

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012070.D
 Acq On : 21 Aug 2019 14:26
 Operator : SY/VA
 Sample : K4388-08RE
 Misc : 5.64G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 22 05:15:20 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

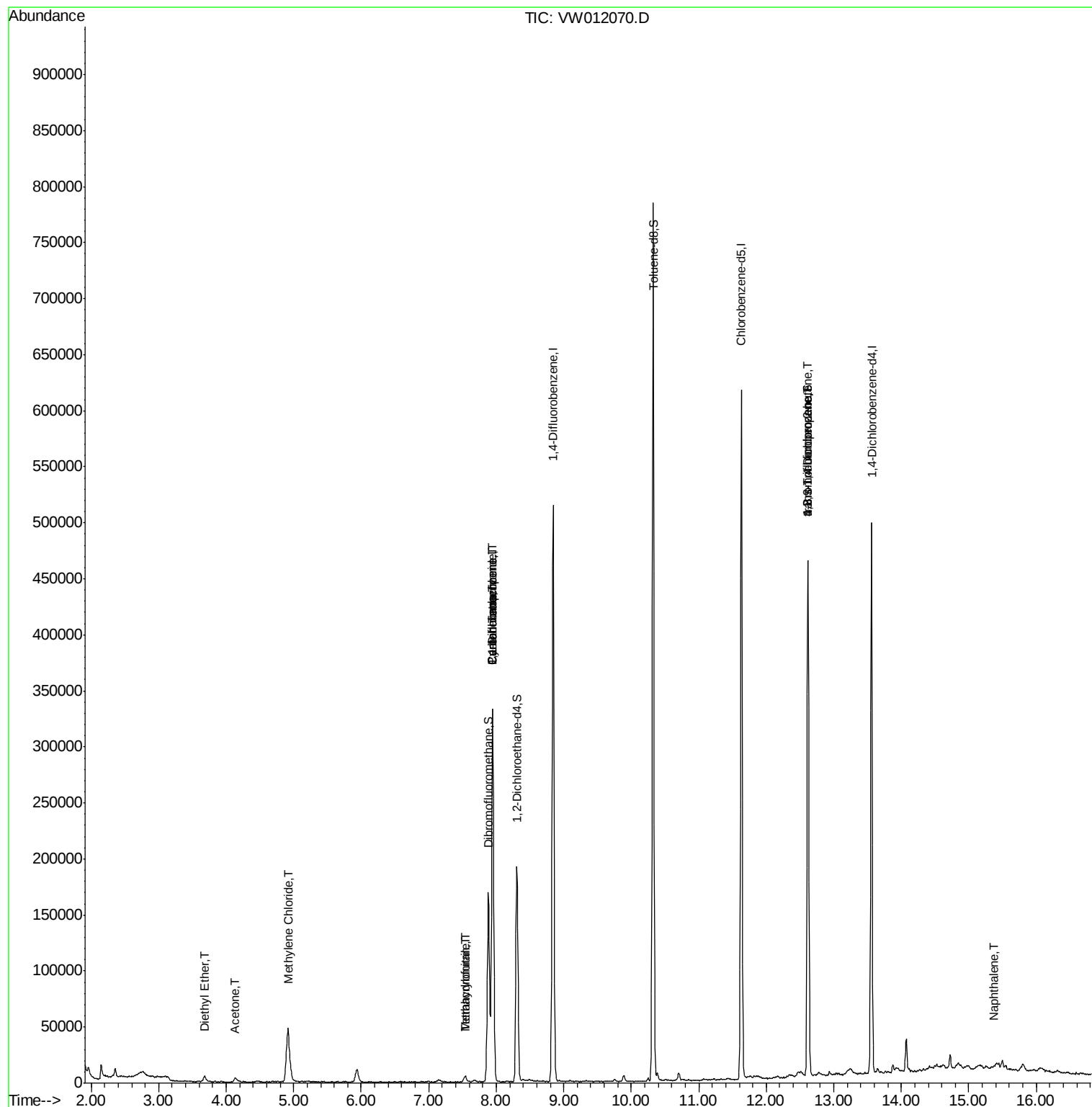
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	244807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	123224	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	148792	52.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.86%	
35) Dibromofluoromethane	7.88	113	122415	54.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.52%	
50) Toluene-d8	10.32	98	489250	52.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.92%	
62) 4-Bromofluorobenzene	12.62	95	152337	46.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.50%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	2647	1.834	ug/l	85
11) Tert butyl alcohol	5.19	59	555	Below Cal	#	72
16) Acetone	4.14	43	7145	7.990	ug/l	90
20) Methylene Chloride	4.92	84	36691	11.898	ug/l	95
29) Tetrahydrofuran	7.54	42	4825	7.214	ug/l	97
31) Cyclohexane	7.94	56	5969	1.136	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	21384	5.114	ug/l #	46
38) Carbon Tetrachloride	7.95	117	23964	6.694	ug/l #	16
41) Methacrylonitrile	7.54	41	3260	2.267	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	81252	62.317	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81252	143.619	ug/l #	6
95) Naphthalene	15.37	128	448	2.154	ug/l #	56

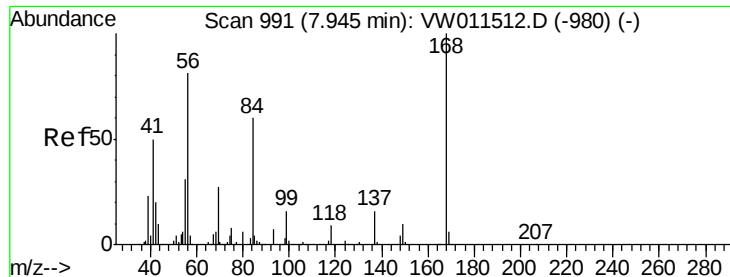
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
Data File : VW012070.D
Acq On : 21 Aug 2019 14:26
Operator : SY/VA
Sample : K4388-08RE
Misc : 5.64G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 22 05:15:20 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: VW012070.D

Acq: 21 Aug 2019 14:26

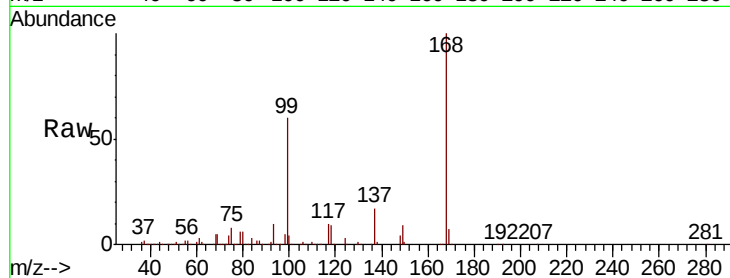
Instrument :
MSVOA_W
ClientSampleId :
T4-C-(0)

Tgt Ion:168 Resp: 244807

Ion Ratio Lower Upper

168 100

99 60.1 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

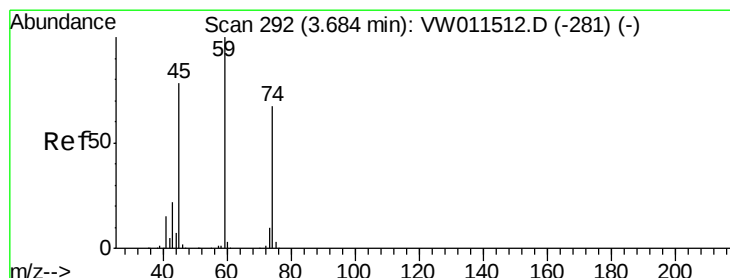
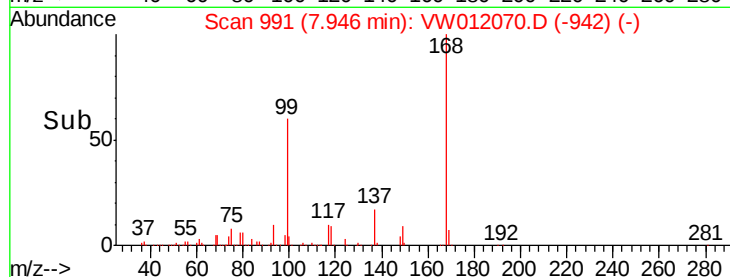
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.834 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW012070.D

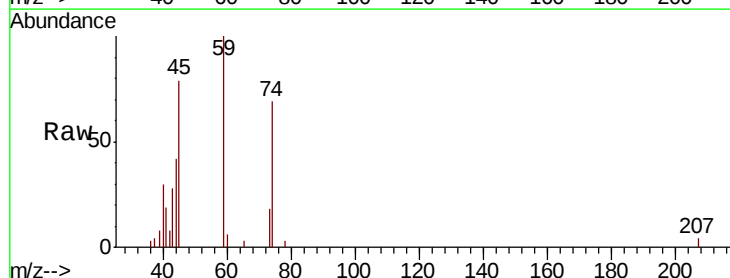
Acq: 21 Aug 2019 14:26

Tgt Ion: 74 Resp: 2647

Ion Ratio Lower Upper

74 100

45 135.4 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

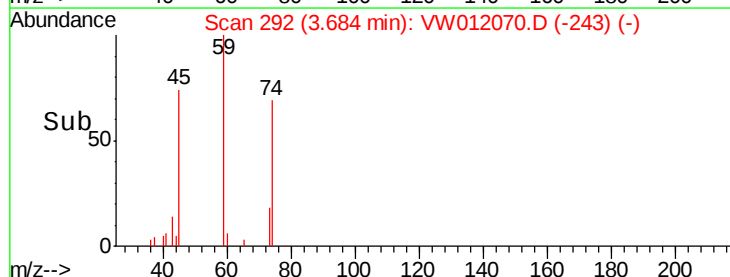
1500

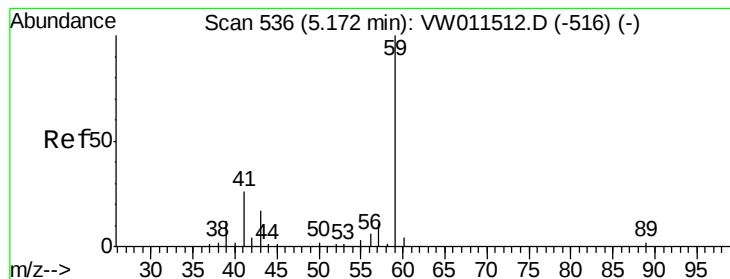
1000

500

0

Time-->



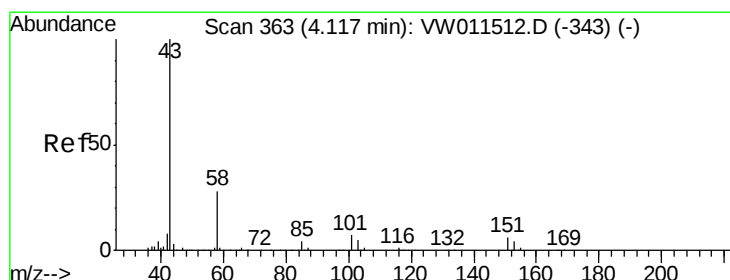
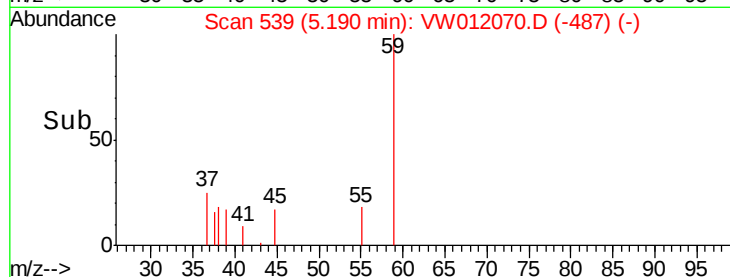
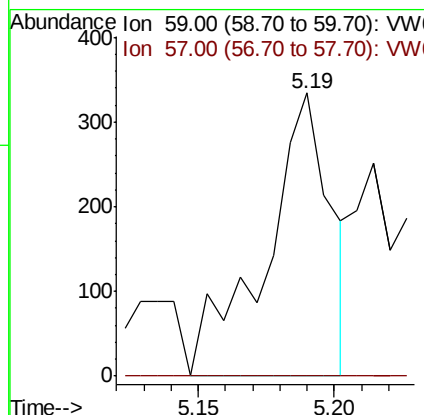
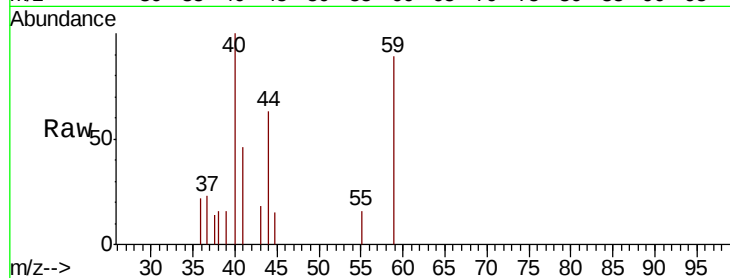


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW012070.D
 Acq: 21 Aug 2019 14:26

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

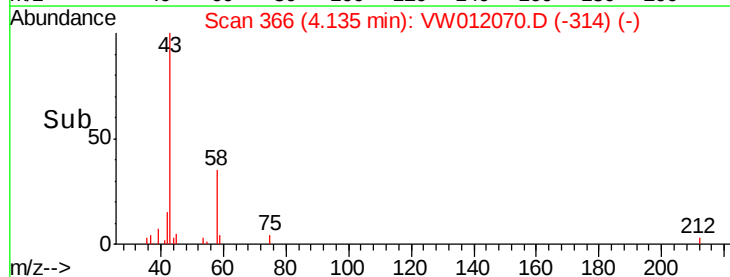
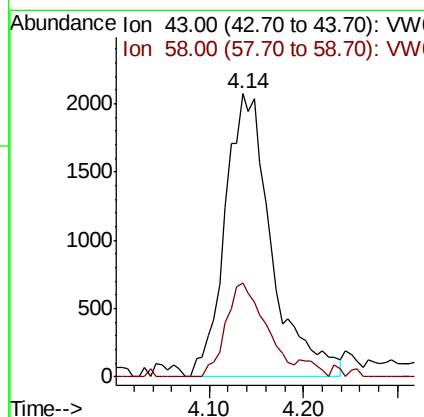
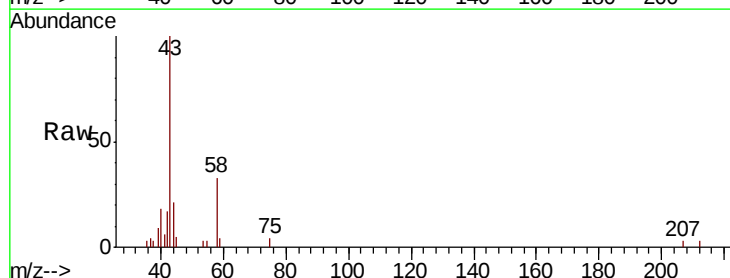
Tgt Ion: 59 Resp: 555
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

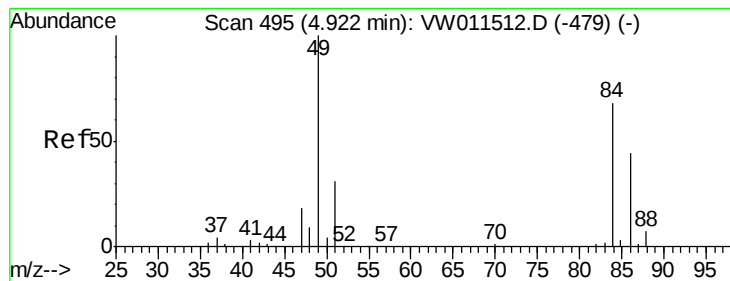


#16

Acetone
 Concen: 7.990 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VW012070.D
 Acq: 21 Aug 2019 14:26

Tgt Ion: 43 Resp: 7145
 Ion Ratio Lower Upper
 43 100
 58 33.3 22.3 33.5





#20

Methylene Chloride

Concen: 11.898 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012070.D

Acq: 21 Aug 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

T4-C-(0)

Tgt Ion: 84 Resp: 36691

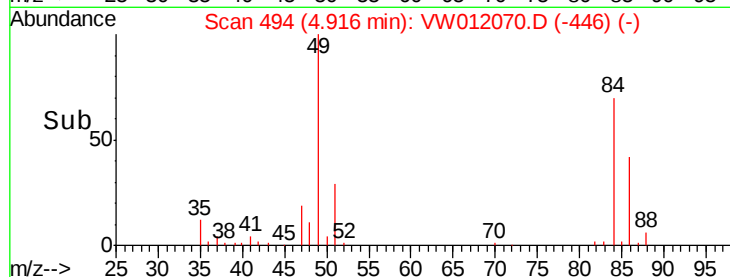
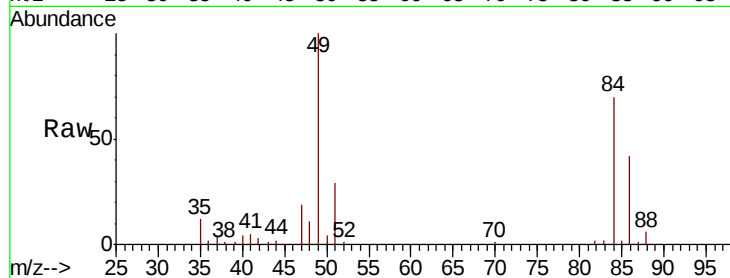
Ion Ratio Lower Upper

84 100

49 141.9 117.8 176.6

51 41.5 37.0 55.4

86 59.4 51.8 77.8

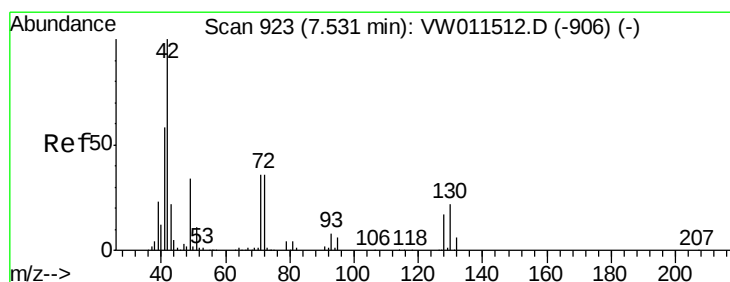
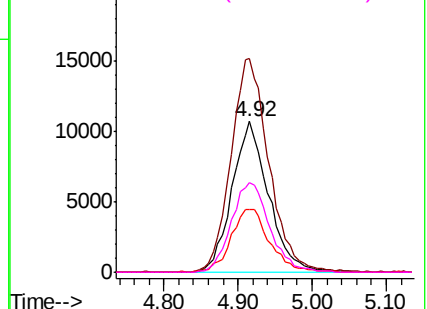


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 7.214 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012070.D

Acq: 21 Aug 2019 14:26

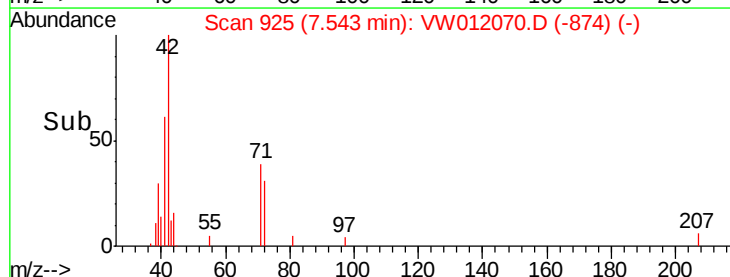
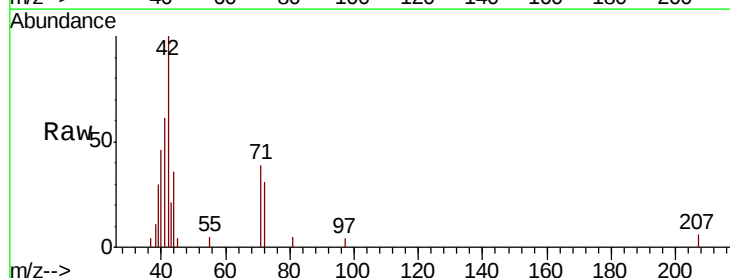
Tgt Ion: 42 Resp: 4825

Ion Ratio Lower Upper

42 100

72 34.1 27.1 40.7

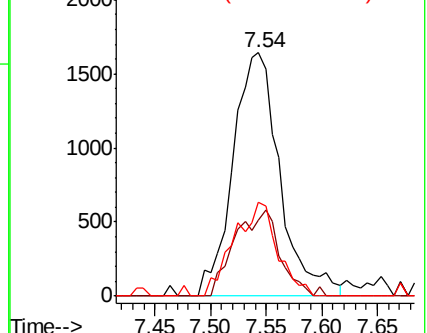
71 35.6 26.2 39.4

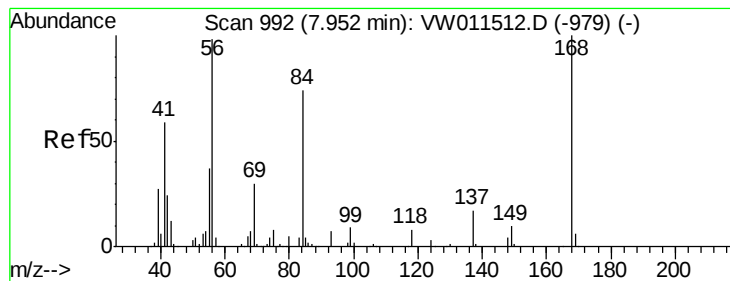


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.136 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012070.D

Acq: 21 Aug 2019 14:26

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

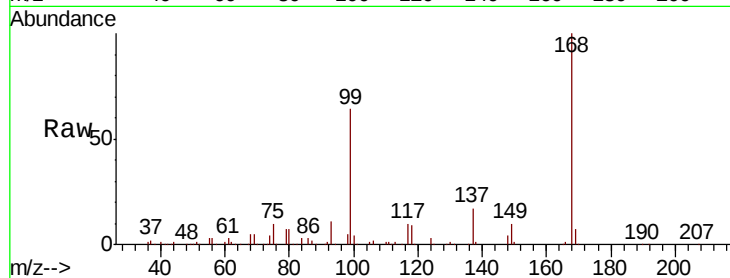
Tgt Ion: 56 Resp: 5969

Ion Ratio Lower Upper

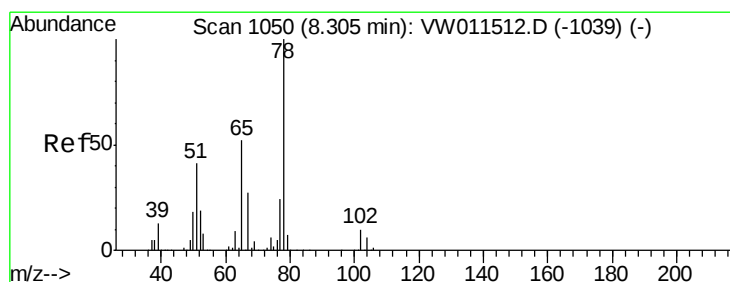
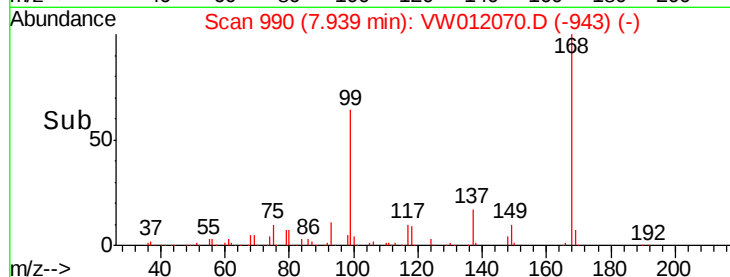
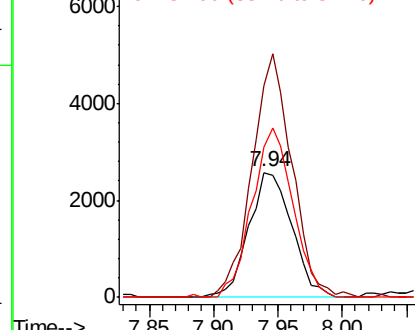
56 100

69 169.5 24.3 36.5#

84 120.1 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: 52.931 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012070.D

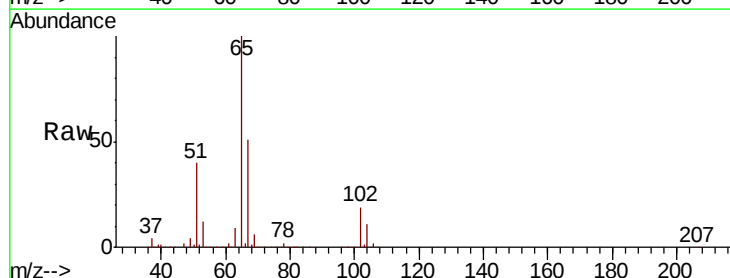
Acq: 21 Aug 2019 14:26

Tgt Ion: 65 Resp: 148792

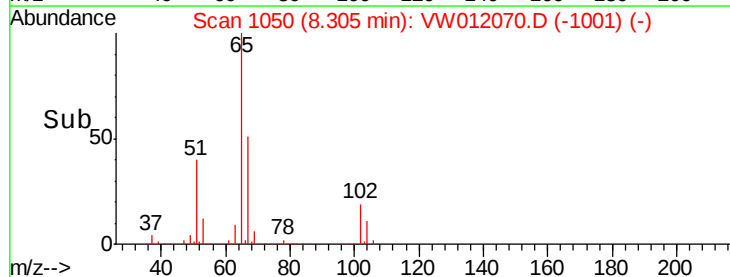
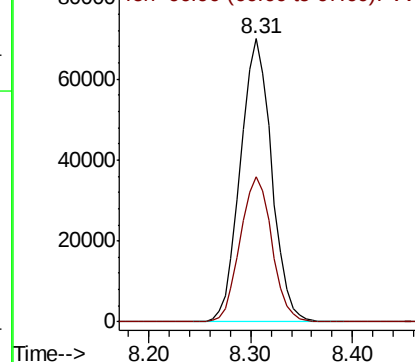
Ion Ratio Lower Upper

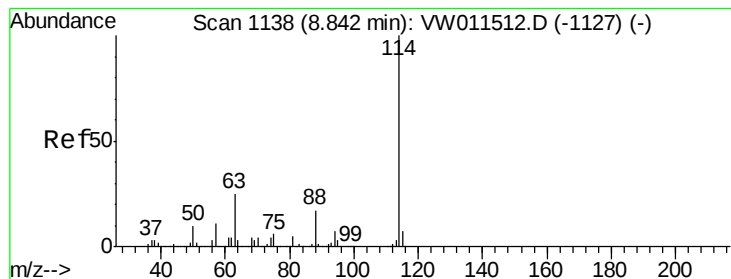
65 100

67 51.9 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: VW012070.D

Acq: 21 Aug 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

T4-C-(0)

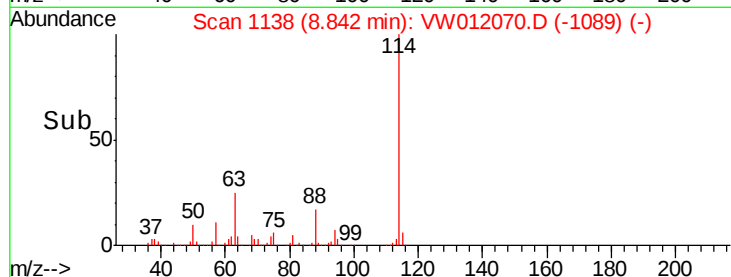
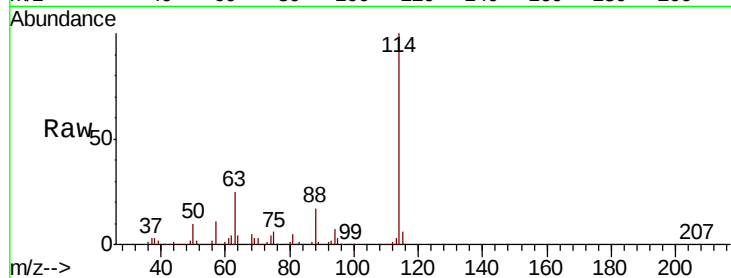
Tgt Ion:114 Resp: 402169

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

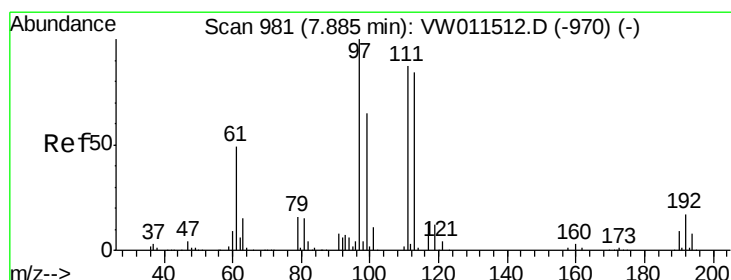
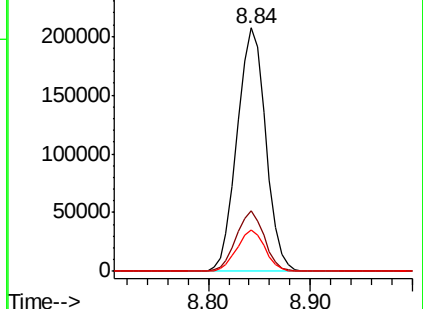
88 16.9 0.0 33.8



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: 54.256 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012070.D

Acq: 21 Aug 2019 14:26

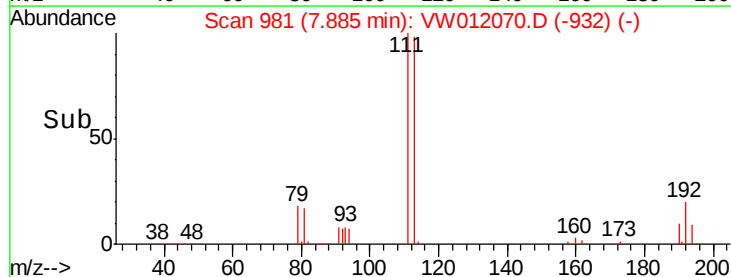
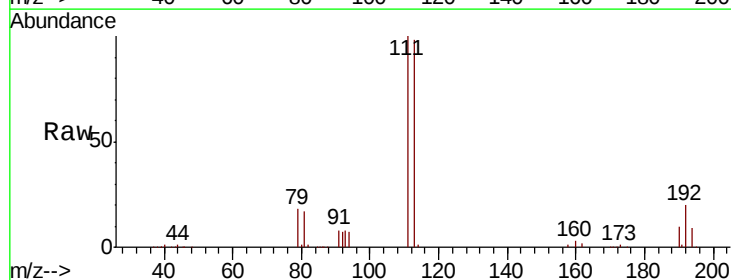
Tgt Ion:113 Resp: 122415

Ion Ratio Lower Upper

113 100

111 102.0 82.7 124.1

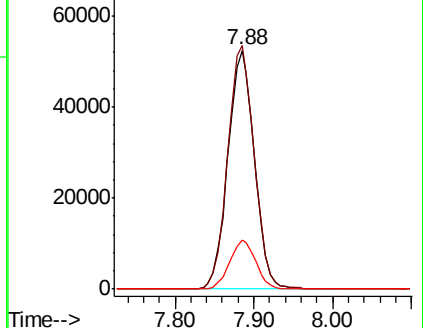
192 20.2 16.1 24.1

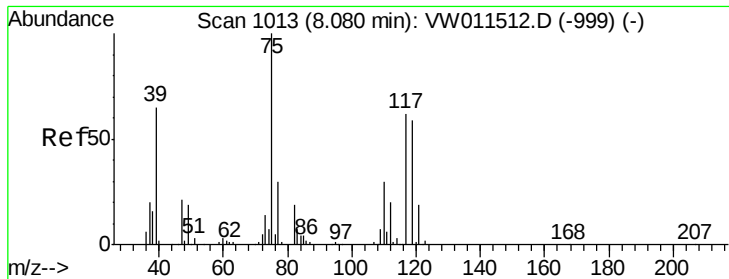


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

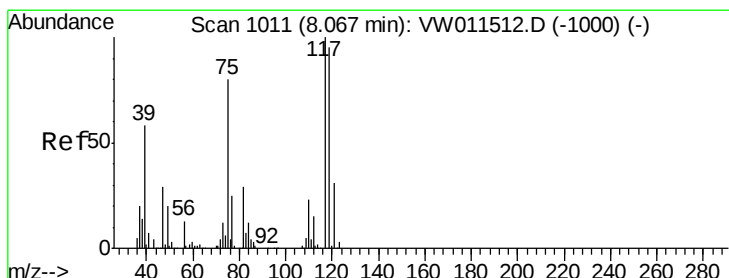
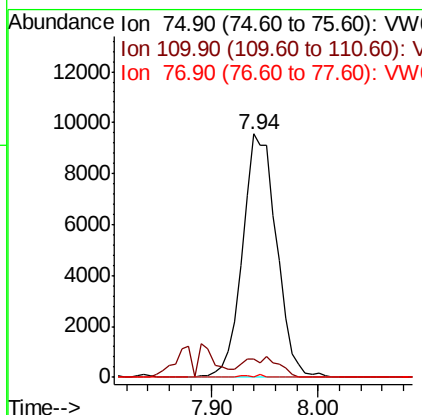
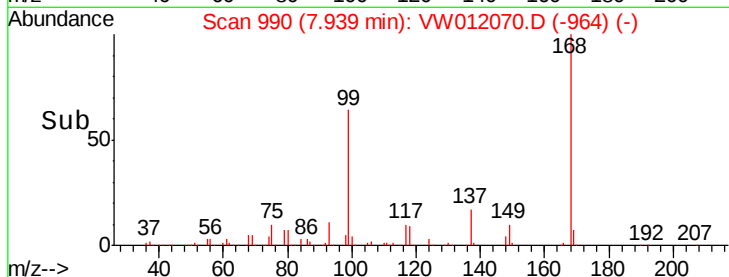
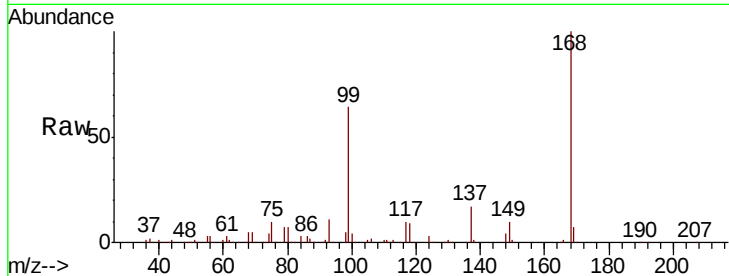




#36
 1,1-Dichloropropene
 Concen: 5.114 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012070.D
 Acq: 21 Aug 2019 14:26

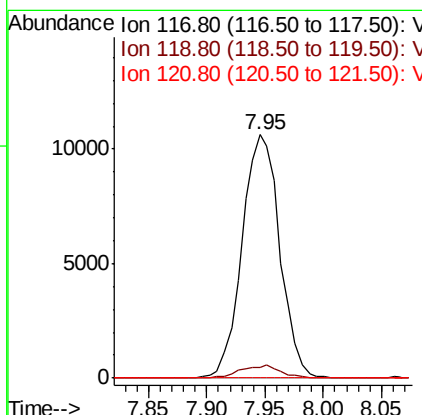
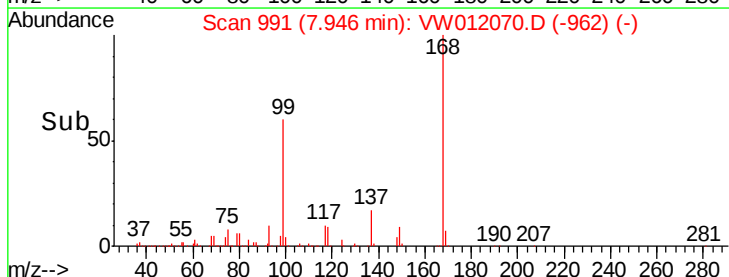
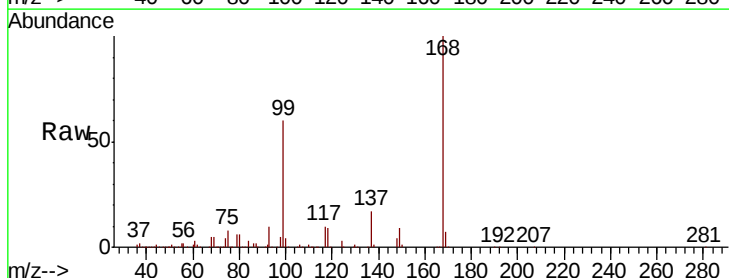
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-C-(0)

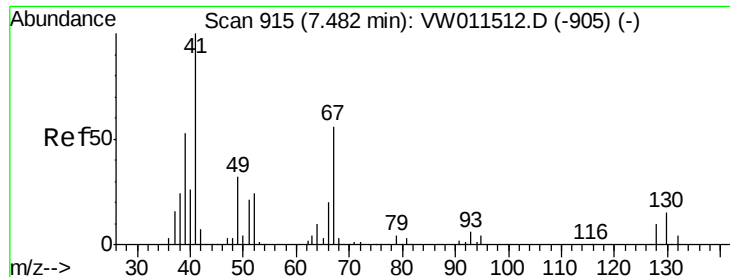
Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.3	15.6	46.8#
77	0.2	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.694 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012070.D
 Acq: 21 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.8	113.6#
121	0.0	24.7	37.1#





#41

Methacrylonitrile

Concen: 2.267 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012070.D

Acq: 21 Aug 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

T4-C-(0)

Tgt Ion: 41 Resp: 3260

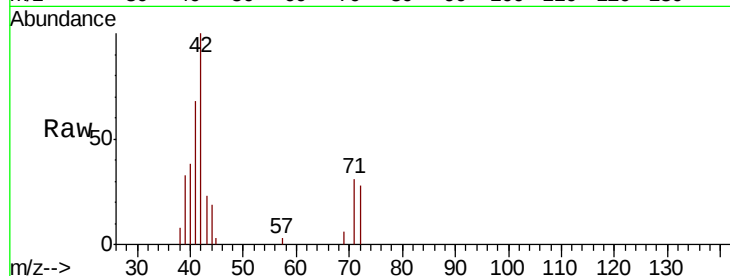
Ion Ratio Lower Upper

41 100

39 52.6 43.0 64.4

67 0.0 47.5 71.3#

52 0.0 21.0 31.6#

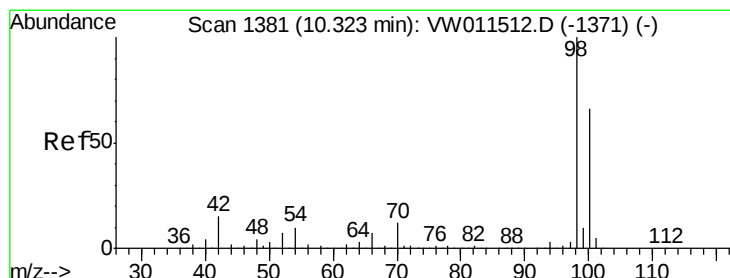
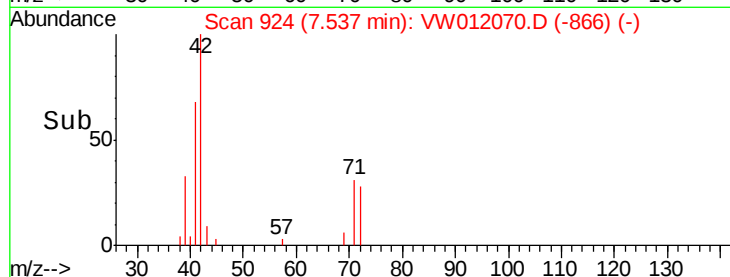
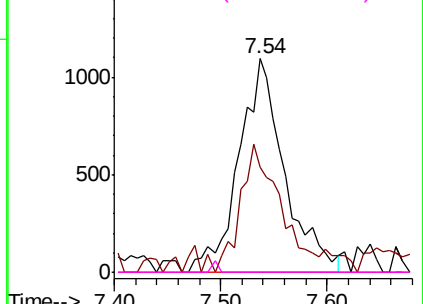


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 52.962 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012070.D

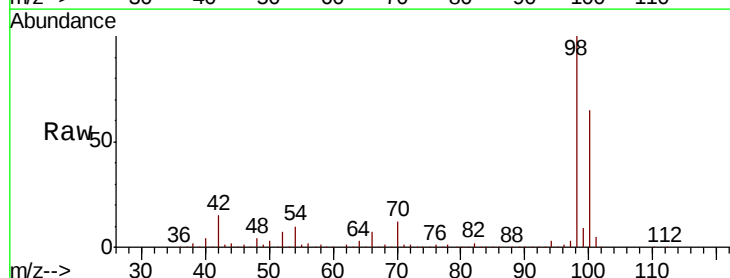
Acq: 21 Aug 2019 14:26

Tgt Ion: 98 Resp: 489250

Ion Ratio Lower Upper

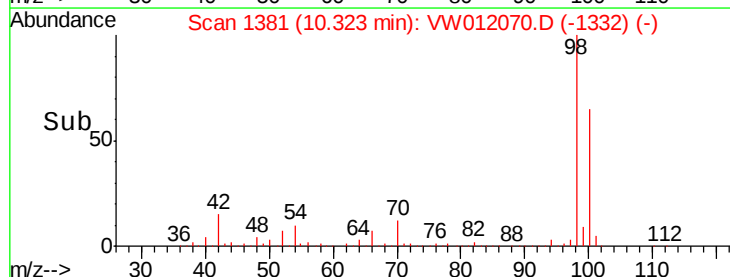
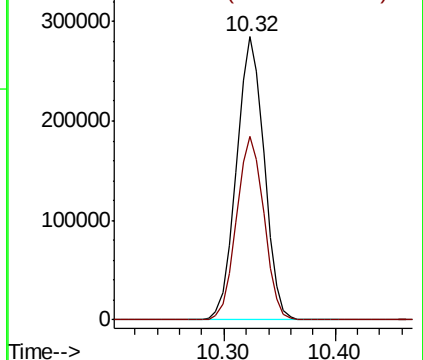
98 100

100 64.6 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: 46.255 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012070.D

Acq: 21 Aug 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

T4-C-(0)

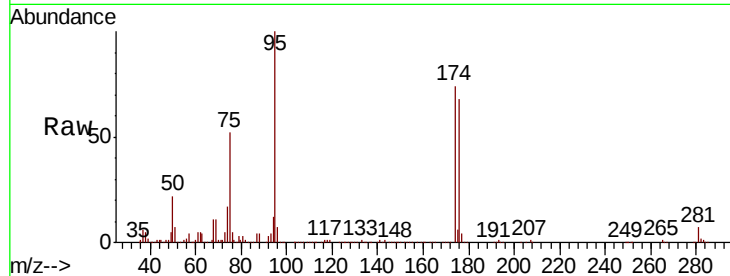
Tgt Ion: 95 Resp: 152337

Ion Ratio Lower Upper

95 100

174 76.8 0.0 150.2

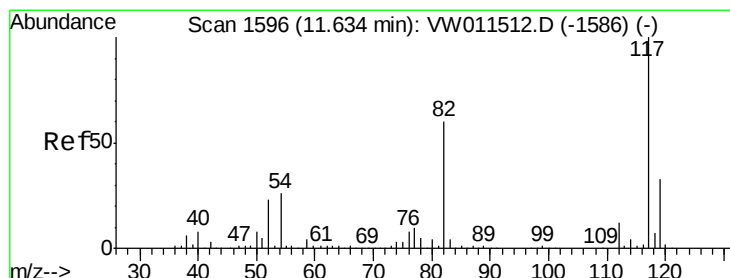
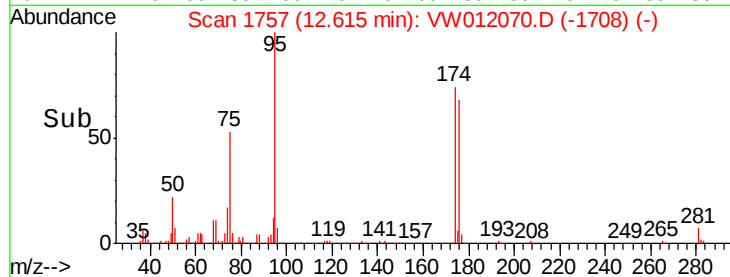
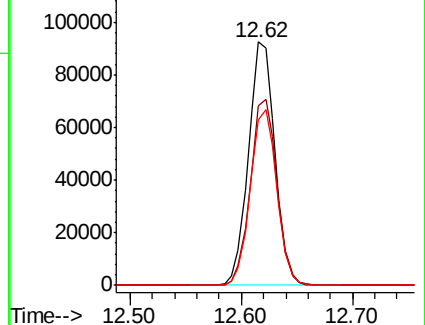
176 72.7 0.0 144.4



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: VW012070.D

Acq: 21 Aug 2019 14:26

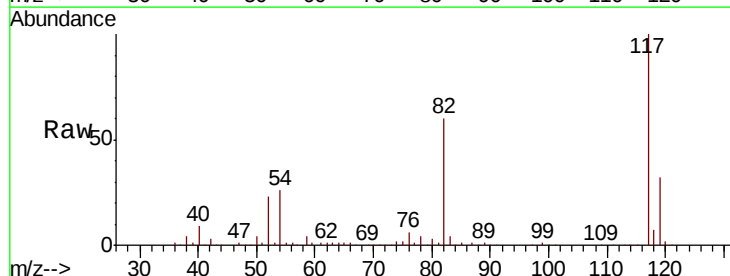
Tgt Ion: 117 Resp: 327724

Ion Ratio Lower Upper

117 100

82 59.8 47.9 71.9

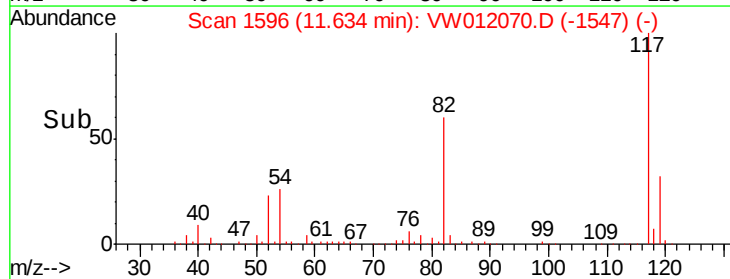
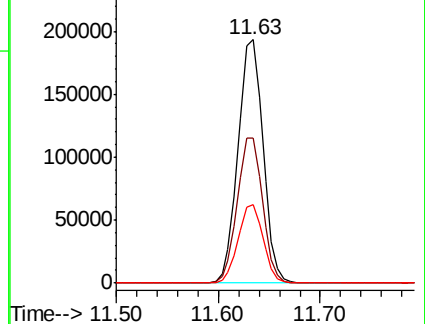
119 32.2 26.2 39.2



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: VW012070.D

Acq: 21 Aug 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

T4-C-(0)

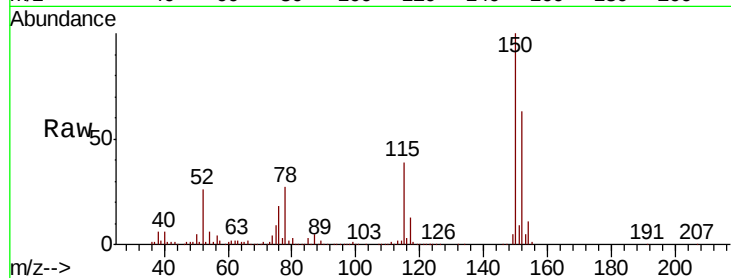
Tgt Ion:152 Resp: 123224

Ion Ratio Lower Upper

152 100

115 61.3 30.5 91.5

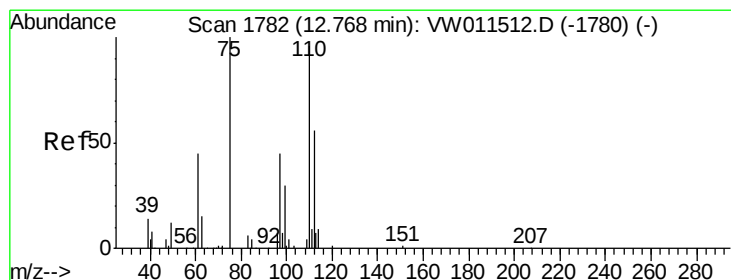
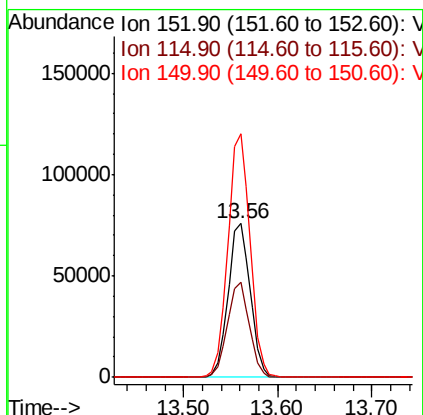
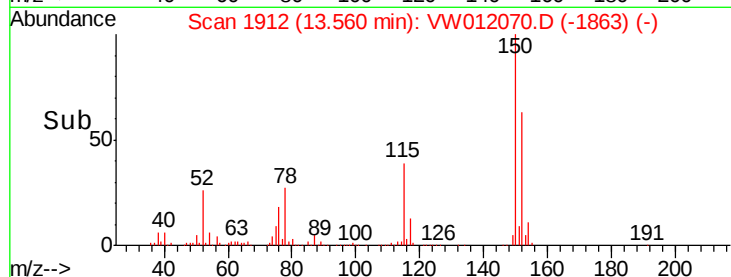
150 158.6 0.0 352.6



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: 62.317 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012070.D

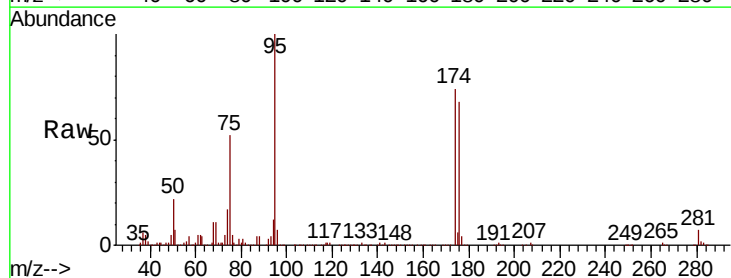
Acq: 21 Aug 2019 14:26

Tgt Ion: 75 Resp: 81252

Ion Ratio Lower Upper

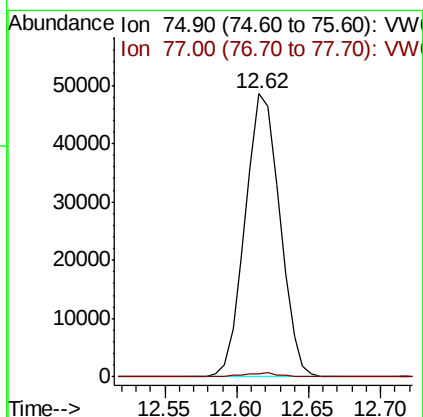
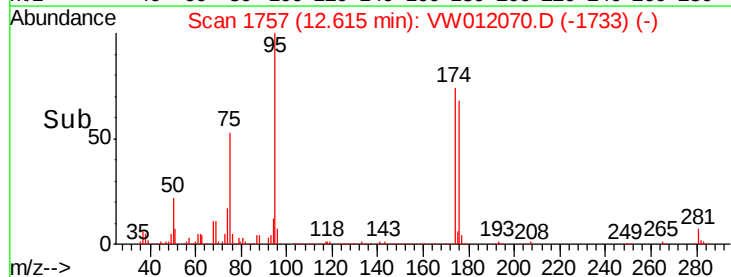
75 100

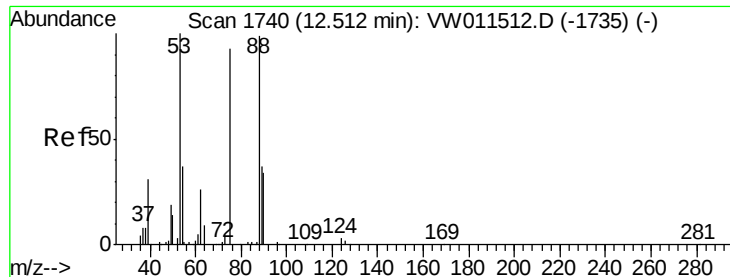
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

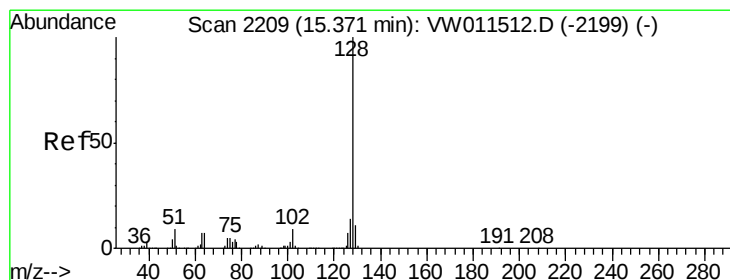
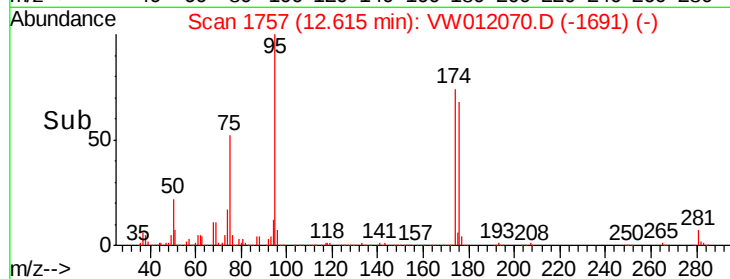
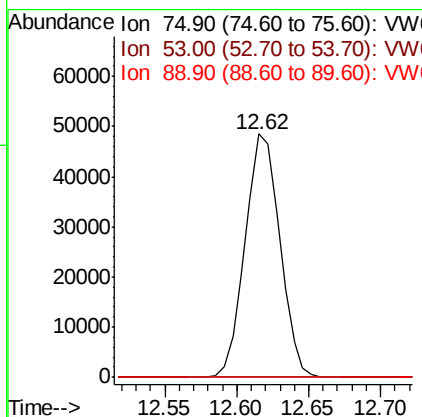
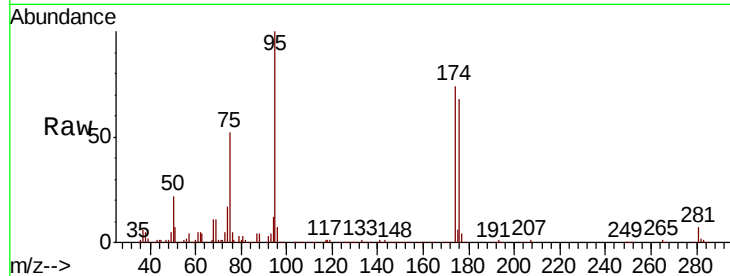




#81
trans-1,4-Dichloro-2-butene
Concen: 143.619 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012070.D
Acq: 21 Aug 2019 14:26

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

Tgt Ion: 75 Resp: 81252
Ion Ratio Lower Upper
75 100
53 0.0 88.0 132.0#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.154 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW012070.D
Acq: 21 Aug 2019 14:26

Tgt Ion: 128 Resp: 448
Ion Ratio Lower Upper
128 100
127 35.7 10.6 16.0#
129 0.0 8.6 13.0#

