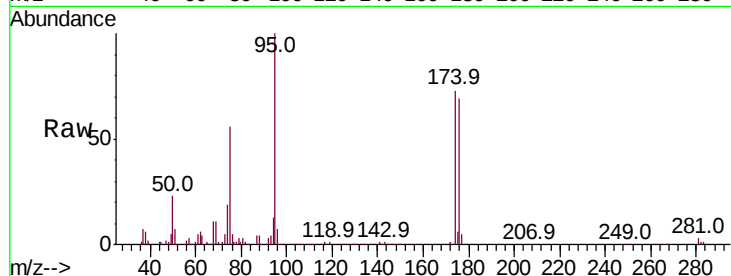
Tot Ion: 95 Resp: 129928

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.2

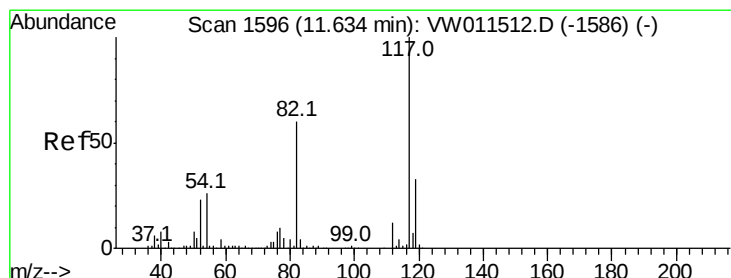
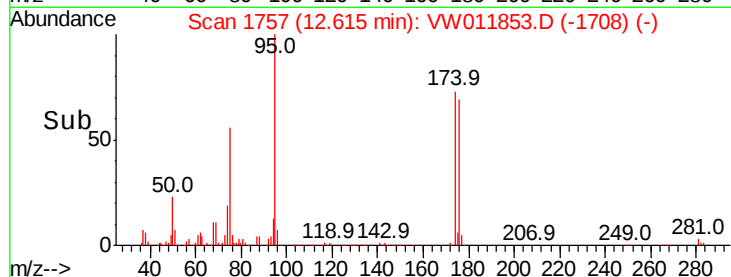
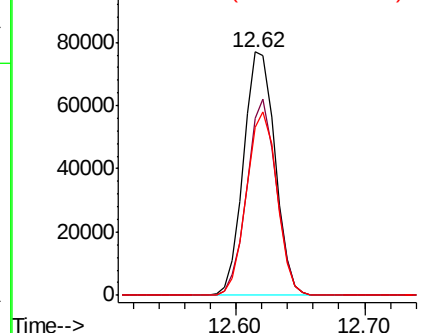
176 72.8 0.0 144.4



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: VW011853.D

Acq: 12 Aug 2019 15:41

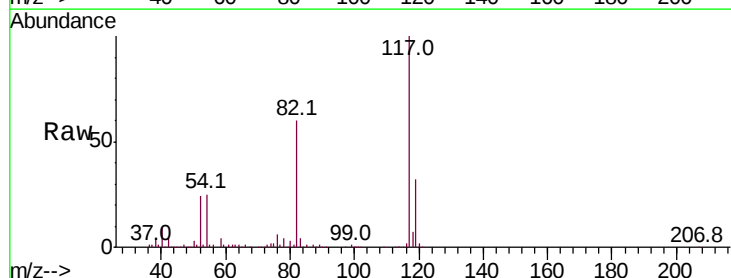
Tgt Ion: 117 Resp: 285053

Ion Ratio Lower Upper

117 100

82 59.9 47.9 71.9

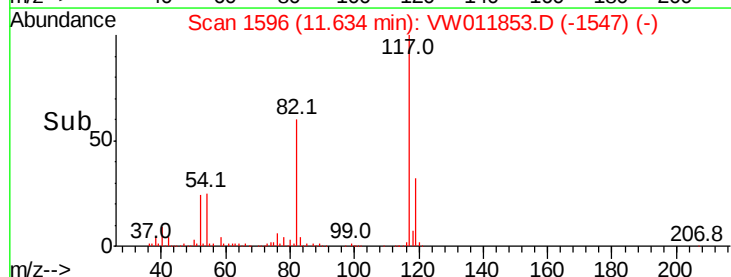
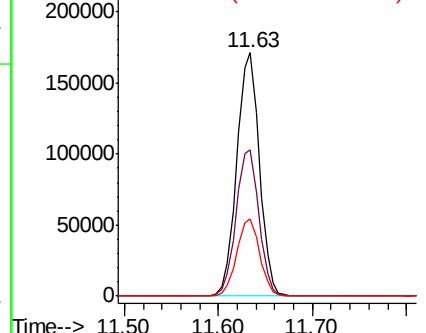
119 31.9 26.2 39.2

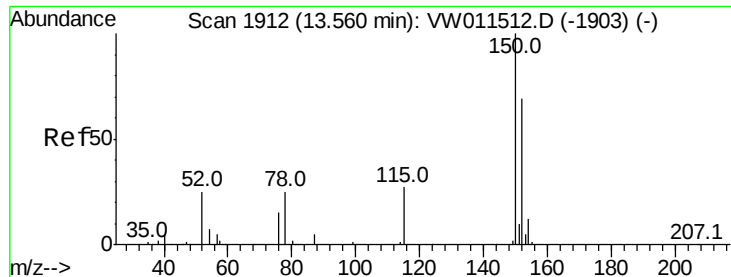


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011853.D

Acq: 12 Aug 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

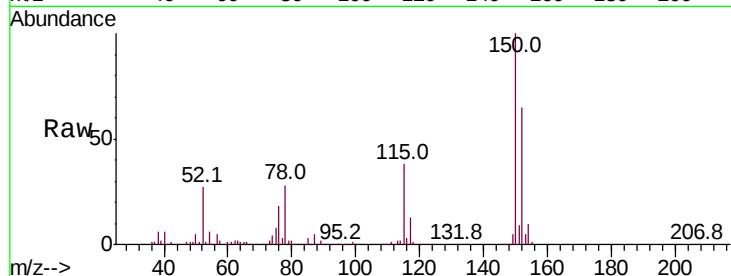
Tot Ion:152 Resp: 110177

Ion Ratio Lower Upper

152 100

115 60.2 30.5 91.5

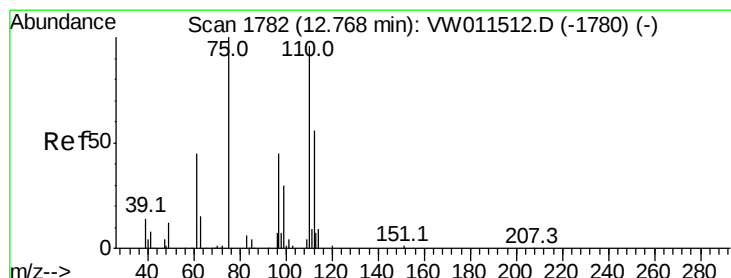
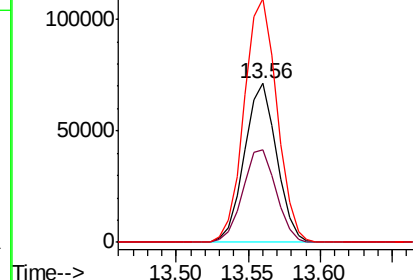
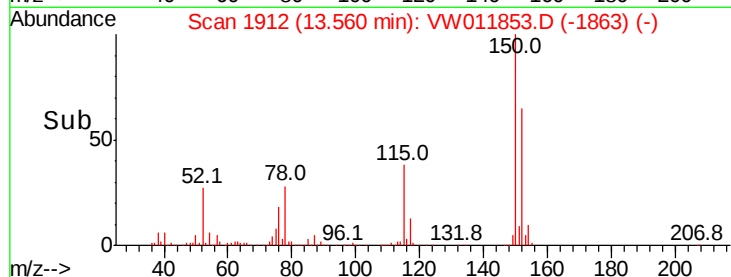
150 156.7 0.0 352.6



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: 60.410 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011853.D

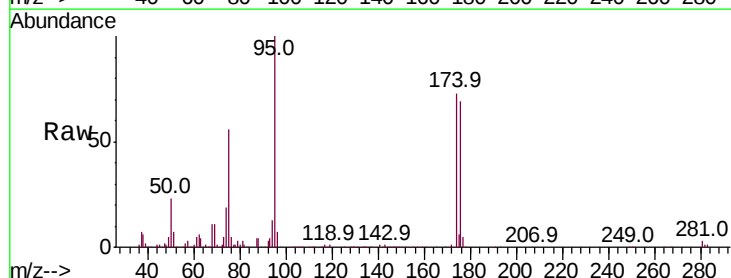
Acq: 12 Aug 2019 15:41

Tgt Ion: 75 Resp: 70426

Ion Ratio Lower Upper

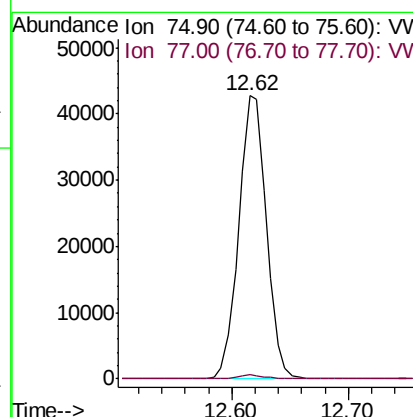
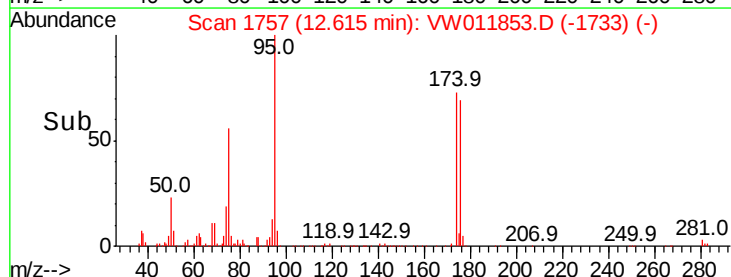
75 100

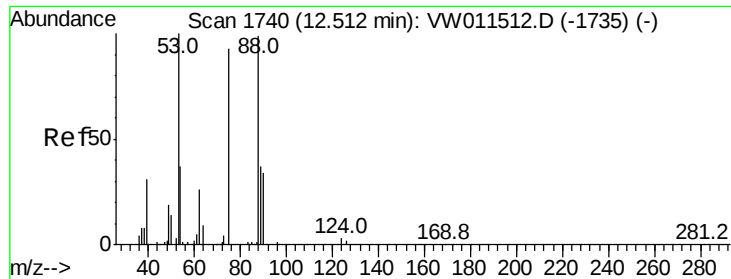
77 1.3 0.0 0.0#



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: 139.224 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011853.D

Acq: 12 Aug 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

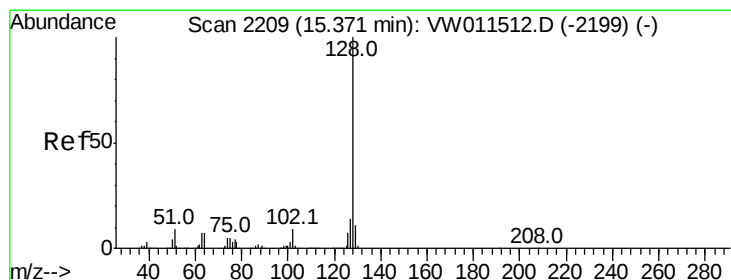
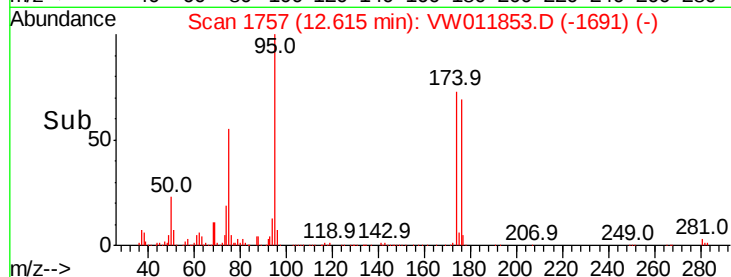
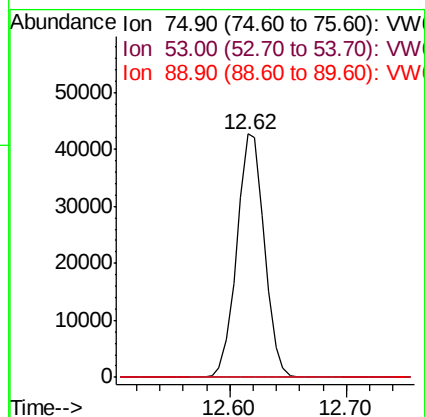
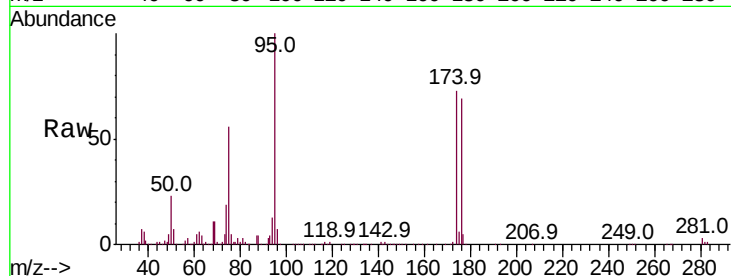
Tot Ion: 75 Resp: 70426

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.1 35.3 52.9#



#95

Naphthalene

Concen: 3.498 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011853.D

Acq: 12 Aug 2019 15:41

Tgt Ion: 128 Resp: 6496

Ion Ratio Lower Upper

128 100

127 15.8 10.6 16.0

129 11.1 8.6 13.0

