

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012047.D
 Acq On : 20 Aug 2019 23:05
 Operator : SY/VA
 Sample : K4387-12
 Misc : 4.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A3-(0)

Quant Time: Aug 21 01:37:25 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	286846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	479098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	136839	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	175623	53.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.64%	
35) Dibromofluoromethane	7.88	113	143794	53.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.00%	
50) Toluene-d8	10.32	98	589644	53.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.62	95	178004	45.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.74%	

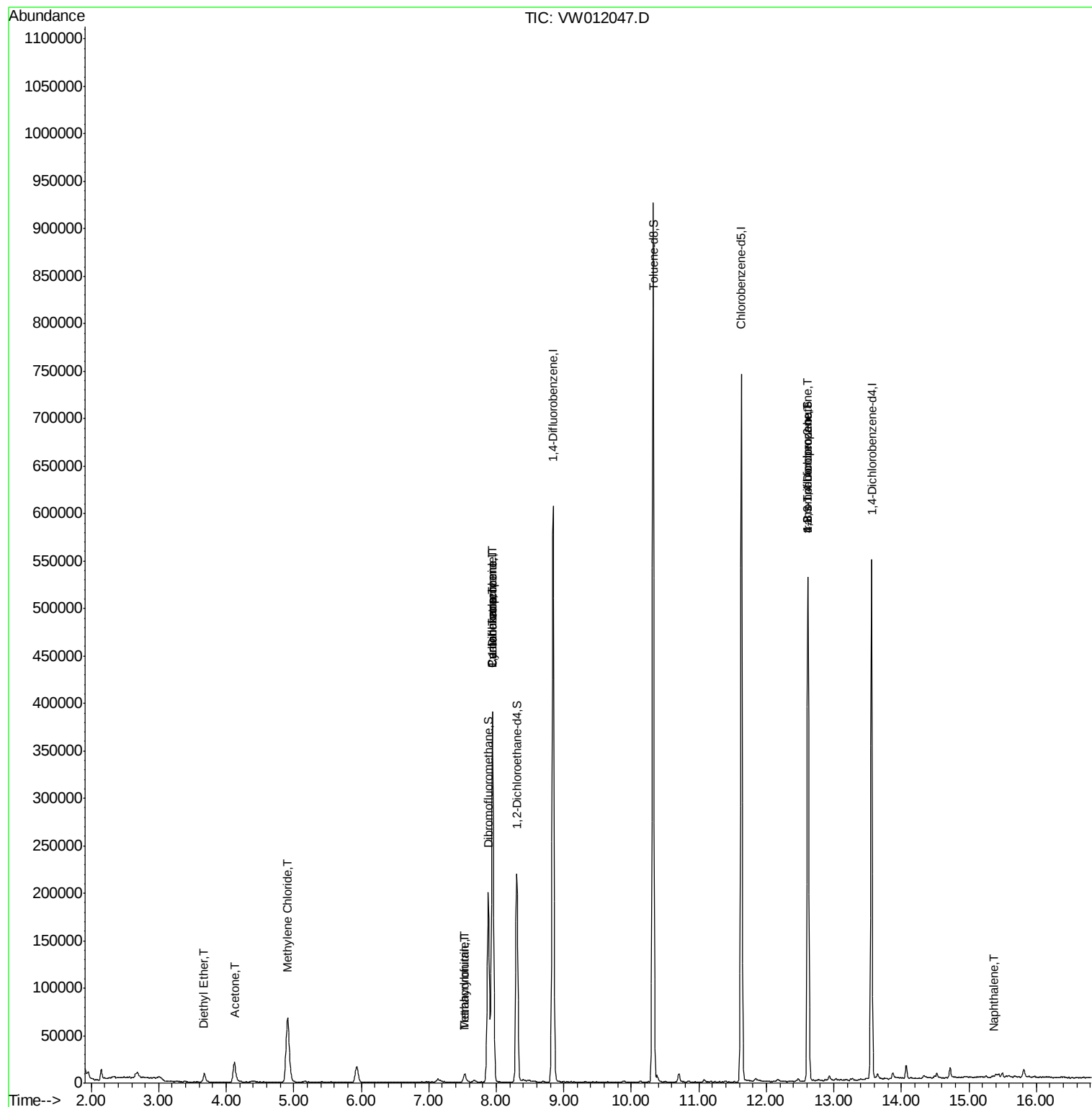
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	4422	2.615	ug/l	91
11) Tert butyl alcohol	5.15	59	297	Below Cal	#	31
16) Acetone	4.12	43	38745	36.979	ug/l	97
20) Methylene Chloride	4.91	84	51998	14.390	ug/l	97
29) Tetrahydrofuran	7.53	42	7977	10.179	ug/l	97
31) Cyclohexane	7.95	56	7144	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24069	4.831	ug/l #	53
38) Carbon Tetrachloride	7.95	117	27309	6.403	ug/l #	16
41) Methacrylonitrile	7.54	41	4659	2.719	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	94368	65.175	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	94368	150.206	ug/l #	6
95) Naphthalene	15.37	128	519	2.158	ug/l #	69

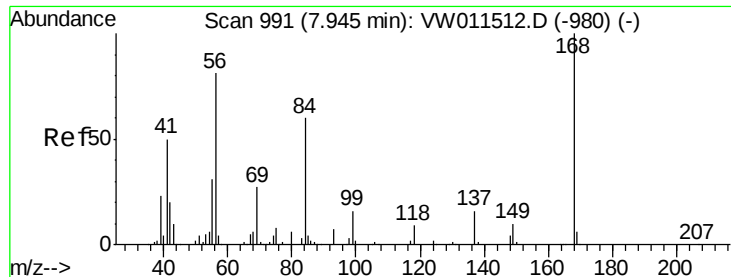
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012047.D

Acq: 20 Aug 2019 23:05

Instrument :

MSVOA_W

ClientSampleId :

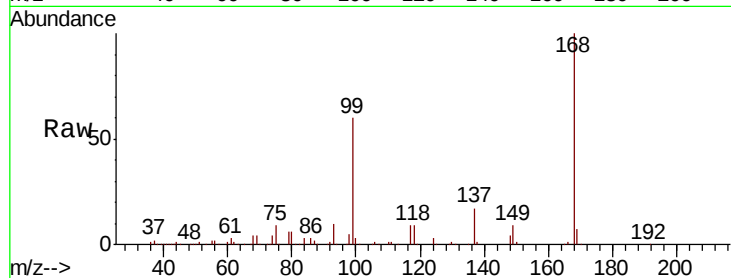
T4-A3-(0)

Tgt Ion:168 Resp: 286846

Ion Ratio Lower Upper

168 100

99 59.6 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

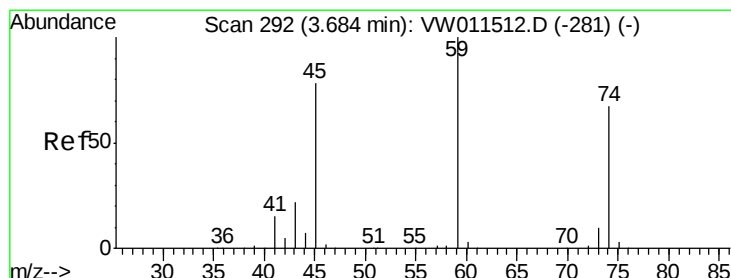
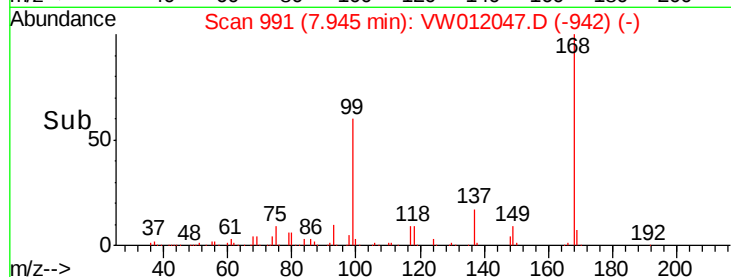
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.615 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012047.D

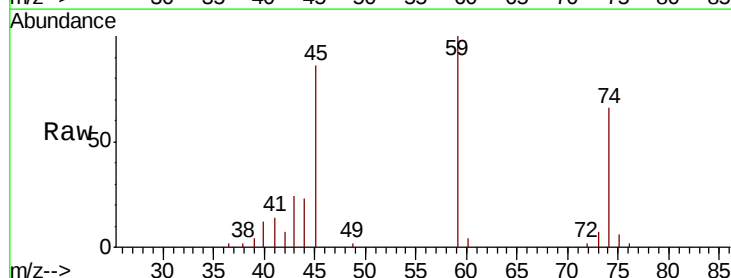
Acq: 20 Aug 2019 23:05

Tgt Ion: 74 Resp: 4422

Ion Ratio Lower Upper

74 100

45 129.0 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

2500

2000

1500

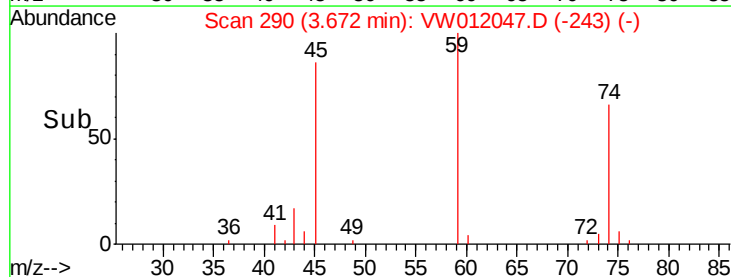
1000

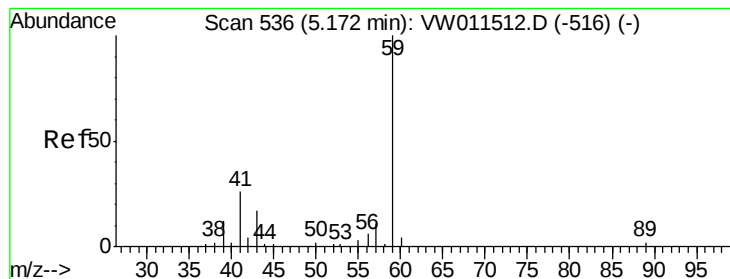
500

0

Time-->

3.60 3.65 3.70 3.75



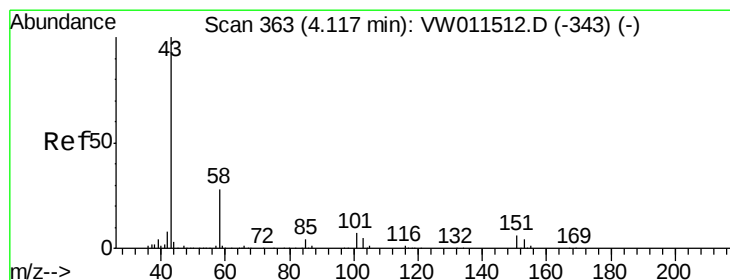
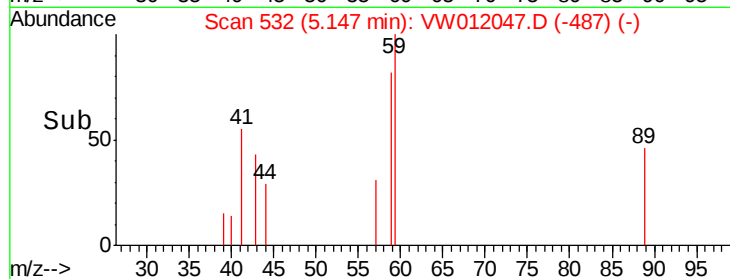
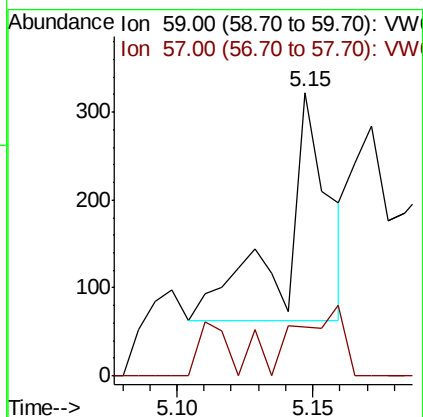
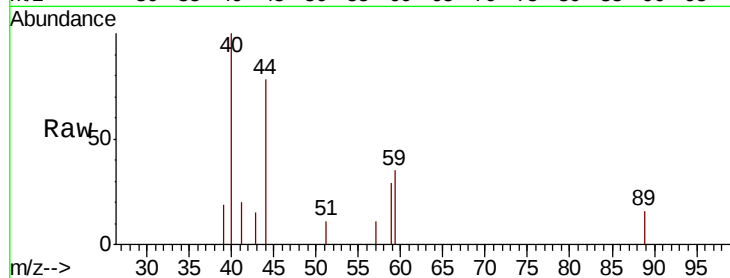


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.15 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VW012047.D
 Acq: 20 Aug 2019 23:05

Instrument :
 MSVOA_W
 ClientSampled :
 T4-A3-(0)

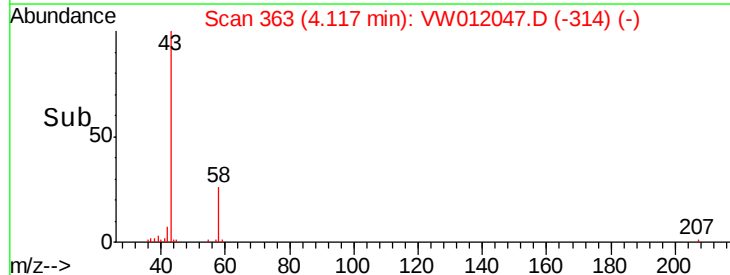
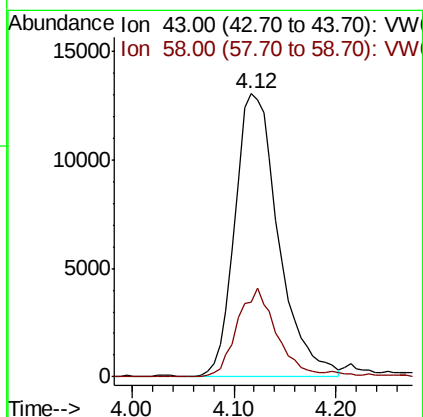
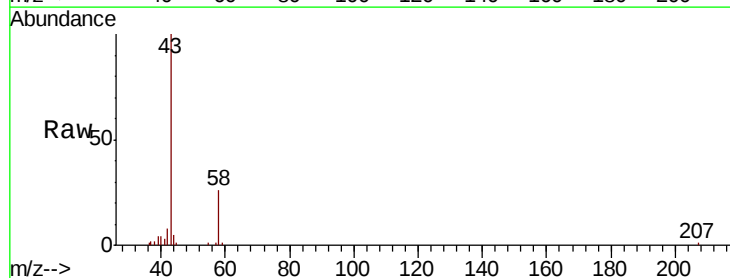
Tgt Ion: 59 Resp: 297
 Ion Ratio Lower Upper
 59 100
 57 36.7 8.5 12.7#

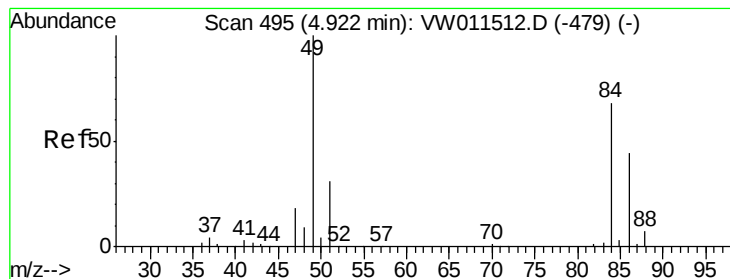


#16

Acetone
 Concen: 36.979 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW012047.D
 Acq: 20 Aug 2019 23:05

Tgt Ion: 43 Resp: 38745
 Ion Ratio Lower Upper
 43 100
 58 26.2 22.3 33.5





#20

Methylene Chloride

Concen: 14.390 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012047.D

Acq: 20 Aug 2019 23:05

Instrument :

MSVOA_W

ClientSampleId :

T4-A3-(0)

Tgt Ion: 84 Resp: 51998

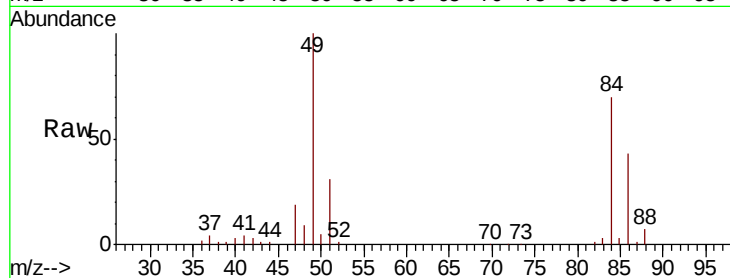
Ion Ratio Lower Upper

84 100

49 143.5 117.8 176.6

51 44.8 37.0 55.4

86 62.2 51.8 77.8

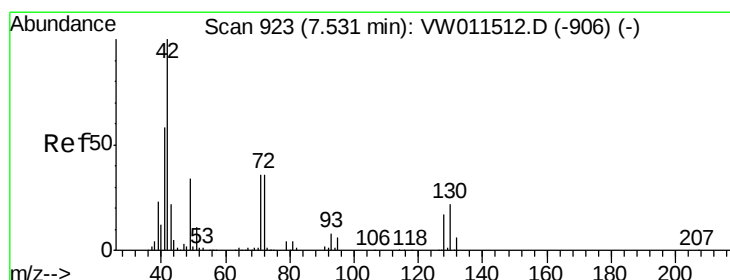
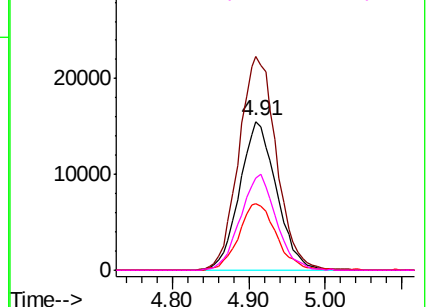
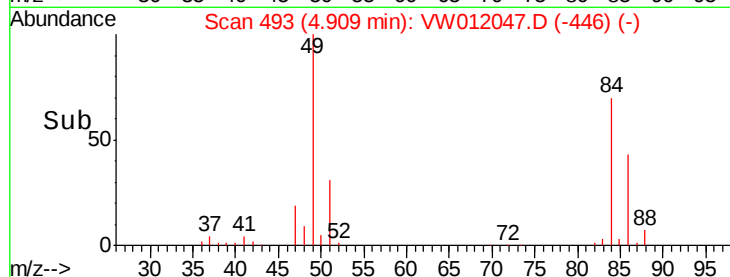


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 10.179 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012047.D

Acq: 20 Aug 2019 23:05

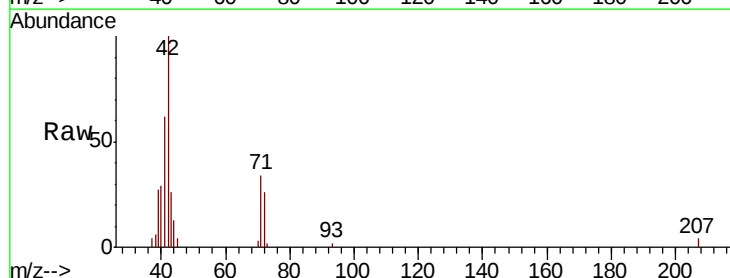
Tgt Ion: 42 Resp: 7977

Ion Ratio Lower Upper

42 100

72 30.7 27.1 40.7

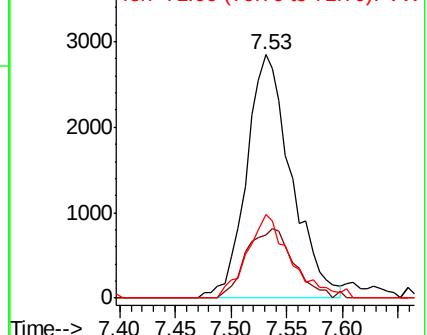
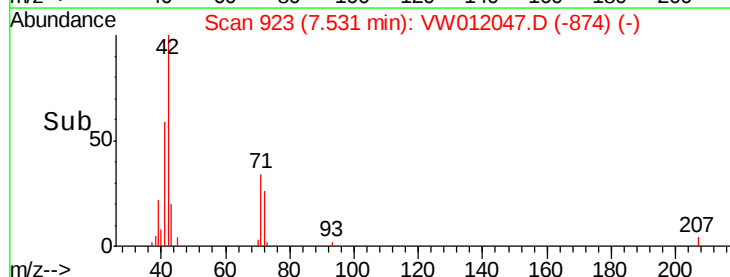
71 33.1 26.2 39.4

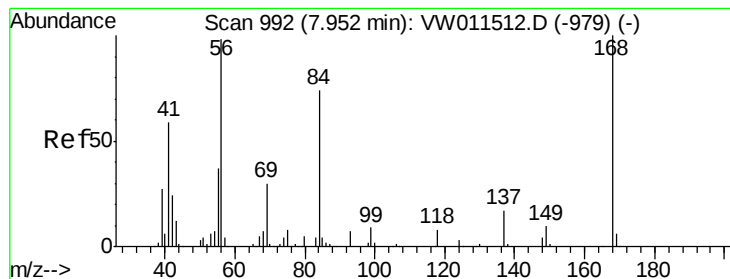


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.160 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012047.D

Acq: 20 Aug 2019 23:05

Instrument :
MSVOA_W
ClientSampleId :
T4-A3-(0)

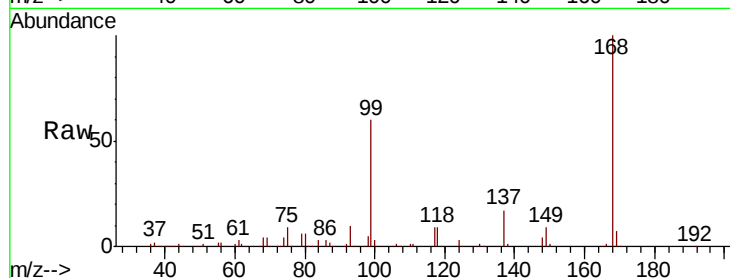
Tgt Ion: 56 Resp: 7144

Ion Ratio Lower Upper

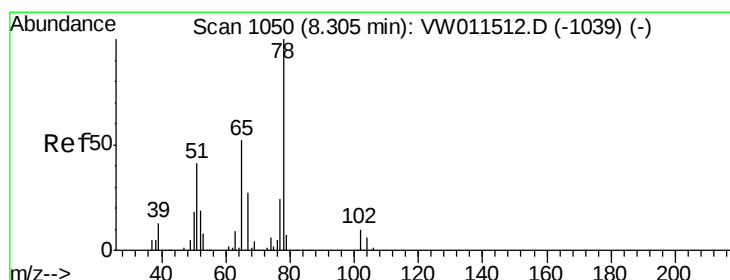
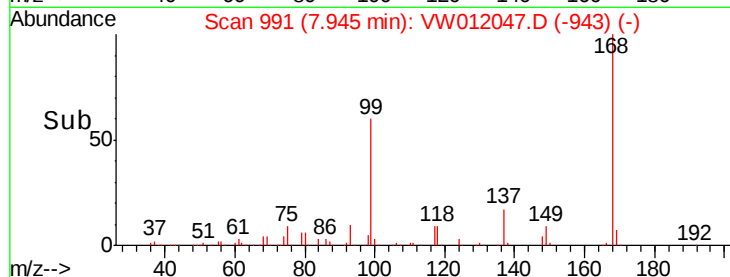
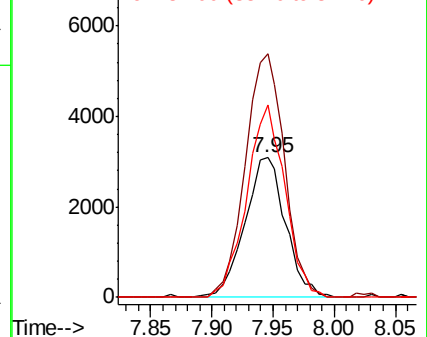
56 100

69 174.7 24.3 36.5#

84 138.2 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: 53.319 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012047.D

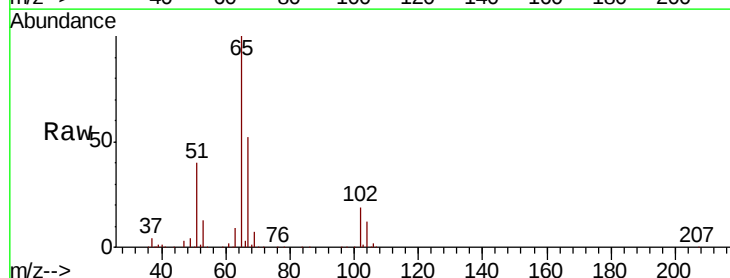
Acq: 20 Aug 2019 23:05

Tgt Ion: 65 Resp: 175623

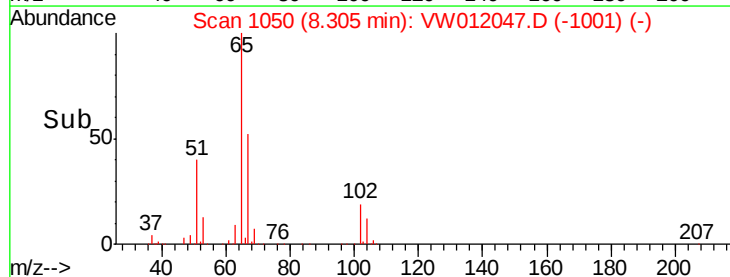
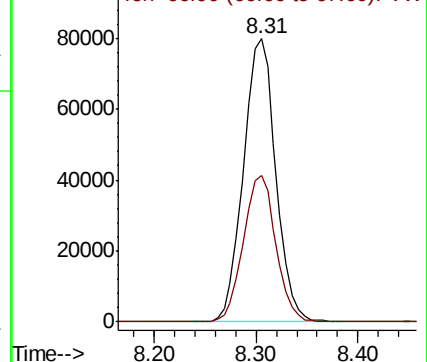
Ion Ratio Lower Upper

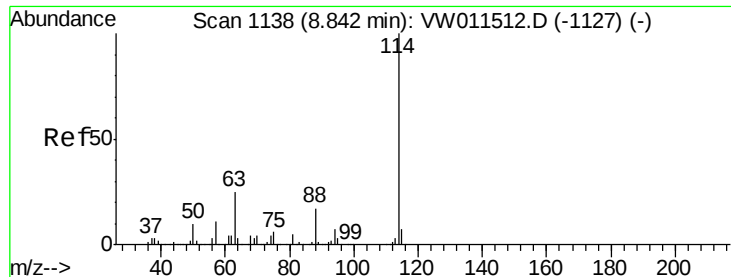
65 100

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

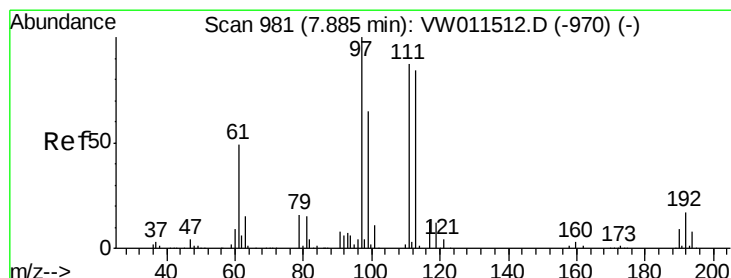
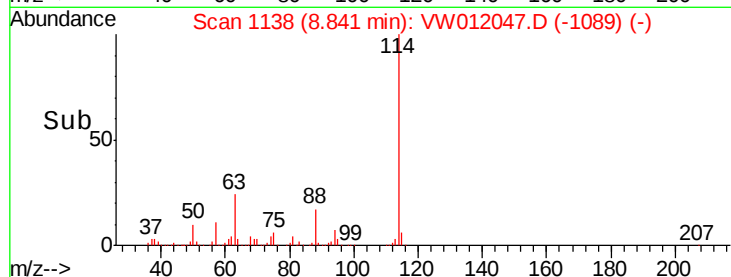
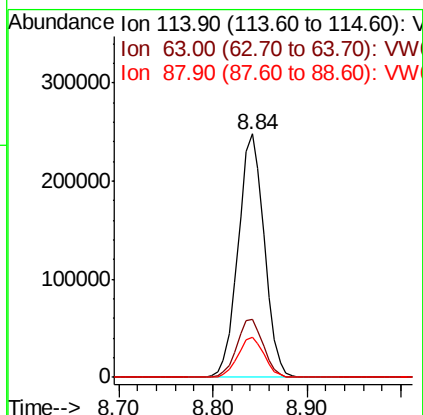
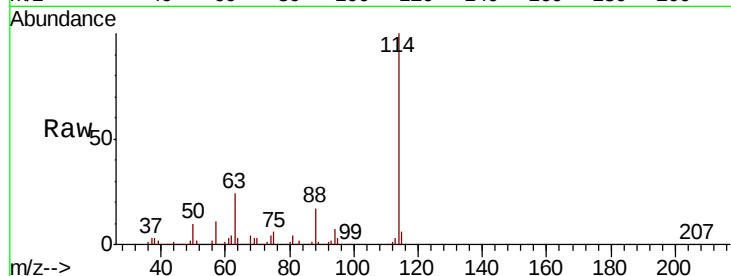




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012047.D
 Acq: 20 Aug 2019 23:05

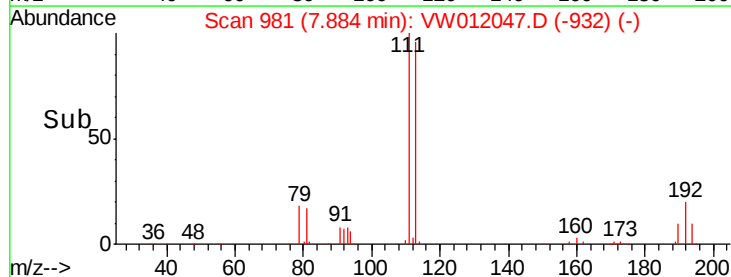
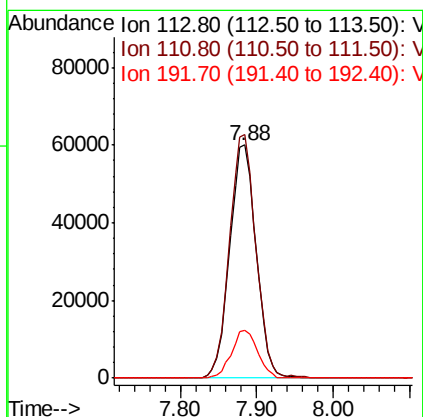
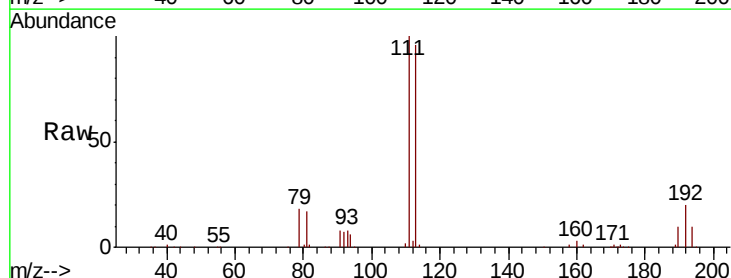
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A3-(0)

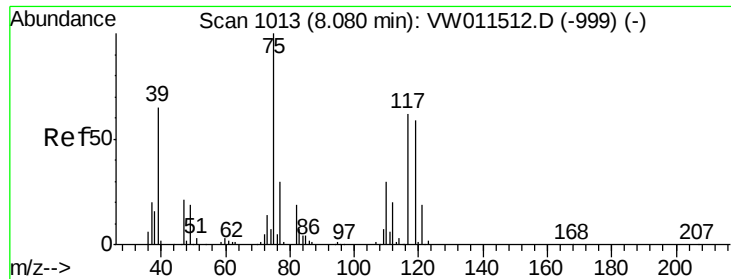
Tgt Ion:114 Resp: 479098
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 49.2
 88 16.5 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 53.498 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012047.D
 Acq: 20 Aug 2019 23:05

Tgt Ion:113 Resp: 143794
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.7 124.1
 192 20.3 16.1 24.1

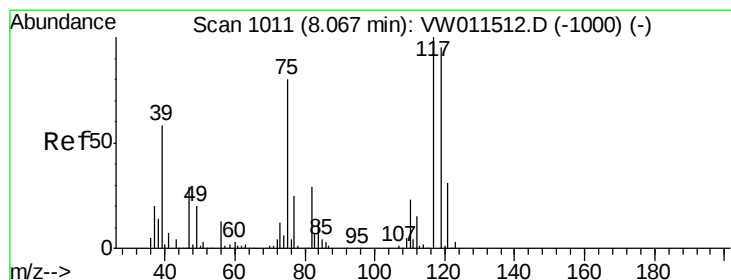
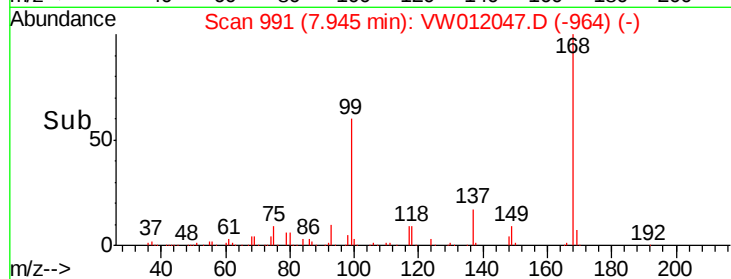
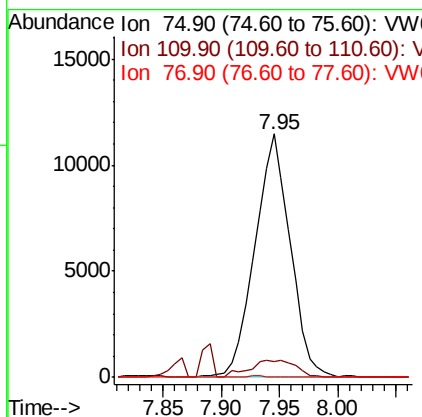
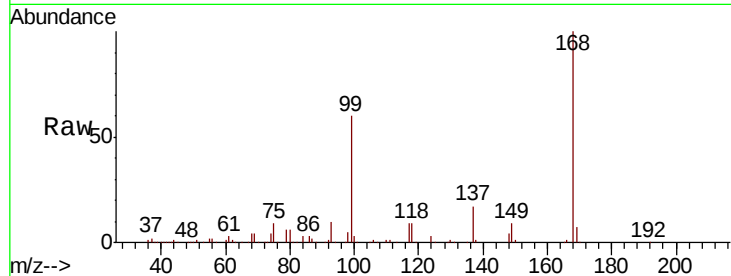




#36
 1,1-Dichloropropene
 Concen: 4.831 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012047.D
 Acq: 20 Aug 2019 23:05

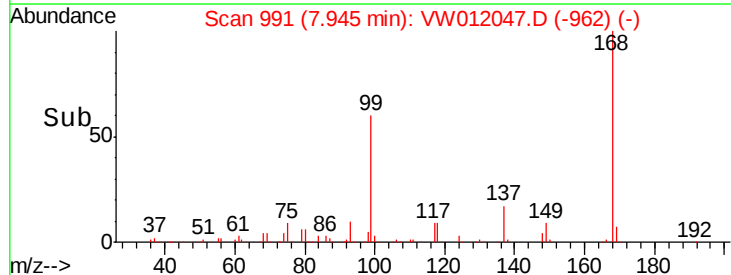
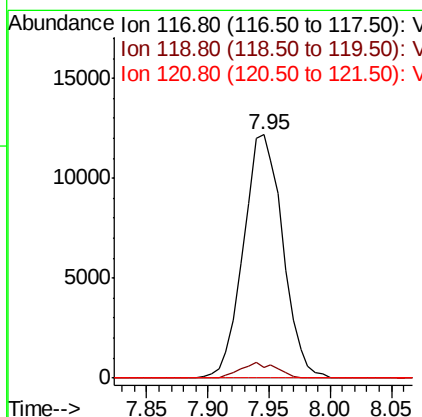
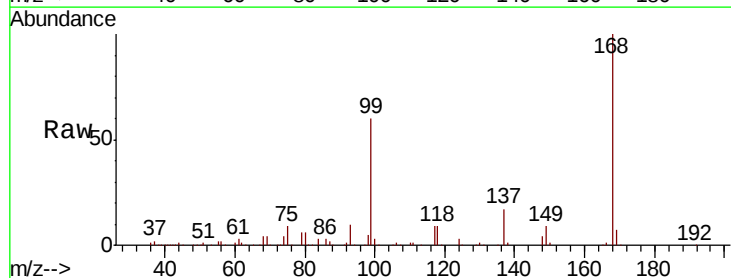
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A3-(0)

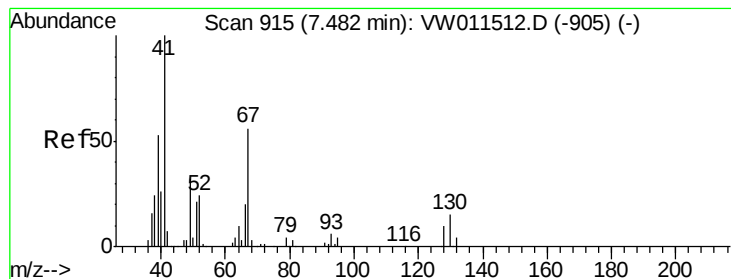
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	15.6	46.8#
77	0.2	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.403 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012047.D
 Acq: 20 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.8	113.6#
121	0.0	24.7	37.1#





#41

Methacrylonitrile

Concen: 2.719 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012047.D

Acq: 20 Aug 2019 23:05

Instrument :

MSVOA_W

ClientSampleId :

T4-A3-(0)

Tgt Ion: 41 Resp: 4659

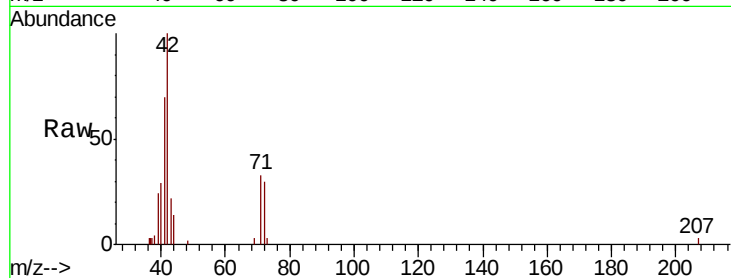
Ion Ratio Lower Upper

41 100

39 51.0 43.0 64.4

67 0.0 47.5 71.3#

52 0.0 21.0 31.6#

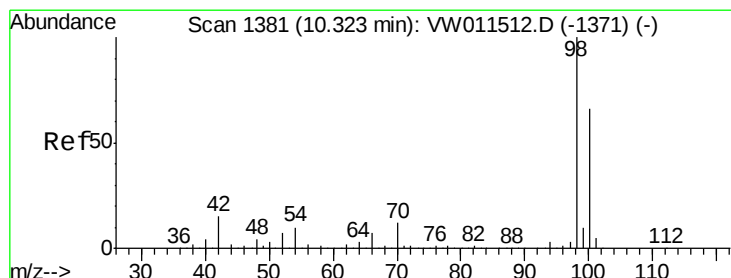
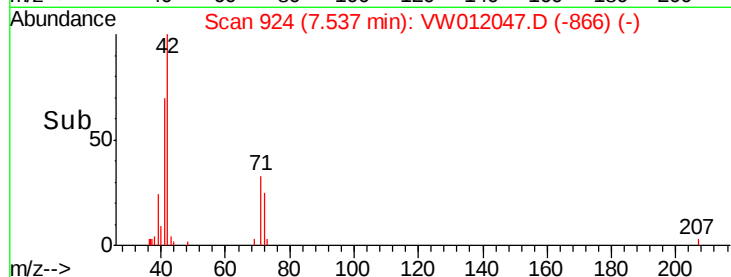
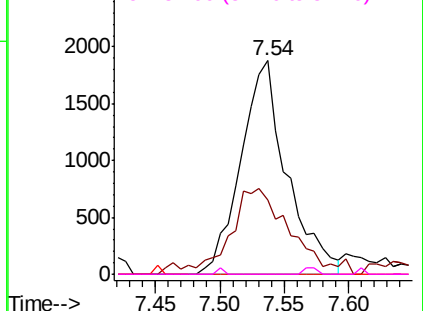


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 53.581 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012047.D

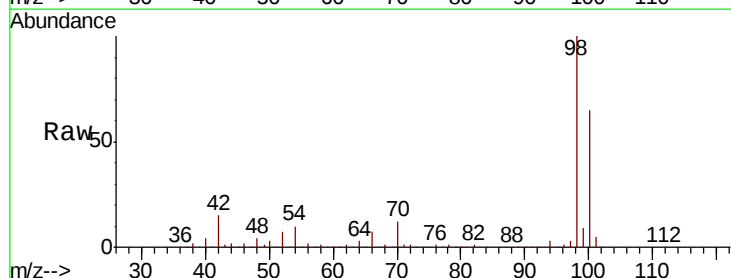
Acq: 20 Aug 2019 23:05

Tgt Ion: 98 Resp: 589644

Ion Ratio Lower Upper

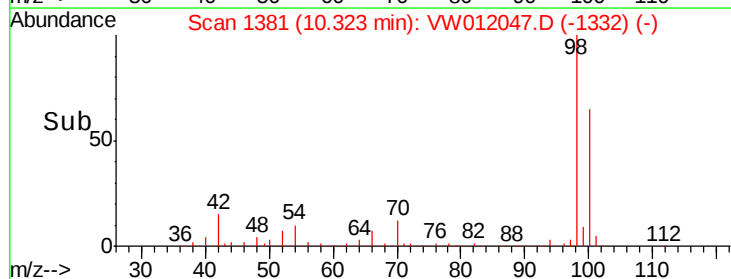
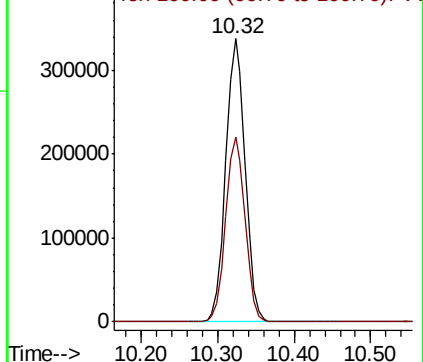
98 100

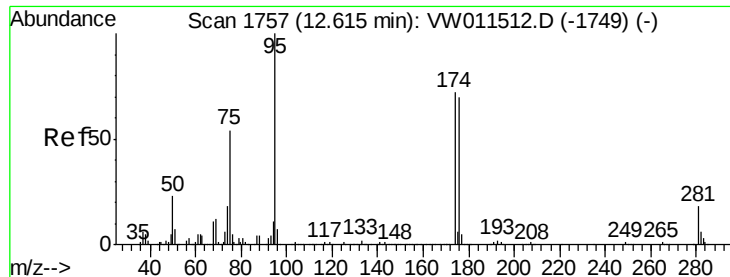
100 65.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 45.370 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012047.D

Acq: 20 Aug 2019 23:05

Instrument :

MSVOA_W

ClientSampled :

T4-A3-(0)

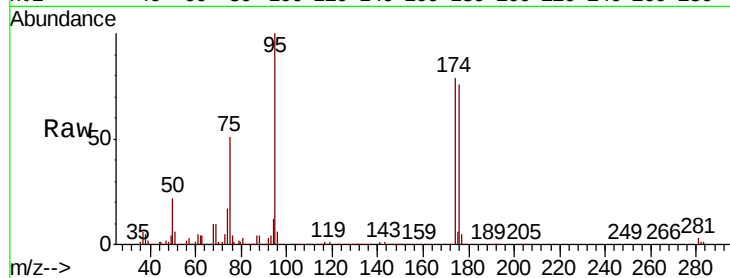
Tgt Ion: 95 Resp: 178004

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.2

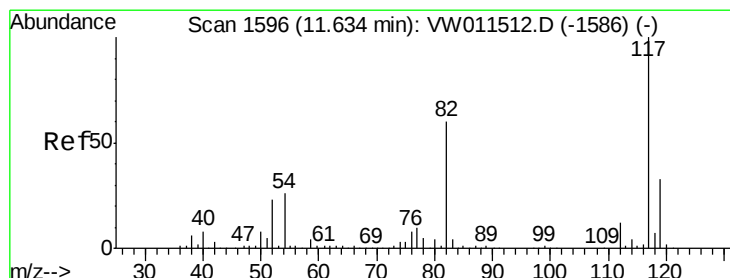
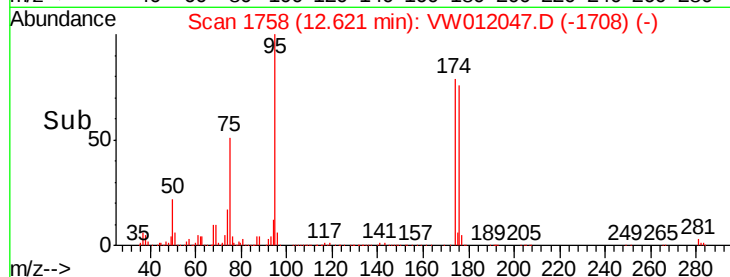
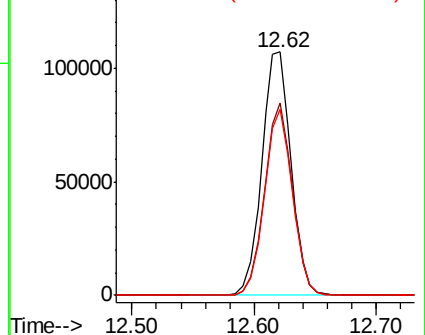
176 73.1 0.0 144.4



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: VW012047.D

Acq: 20 Aug 2019 23:05

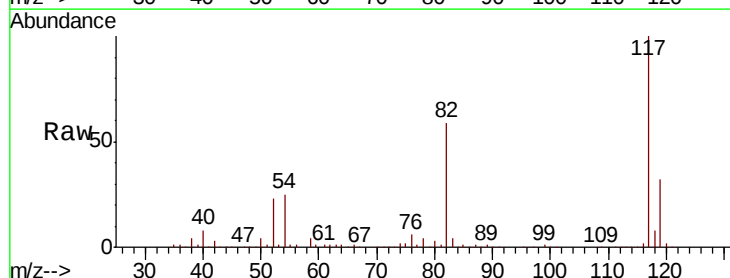
Tgt Ion: 117 Resp: 395176

Ion Ratio Lower Upper

117 100

82 58.7 47.9 71.9

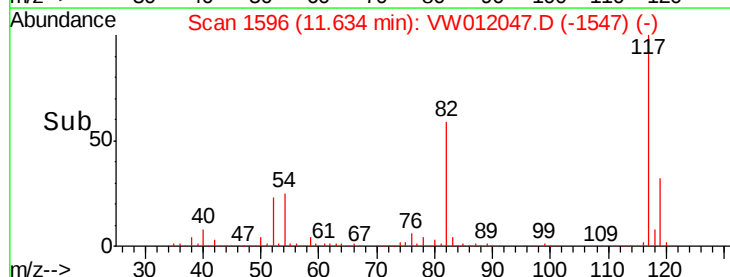
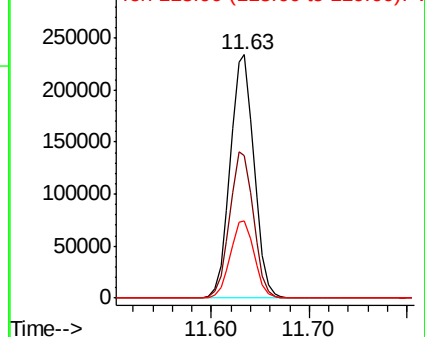
119 31.6 26.2 39.2

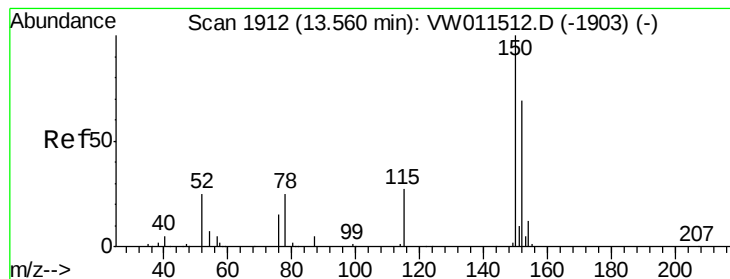


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012047.D

Acq: 20 Aug 2019 23:05

Instrument :

MSVOA_W

ClientSampleId :

T4-A3-(0)

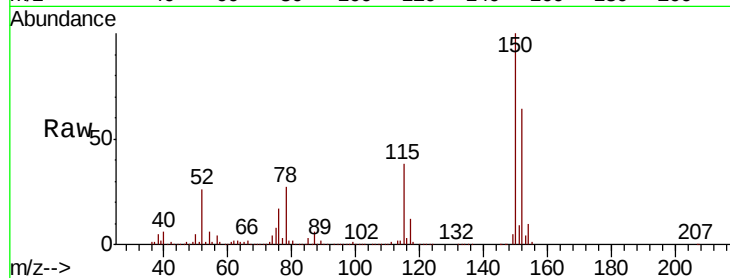
Tgt Ion:152 Resp: 136839

Ion Ratio Lower Upper

152 100

115 59.5 30.5 91.5

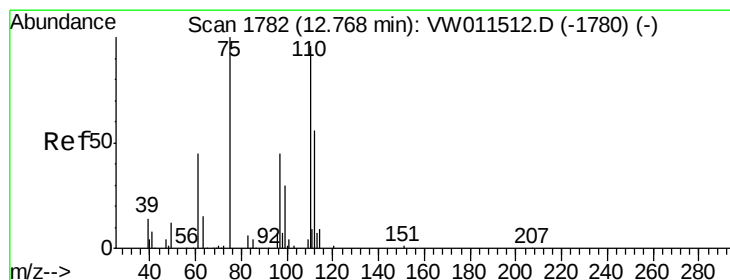
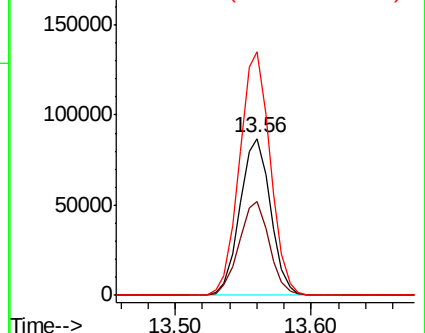
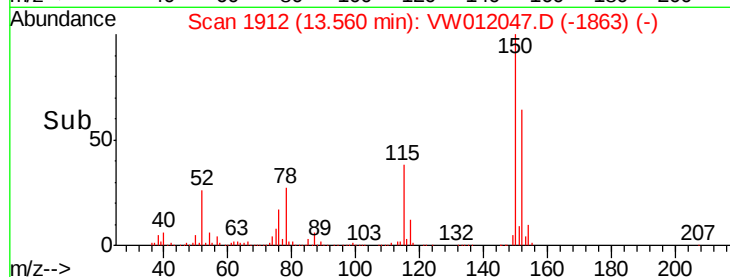
150 155.8 0.0 352.6



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: 65.175 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012047.D

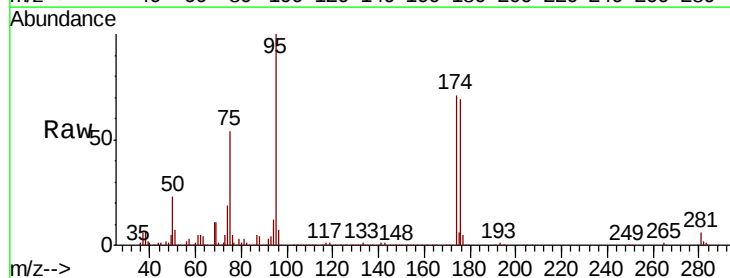
Acq: 20 Aug 2019 23:05

Tgt Ion: 75 Resp: 94368

Ion Ratio Lower Upper

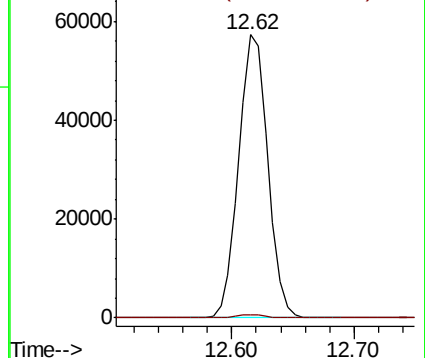
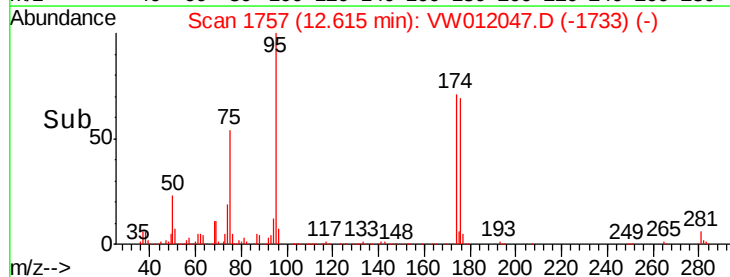
75 100

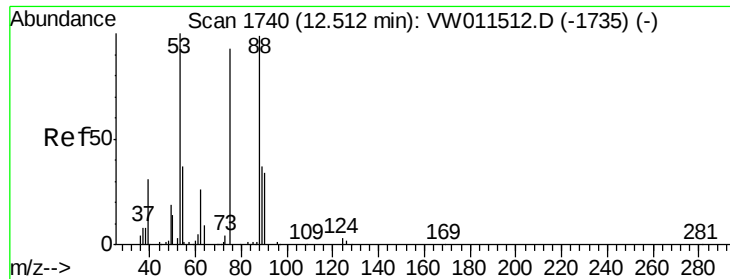
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

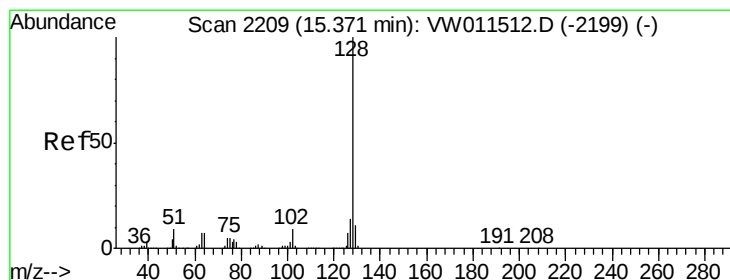
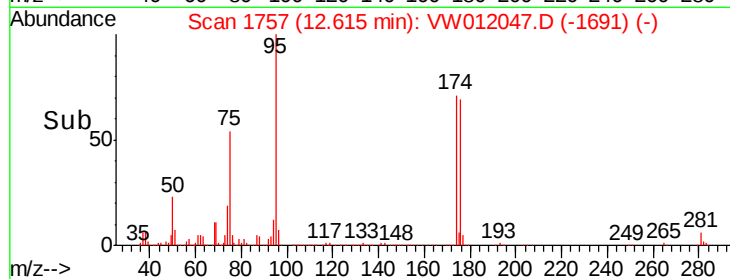
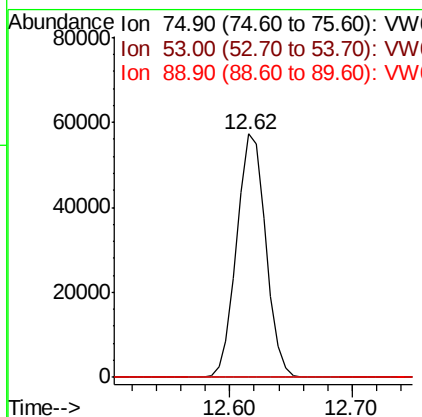
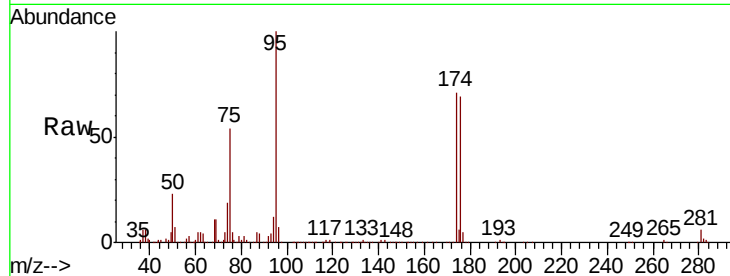




#81
trans-1,4-Dichloro-2-butene
Concen: 150.206 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012047.D
Acq: 20 Aug 2019 23:05

Instrument :
MSVOA_W
ClientSampleId :
T4-A3-(0)

Tgt Ion: 75 Resp: 94368
Ion Ratio Lower Upper
75 100
53 0.2 88.0 132.0#
89 0.1 35.3 52.9#



#95
Naphthalene
Concen: 2.158 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW012047.D
Acq: 20 Aug 2019 23:05

Tgt Ion: 128 Resp: 519
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

