

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012052.D
 Acq On : 21 Aug 2019 01:15
 Operator : SY/VA
 Sample : K4387-17
 Misc : 6.32G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A4-(2)

Quant Time: Aug 21 02:28:05 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	282186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	468042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106060	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	174538	53.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.74%	
35) Dibromofluoromethane	7.88	113	141694	53.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.92%	
50) Toluene-d8	10.32	98	558485	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.62	95	149840	39.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.18%	

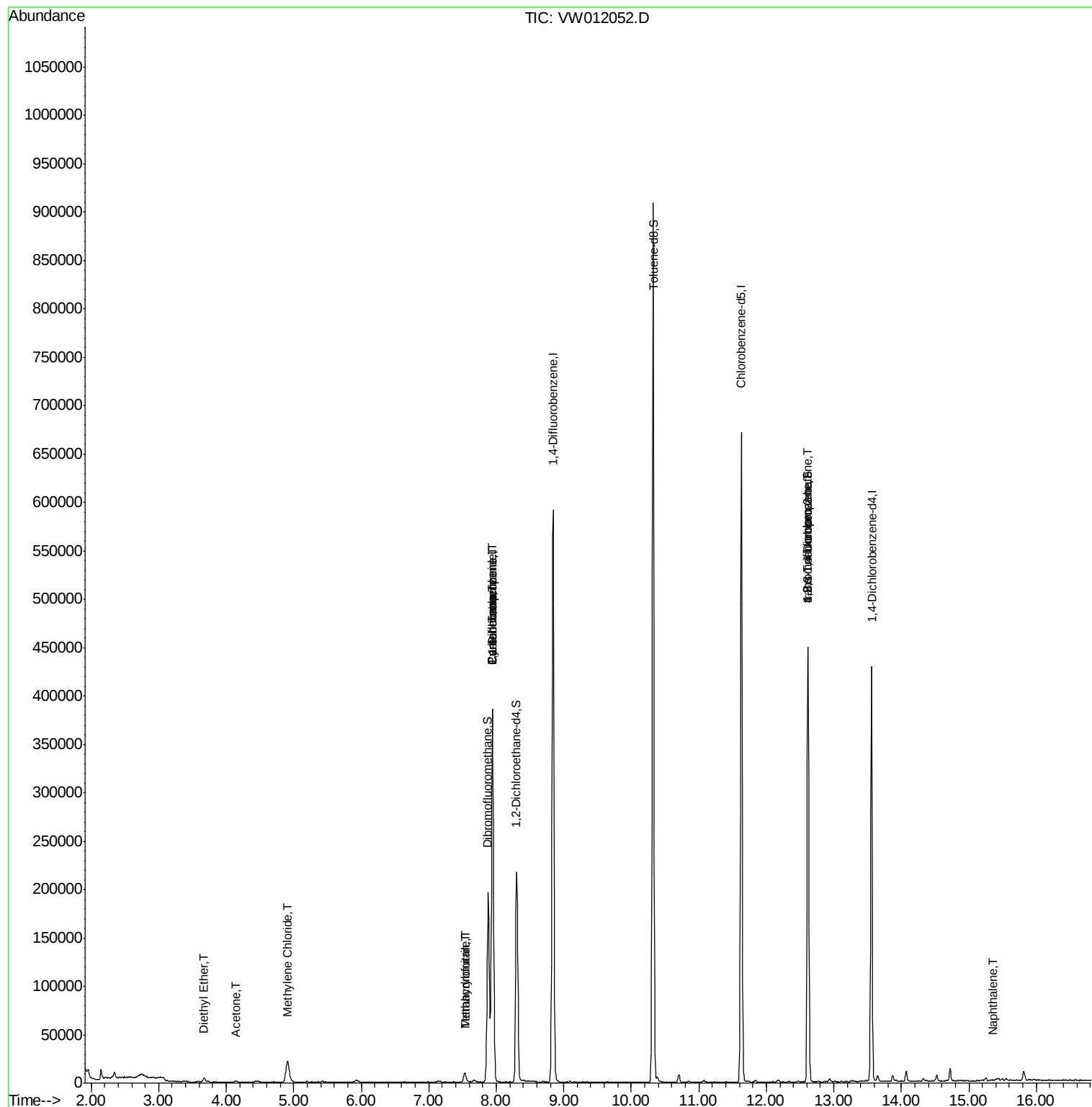
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2019	1.214	ug/l	75
11) Tert butyl alcohol	5.18	59	168	Below Cal	#	72
16) Acetone	4.14	43	1355	1.315	ug/l	95
20) Methylene Chloride	4.91	84	16457	4.630	ug/l	98
29) Tetrahydrofuran	7.53	42	8900	11.544	ug/l	97
31) Cyclohexane	7.95	56	6855	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24182	4.969	ug/l #	50
38) Carbon Tetrachloride	7.95	117	28344	6.803	ug/l #	17
41) Methacrylonitrile	7.53	41	5137	3.069	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	78826	70.240	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78826	161.879	ug/l #	6
95) Naphthalene	15.36	128	261	2.126	ug/l #	69

(#) = 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: VW012052.D

Acq: 21 Aug 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

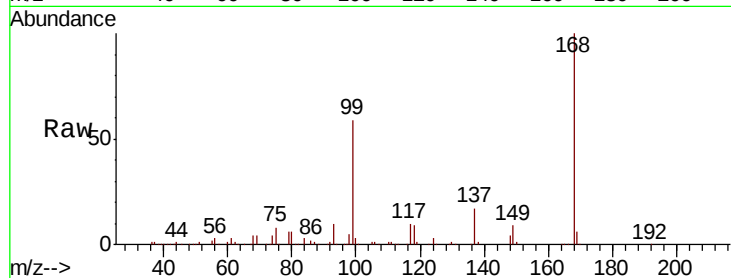
T4-A4-(2)

Tgt Ion:168 Resp: 282186

Ion Ratio Lower Upper

168 100

99 59.3 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

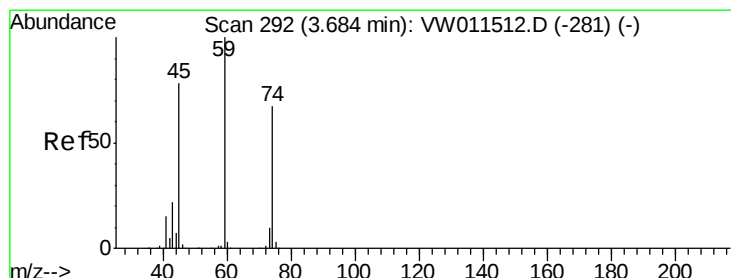
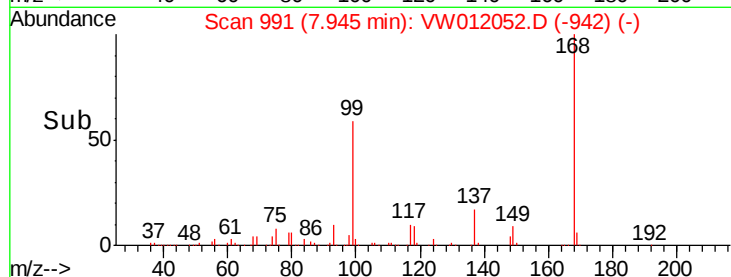
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.214 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012052.D

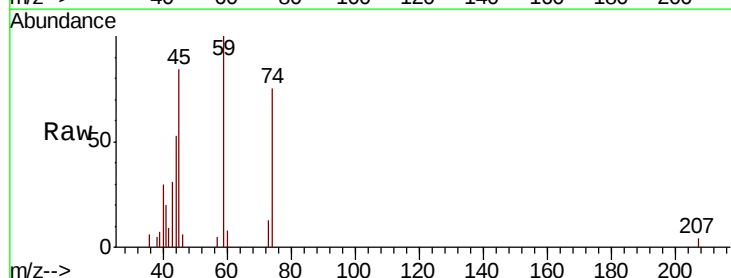
Acq: 21 Aug 2019 01:15

Tgt Ion: 74 Resp: 2019

Ion Ratio Lower Upper

74 100

45 147.4 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

1000

800

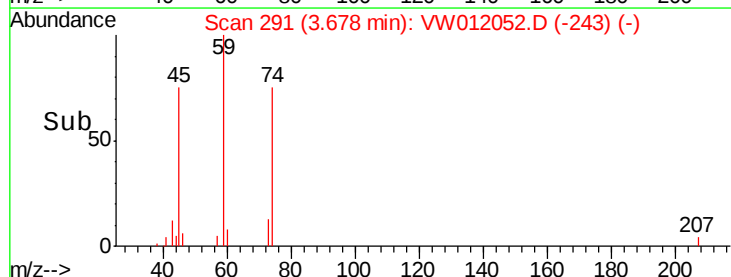
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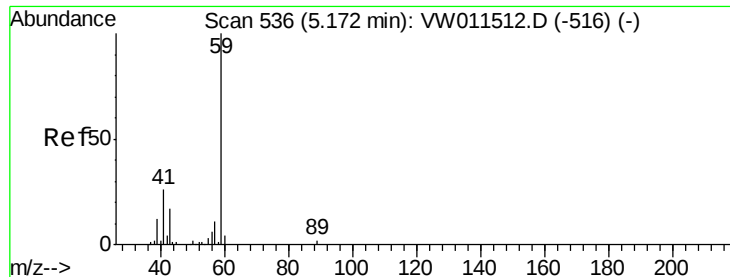
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200

0

Time-->



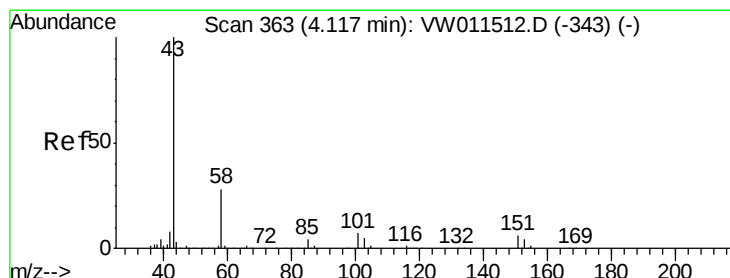
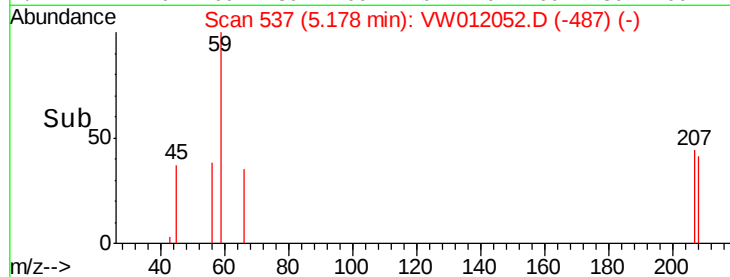
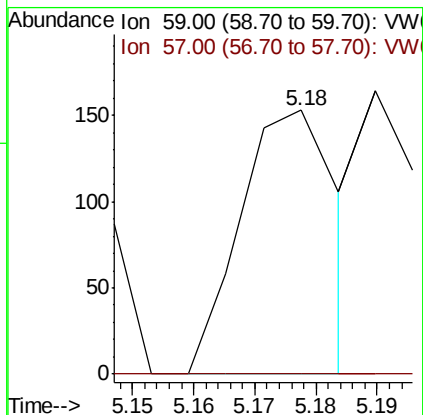
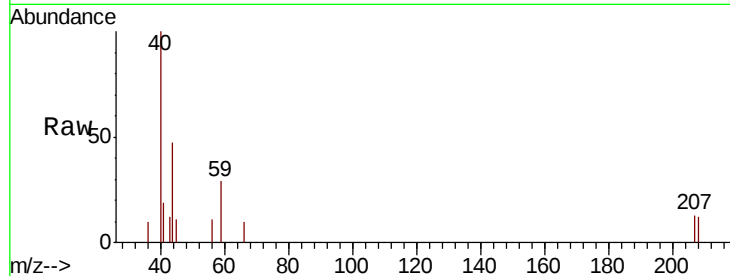


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW012052.D
 Acq: 21 Aug 2019 01:15

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A4-(2)

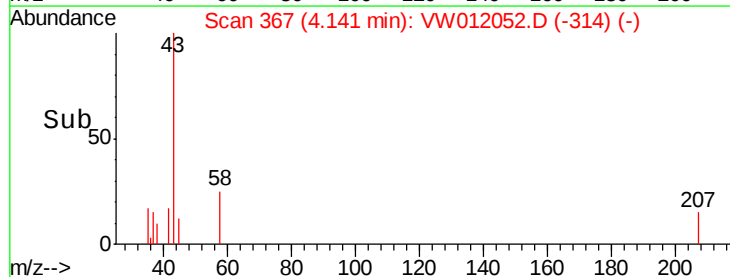
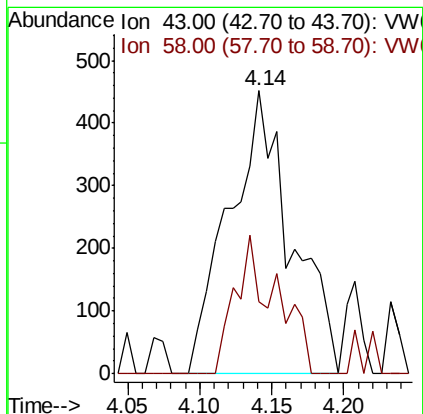
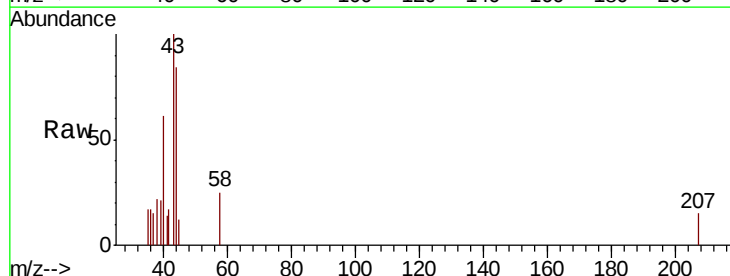
Tgt Ion: 59 Resp: 168
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

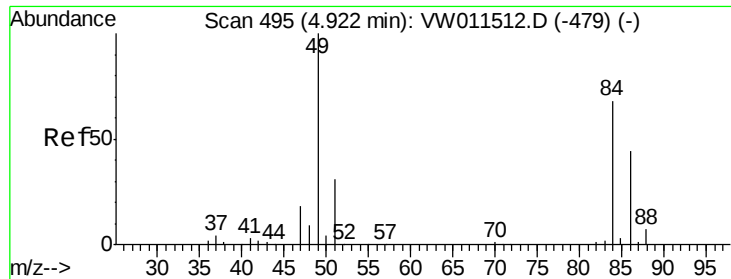


#16

Acetone
 Concen: 1.315 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW012052.D
 Acq: 21 Aug 2019 01:15

Tgt Ion: 43 Resp: 1355
 Ion Ratio Lower Upper
 43 100
 58 25.2 22.3 33.5

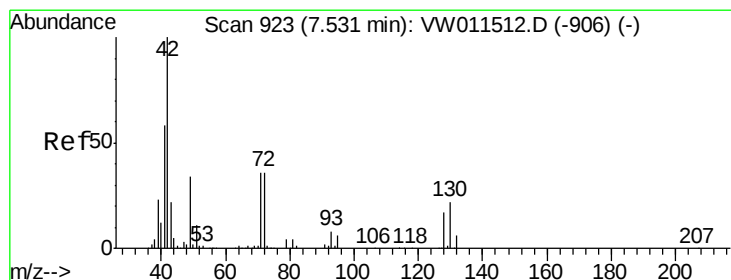
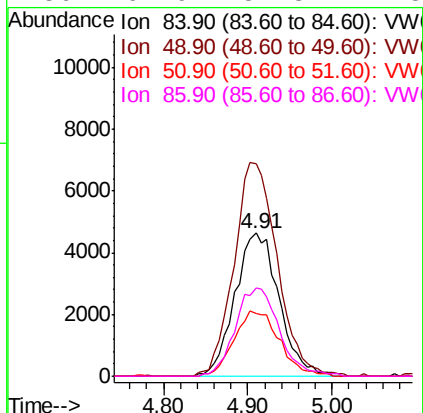
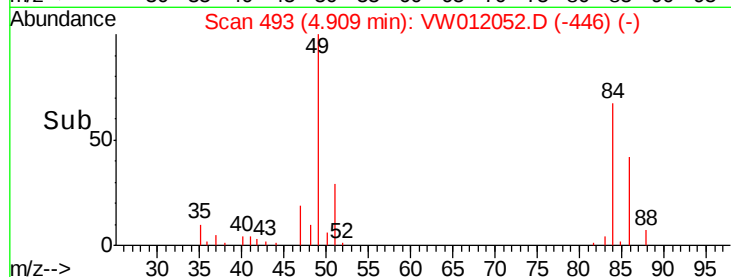
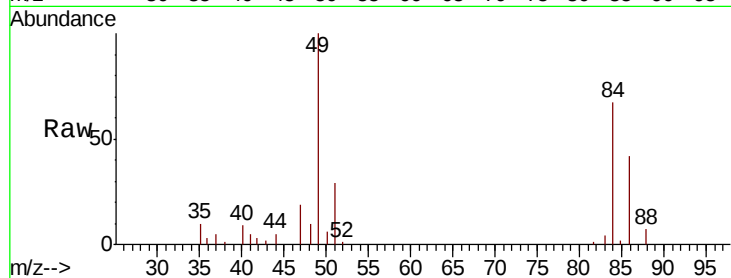




#20
Methylene Chloride
Concen: 4.630 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012052.D
Acq: 21 Aug 2019 01:15

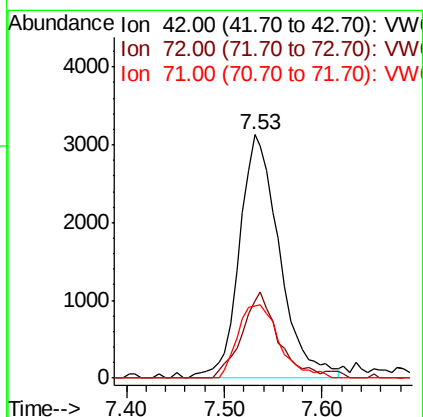
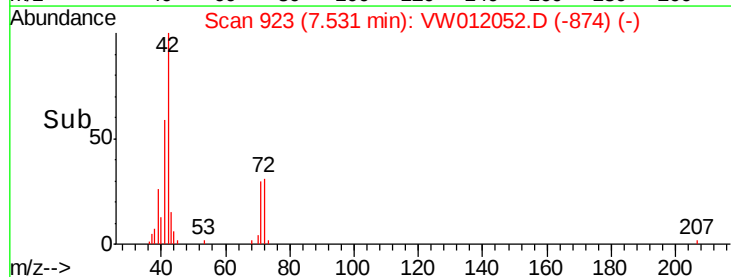
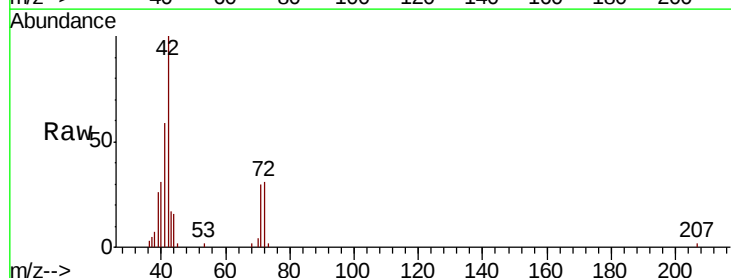
Instrument :
MSVOA_W
ClientSampled :
T4-A4-(2)

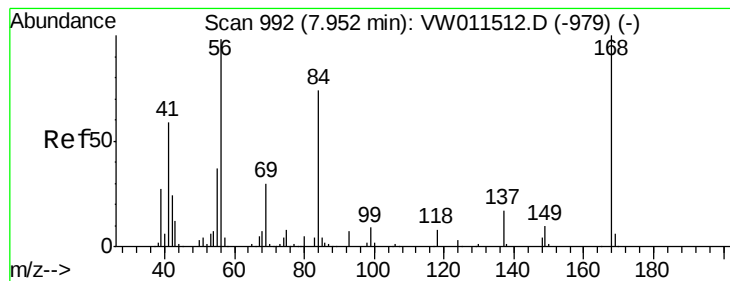
Tgt Ion:	84	Resp:	16457
Ion	Ratio	Lower	Upper
84	100		
49	148.6	117.8	176.6
51	43.5	37.0	55.4
86	61.9	51.8	77.8



#29
Tetrahydrofuran
Concen: 11.544 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012052.D
Acq: 21 Aug 2019 01:15

Tgt Ion:	42	Resp:	8900
Ion	Ratio	Lower	Upper
42	100		
72	31.6	27.1	40.7
71	31.3	26.2	39.4





#31

Cyclohexane

Concen: 1.131 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012052.D

Acq: 21 Aug 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

T4-A4-(2)

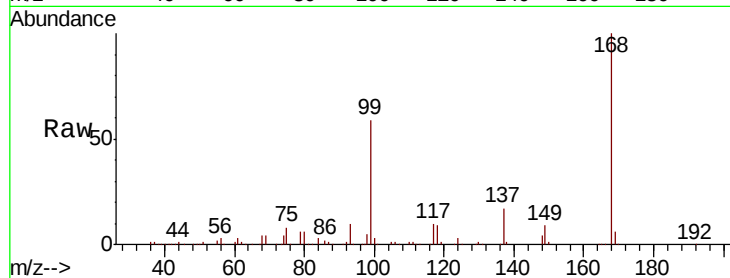
Tgt Ion: 56 Resp: 6855

Ion Ratio Lower Upper

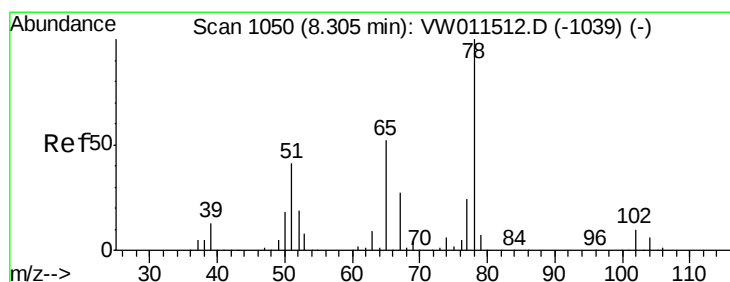
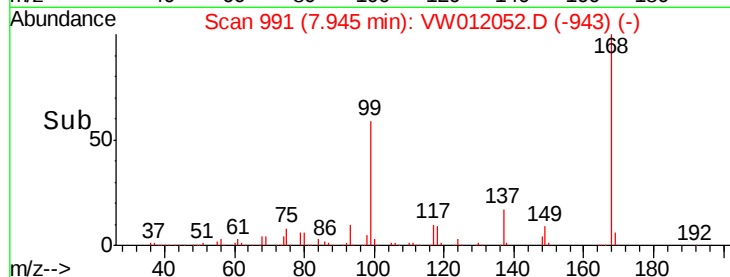
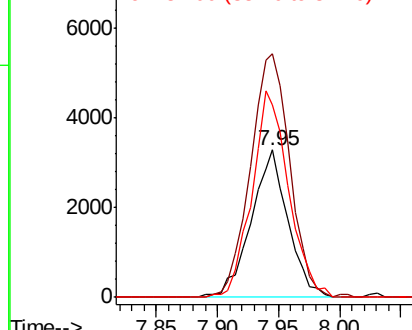
56 100

69 165.6 24.3 36.5#

84 130.9 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: 53.865 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012052.D

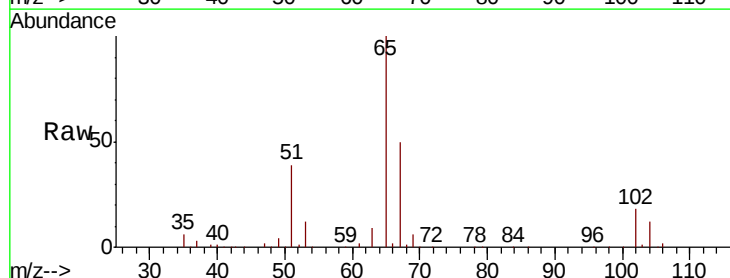
Acq: 21 Aug 2019 01:15

Tgt Ion: 65 Resp: 174538

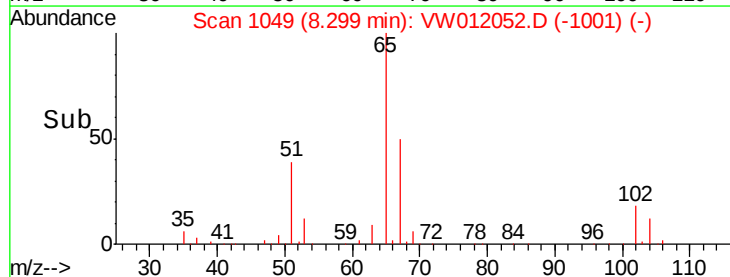
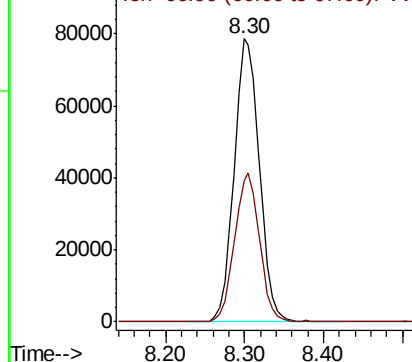
Ion Ratio Lower Upper

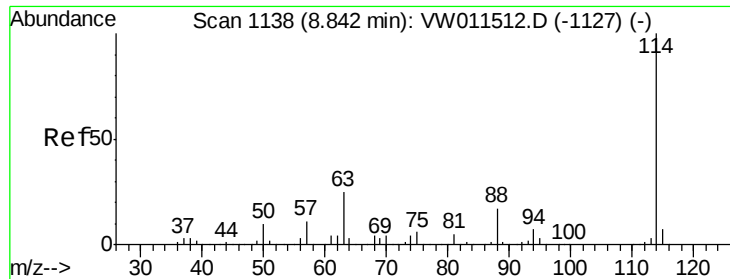
65 100

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

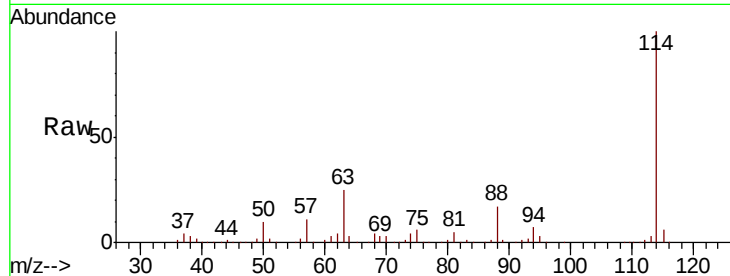




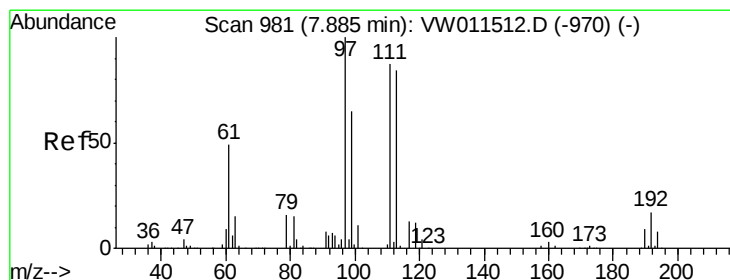
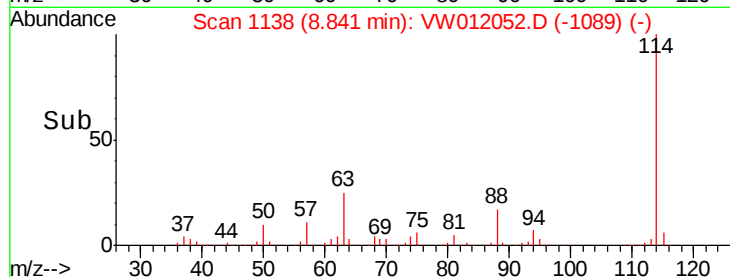
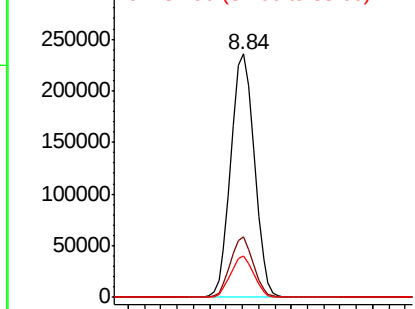
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012052.D
 Acq: 21 Aug 2019 01:15

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A4-(2)

Tgt Ion:114 Resp: 468042
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.9 0.0 33.8

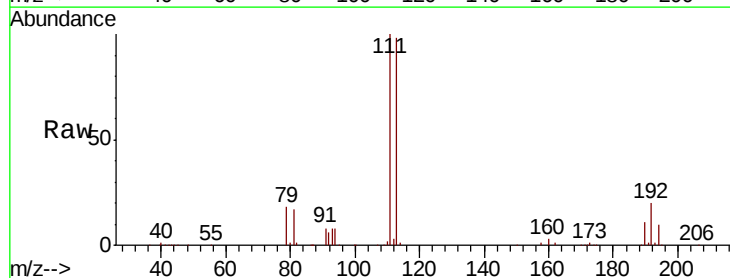


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

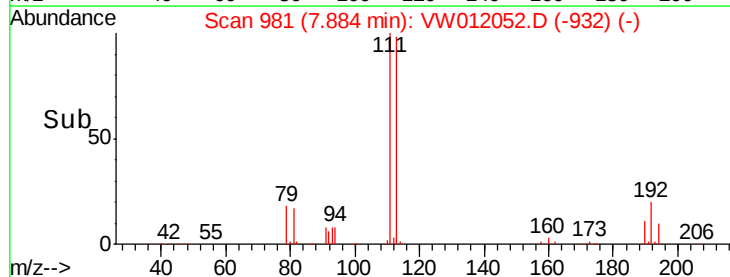
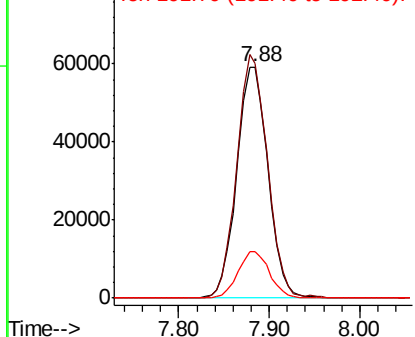


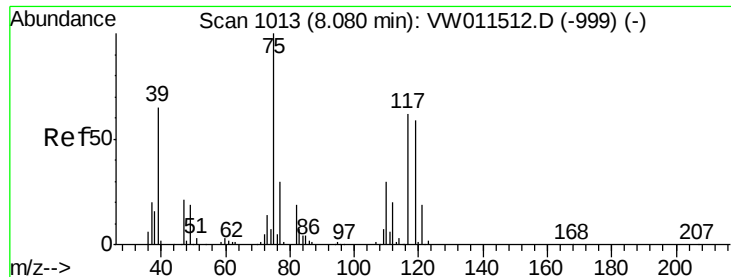
#35
 Dibromofluoromethane
 Concen: 53.962 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012052.D
 Acq: 21 Aug 2019 01:15

Tgt Ion:113 Resp: 141694
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 20.3 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

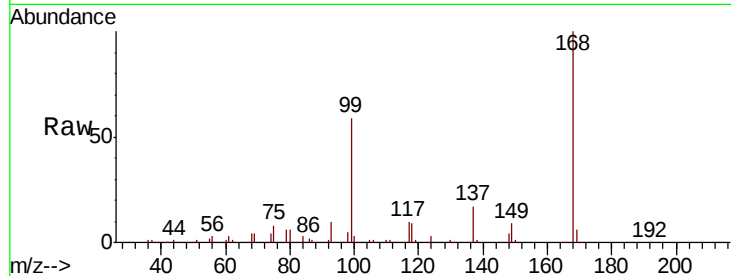




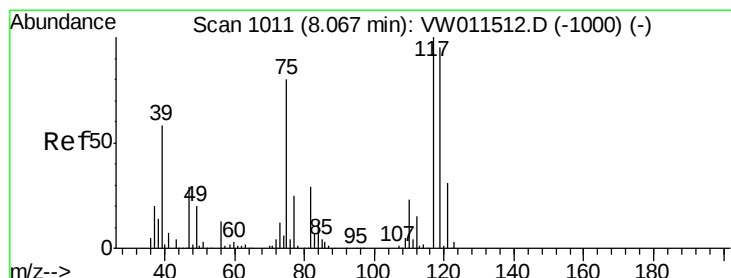
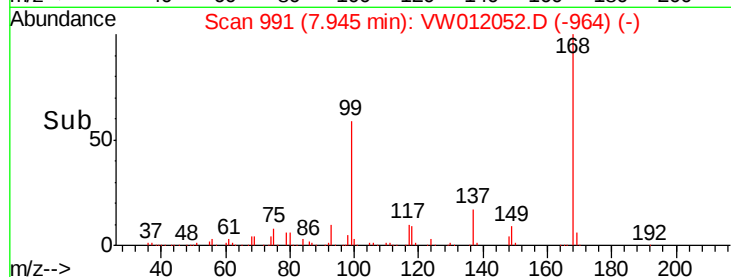
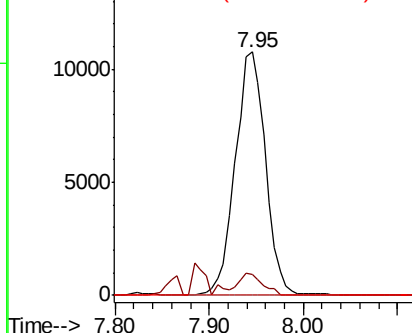
#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012052.D
 Acq: 21 Aug 2019 01:15

Instrument :
 MSVOA_W
 ClientSampled :
 T4-A4-(2)

Tgt Ion: 75 Resp: 24182
 Ion Ratio Lower Upper
 75 100
 110 7.1 15.6 46.8#
 77 0.0 24.3 36.5#

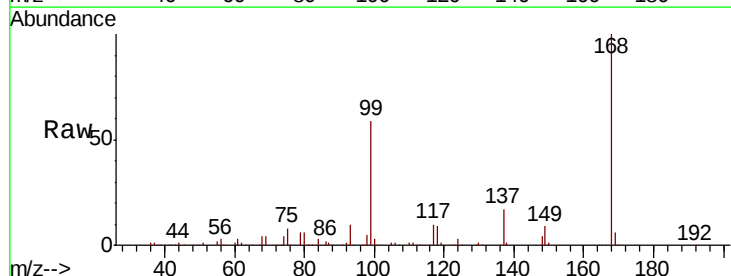


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

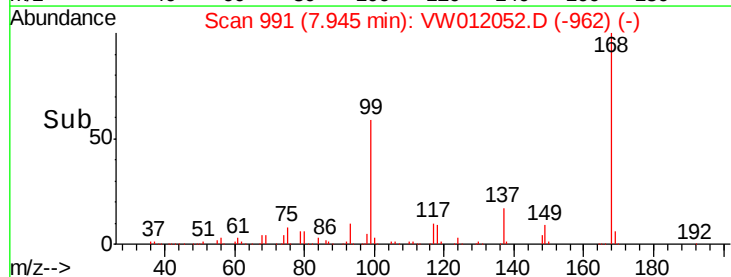
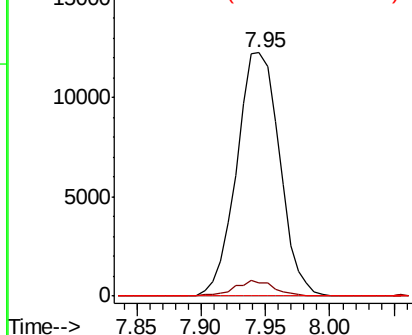


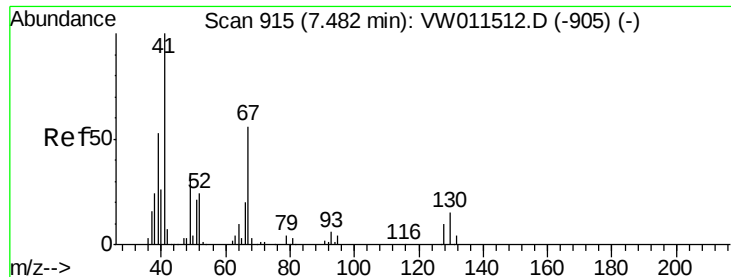
#38
 Carbon Tetrachloride
 Concen: 6.803 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012052.D
 Acq: 21 Aug 2019 01:15

Tgt Ion: 117 Resp: 28344
 Ion Ratio Lower Upper
 117 100
 119 5.5 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

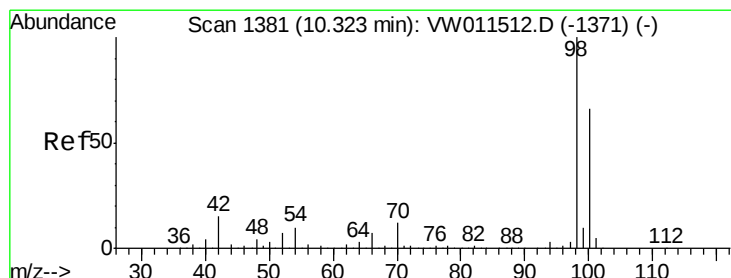
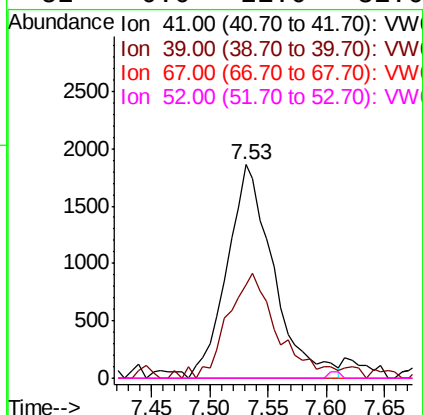
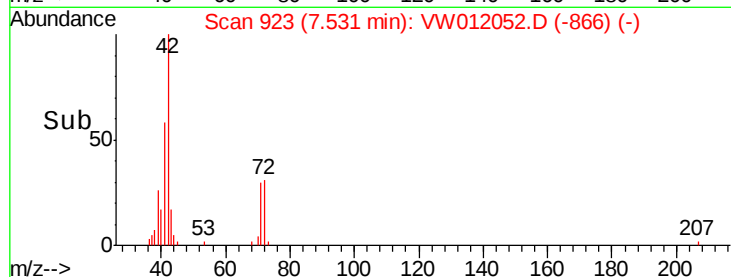
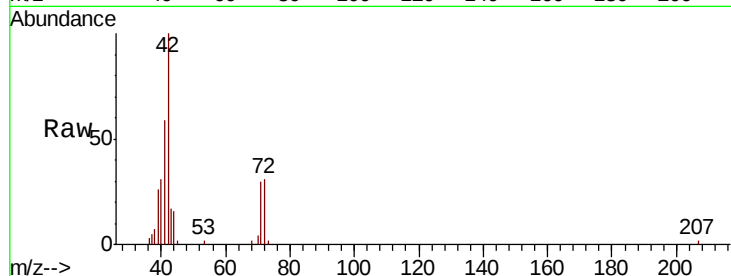




#41
Methacrylonitrile
Concen: 3.069 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012052.D
Acq: 21 Aug 2019 01:15

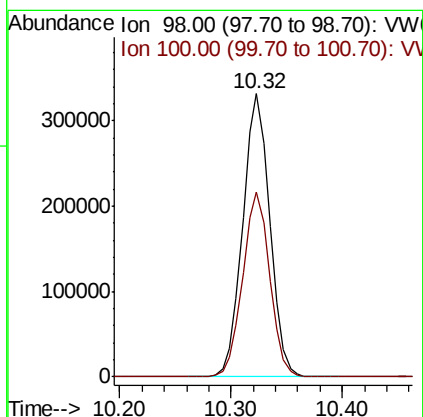
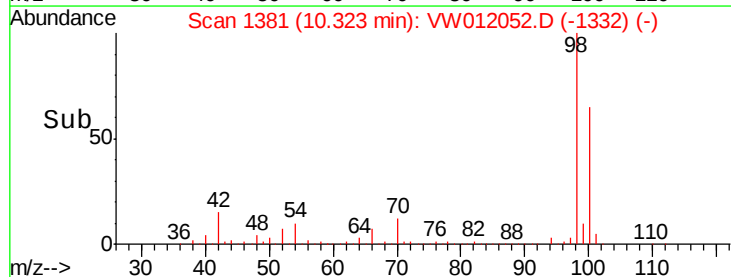
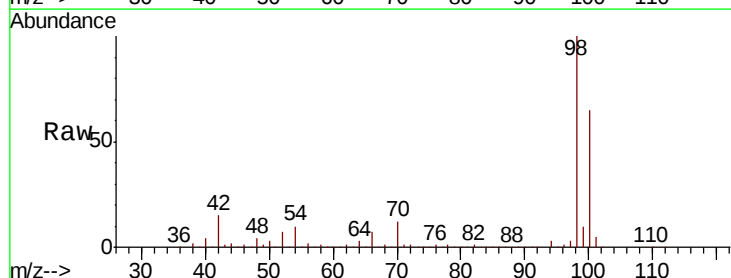
Instrument :
MSVOA_W
ClientSampled :
T4-A4-(2)

Tgt Ion: 41 Resp: 5137
Ion Ratio Lower Upper
41 100
39 52.2 43.0 64.4
67 0.0 47.5 71.3#
52 0.0 21.0 31.6#



#50
Toluene-d8
Concen: 51.948 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012052.D
Acq: 21 Aug 2019 01:15

Tgt Ion: 98 Resp: 558485
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 39.093 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012052.D

Acq: 21 Aug 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

T4-A4-(2)

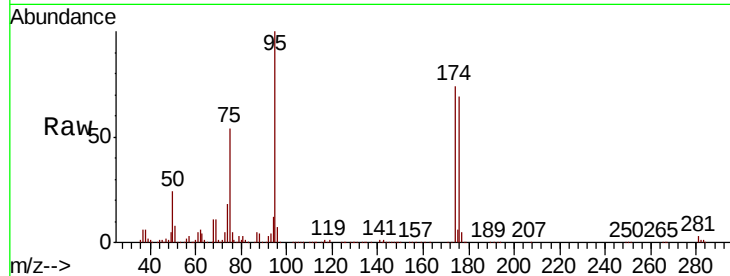
Tgt Ion: 95 Resp: 149840

Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.2

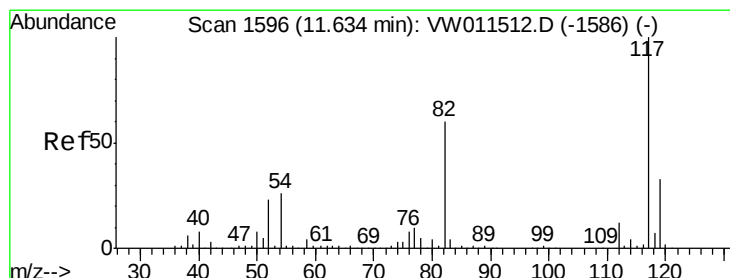
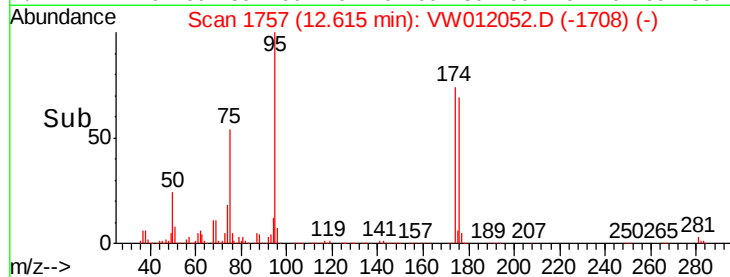
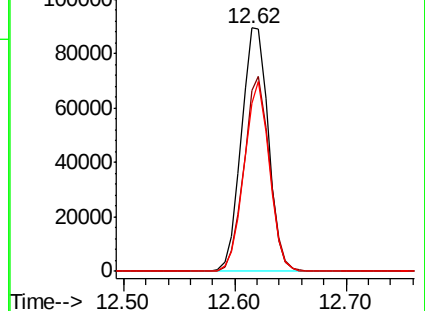
176 73.1 0.0 144.4



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: VW012052.D

Acq: 21 Aug 2019 01:15

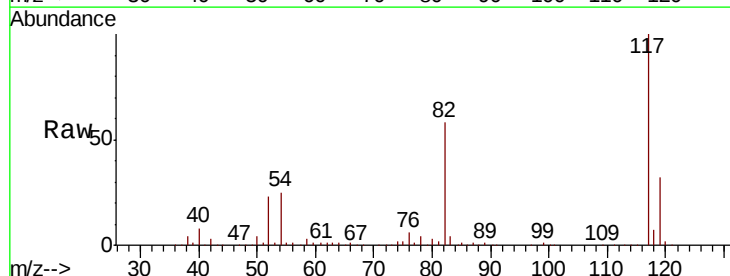
Tgt Ion: 117 Resp: 358531

Ion Ratio Lower Upper

117 100

82 58.2 47.9 71.9

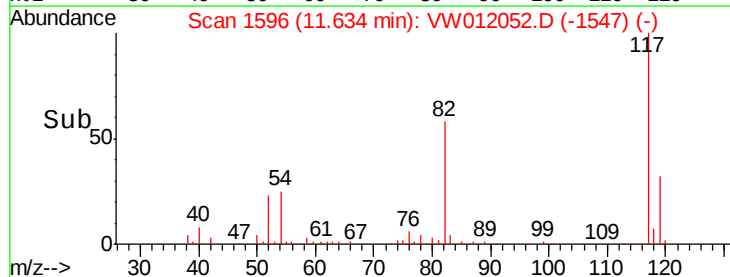
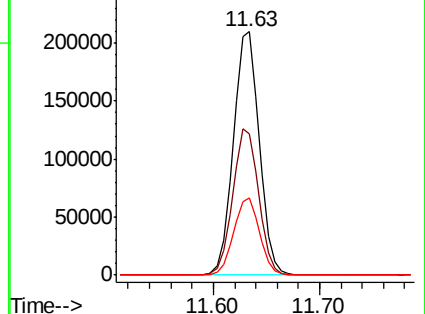
119 31.7 26.2 39.2

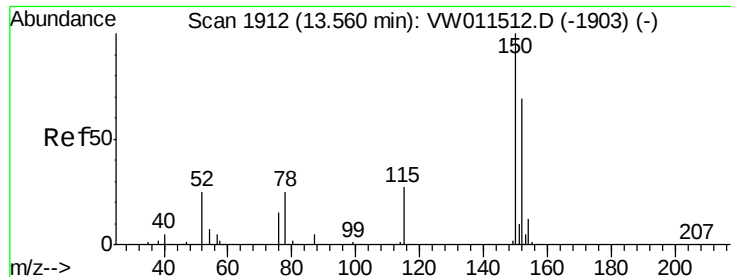


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012052.D

Acq: 21 Aug 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

T4-A4-(2)

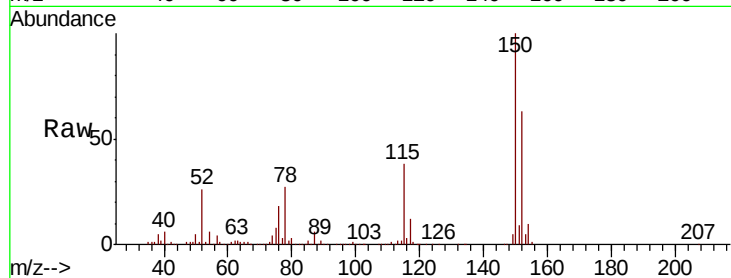
Tgt Ion:152 Resp: 106060

Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

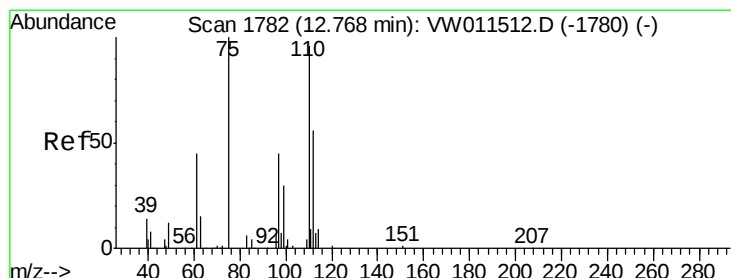
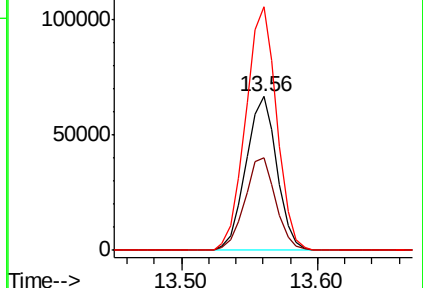
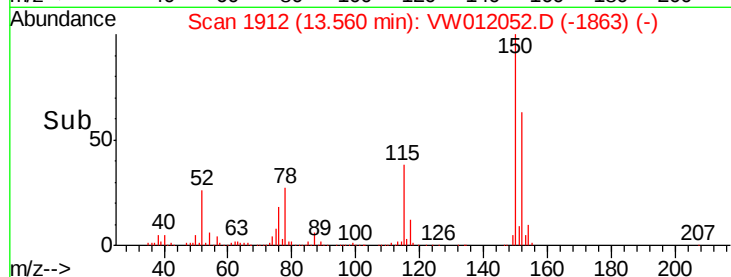
150 158.9 0.0 352.6



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: 70.240 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012052.D

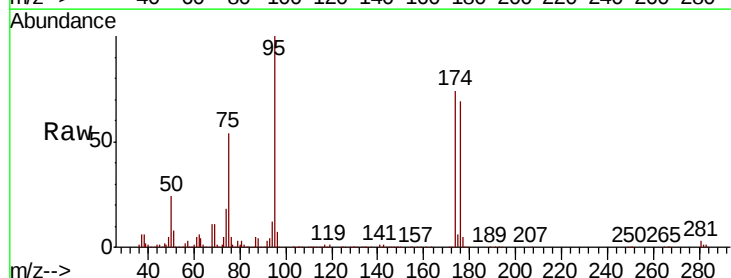
Acq: 21 Aug 2019 01:15

Tgt Ion: 75 Resp: 78826

Ion Ratio Lower Upper

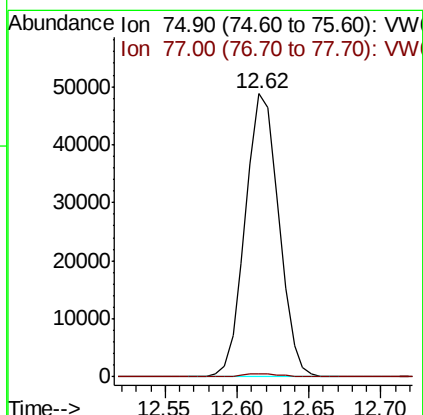
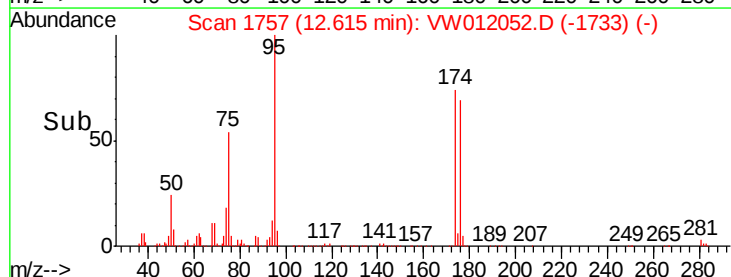
75 100

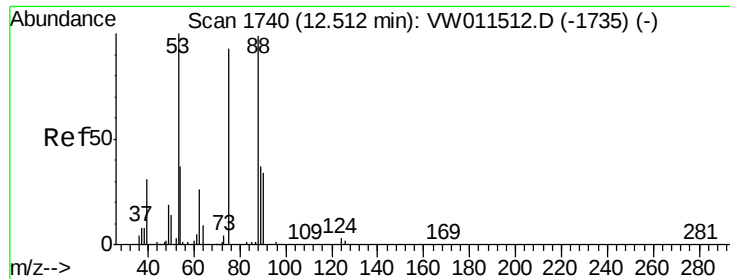
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

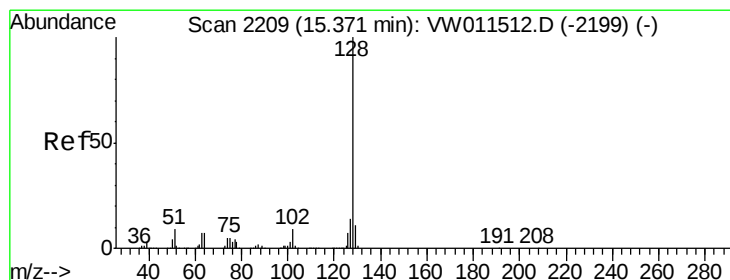
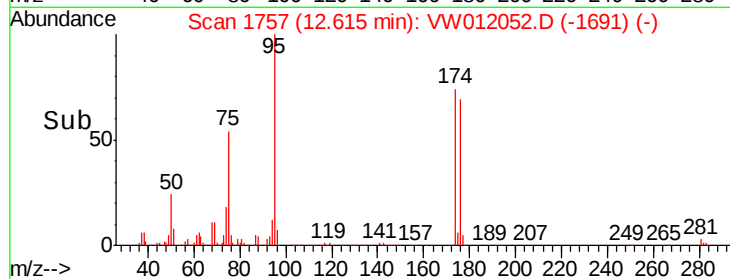
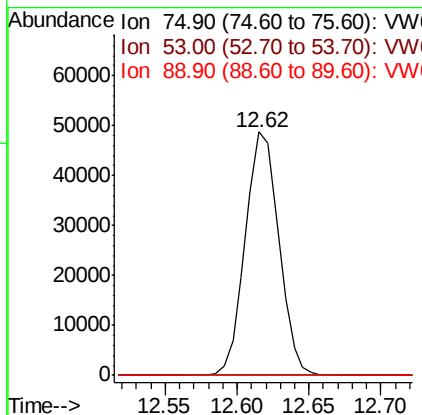
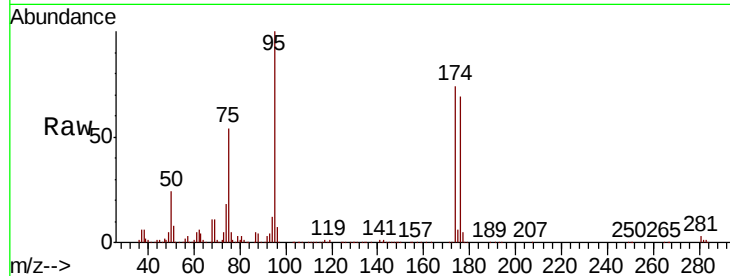




#81
 trans-1,4-Dichloro-2-butene
 Concen: 161.879 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012052.D
 Acq: 21 Aug 2019 01:15

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A4-(2)

Tgt Ion: 75 Resp: 78826
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.1 35.3 52.9#



#95
 Naphthalene
 Concen: 2.126 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: VW012052.D
 Acq: 21 Aug 2019 01:15

Tgt Ion: 128 Resp: 261
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.6 13.0#

