

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012048.D
 Acq On : 20 Aug 2019 23:31
 Operator : SY/VA
 Sample : K4387-13
 Misc : 3.67G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A4-(0)

Quant Time: Aug 21 01:37:36 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

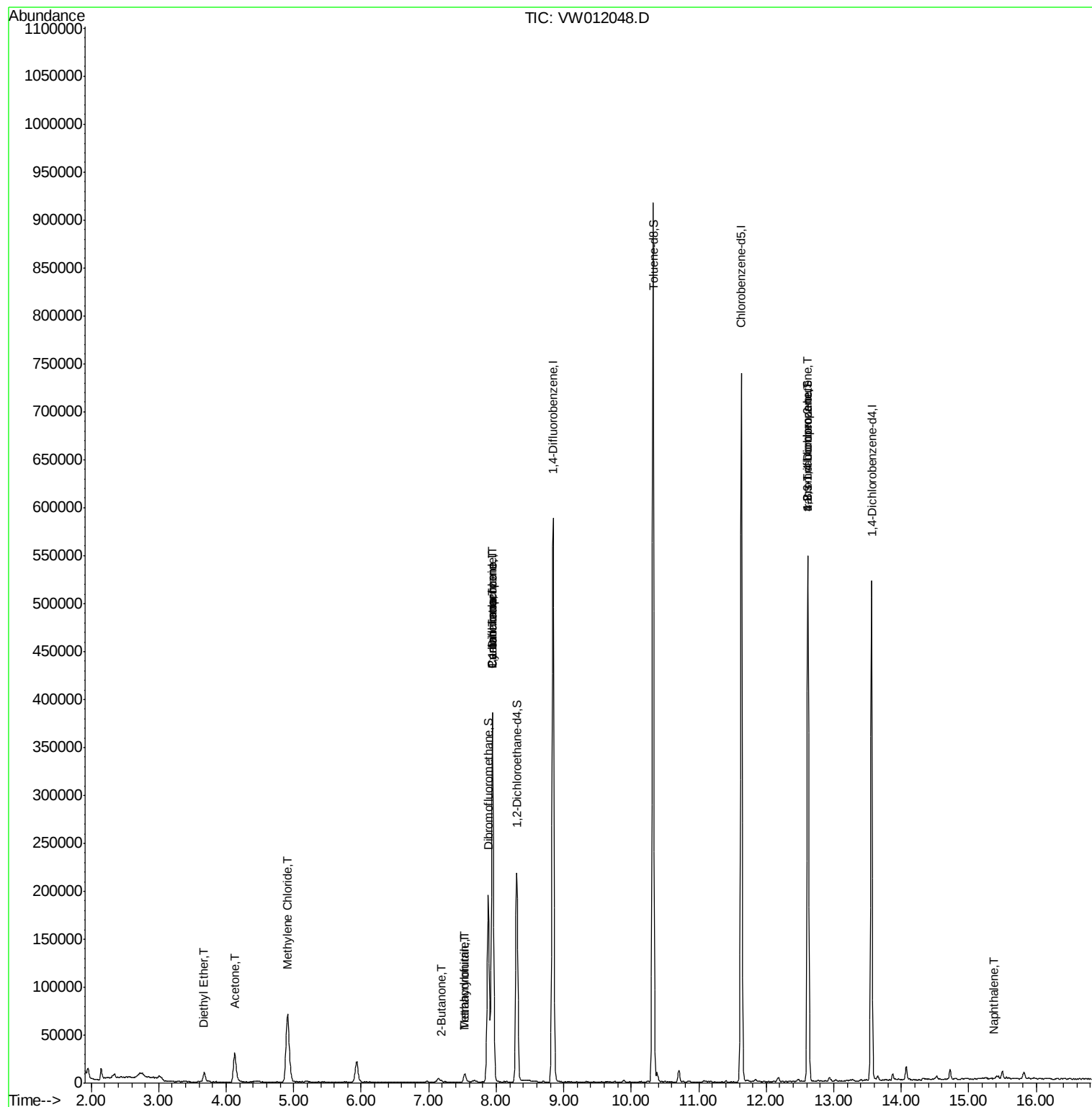
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	280611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	468683	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	392549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131495	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	176428	54.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.50%	
35) Dibromofluoromethane	7.88	113	140967	53.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.22%	
50) Toluene-d8	10.32	98	581871	54.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.62	95	176791	46.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.12%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	4991	3.017	ug/l	88
11) Tert butyl alcohol	5.18	59	206	Below Cal	#	1
16) Acetone	4.13	43	58150	56.733	ug/l	96
20) Methylene Chloride	4.91	84	53104	15.023	ug/l	96
25) 2-Butanone	7.19	43	1942	1.448	ug/l #	87
29) Tetrahydrofuran	7.54	42	8143	10.622	ug/l	98
31) Cyclohexane	7.95	56	6847	1.136	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	23713	4.866	ug/l #	52
38) Carbon Tetrachloride	7.95	117	28128	6.742	ug/l #	16
41) Methacrylonitrile	7.53	41	4677	2.790	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	93134	66.937	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	93134	154.267	ug/l #	6
95) Naphthalene	15.37	128	395	2.139	ug/l #	69

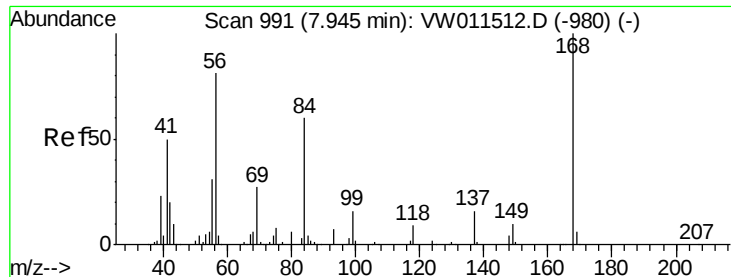
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
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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: VW012048.D

Acq: 20 Aug 2019 23:31

Instrument :

MSVOA_W

ClientSampleId :

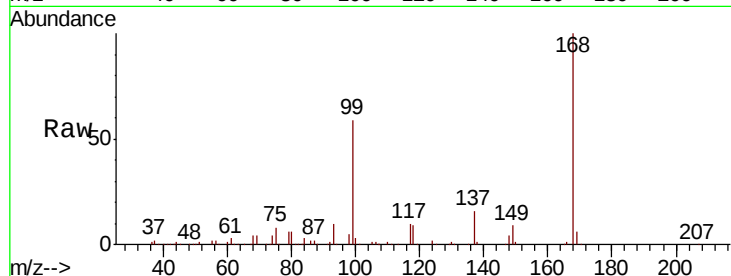
T4-A4-(0)

Tgt Ion:168 Resp: 280611

Ion Ratio Lower Upper

168 100

99 58.7 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

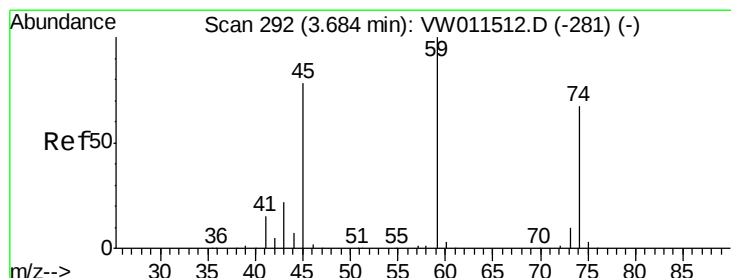
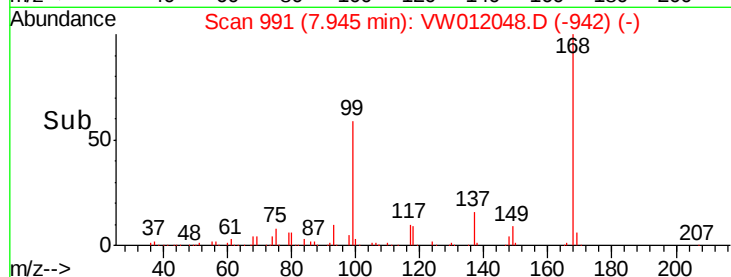
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 3.017 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012048.D

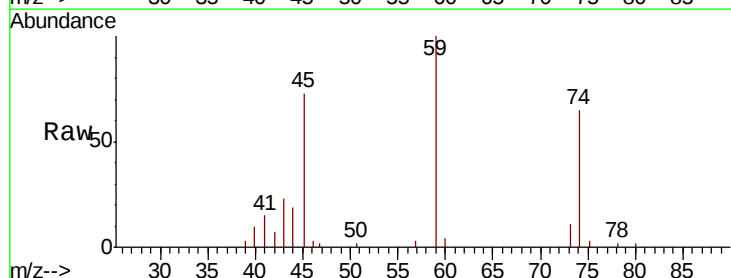
Acq: 20 Aug 2019 23:31

Tgt Ion: 74 Resp: 4991

Ion Ratio Lower Upper

74 100

45 132.1 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

3000

2500

2000

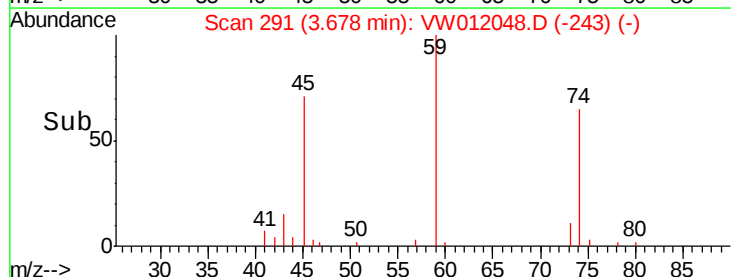
1500

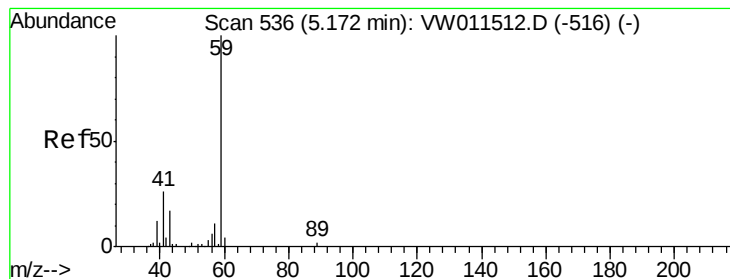
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW012048.D

Acq: 20 Aug 2019 23:31

Instrument :

MSVOA_W

ClientSampleId :

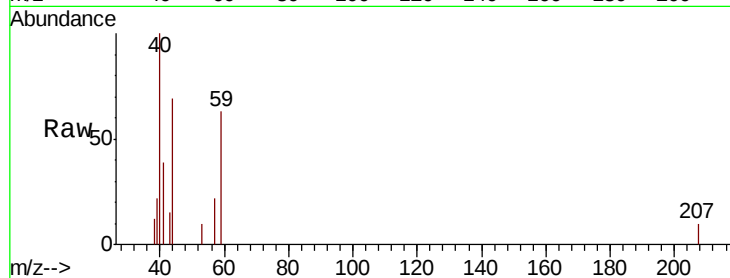
T4-A4-(0)

Tgt Ion: 59 Resp: 206

Ion Ratio Lower Upper

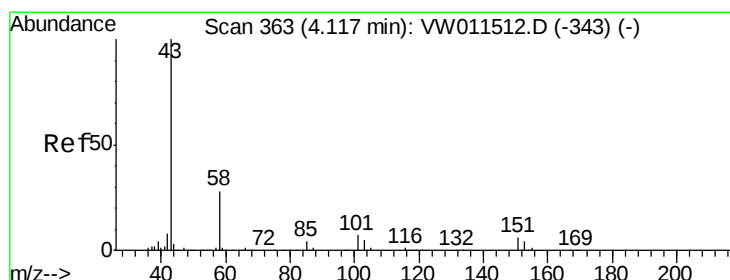
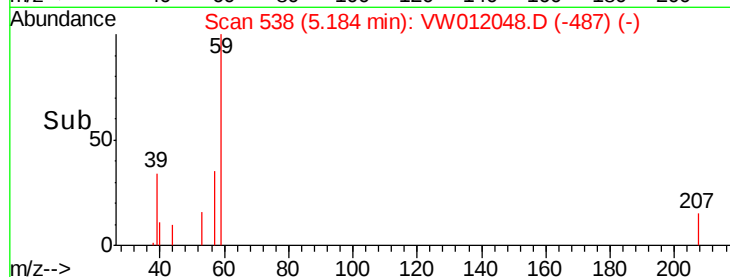
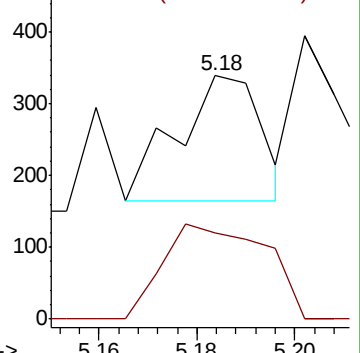
59 100

57 93.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 56.733 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012048.D

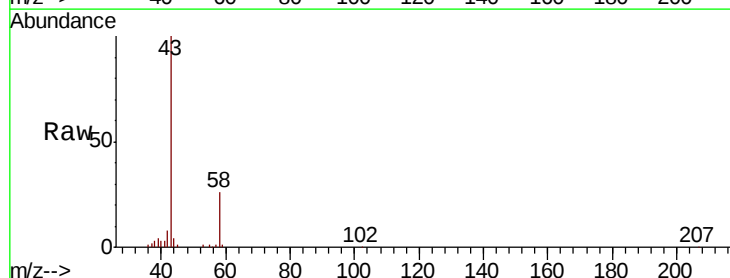
Acq: 20 Aug 2019 23:31

Tgt Ion: 43 Resp: 58150

Ion Ratio Lower Upper

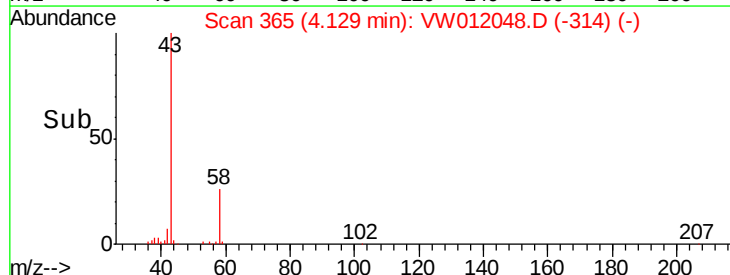
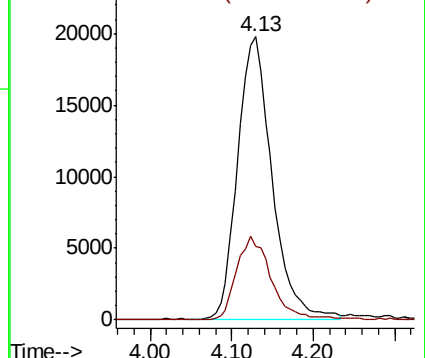
43 100

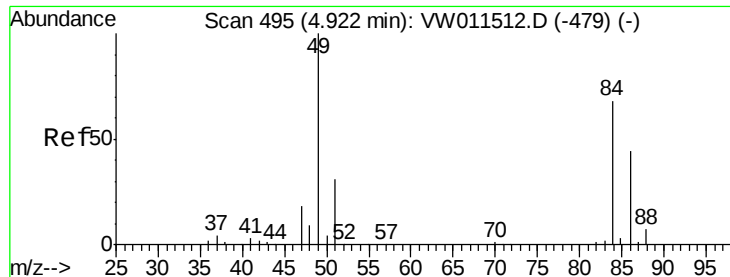
58 26.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

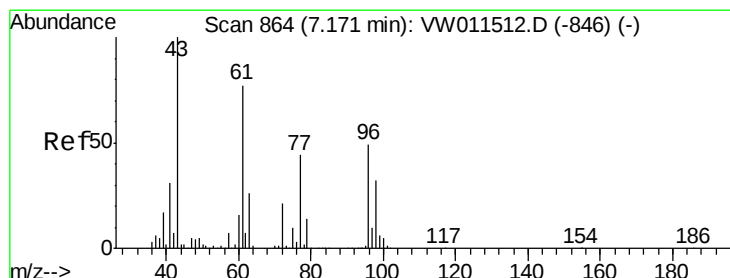
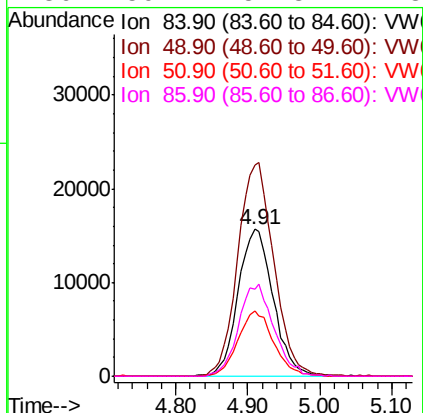
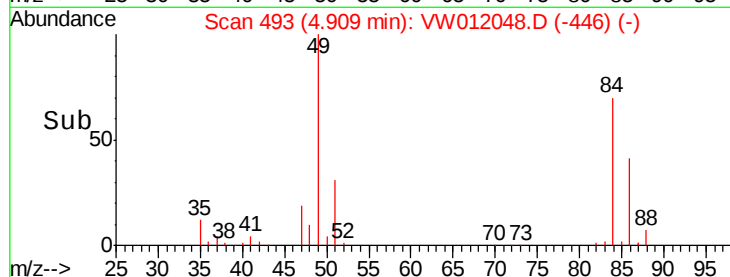
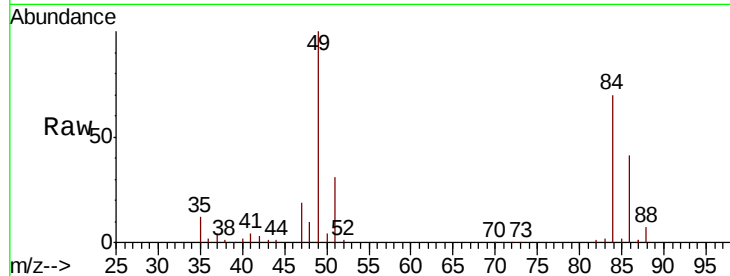




#20
Methylene Chloride
Concen: 15.023 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012048.D
Acq: 20 Aug 2019 23:31

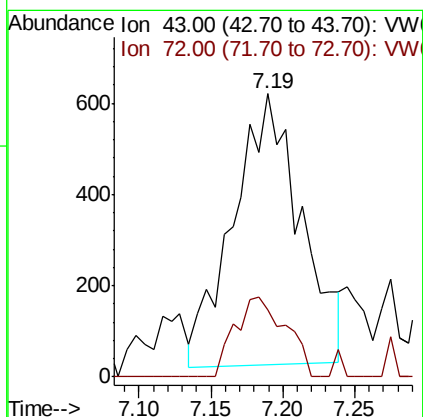
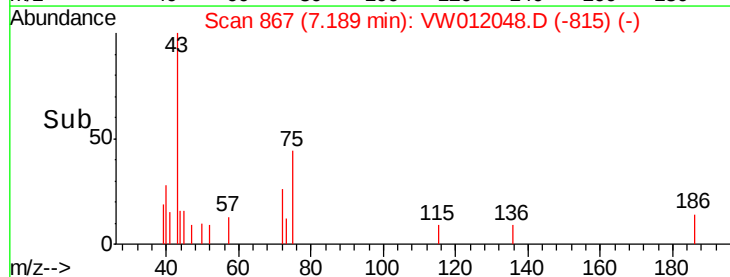
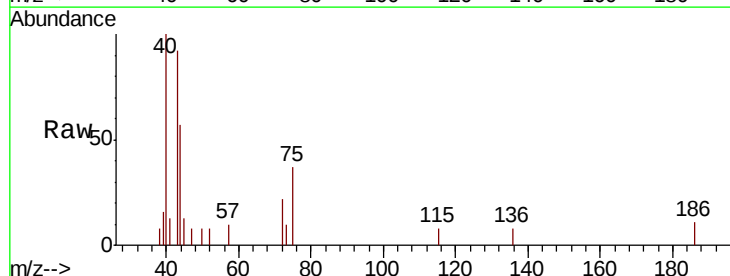
Instrument :
MSVOA_W
ClientSampleId :
T4-A4-(0)

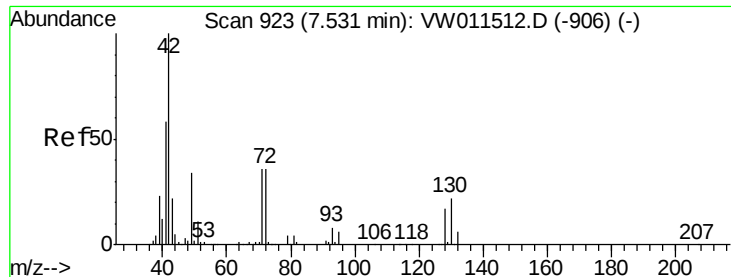
Tgt Ion: 84 Resp: 53104
Ion Ratio Lower Upper
84 100
49 143.4 117.8 176.6
51 44.4 37.0 55.4
86 59.1 51.8 77.8



#25
2-Butanone
Concen: 1.448 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012048.D
Acq: 20 Aug 2019 23:31

Tgt Ion: 43 Resp: 1942
Ion Ratio Lower Upper
43 100
72 26.9 16.6 24.8#

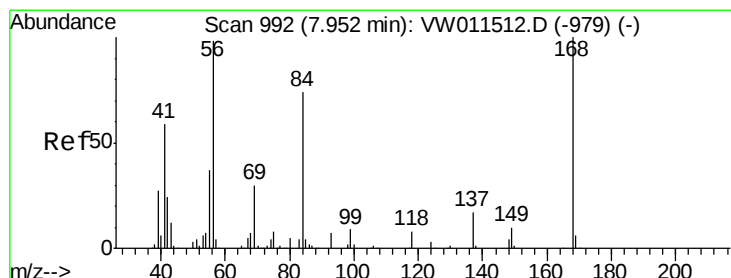
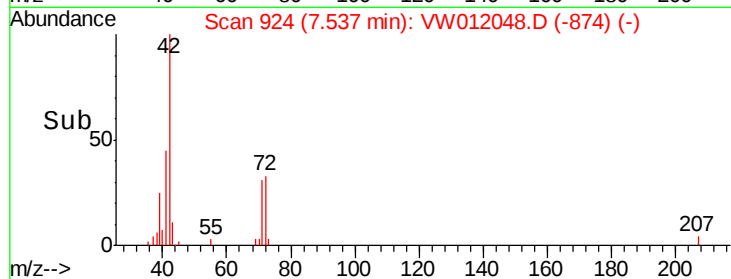
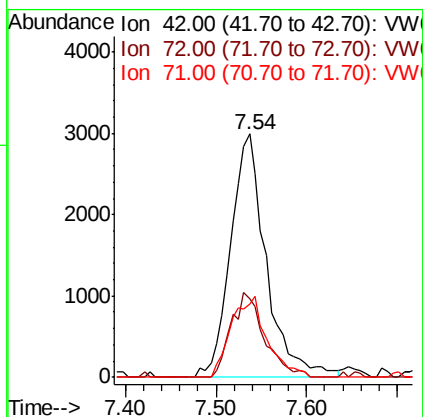
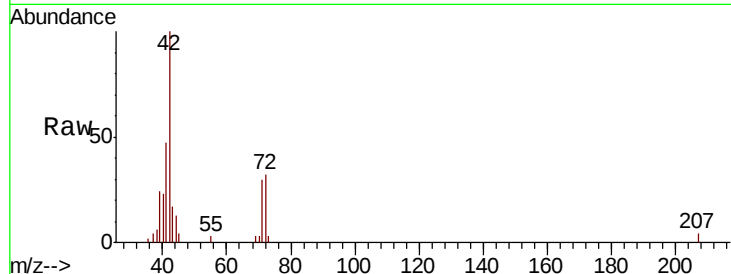




#29
Tetrahydrofuran
Concen: 10.622 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012048.D
Acq: 20 Aug 2019 23:31

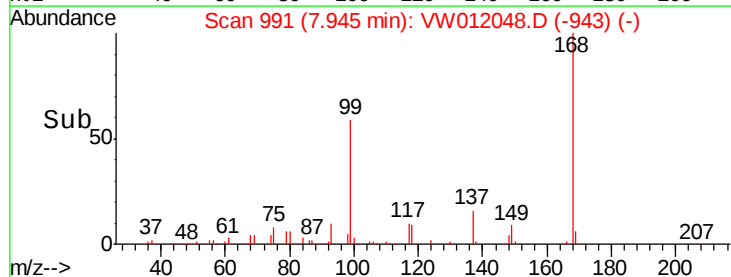
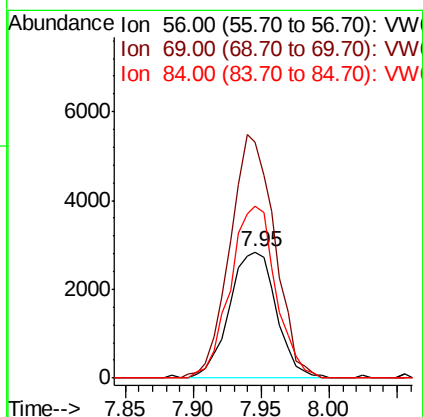
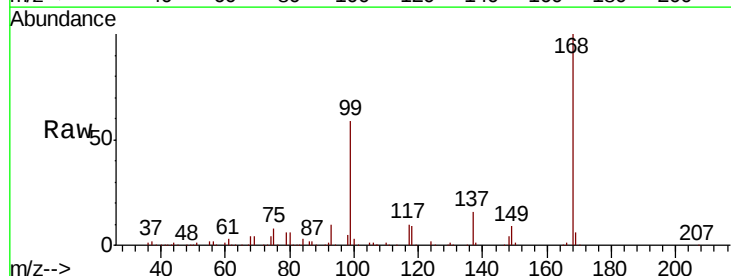
Instrument :
MSVOA_W
ClientSampleId :
T4-A4-(0)

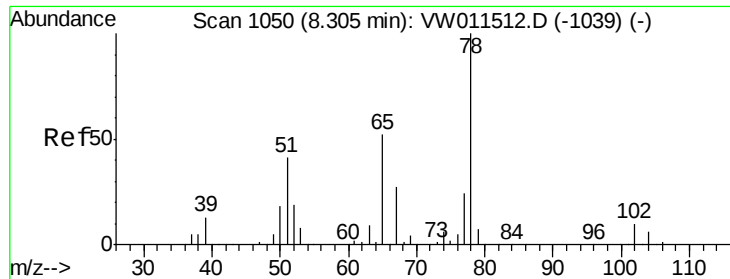
Tgt Ion: 42 Resp: 8143
Ion Ratio Lower Upper
42 100
72 32.7 27.1 40.7
71 33.7 26.2 39.4



#31
Cyclohexane
Concen: 1.136 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012048.D
Acq: 20 Aug 2019 23:31

Tgt Ion: 56 Resp: 6847
Ion Ratio Lower Upper
56 100
69 186.9 24.3 36.5#
84 136.0 60.4 90.6#

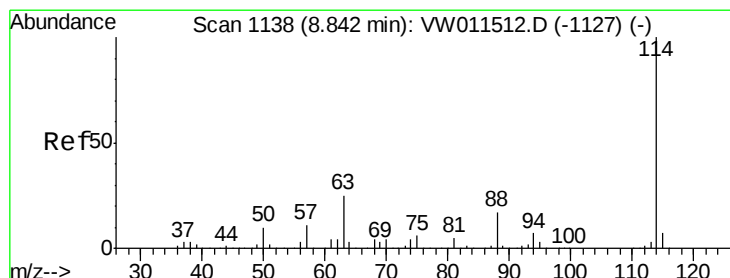
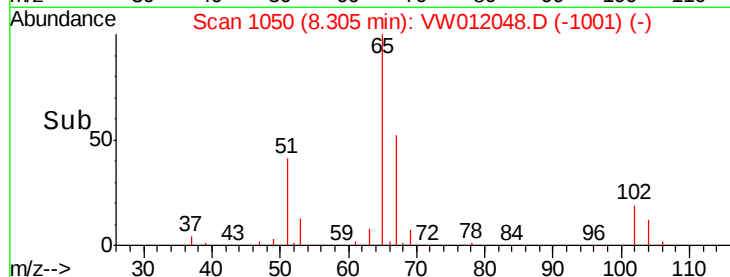
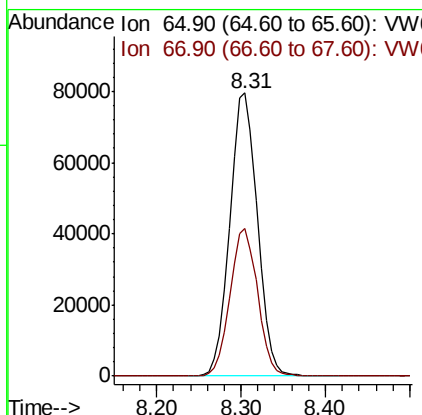
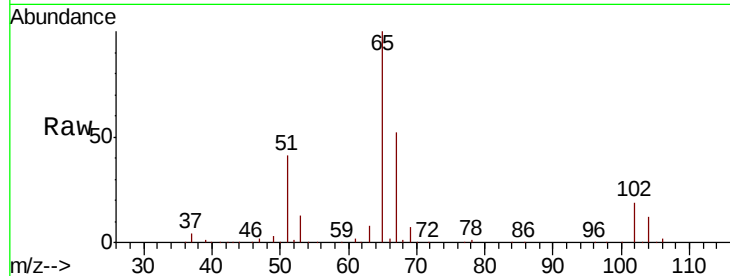




#33
 1,2-Dichloroethane-d4
 Concen: 54.754 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012048.D
 Acq: 20 Aug 2019 23:31

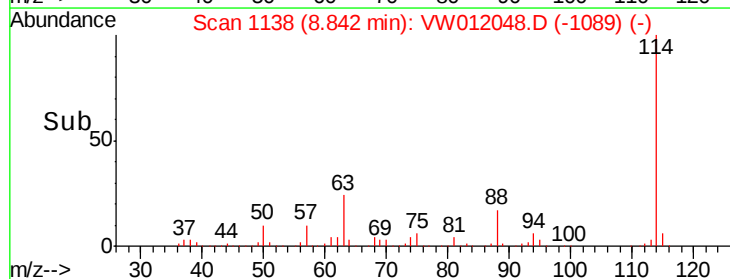
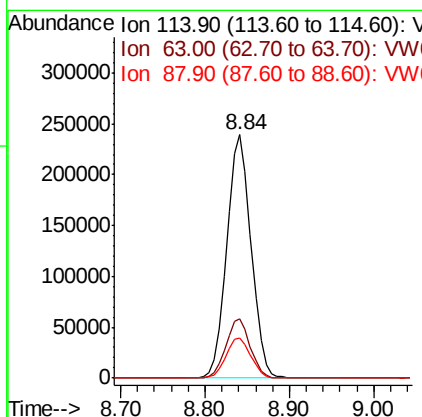
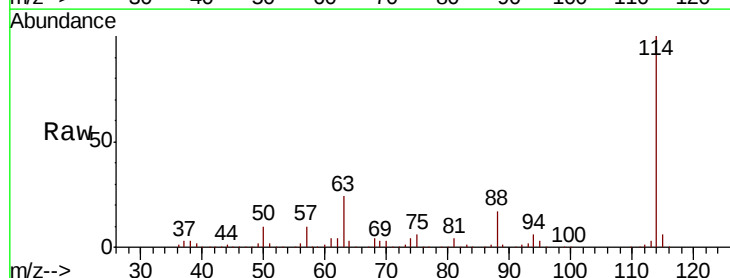
Instrument :
 MSVOA_W
 ClientSampled :
 T4-A4-(0)

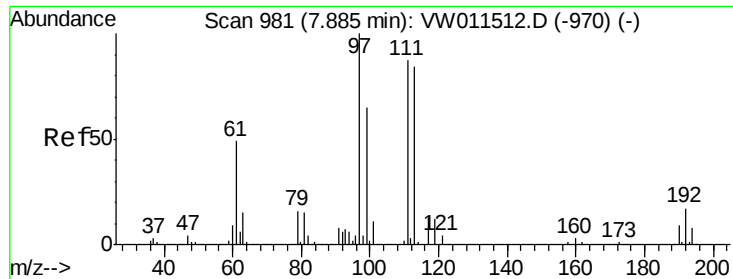
Tgt Ion: 65 Resp: 176428
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012048.D
 Acq: 20 Aug 2019 23:31

Tgt Ion: 114 Resp: 468683
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.6 0.0 33.8

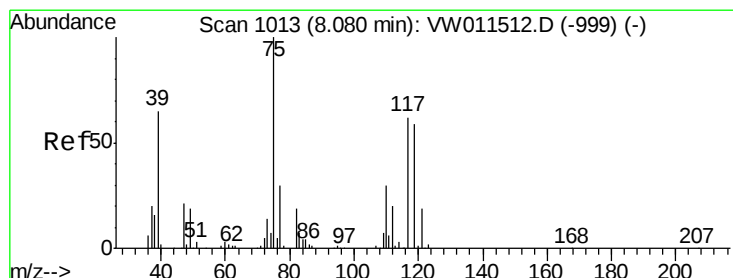
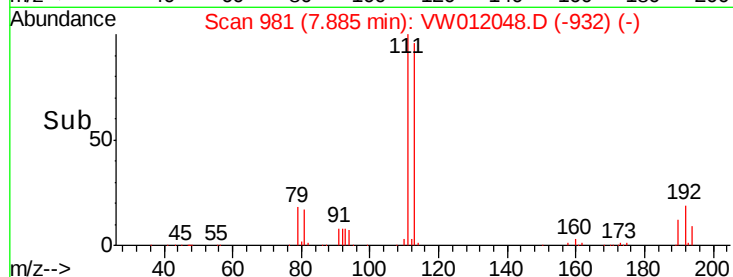
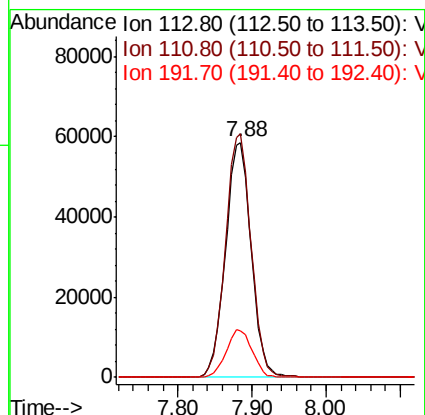
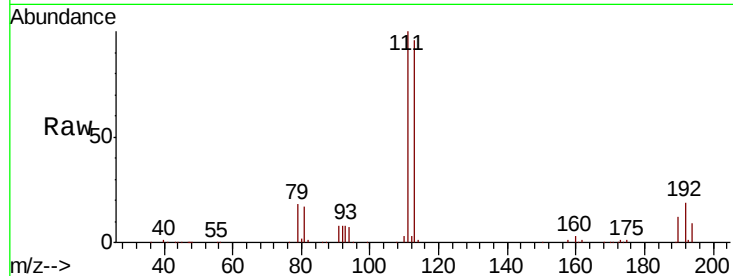




#35
 Dibromofluoromethane
 Concen: 53.612 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012048.D
 Acq: 20 Aug 2019 23:31

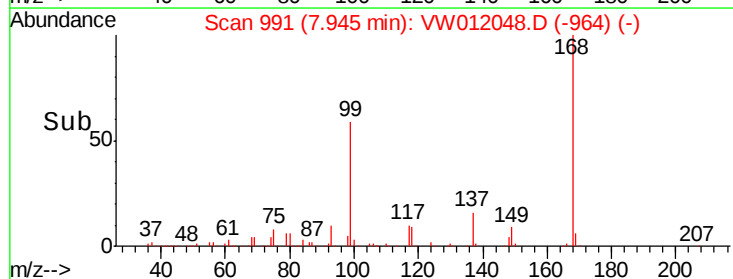
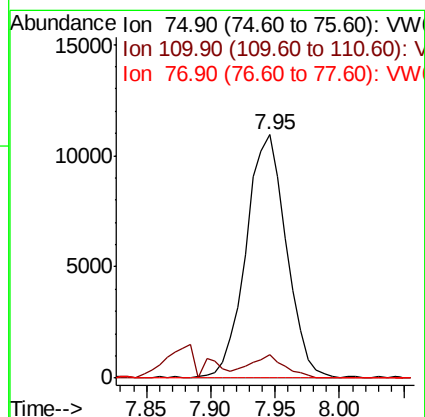
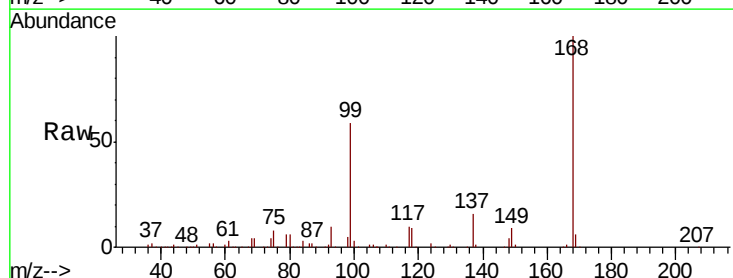
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A4-(0)

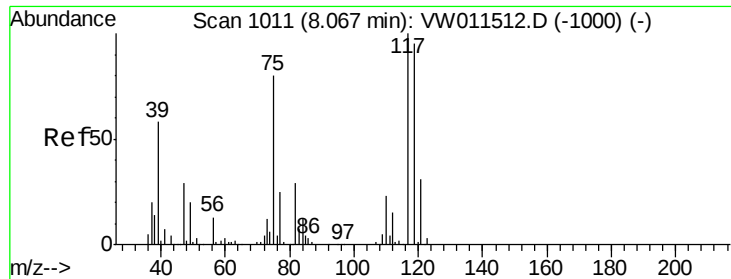
Tgt Ion	Resp	Lower	Upper
113	140967		
111	103.3	82.7	124.1
192	20.5	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.866 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012048.D
 Acq: 20 Aug 2019 23:31

Tgt Ion	Resp	Lower	Upper
75	23713		
75	100		
110	8.5	15.6	46.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 6.742 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012048.D

Acq: 20 Aug 2019 23:31

Instrument :

MSVOA_W

ClientSampled :

T4-A4-(0)

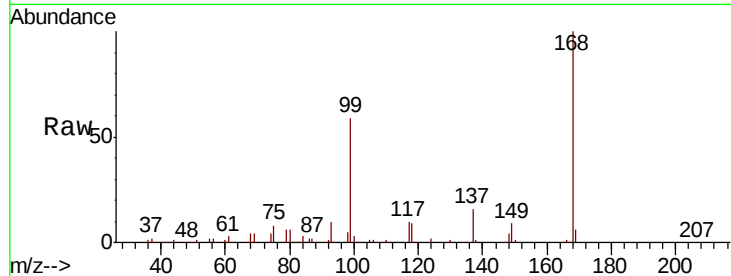
Tgt Ion:117 Resp: 28128

Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.6#

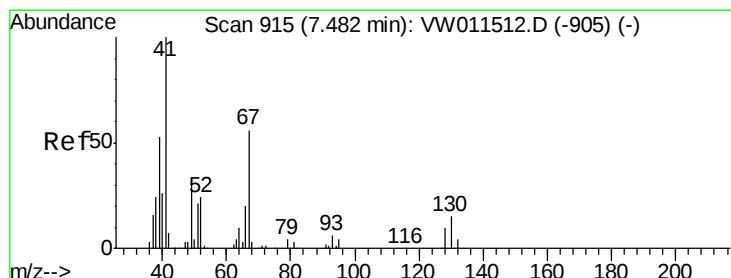
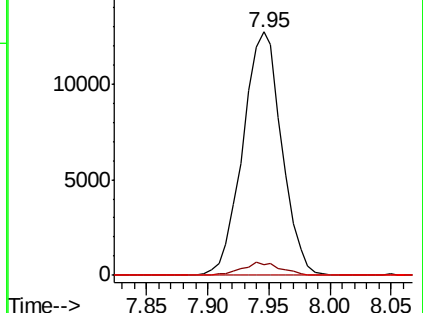
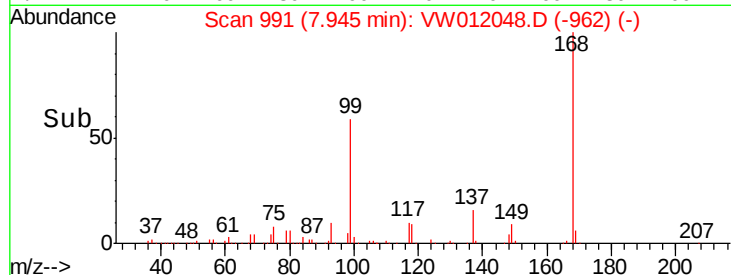
121 0.0 24.7 37.1#



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: 2.790 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012048.D

Acq: 20 Aug 2019 23:31

Tgt Ion: 41 Resp: 4677

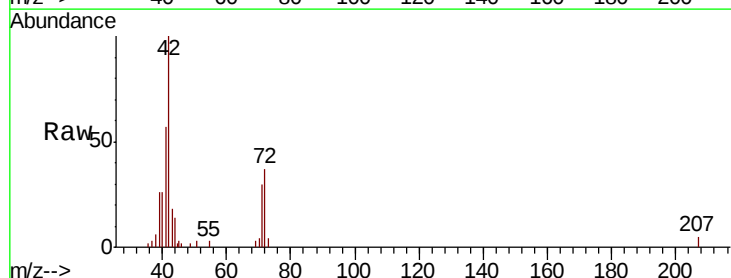
Ion Ratio Lower Upper

41 100

39 47.0 43.0 64.4

67 0.0 47.5 71.3#

52 0.0 21.0 31.6#

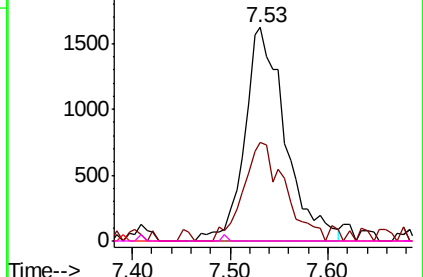
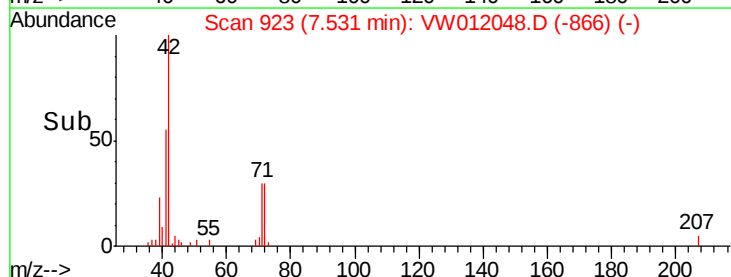


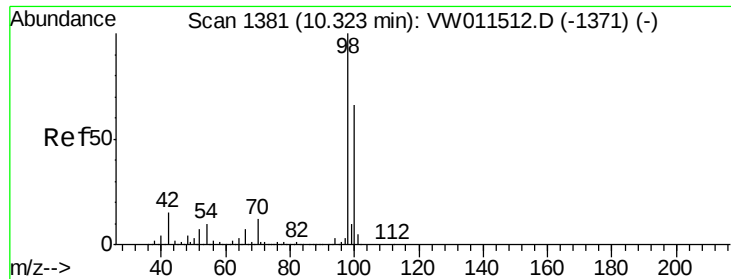
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 54.050 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012048.D

Acq: 20 Aug 2019 23:31

Instrument :

MSVOA_W

ClientSampleId :

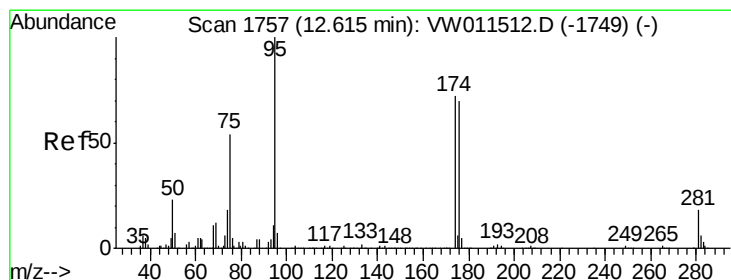
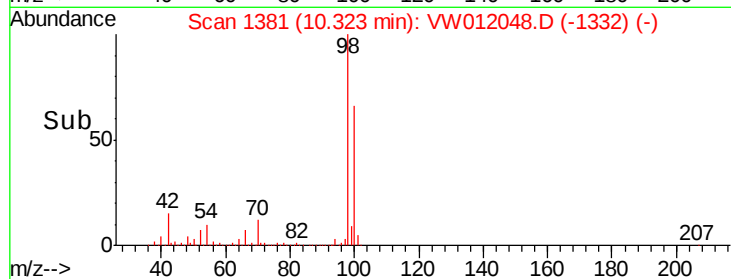
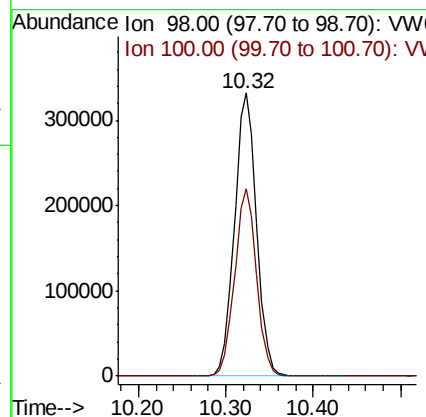
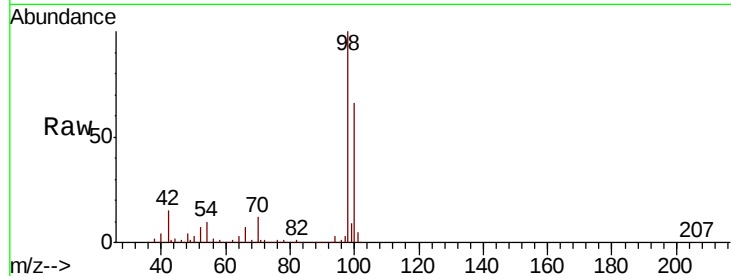
T4-A4-(0)

Tgt Ion: 98 Resp: 581871

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 46.062 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012048.D

Acq: 20 Aug 2019 23:31

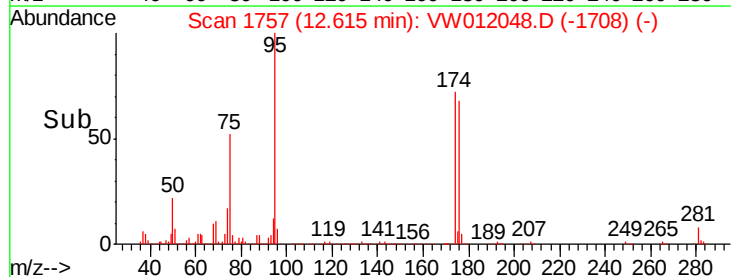
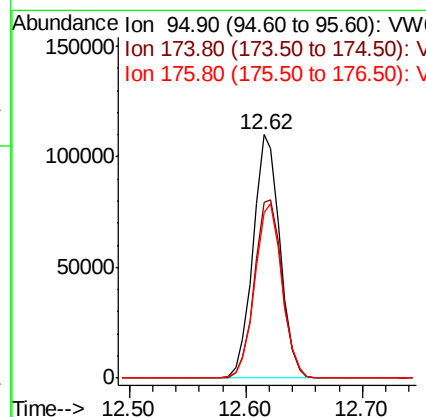
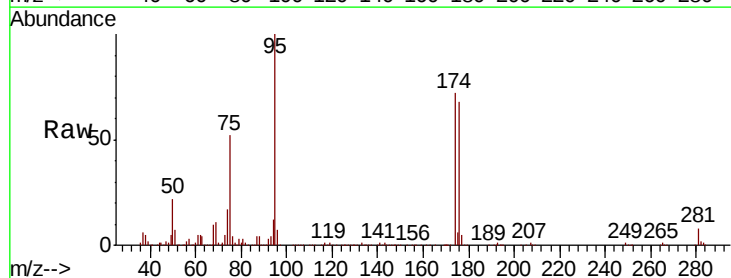
Tgt Ion: 95 Resp: 176791

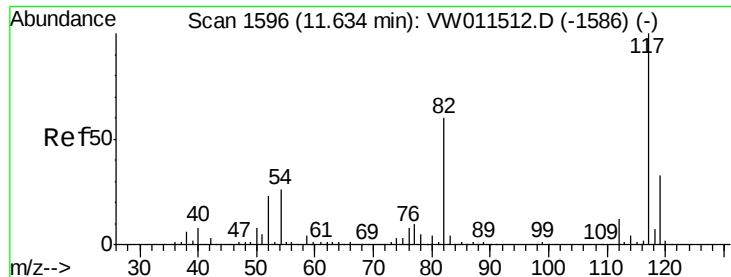
Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

176 72.6 0.0 144.4

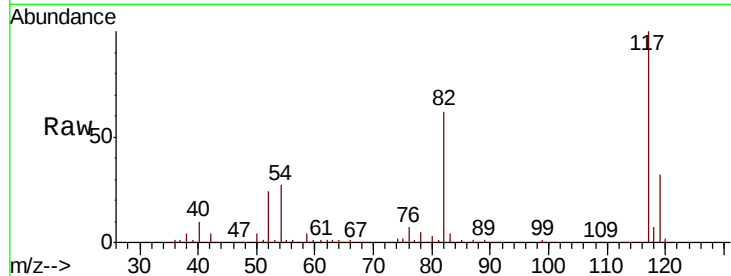




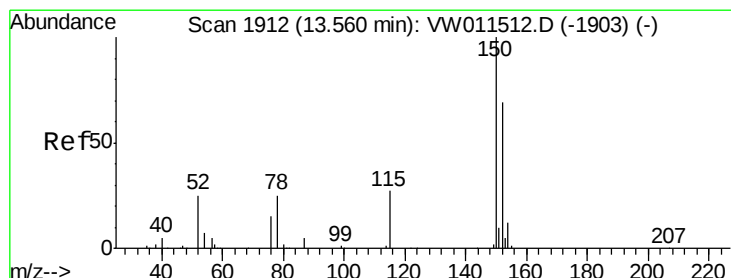
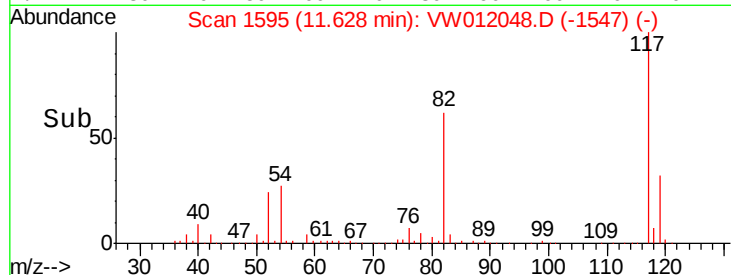
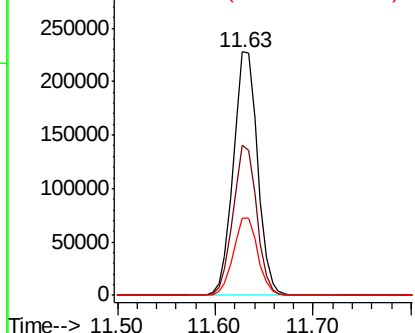
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012048.D
Acq: 20 Aug 2019 23:31

Instrument :
MSVOA_W
ClientSampleId :
T4-A4-(0)

Tgt Ion:117 Resp: 392549
Ion Ratio Lower Upper
117 100
82 61.6 47.9 71.9
119 31.8 26.2 39.2

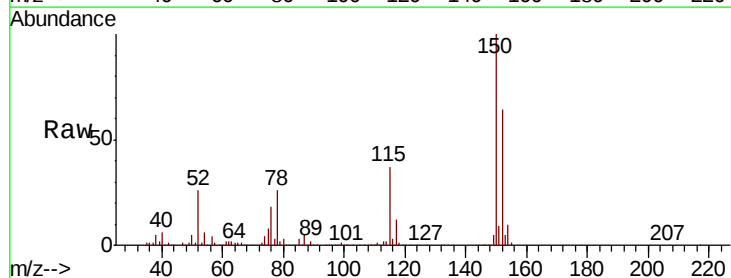


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

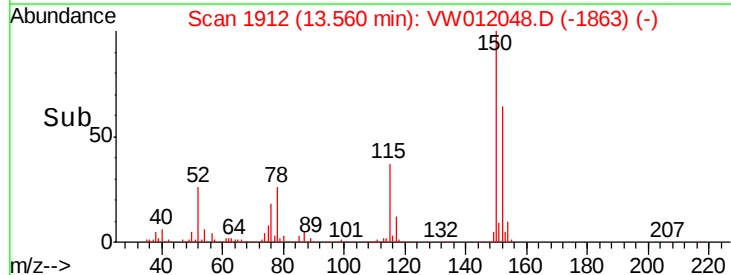
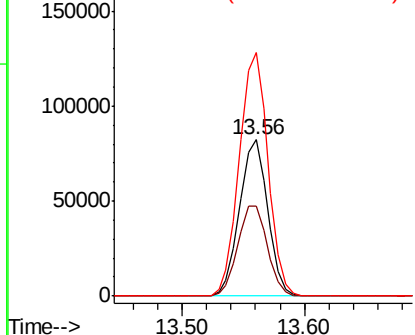


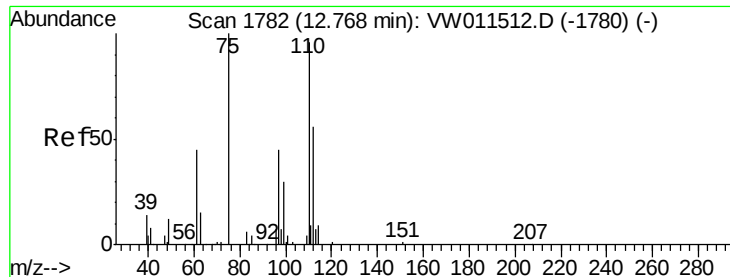
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012048.D
Acq: 20 Aug 2019 23:31

Tgt Ion:152 Resp: 131495
Ion Ratio Lower Upper
152 100
115 60.7 30.5 91.5
150 158.3 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: 66.937 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012048.D

Acq: 20 Aug 2019 23:31

Instrument :

MSVOA_W

ClientSampleId :

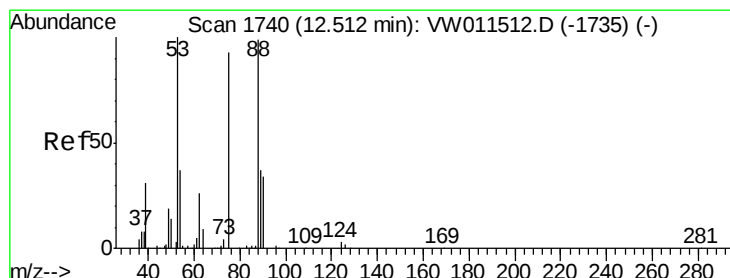
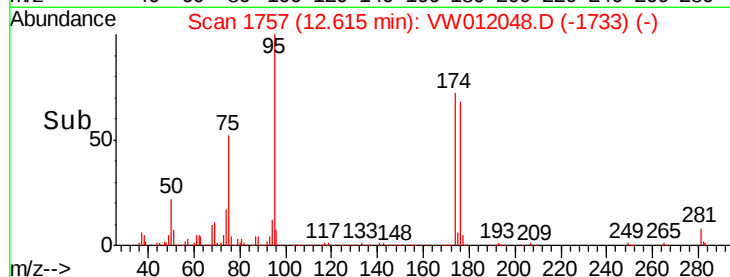
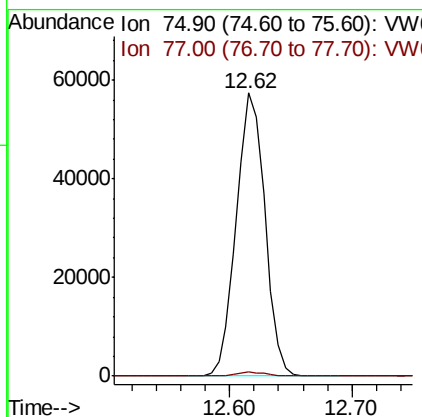
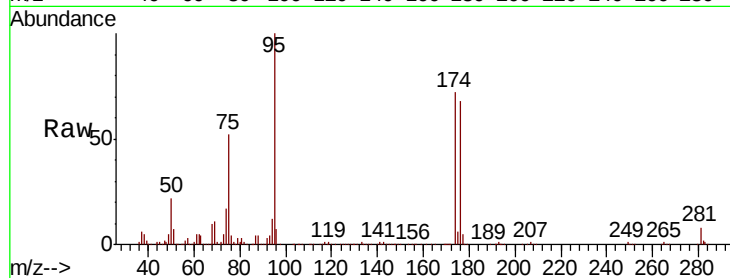
T4-A4-(0)

Tgt Ion: 75 Resp: 93134

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.267 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012048.D

Acq: 20 Aug 2019 23:31

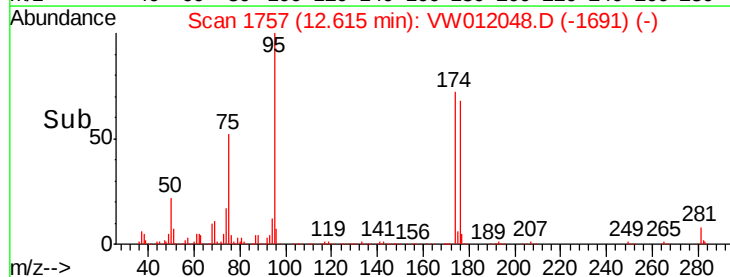
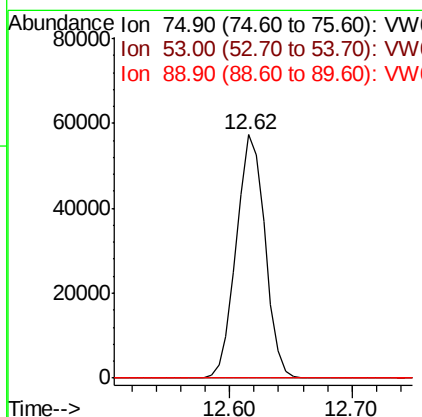
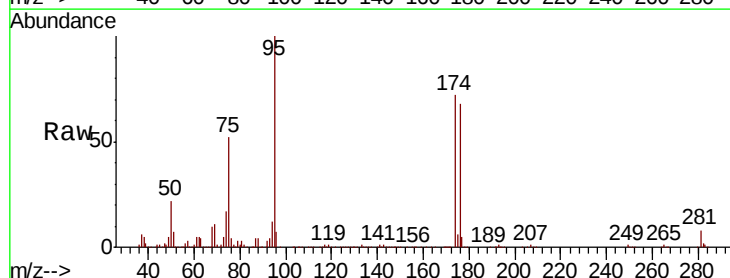
Tgt Ion: 75 Resp: 93134

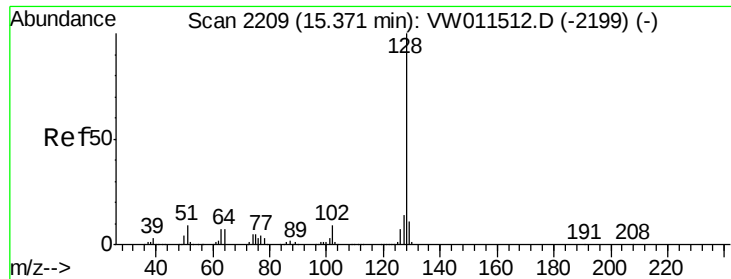
Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.2 35.3 52.9#

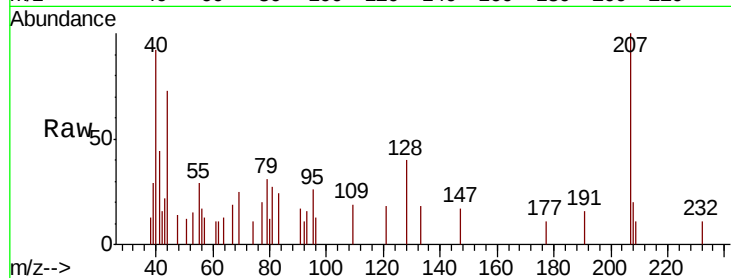




#95
 Naphthalene
 Concen: 2.139 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW012048.D
 Acq: 20 Aug 2019 23:31

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A4-(0)

Tgt 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

