

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012051.D
 Acq On : 21 Aug 2019 00:49
 Operator : SY/VA
 Sample : K4387-16
 Misc : 6.19G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A3-(2)

Quant Time: Aug 21 01:38:12 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

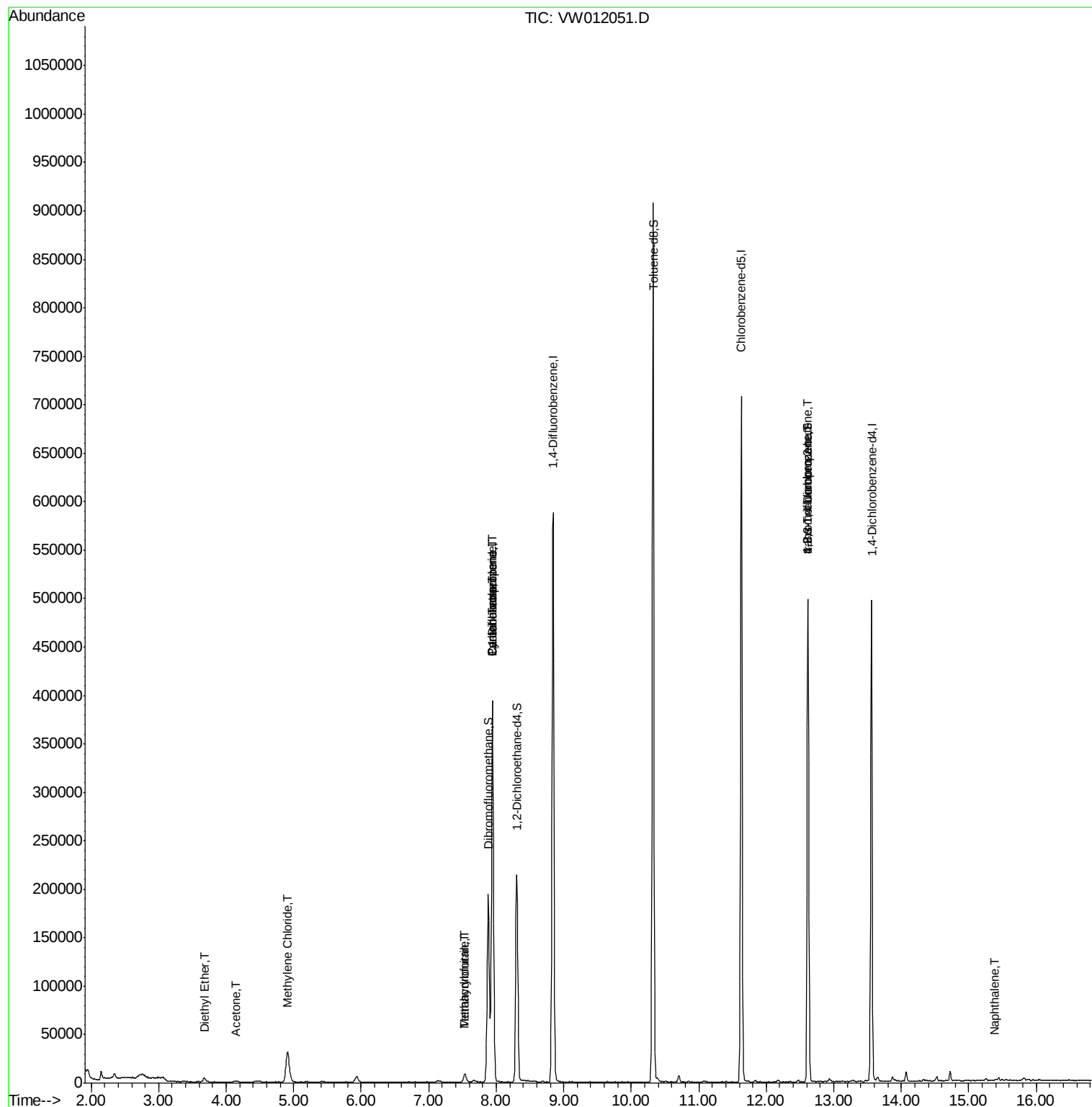
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	282326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	466487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	374728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	125680	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	172124	53.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.18%	
35) Dibromofluoromethane	7.88	113	140438	53.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.32%	
50) Toluene-d8	10.32	98	567610	52.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.62	95	161424	42.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.52%	
Target Compounds						
8) Diethyl Ether	3.67	74	2171	1.304	ug/l	75
11) Tert butyl alcohol	5.18	59	346	Below Cal		94
16) Acetone	4.14	43	2737	2.654	ug/l	100
20) Methylene Chloride	4.91	84	23965	6.738	ug/l	98
29) Tetrahydrofuran	7.53	42	7522	9.752	ug/l #	83
31) Cyclohexane	7.94	56	7203	1.188	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	24122	4.973	ug/l #	52
38) Carbon Tetrachloride	7.95	117	28338	6.824	ug/l #	16
41) Methacrylonitrile	7.54	41	5403	3.239	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	86862	65.318	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86862	150.535	ug/l #	6
95) Naphthalene	15.38	128	389	2.141	ug/l #	69

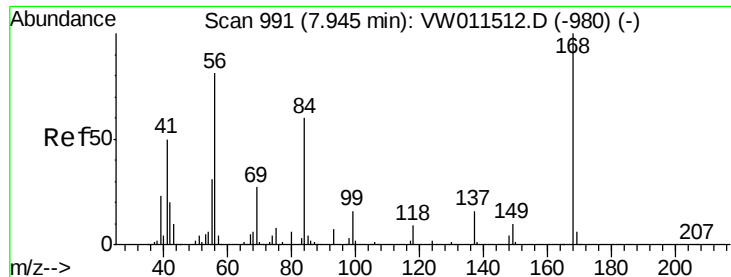
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
Data File : VW012051.D
Acq On : 21 Aug 2019 00:49
Operator : SY/VA
Sample : K4387-16
Misc : 6.19G/5ML/MSVOA_W/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-A3-(2)

Quant Time: Aug 21 01:38:12 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: VW012051.D

Acq: 21 Aug 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

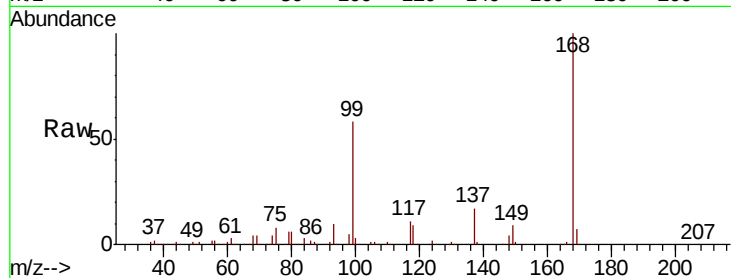
T4-A3-(2)

Tgt Ion:168 Resp: 282326

Ion Ratio Lower Upper

168 100

99 58.2 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

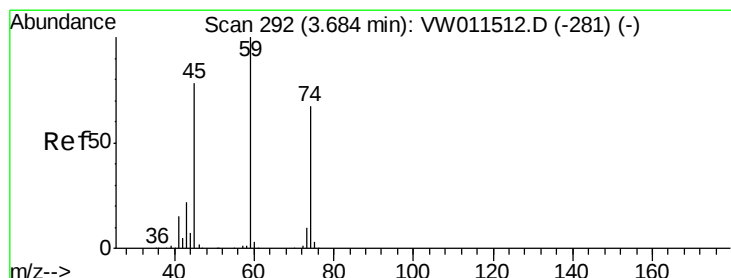
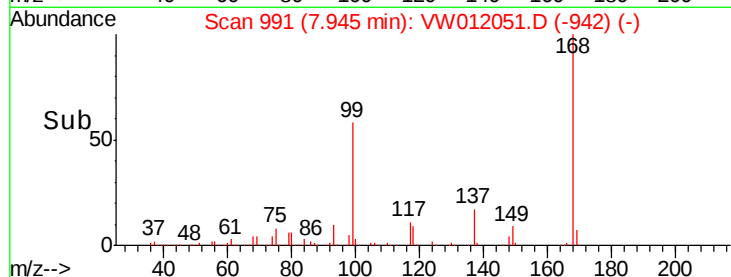
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.304 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012051.D

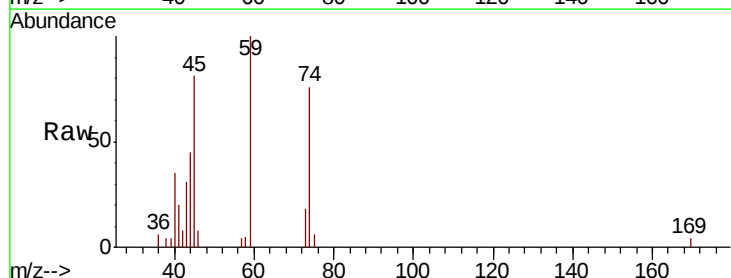
Acq: 21 Aug 2019 00:49

Tgt Ion: 74 Resp: 2171

Ion Ratio Lower Upper

74 100

45 147.3 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

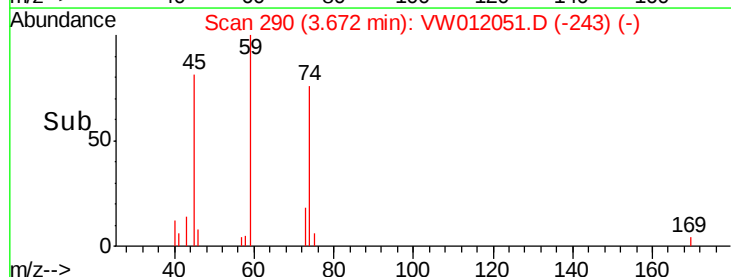
1500

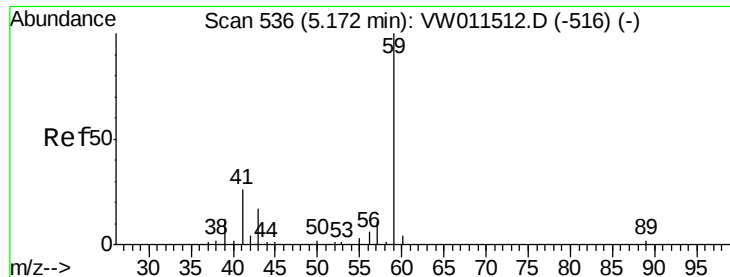
1000

500

0

Time--> 3.60 3.65 3.70 3.75



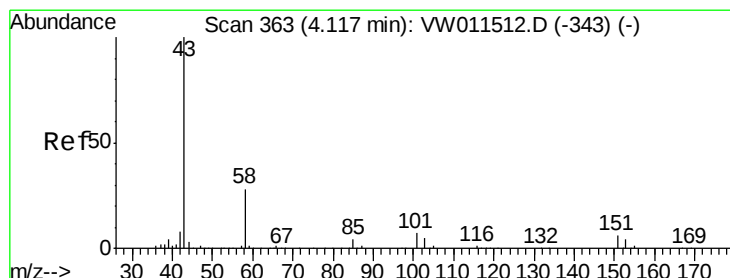
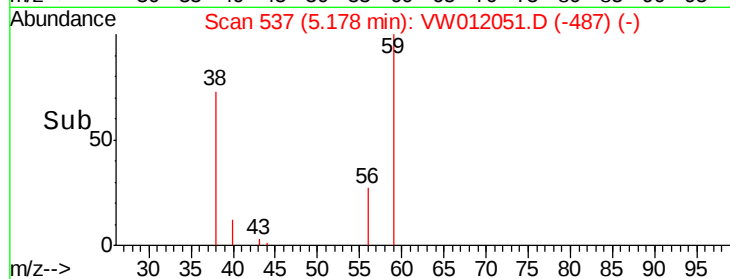
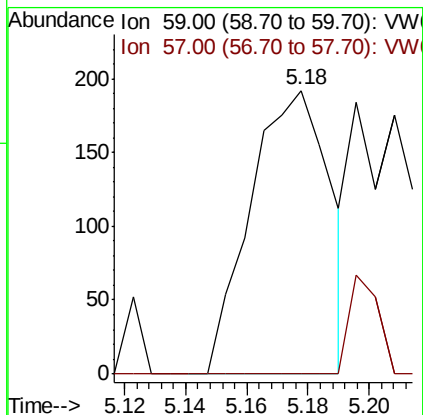
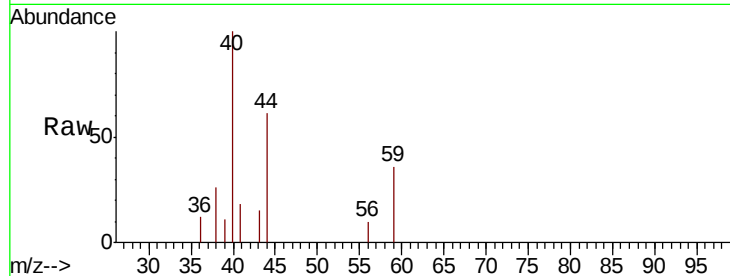


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW012051.D
 Acq: 21 Aug 2019 00:49

Instrument :
 MSVOA_W
 ClientSampled :
 T4-A3-(2)

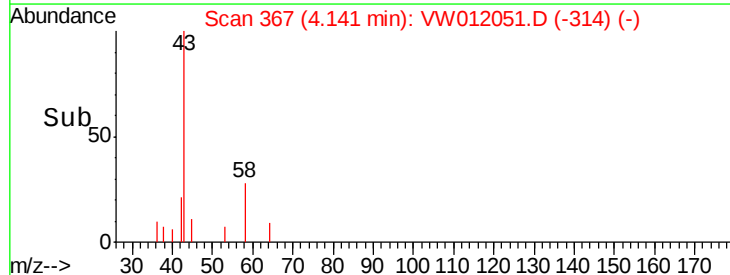
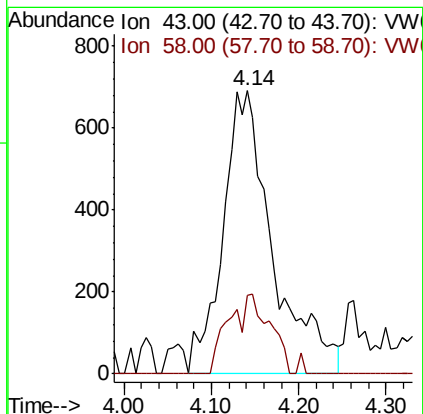
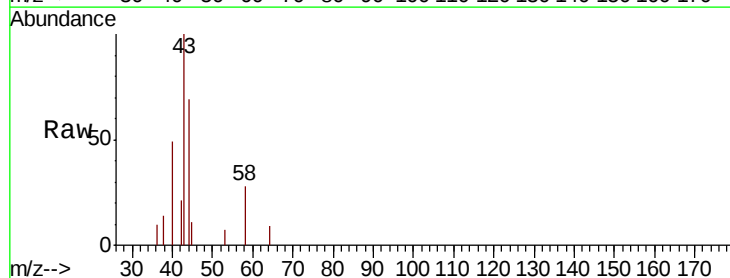
Tgt Ion: 59 Resp: 346
 Ion Ratio Lower Upper
 59 100
 57 12.7 8.5 12.7

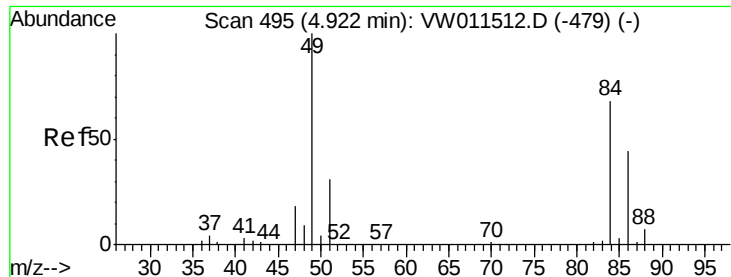


#16

Acetone
 Concen: 2.654 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW012051.D
 Acq: 21 Aug 2019 00:49

Tgt Ion: 43 Resp: 2737
 Ion Ratio Lower Upper
 43 100
 58 27.8 22.3 33.5

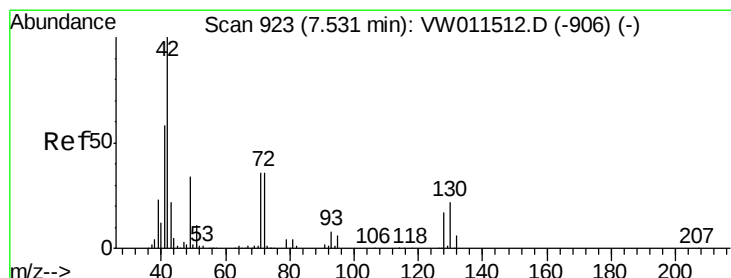
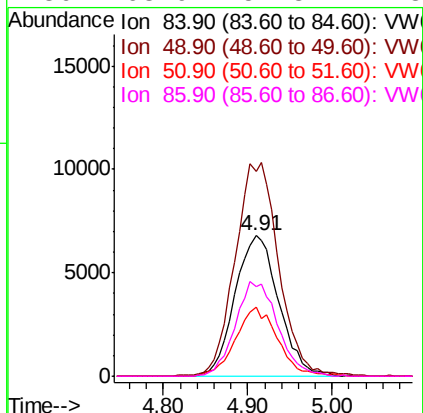
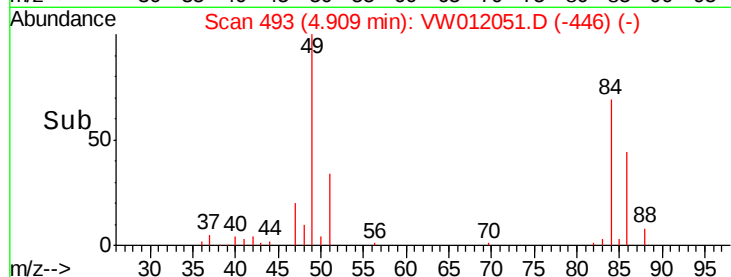
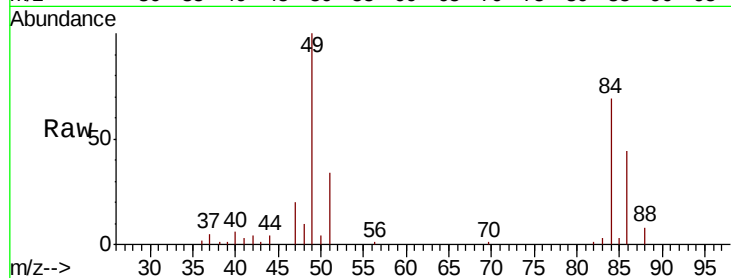




#20
Methylene Chloride
Concen: 6.738 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012051.D
Acq: 21 Aug 2019 00:49

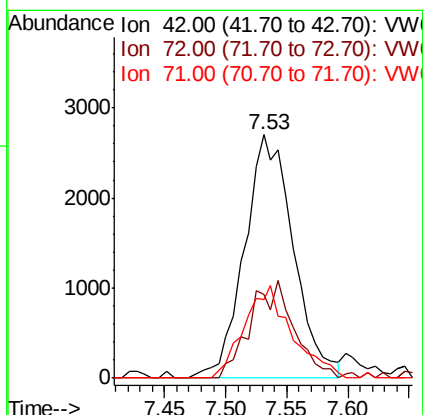
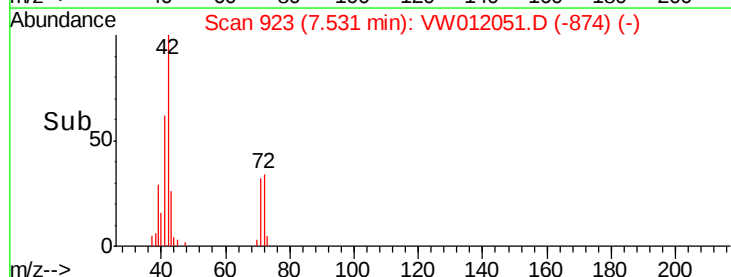
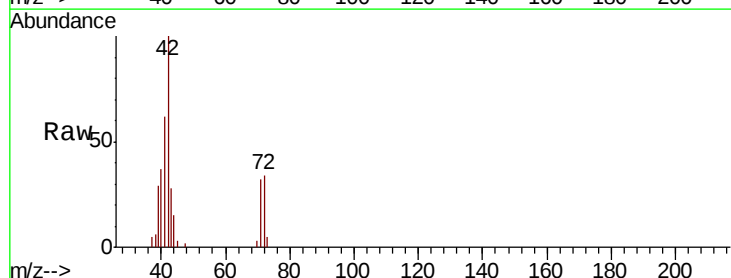
Instrument :
MSVOA_W
ClientSampleId :
T4-A3-(2)

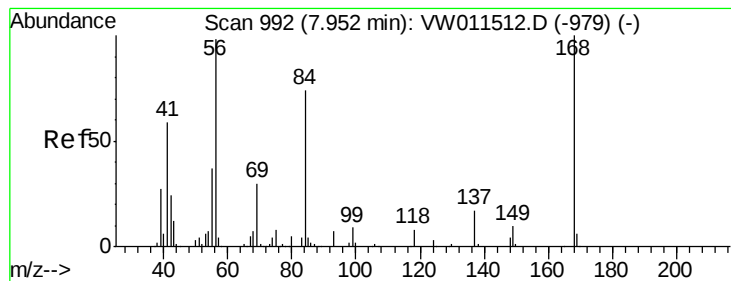
Tgt Ion: 84 Resp: 23965
Ion Ratio Lower Upper
84 100
49 144.9 117.8 176.6
51 49.4 37.0 55.4
86 63.9 51.8 77.8



#29
Tetrahydrofuran
Concen: 9.752 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012051.D
Acq: 21 Aug 2019 00:49

Tgt Ion: 42 Resp: 7522
Ion Ratio Lower Upper
42 100
72 19.1 27.1 40.7#
71 36.9 26.2 39.4





#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012051.D

Acq: 21 Aug 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
T4-A3-(2)

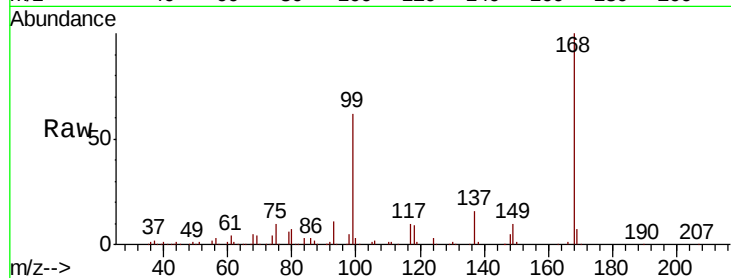
Tgt Ion: 56 Resp: 7203

Ion Ratio Lower Upper

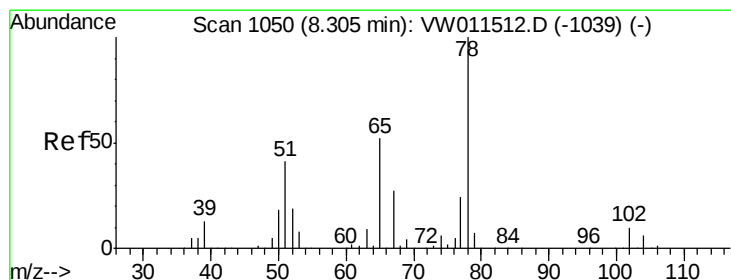
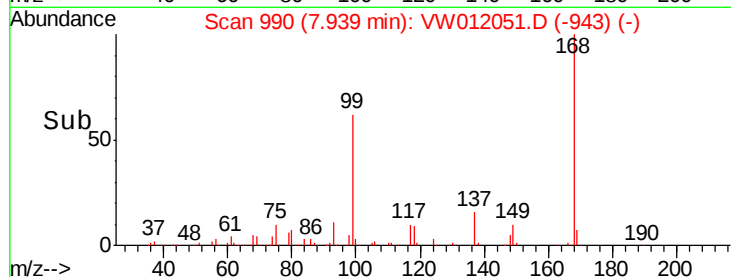
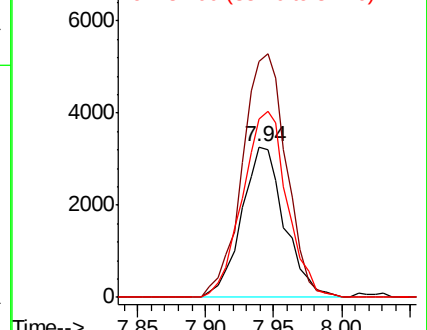
56 100

69 156.8 24.3 36.5#

84 118.6 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: 53.094 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012051.D

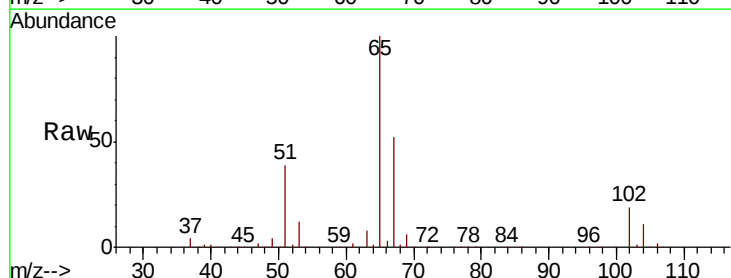
Acq: 21 Aug 2019 00:49

Tgt Ion: 65 Resp: 172124

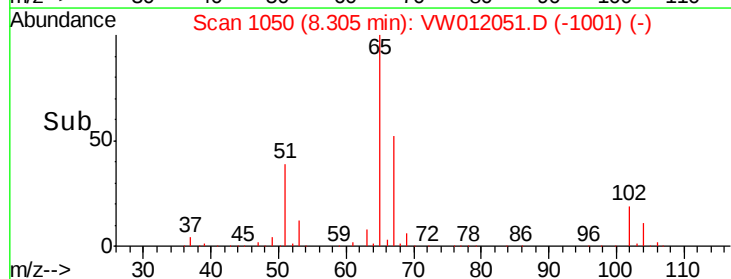
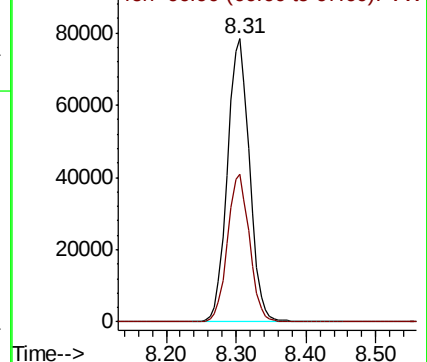
Ion Ratio Lower Upper

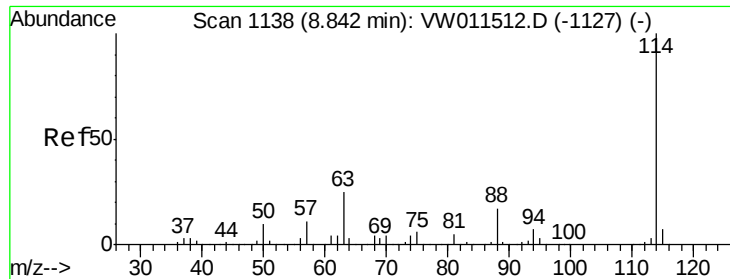
65 100

67 51.8 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: VW012051.D

Acq: 21 Aug 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

T4-A3-(2)

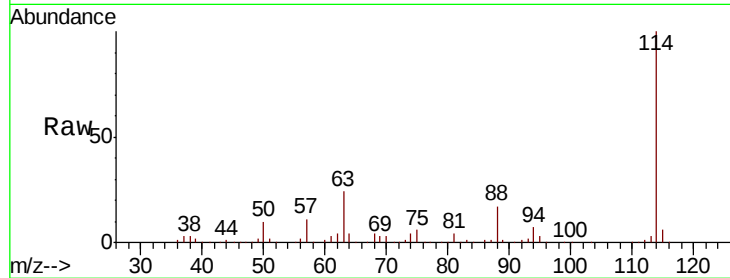
Tgt Ion:114 Resp: 466487

Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.2

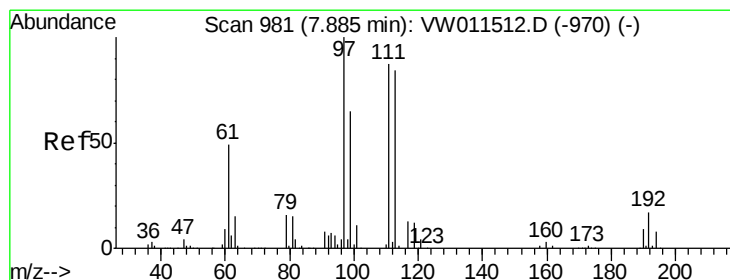
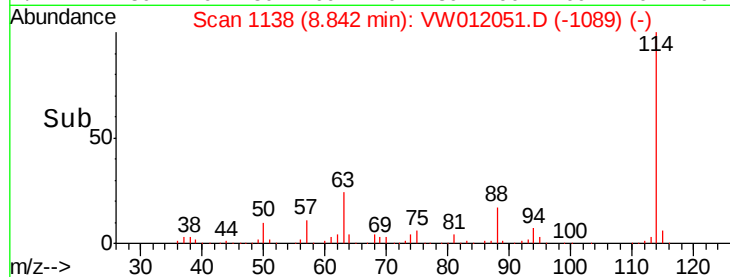
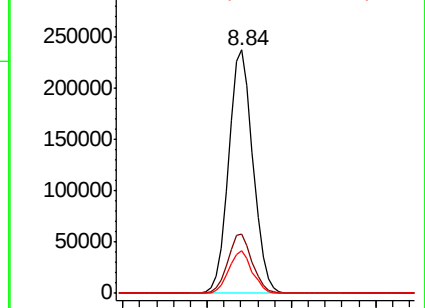
88 17.4 0.0 33.8



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: 53.662 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012051.D

Acq: 21 Aug 2019 00:49

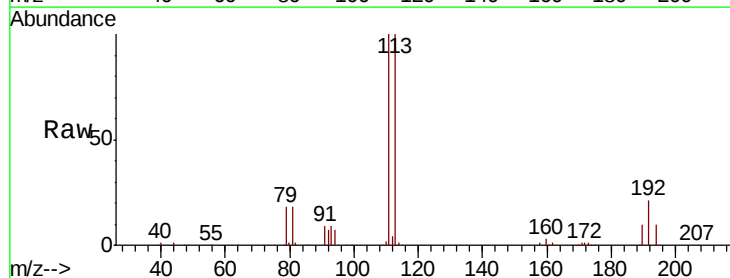
Tgt Ion:113 Resp: 140438

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

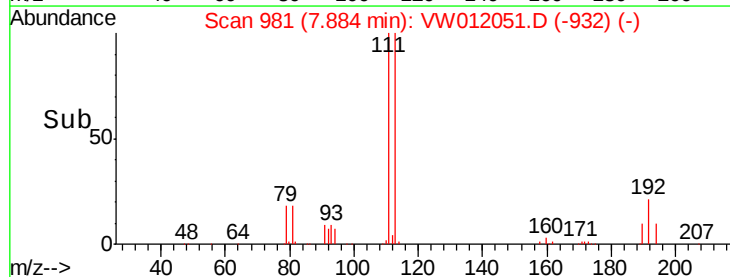
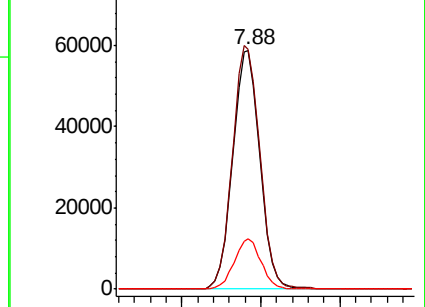
192 20.6 16.1 24.1

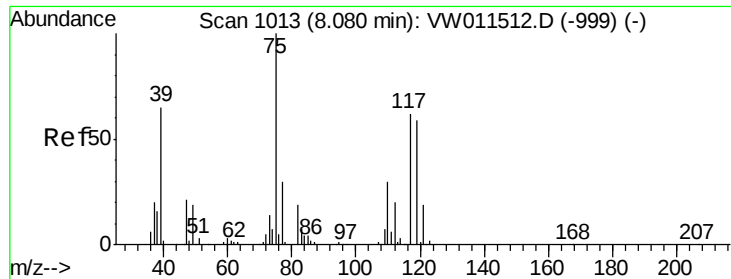


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

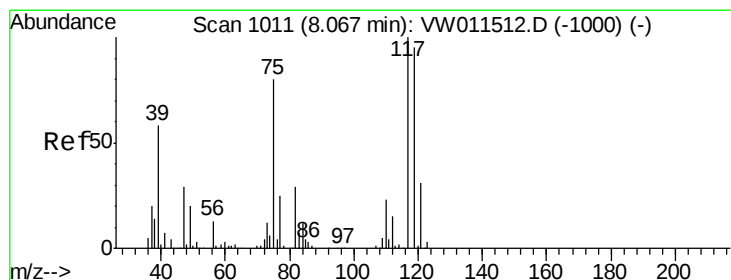
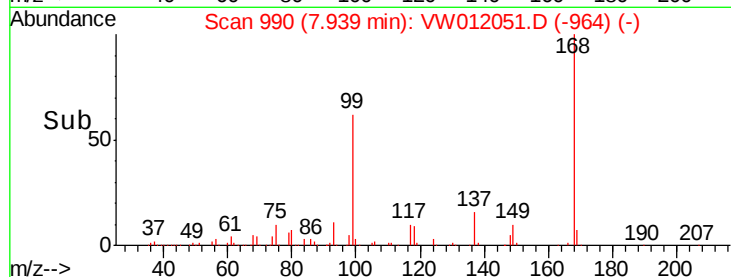
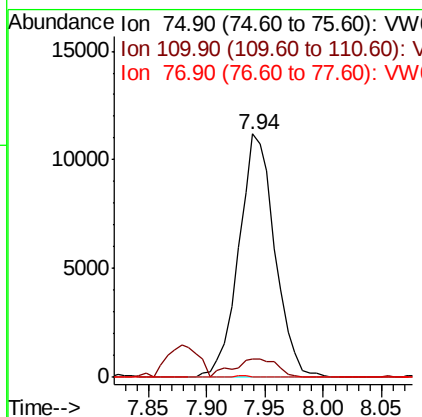
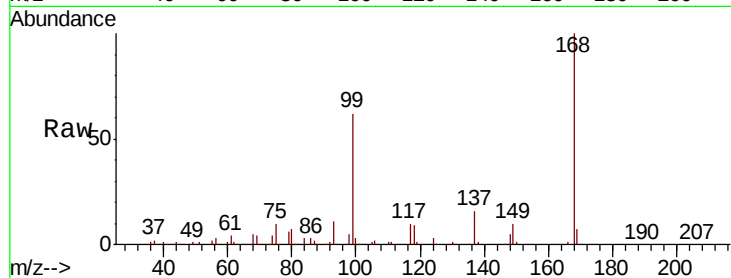




#36
 1,1-Dichloropropene
 Concen: 4.973 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012051.D
 Acq: 21 Aug 2019 00:49

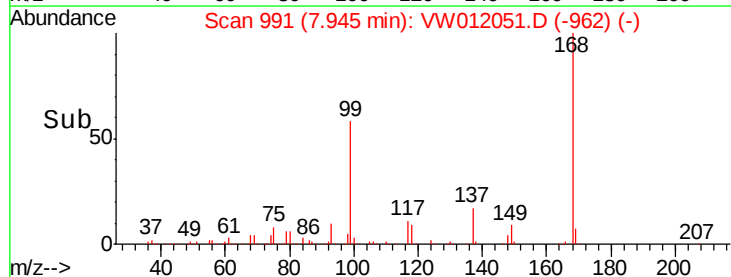
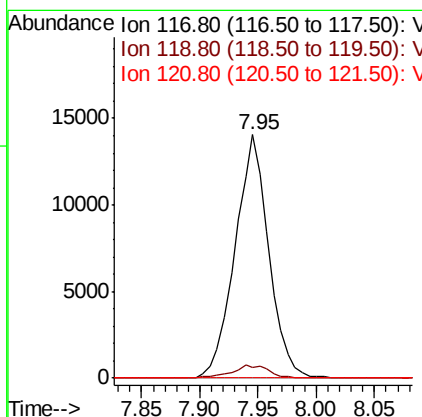
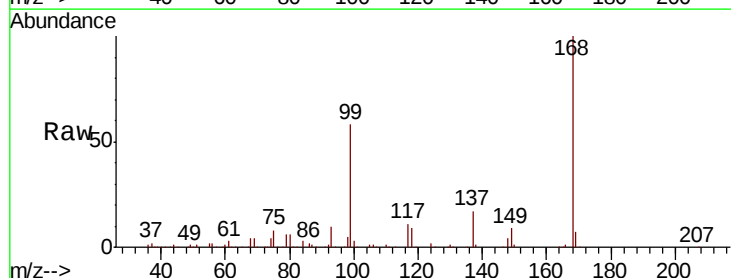
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A3-(2)

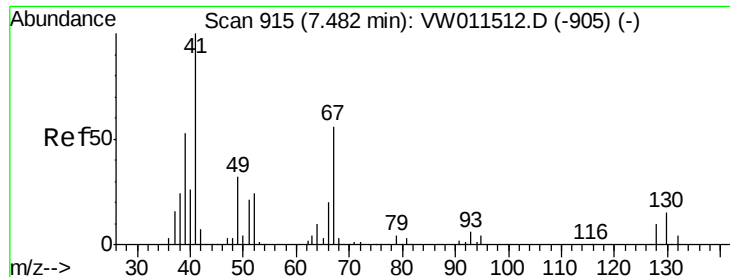
Tgt Ion: 75 Resp: 24122
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.6 46.8#
 77 0.2 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.824 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012051.D
 Acq: 21 Aug 2019 00:49

Tgt Ion: 117 Resp: 28338
 Ion Ratio Lower Upper
 117 100
 119 4.4 75.8 113.6#
 121 0.0 24.7 37.1#

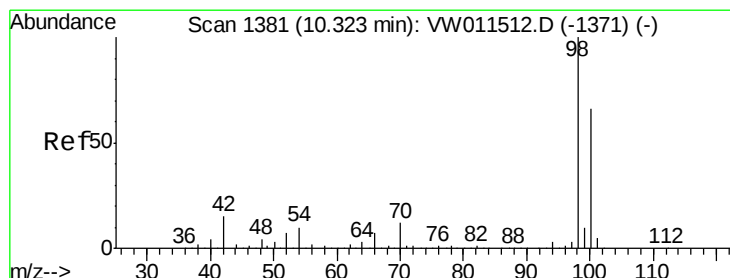
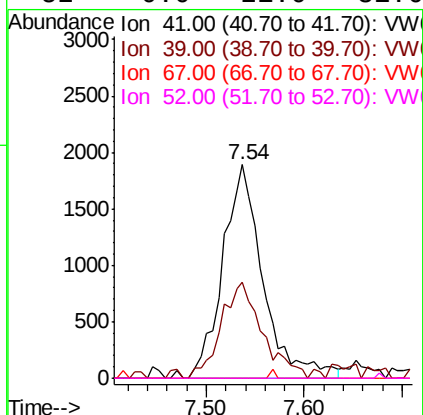
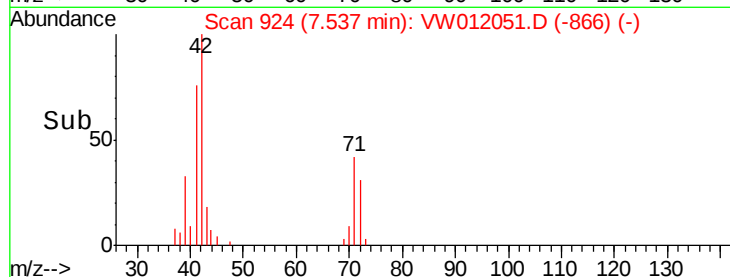
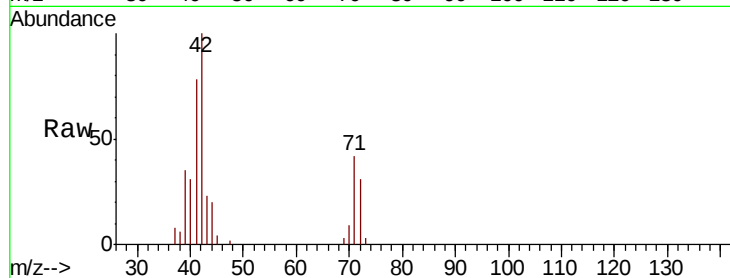




#41
Methacrylonitrile
Concen: 3.239 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012051.D
Acq: 21 Aug 2019 00:49

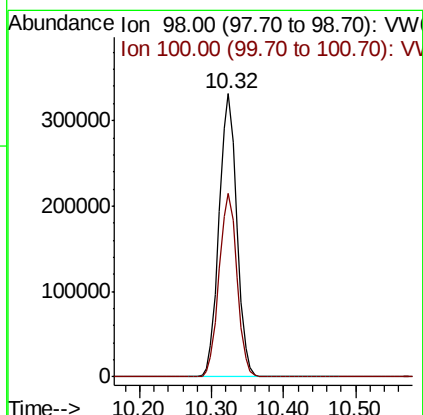
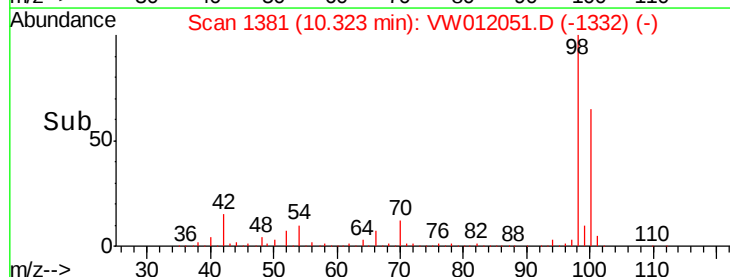
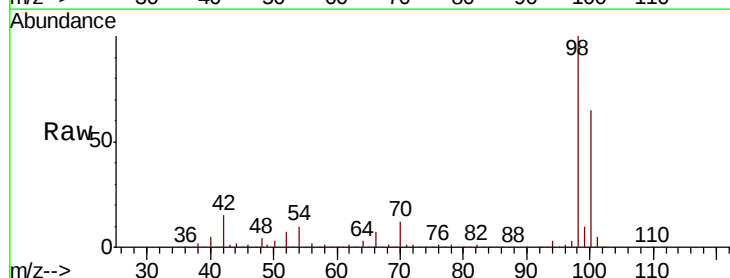
Instrument :
MSVOA_W
ClientSampleId :
T4-A3-(2)

Tgt Ion: 41 Resp: 5403
Ion Ratio Lower Upper
41 100
39 45.9 43.0 64.4
67 0.0 47.5 71.3#
52 0.0 21.0 31.6#



#50
Toluene-d8
Concen: 52.973 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012051.D
Acq: 21 Aug 2019 00:49

Tgt Ion: 98 Resp: 567610
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1

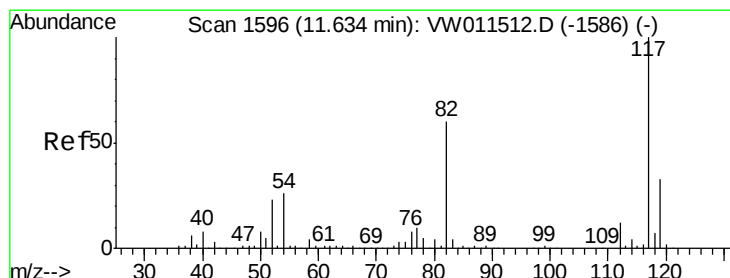
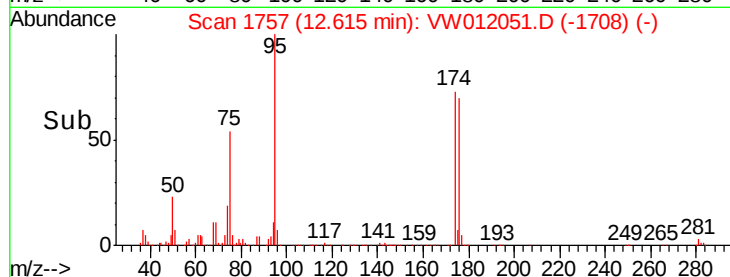
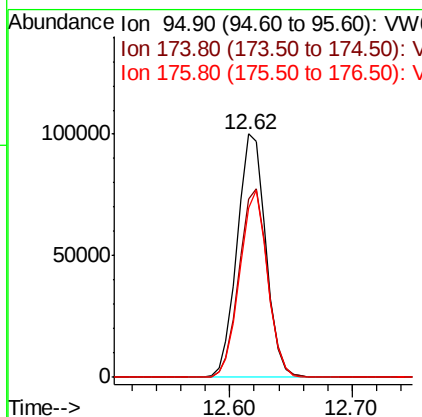
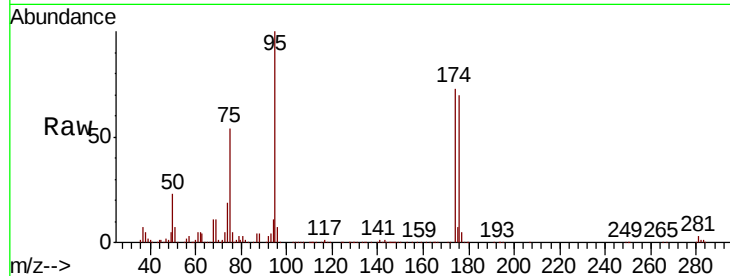




#62
4-Bromofluorobenzene
Concen: 42.256 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012051.D
Acq: 21 Aug 2019 00:49

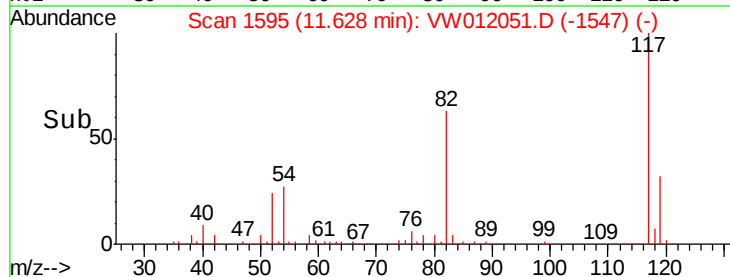
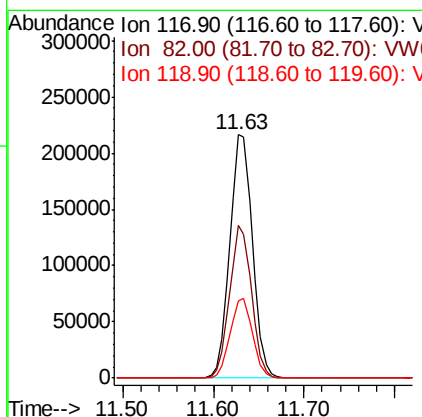
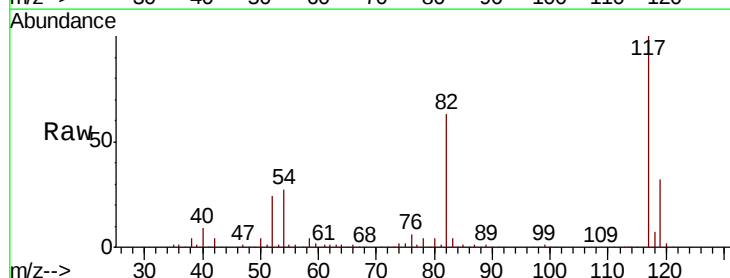
Instrument :
MSVOA_W
ClientSampleId :
T4-A3-(2)

Tgt Ion: 95 Resp: 161424
Ion Ratio Lower Upper
95 100
174 77.6 0.0 150.2
176 75.1 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: VW012051.D
Acq: 21 Aug 2019 00:49

Tgt Ion: 117 Resp: 374728
Ion Ratio Lower Upper
117 100
82 62.6 47.9 71.9
119 31.5 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012051.D

Acq: 21 Aug 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

T4-A3-(2)

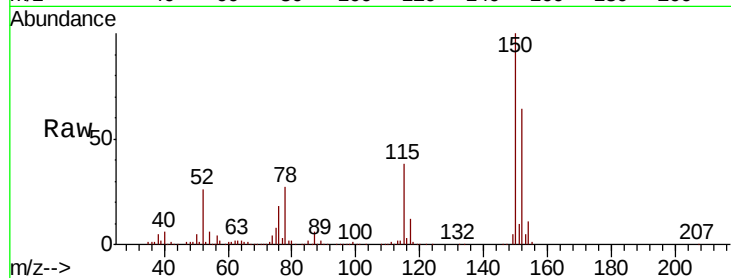
Tgt Ion:152 Resp: 125680

Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

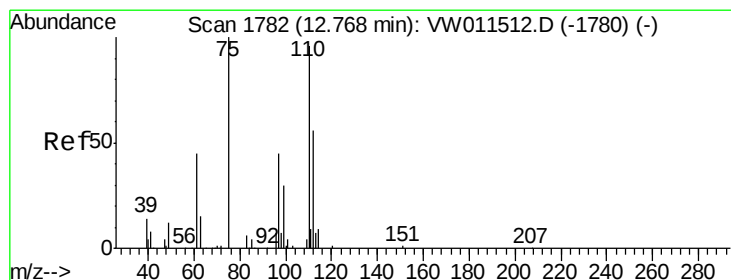
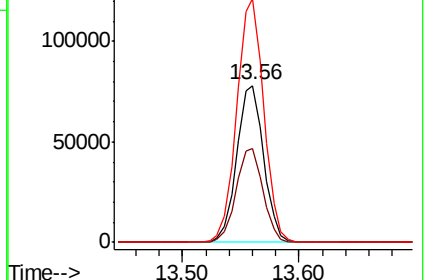
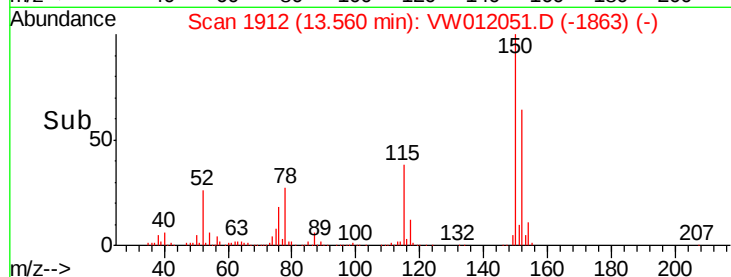
150 155.7 0.0 352.6



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: 65.318 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012051.D

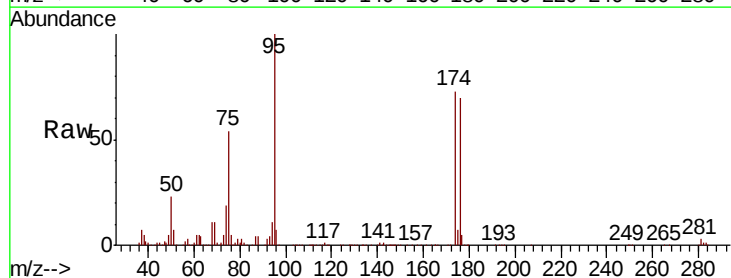
Acq: 21 Aug 2019 00:49

Tgt Ion: 75 Resp: 86862

Ion Ratio Lower Upper

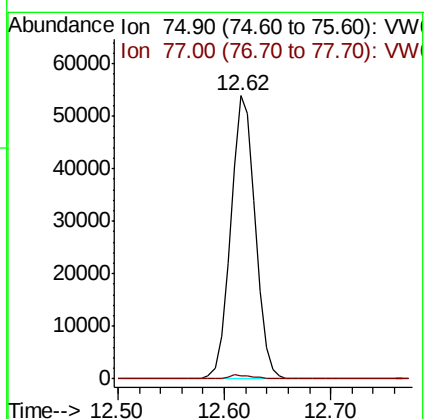
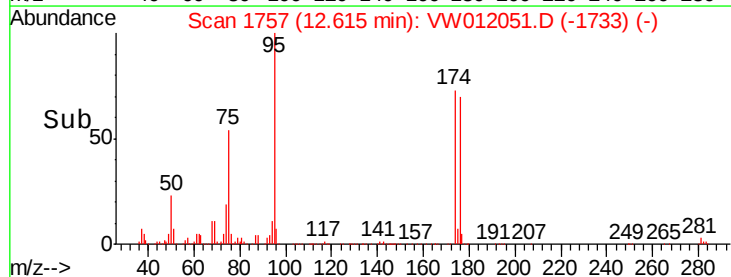
75 100

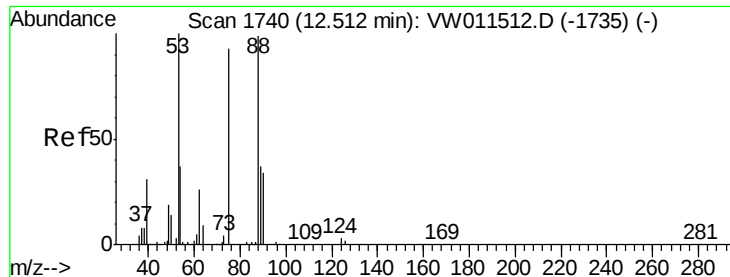
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 150.535 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012051.D

Acq: 21 Aug 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

T4-A3-(2)

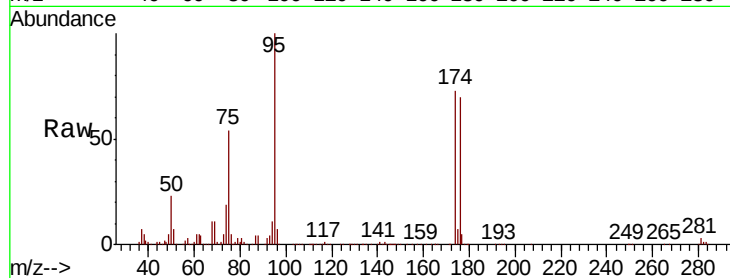
Tgt Ion: 75 Resp: 86862

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

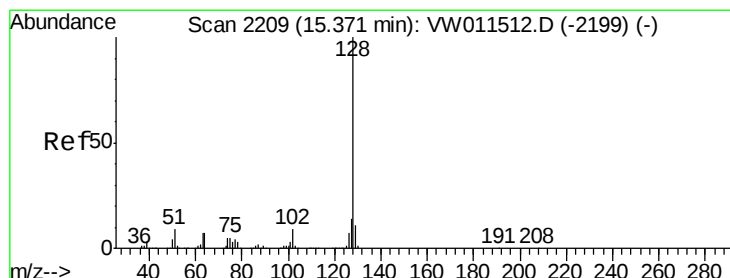
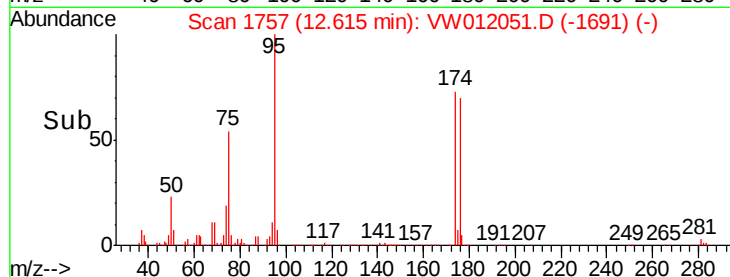
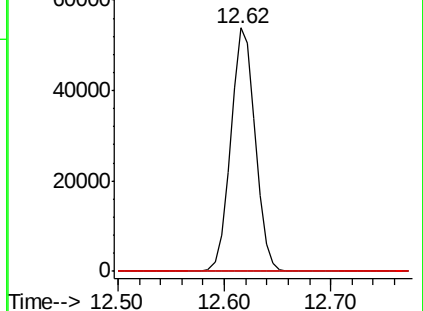
89 0.0 35.3 52.9#



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



#95

Naphthalene

Concen: 2.141 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW012051.D

Acq: 21 Aug 2019 00:49

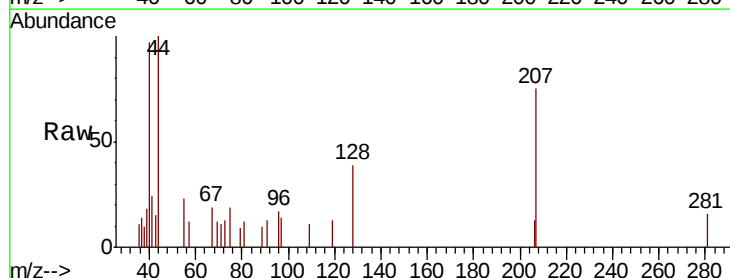
Tgt Ion: 128 Resp: 389

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

