

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012069.D
 Acq On : 21 Aug 2019 14:01
 Operator : SY/VA
 Sample : K4388-06RE
 Misc : 5.96G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-B4-(2)

Quant Time: Aug 22 05:15:08 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

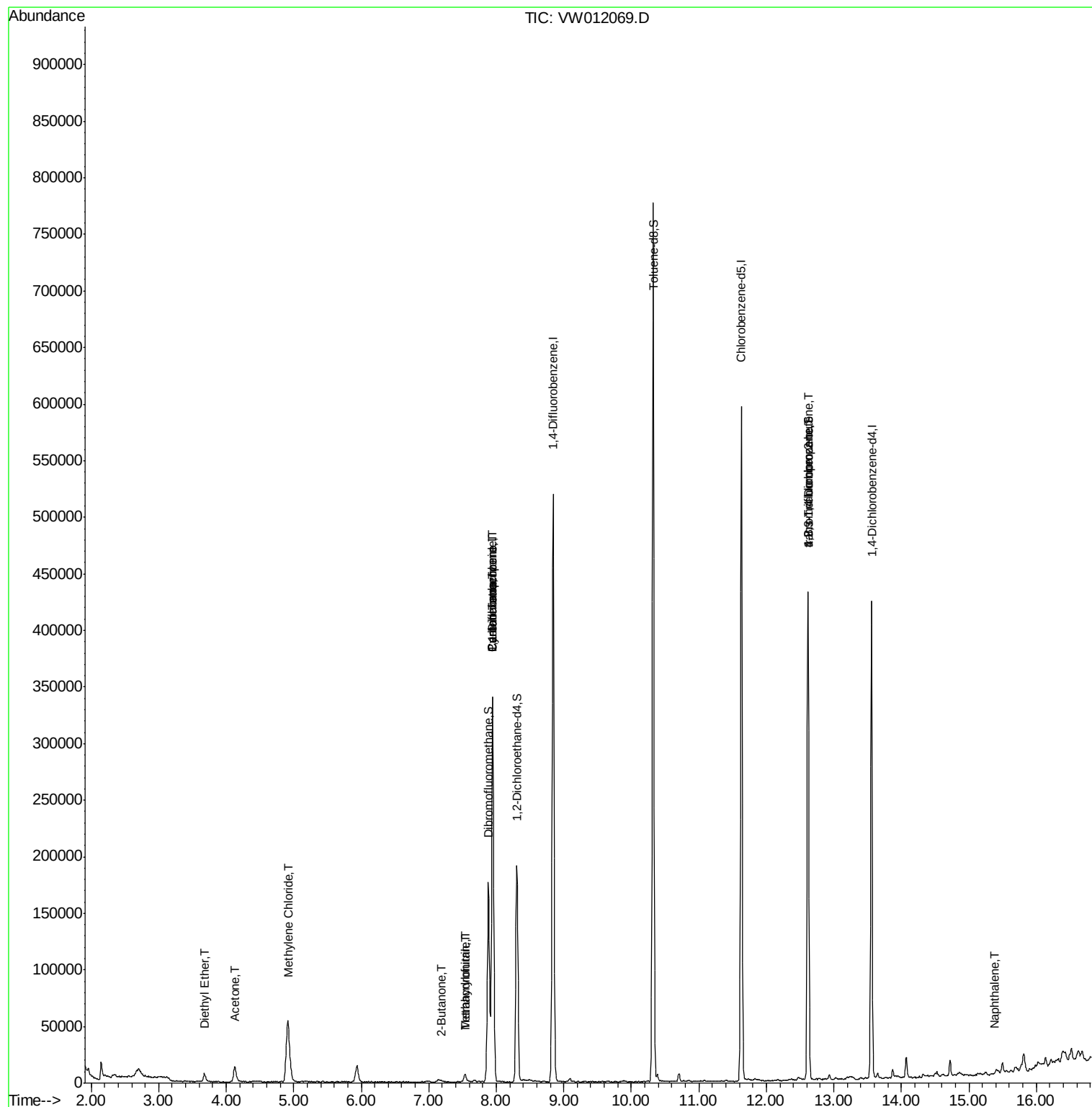
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	244210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105776	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	153361	54.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.38%	
35) Dibromofluoromethane	7.88	113	124253	53.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.90%	
50) Toluene-d8	10.32	98	489116	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.62	95	141816	42.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.38%	
Target Compounds						
8) Diethyl Ether	3.68	74	3633	2.523	ug/l	87
11) Tert butyl alcohol	5.19	59	1006	Below Cal		97
16) Acetone	4.13	43	26055	29.209	ug/l	98
20) Methylene Chloride	4.92	84	43561	14.160	ug/l	92
25) 2-Butanone	7.19	43	1516	1.299	ug/l	93
29) Tetrahydrofuran	7.53	42	6269	9.396	ug/l	95
31) Cyclohexane	7.95	56	6078	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20822	4.878	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24228	6.630	ug/l #	17
41) Methacrylonitrile	7.54	41	3706	2.525	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	74189	66.286	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74189	152.765	ug/l #	6
95) Naphthalene	15.37	128	427	2.164	ug/l #	95

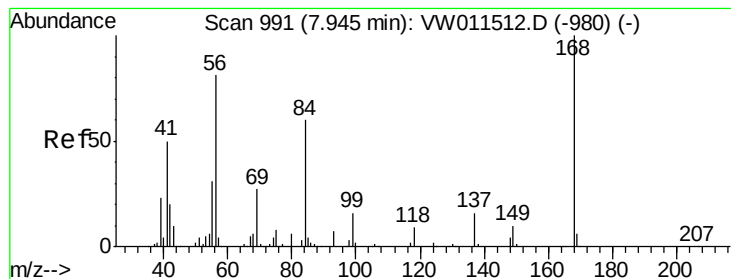
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
Data File : VW012069.D
Acq On : 21 Aug 2019 14:01
Operator : SY/VA
Sample : K4388-06RE
Misc : 5.96G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-B4-(2)

Quant Time: Aug 22 05:15:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
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: VW012069.D

Acq: 21 Aug 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

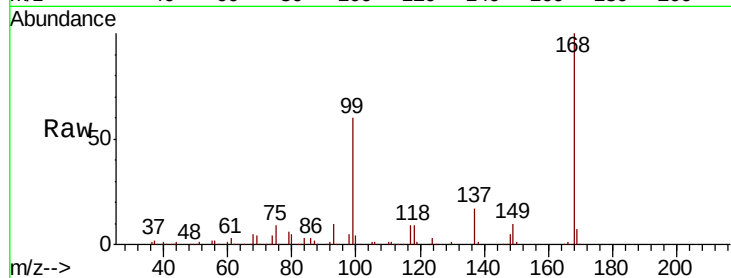
T4-B4-(2)

Tgt Ion:168 Resp: 244210

Ion Ratio Lower Upper

168 100

99 60.3 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

120000

100000

80000

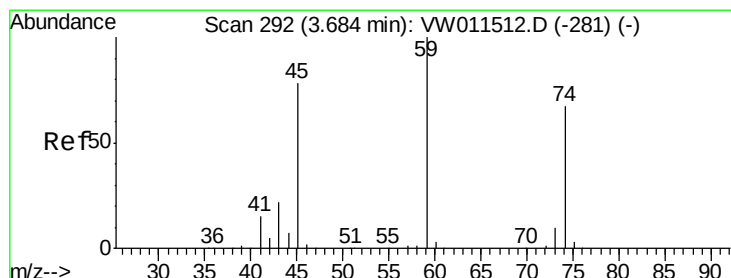
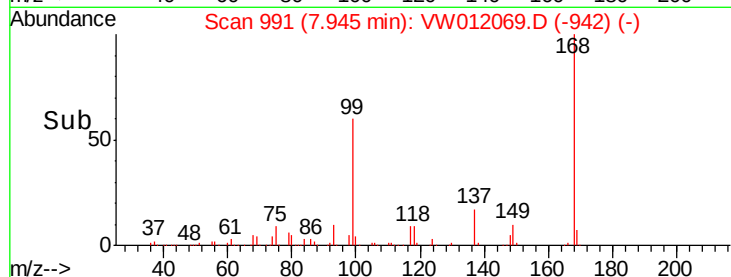
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.523 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012069.D

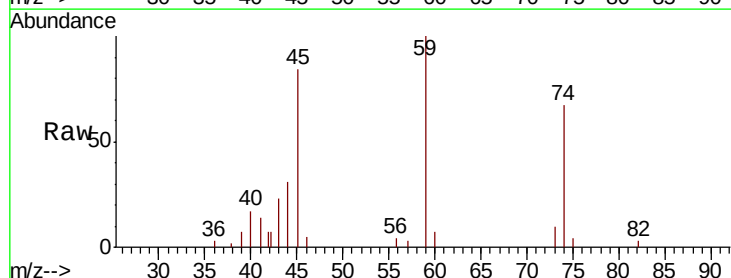
Acq: 21 Aug 2019 14:01

Tgt Ion: 74 Resp: 3633

Ion Ratio Lower Upper

74 100

45 134.0 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

2000

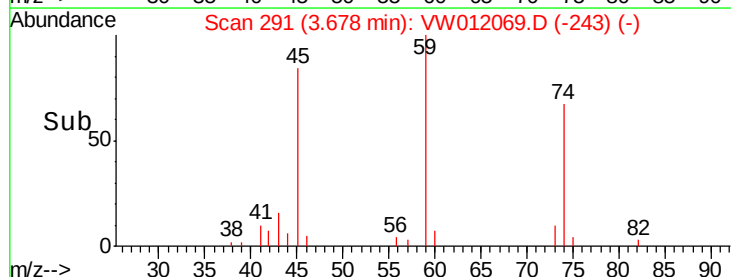
1500

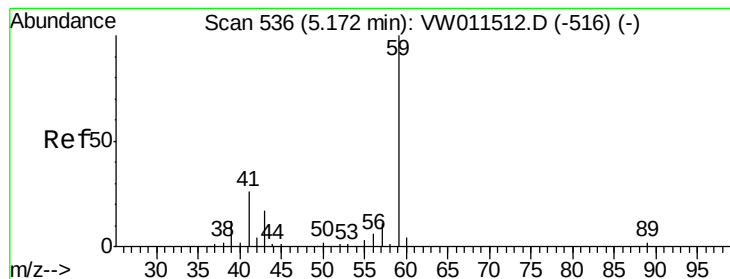
1000

500

0

Time--> 3.60 3.65 3.70 3.75



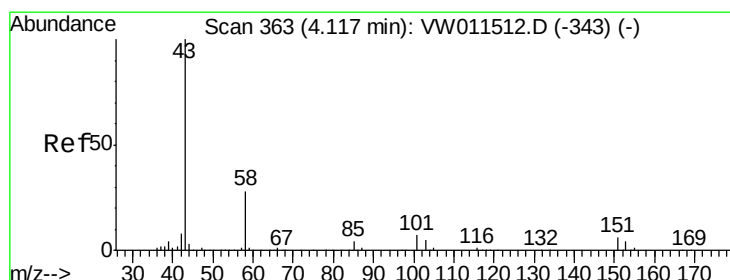
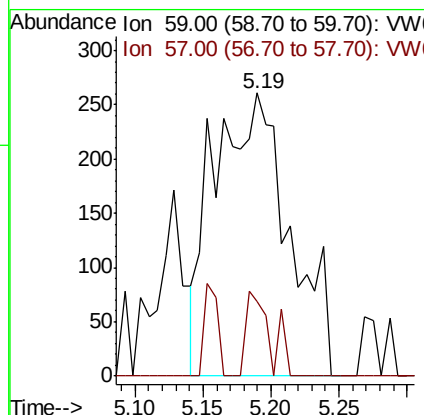
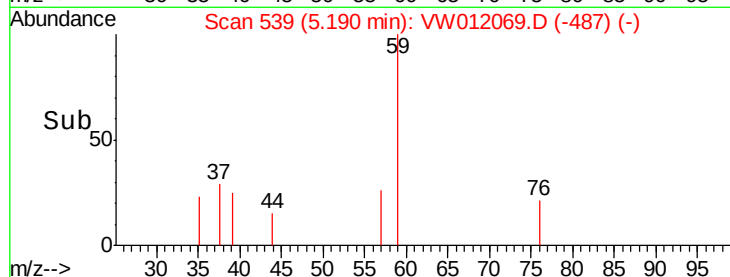
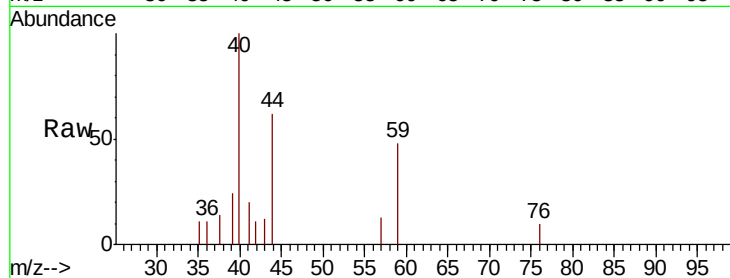


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW012069.D
Acq: 21 Aug 2019 14:01

Instrument :
MSVOA_W
ClientSampled :
T4-B4-(2)

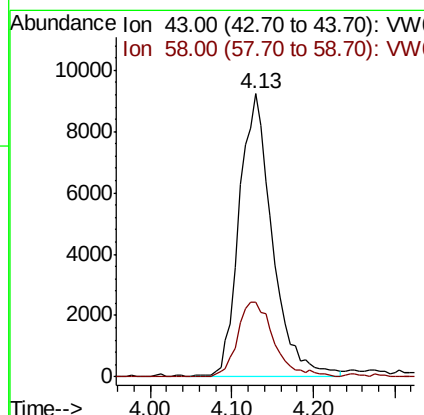
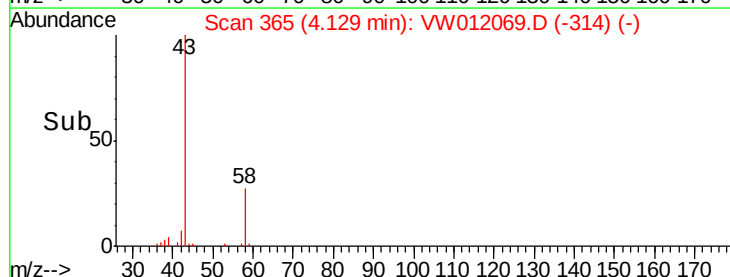
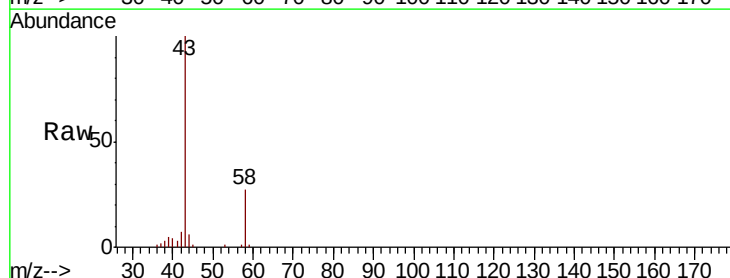
Tgt Ion: 59 Resp: 1006
Ion Ratio Lower Upper
59 100
57 9.6 8.5 12.7

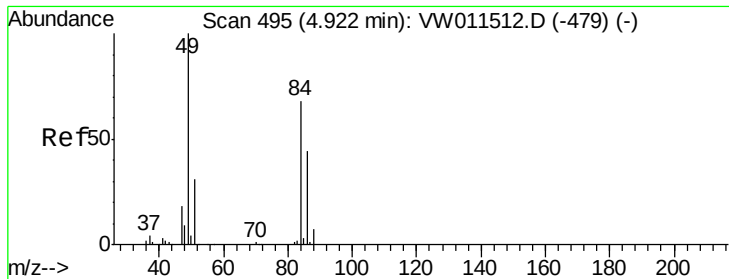


#16

Acetone
Concen: 29.209 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012069.D
Acq: 21 Aug 2019 14:01

Tgt Ion: 43 Resp: 26055
Ion Ratio Lower Upper
43 100
58 26.6 22.3 33.5

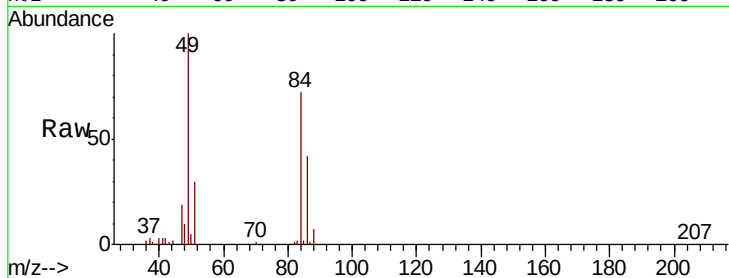




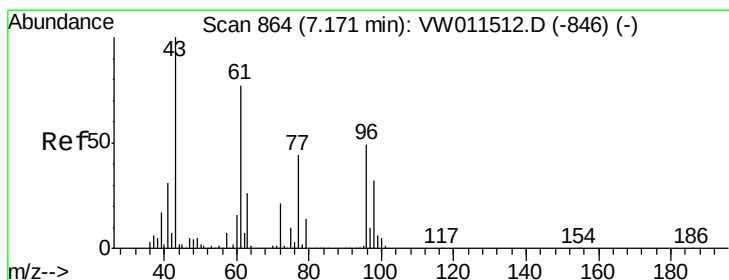
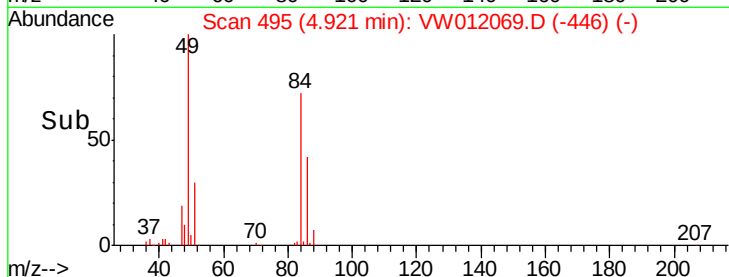
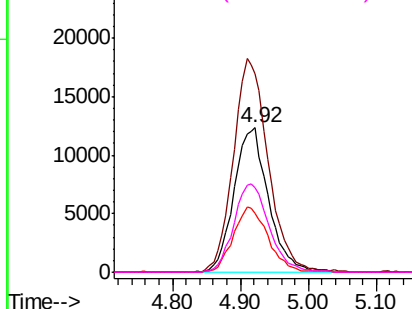
#20
Methylene Chloride
Concen: 14.160 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012069.D
Acq: 21 Aug 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
T4-B4-(2)

Tgt Ion: 84 Resp: 43561
Ion Ratio Lower Upper
84 100
49 137.9 117.8 176.6
51 41.2 37.0 55.4
86 58.2 51.8 77.8

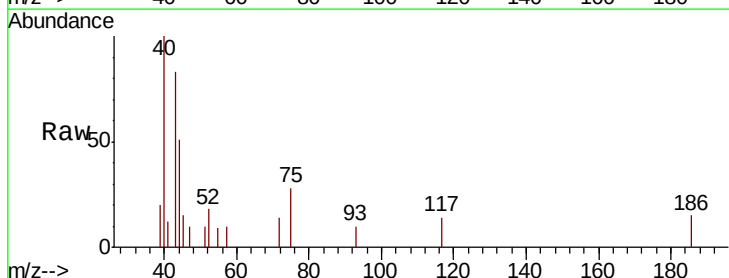


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

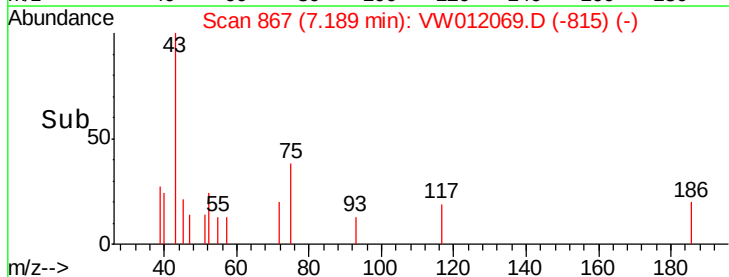
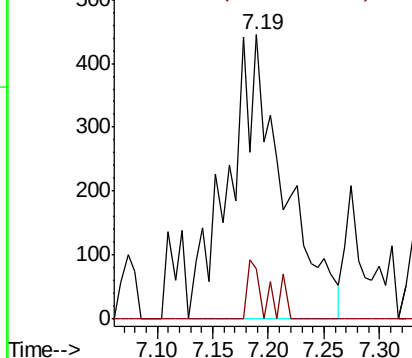


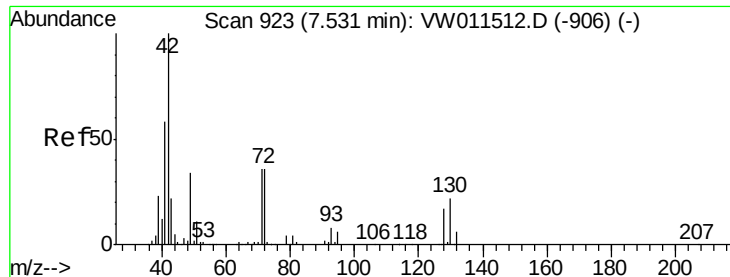
#25
2-Butanone
Concen: 1.299 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012069.D
Acq: 21 Aug 2019 14:01

Tgt Ion: 43 Resp: 1516
Ion Ratio Lower Upper
43 100
72 17.3 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

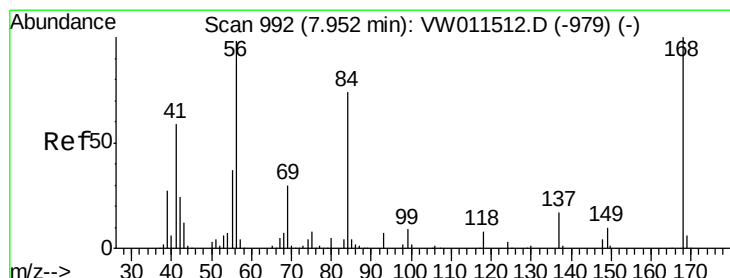
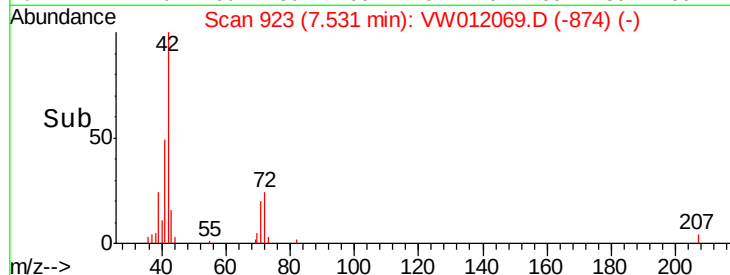
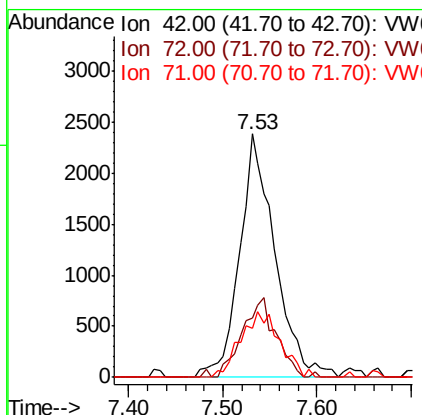
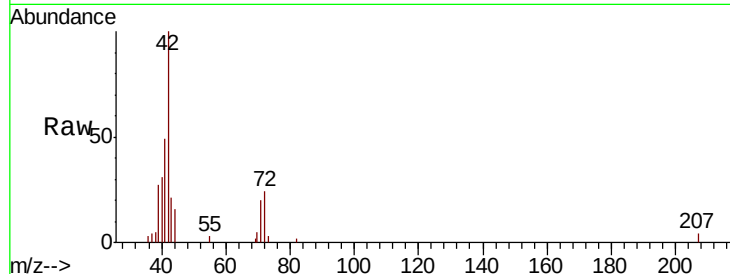




#29
Tetrahydrofuran
Concen: 9.396 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012069.D
Acq: 21 Aug 2019 14:01

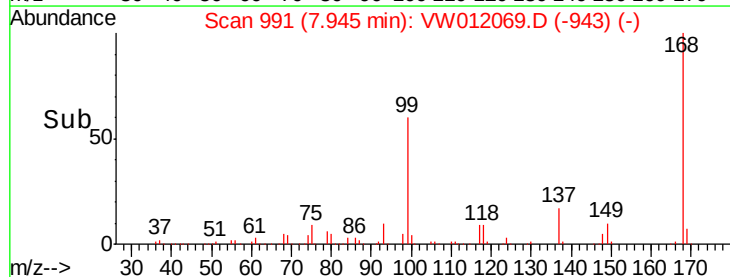
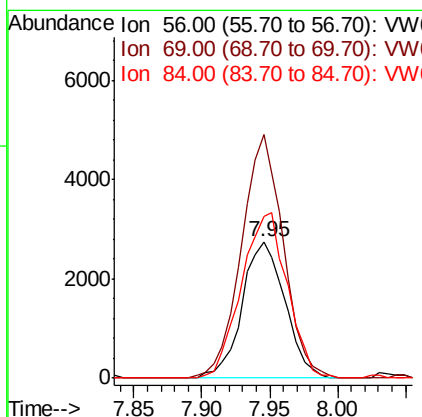
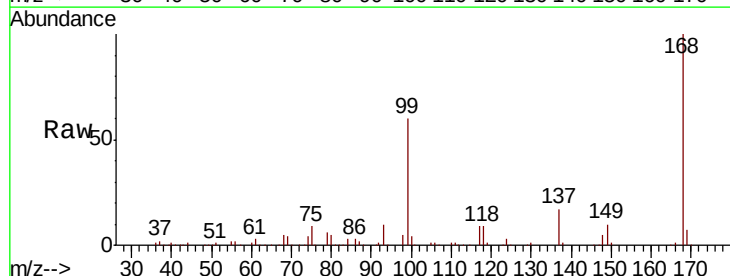
Instrument :
MSVOA_W
ClientSampled :
T4-B4-(2)

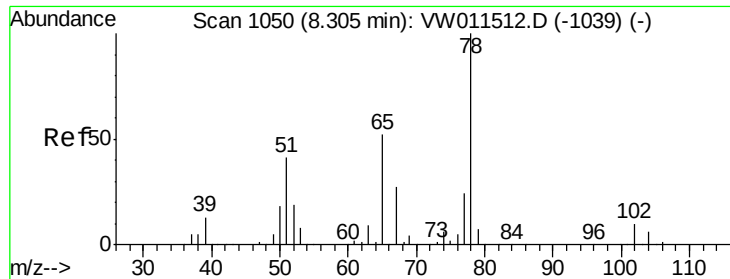
Tgt Ion: 42 Resp: 6269
Ion Ratio Lower Upper
42 100
72 30.9 27.1 40.7
71 30.0 26.2 39.4



#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012069.D
Acq: 21 Aug 2019 14:01

Tgt Ion: 56 Resp: 6078
Ion Ratio Lower Upper
56 100
69 178.7 24.3 36.5#
84 118.9 60.4 90.6#

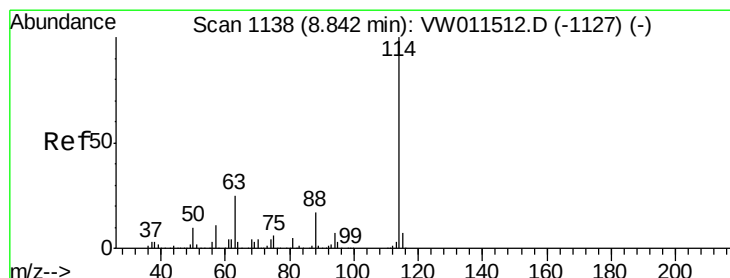
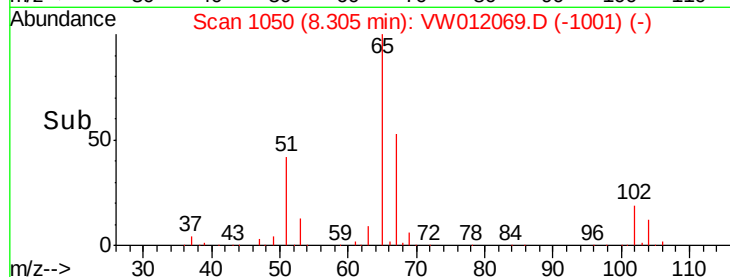
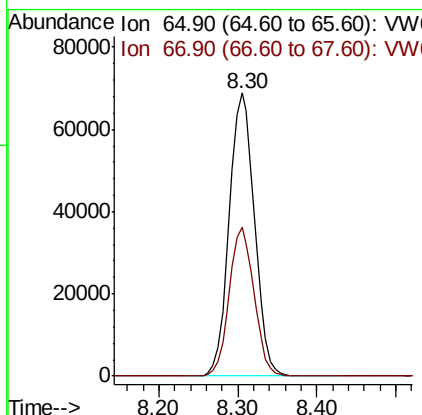
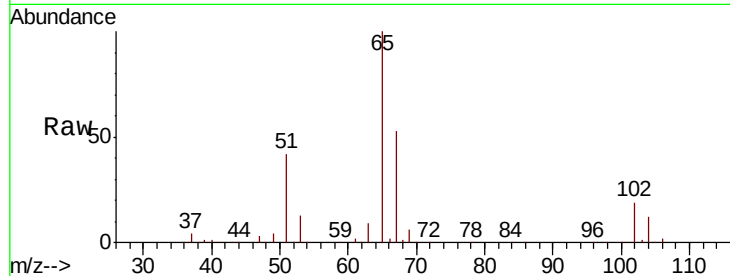




#33
 1,2-Dichloroethane-d4
 Concen: 54.690 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012069.D
 Acq: 21 Aug 2019 14:01

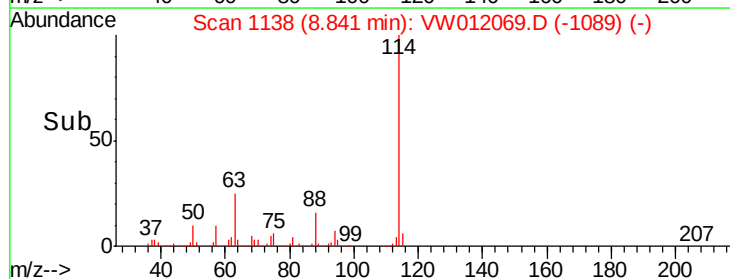
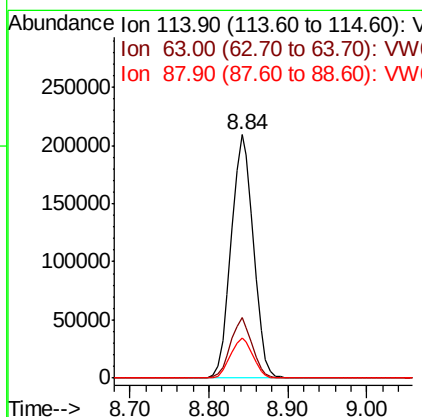
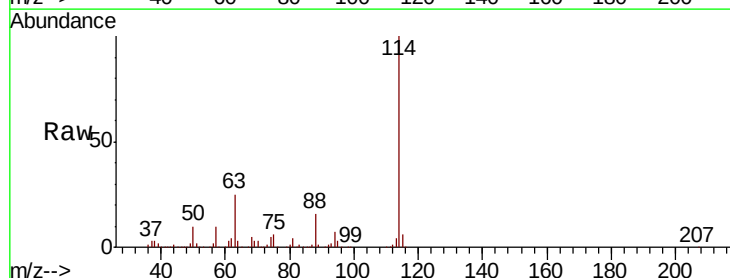
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-B4-(2)

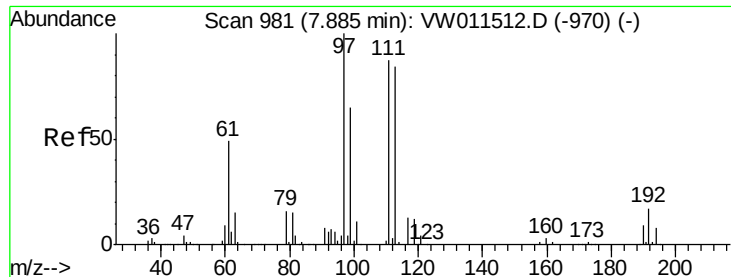
Tgt Ion: 65 Resp: 153361
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012069.D
 Acq: 21 Aug 2019 14:01

Tgt Ion: 114 Resp: 410507
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.5 0.0 33.8

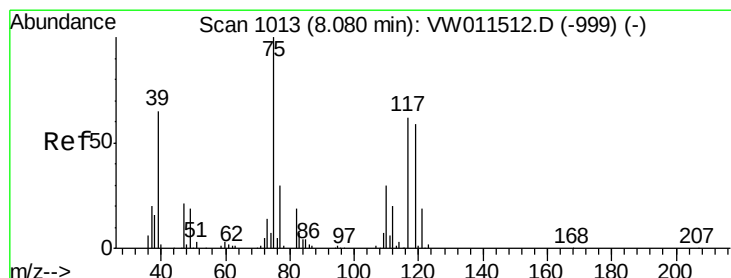
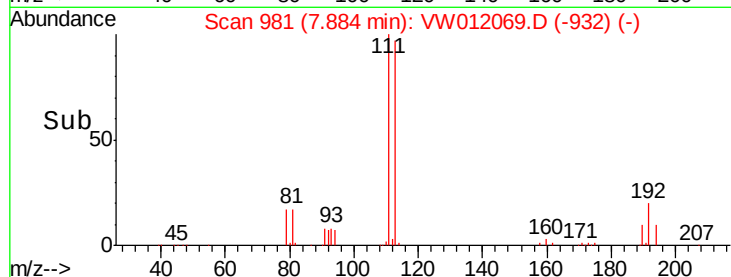
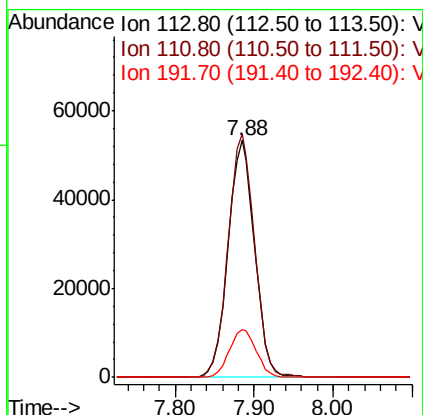
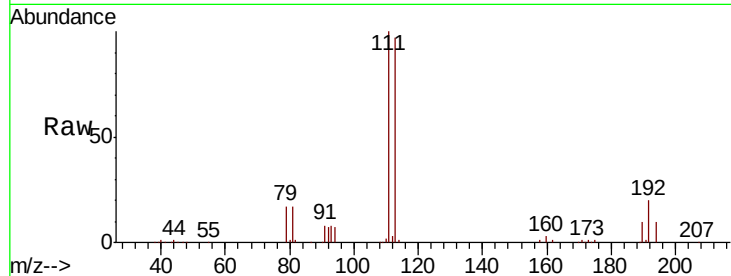




#35
 Dibromofluoromethane
 Concen: 53.952 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012069.D
 Acq: 21 Aug 2019 14:01

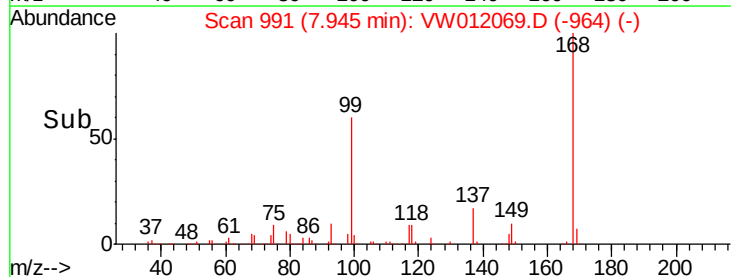
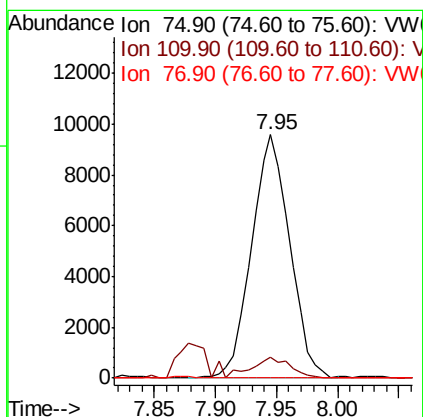
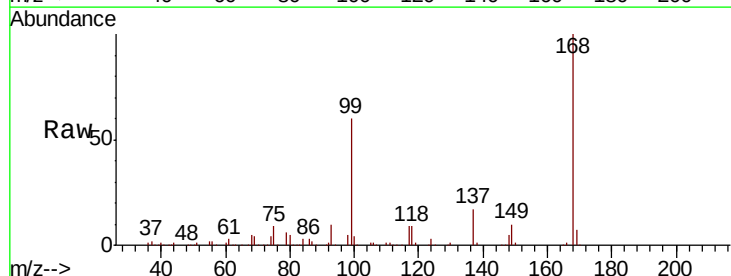
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-B4-(2)

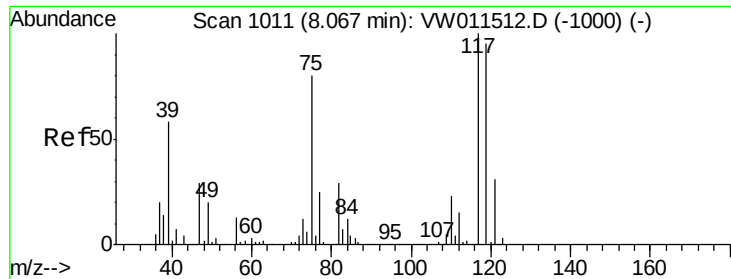
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.7	124.1
192	20.5	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.878 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012069.D
 Acq: 21 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	15.6	46.8#
77	0.0	24.3	36.5#

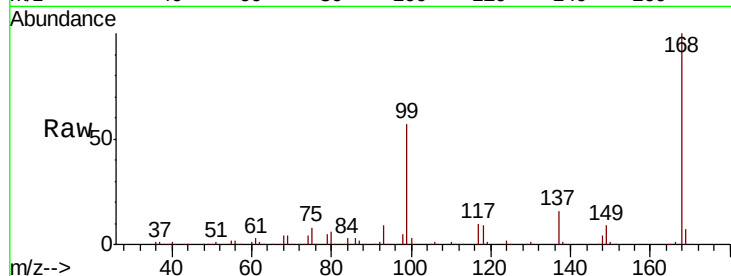




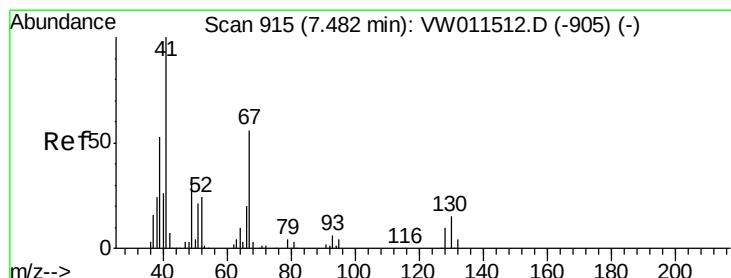
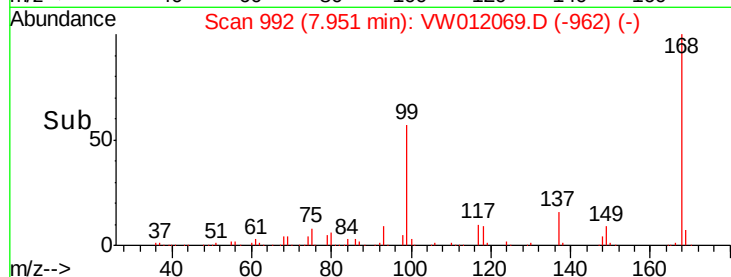
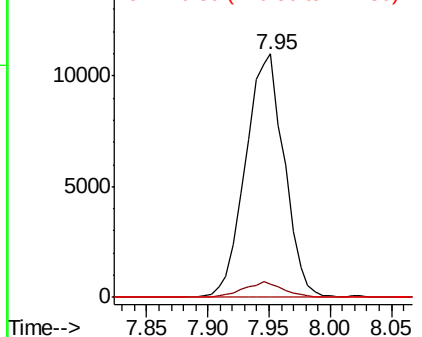
#38
Carbon Tetrachloride
Concen: 6.630 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW012069.D
Acq: 21 Aug 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
T4-B4-(2)

Tgt Ion: 117 Resp: 24228
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.7 37.1#

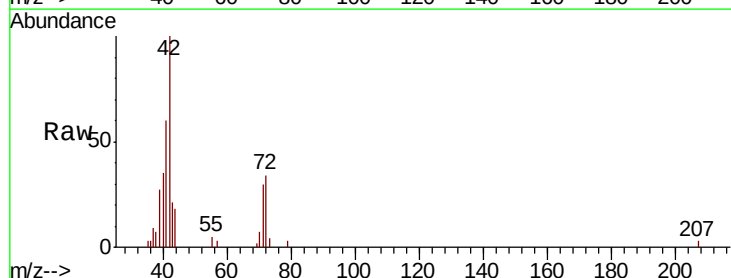


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

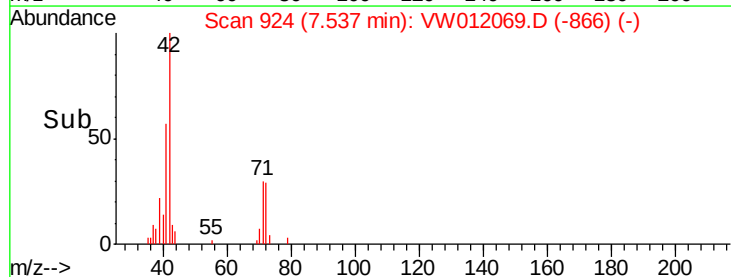
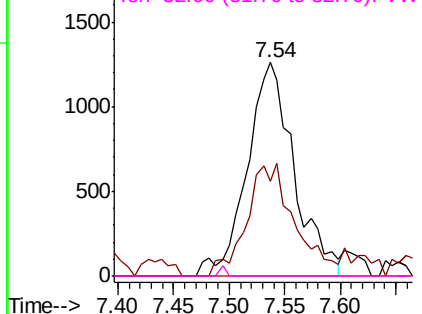


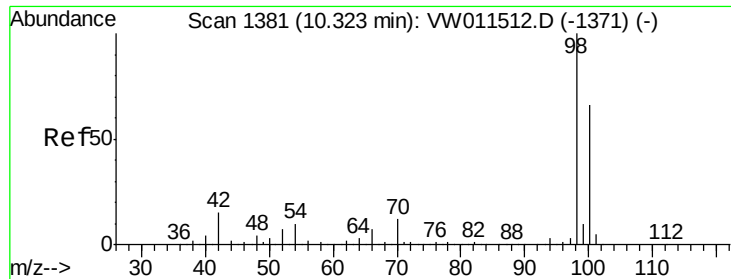
#41
Methacrylonitrile
Concen: 2.525 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012069.D
Acq: 21 Aug 2019 14:01

Tgt Ion: 41 Resp: 3706
Ion Ratio Lower Upper
41 100
39 53.4 43.0 64.4
67 0.0 47.5 71.3#
52 0.0 21.0 31.6#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

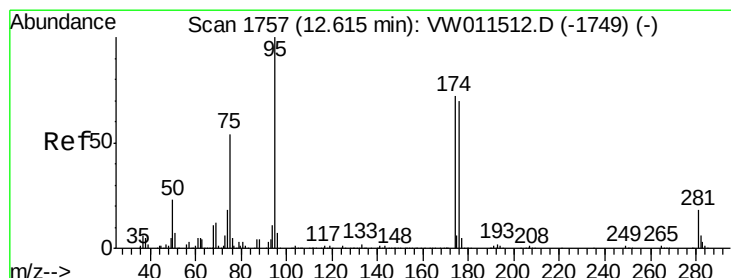
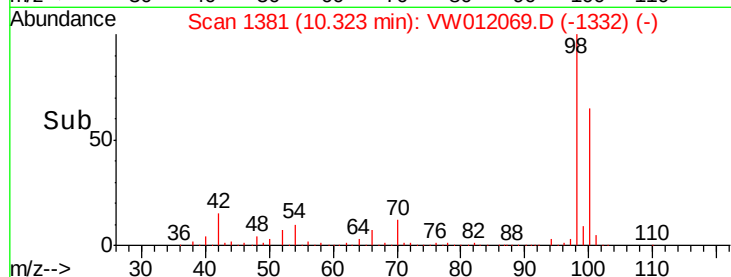
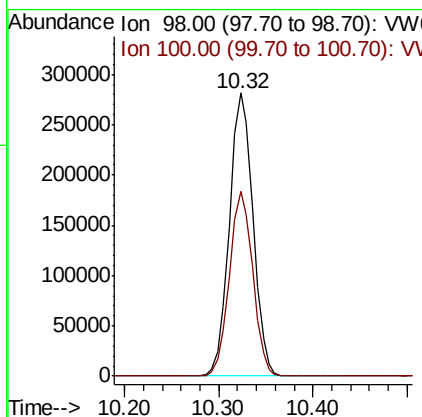
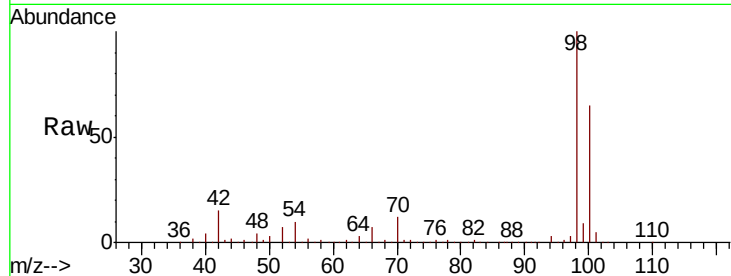




#50
Toluene-d8
Concen: 51.872 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012069.D
Acq: 21 Aug 2019 14:01

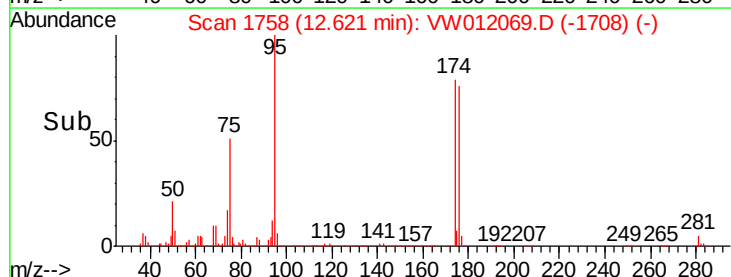
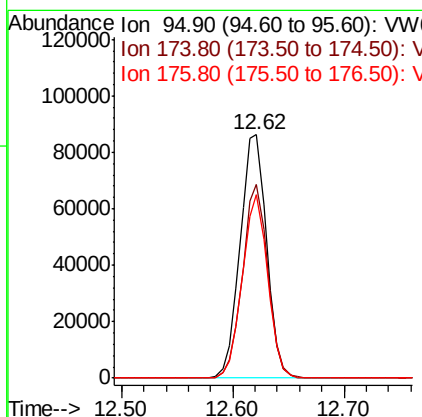
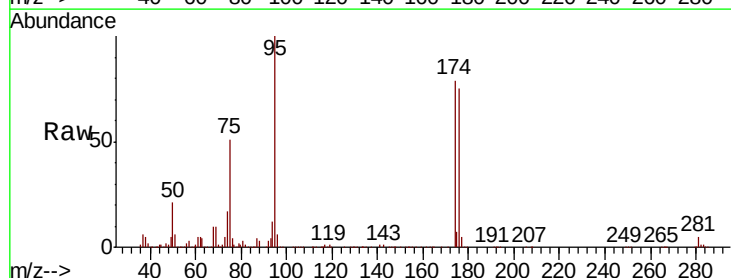
Instrument :
MSVOA_W
ClientSampleId :
T4-B4-(2)

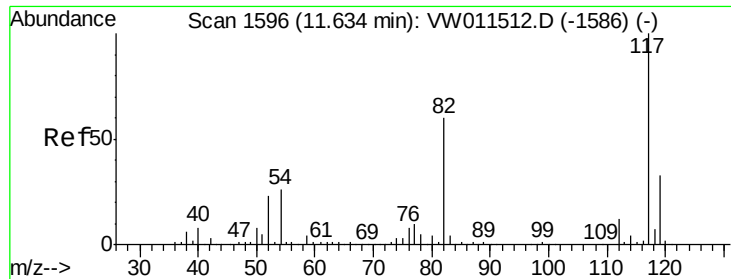
Tgt Ion: 98 Resp: 489116
Ion Ratio Lower Upper
98 100
100 64.7 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 42.186 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012069.D
Acq: 21 Aug 2019 14:01

Tgt Ion: 95 Resp: 141816
Ion Ratio Lower Upper
95 100
174 76.4 0.0 150.2
176 72.6 0.0 144.4

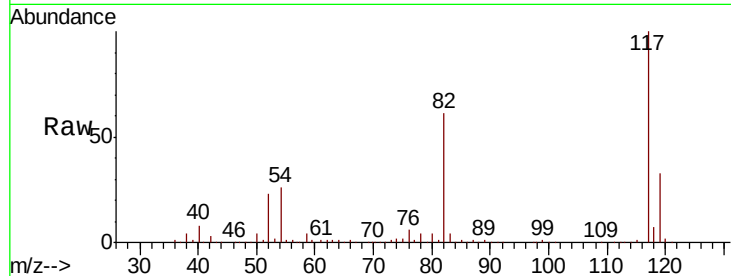




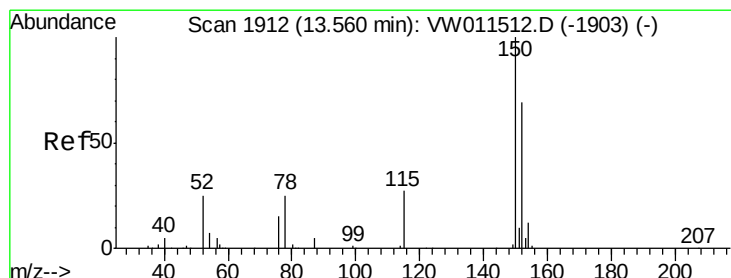
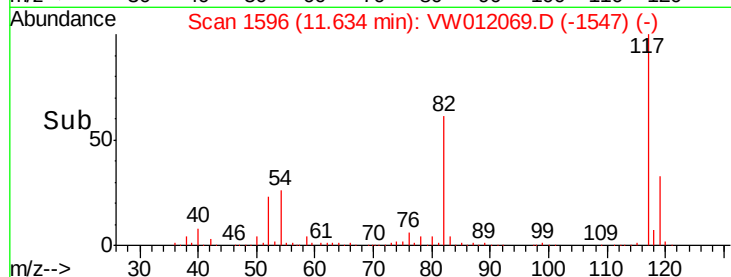
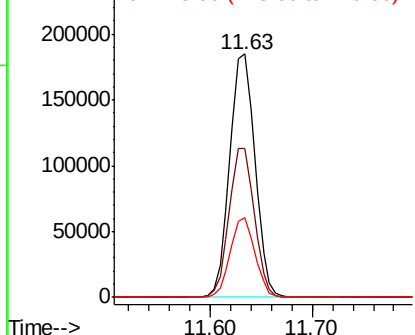
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012069.D
Acq: 21 Aug 2019 14:01

Instrument :
MSVOA_W
ClientSampled :
T4-B4-(2)

Tgt Ion:117 Resp: 316944
Ion Ratio Lower Upper
117 100
82 61.0 47.9 71.9
119 32.6 26.2 39.2

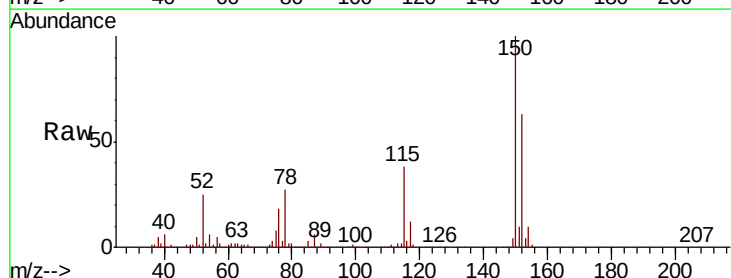


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

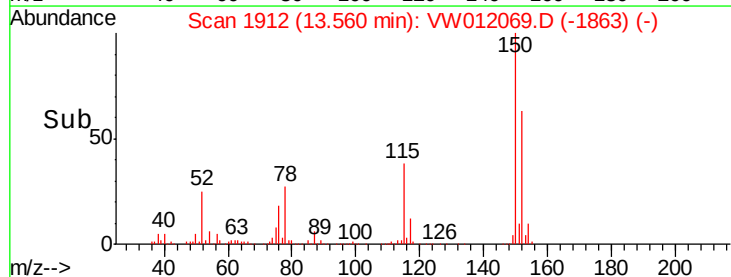
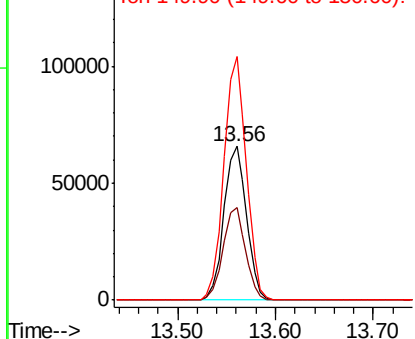


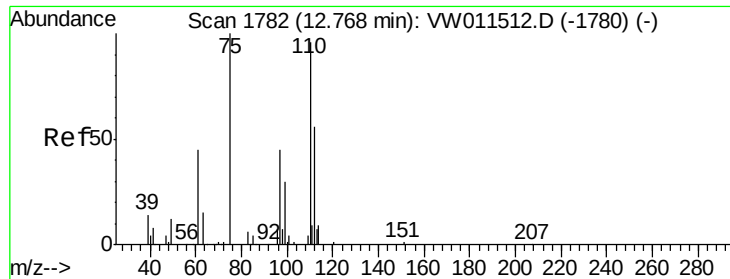
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012069.D
Acq: 21 Aug 2019 14:01

Tgt Ion:152 Resp: 105776
Ion Ratio Lower Upper
152 100
115 59.6 30.5 91.5
150 156.0 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: 66.286 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012069.D

Acq: 21 Aug 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

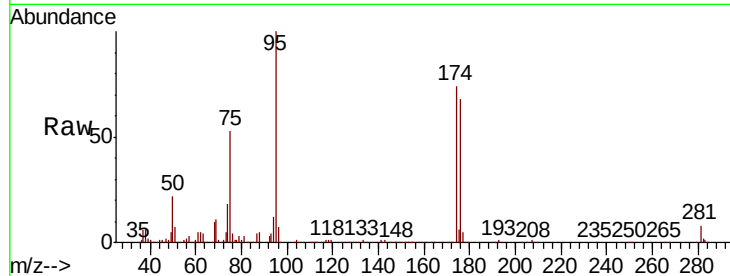
T4-B4-(2)

Tgt Ion: 75 Resp: 74189

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

12.62

50000

40000

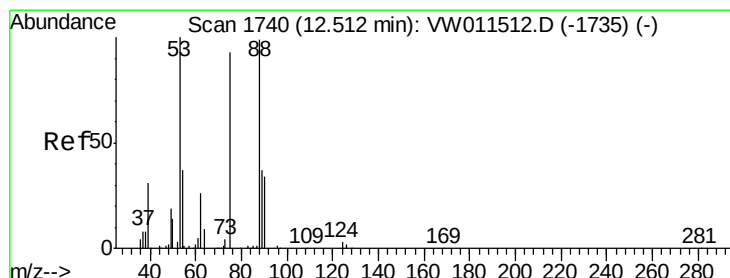
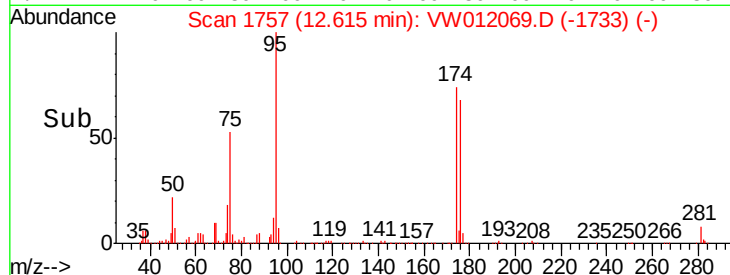
30000

20000

10000

0

Time--> 12.50 12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 152.765 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012069.D

Acq: 21 Aug 2019 14:01

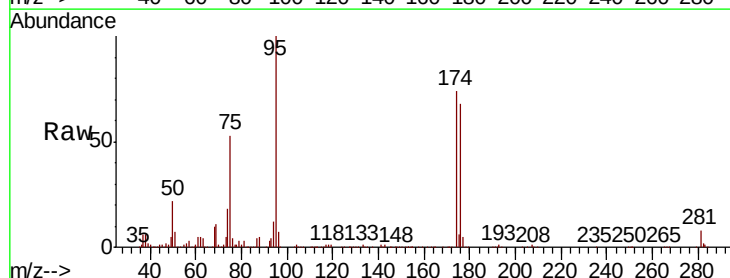
Tgt Ion: 75 Resp: 74189

Ion Ratio Lower Upper

75 100

53 0.2 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

12.62

60000

50000

40000

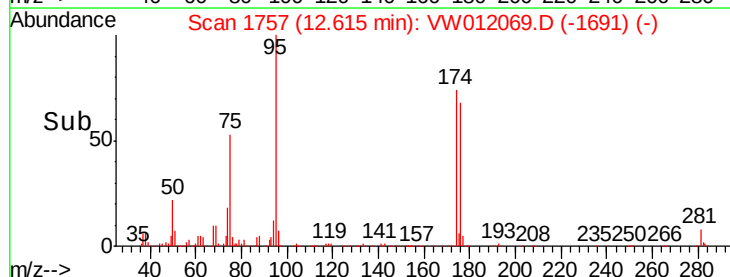
30000

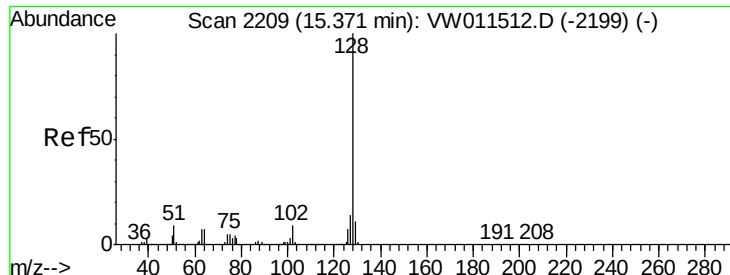
20000

10000

0

Time--> 12.50 12.60 12.70

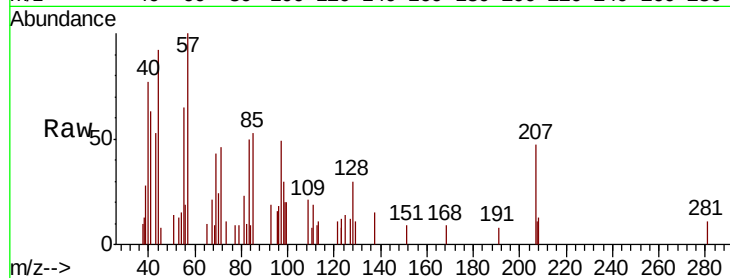




#95
Naphthalene
Concen: 2.164 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW012069.D
Acq: 21 Aug 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
T4-B4-(2)

Tgt Ion:128 Resp: 427
Ion Ratio Lower Upper
128 100
127 11.7 10.6 16.0
129 13.1 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

