

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012897.D
 Acq On : 11 Sep 2019 04:29
 Operator : SY/VA
 Sample : K4680-03
 Misc : 7.44G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-1-(1.5)

Quant Time: Sep 11 08:24:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	244497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	364885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	279357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	97344	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	130667	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
35) Dibromofluoromethane	7.88	113	105172	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	10.32	98	423680	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.62	95	114529	37.12	ug/l	0.00
Spiked Amount			Recovery	=	74.24%	

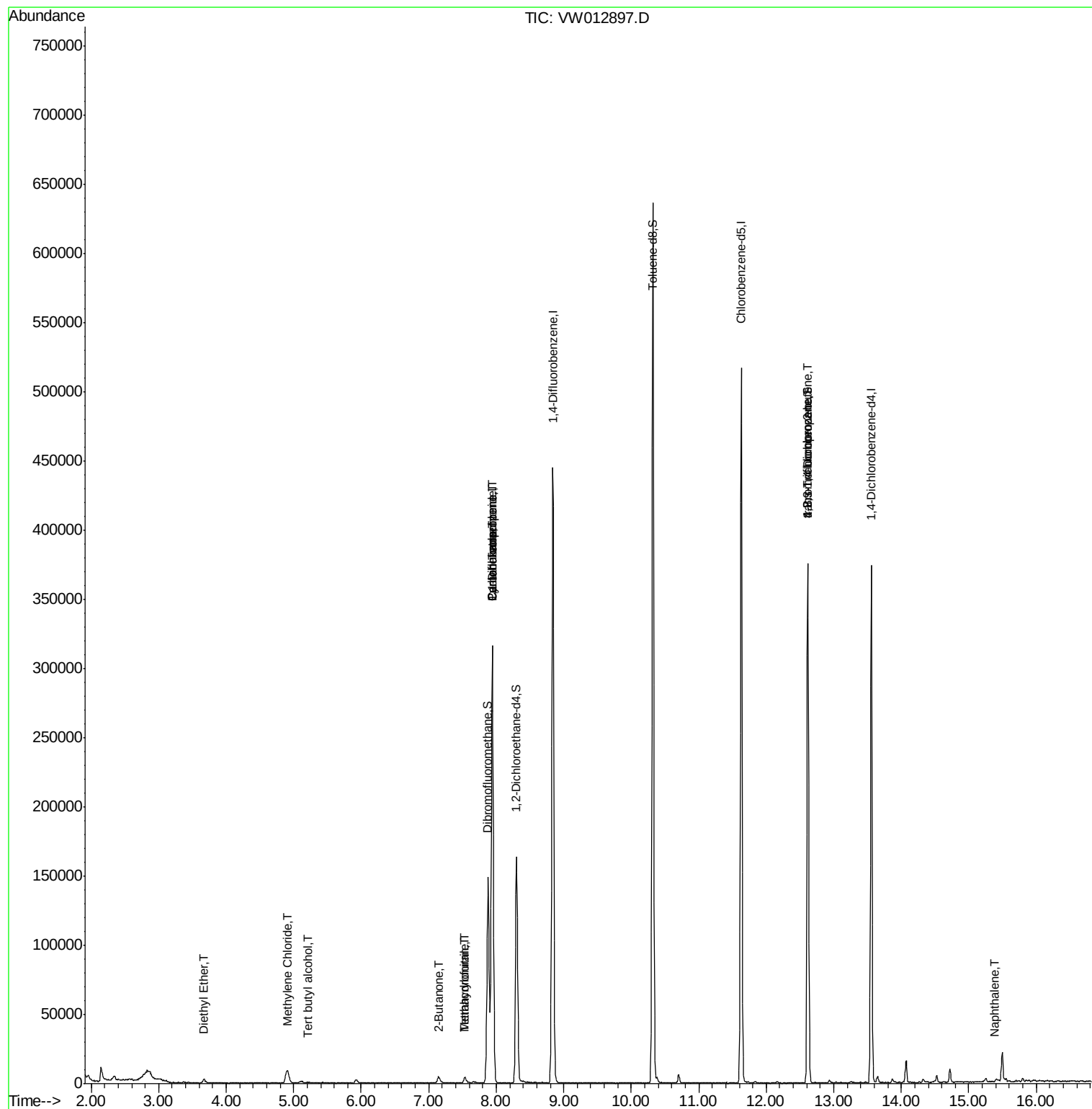
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1760	1.536	ug/l	85
11) Tert butyl alcohol	5.22	59	773	3.698	ug/l #	72
20) Methylene Chloride	4.91	84	7100	3.047	ug/l	83
25) 2-Butanone	7.15	43	284	19.919	ug/l #	53
29) Tetrahydrofuran	7.53	42	3656	6.079	ug/l	95
31) Cyclohexane	7.94	56	5025	1.251	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18638	5.749	ug/l #	52
38) Carbon Tetrachloride	7.94	117	23329	7.300	ug/l #	17
41) Methacrylonitrile	7.53	41	2361	5.390	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	61243	61.527	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61243	130.134	ug/l #	6
95) Naphthalene	15.37	128	199	4.483	ug/l #	69

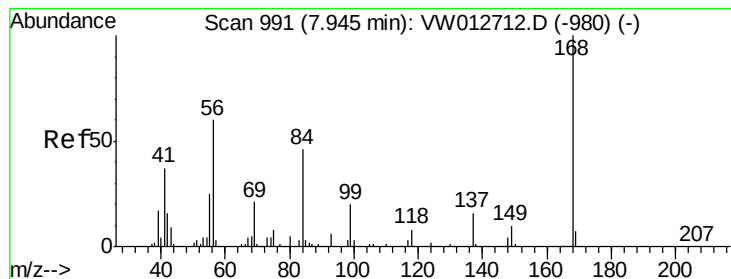
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012897.D

Acq: 11 Sep 2019 04:29

Instrument :

MSVOA_W

ClientSampleId :

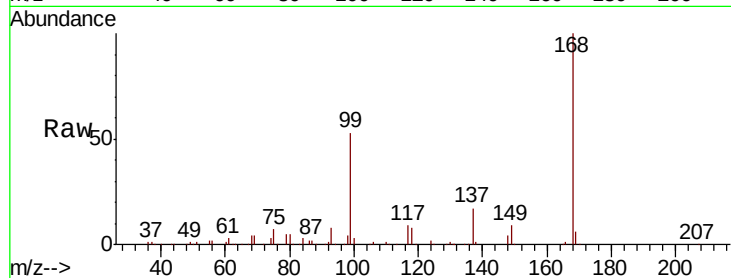
T1-1-(1.5)

Tgt Ion:168 Resp: 244497

Ion Ratio Lower Upper

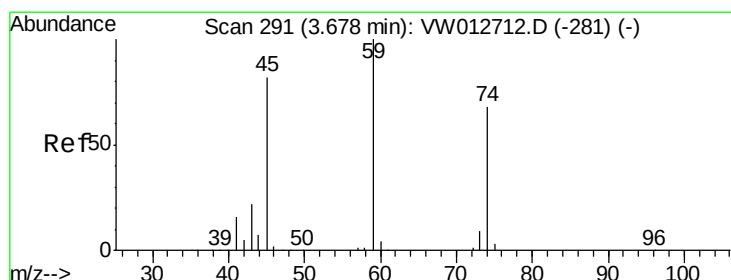
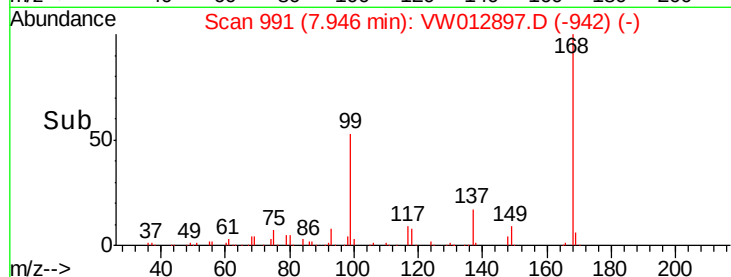
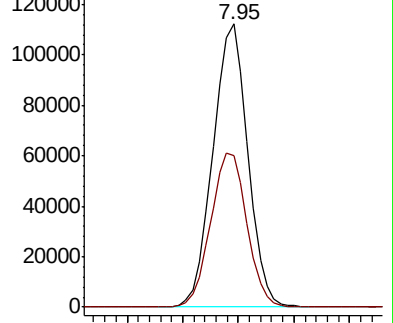
168 100

99 53.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.536 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012897.D

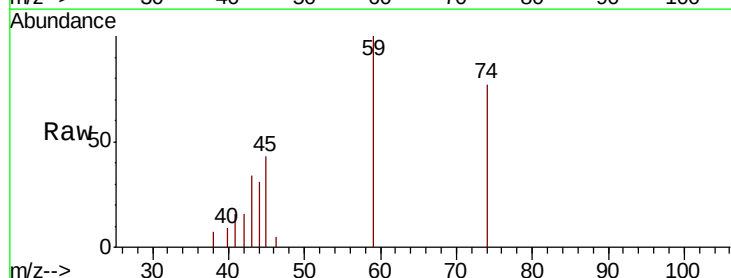
Acq: 11 Sep 2019 04:29

Tgt Ion: 74 Resp: 1760

Ion Ratio Lower Upper

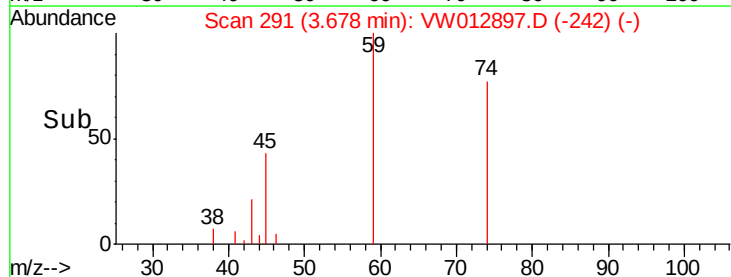
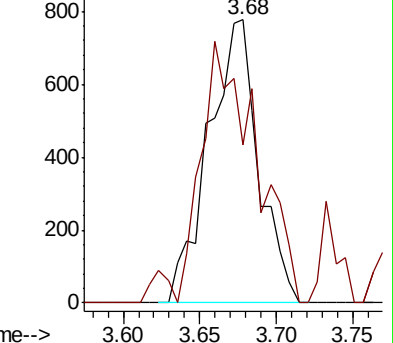
74 100

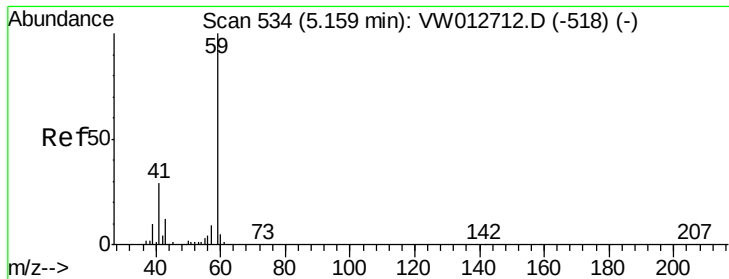
45 101.5 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



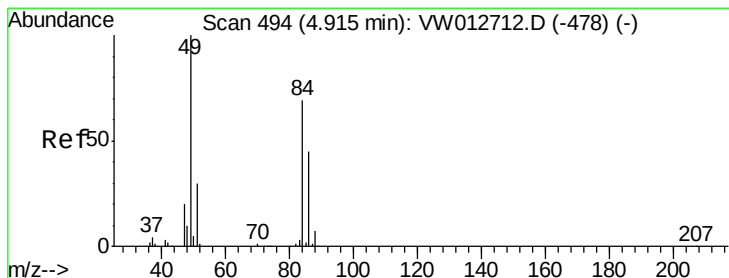
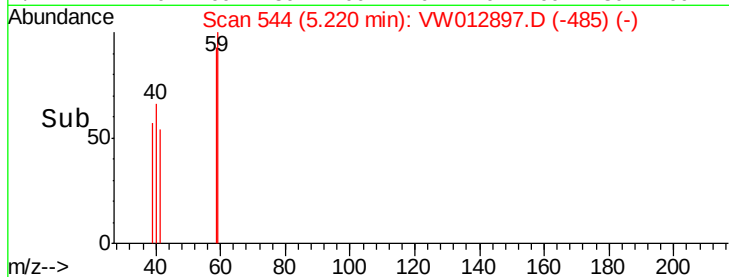
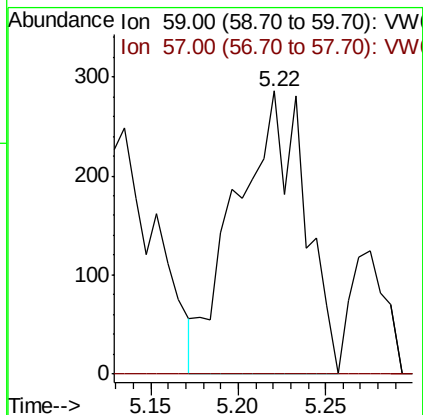
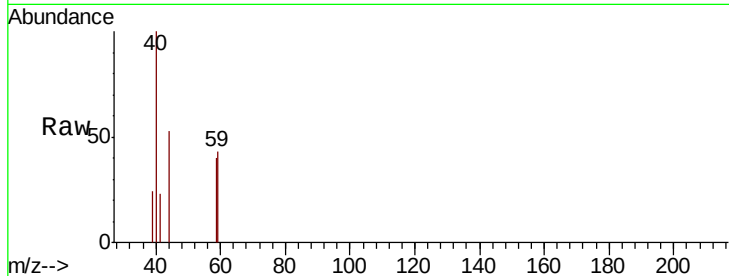


#11

Tert butyl alcohol
 Concen: 3.698 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.06 min
 Lab File: VW012897.D
 Acq: 11 Sep 2019 04:29

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-1-(1.5)

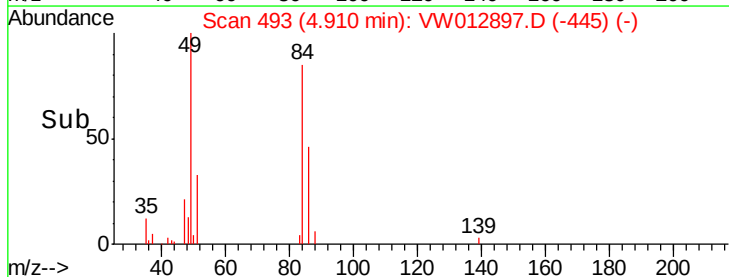
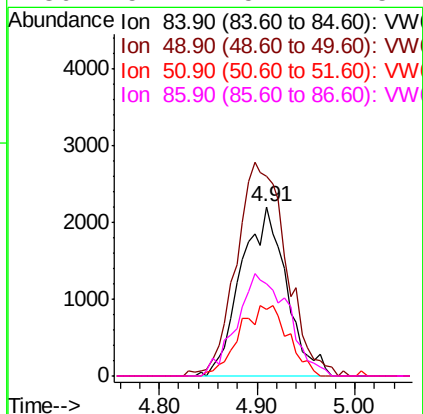
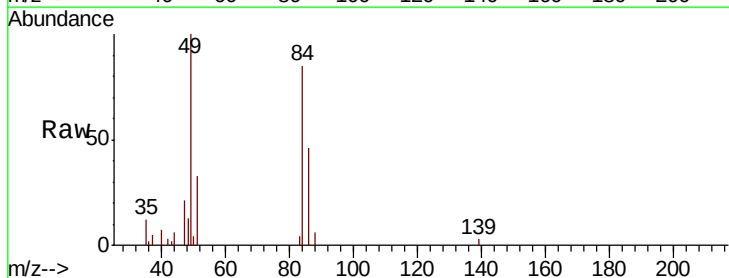
Tgt Ion: 59 Resp: 773
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

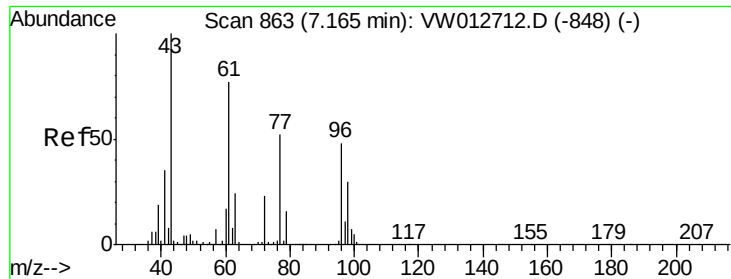


#20

Methylene Chloride
 Concen: 3.047 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012897.D
 Acq: 11 Sep 2019 04:29

Tgt Ion: 84 Resp: 7100
 Ion Ratio Lower Upper
 84 100
 49 118.3 115.4 173.0
 51 39.6 34.9 52.3
 86 54.2 52.2 78.4





#25

2-Butanone

Concen: 19.919 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012897.D

Acq: 11 Sep 2019 04:29

Instrument :

MSVOA_W

ClientSampled :

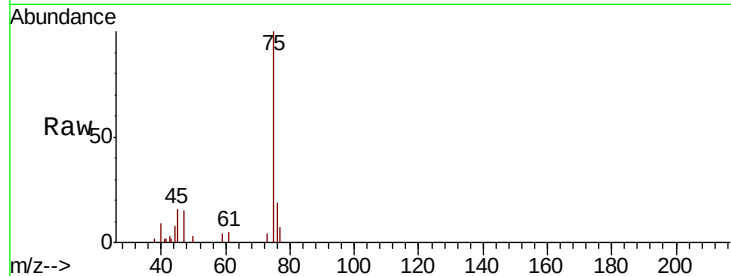
T1-1-(1.5)

Tgt Ion: 43 Resp: 284

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

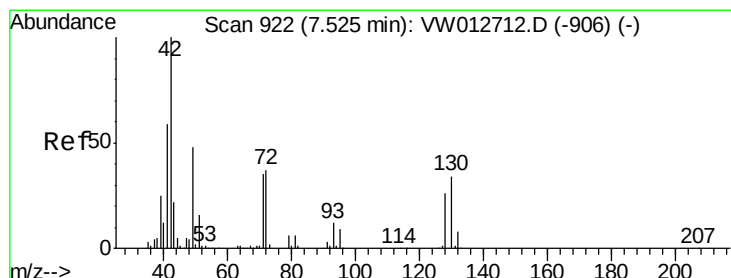
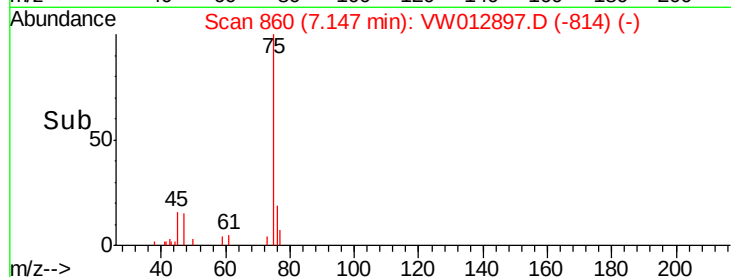
100

50

0

7.10 7.15 7.20

Time-->



#29

Tetrahydrofuran

Concen: 6.079 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012897.D

Acq: 11 Sep 2019 04:29

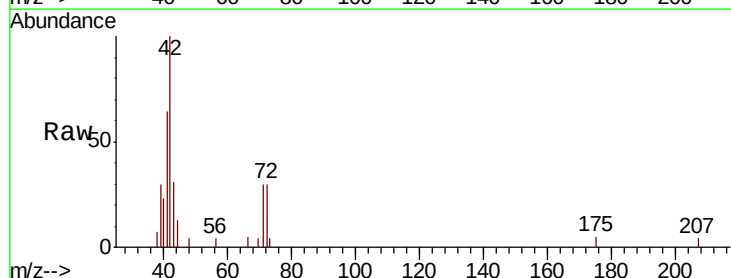
Tgt Ion: 42 Resp: 3656

Ion Ratio Lower Upper

42 100

72 41.0 28.4 42.6

71 33.3 27.1 40.7



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

1500

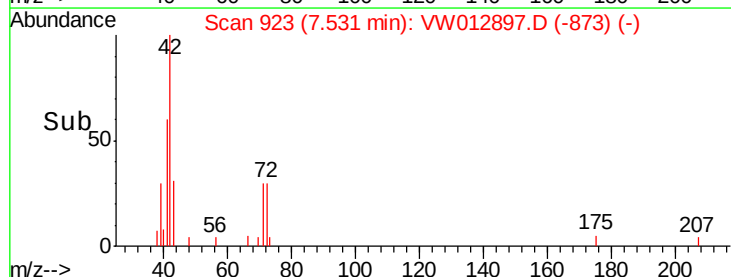
1000

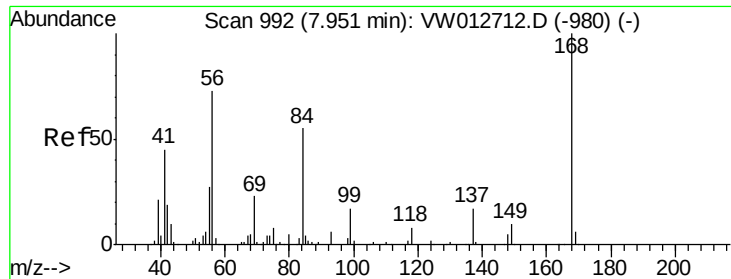
500

0

7.50 7.53 7.56

Time-->

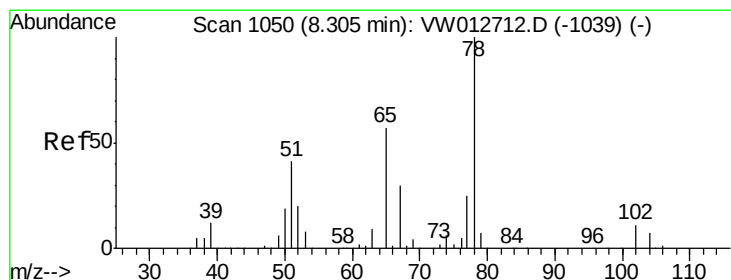
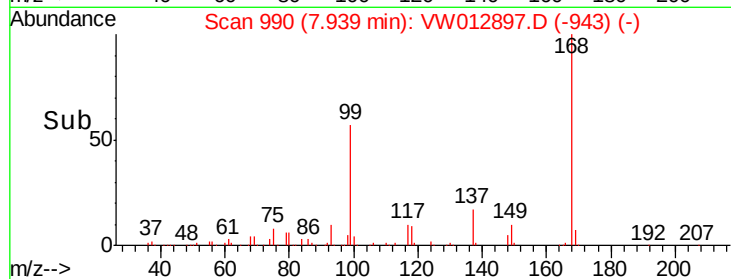
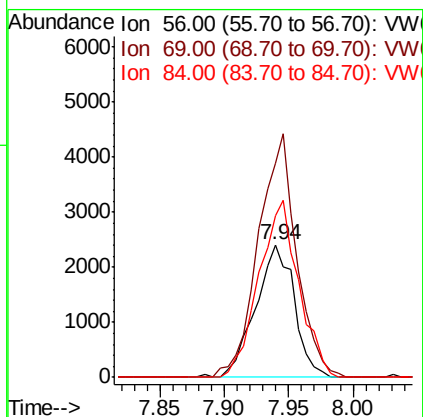
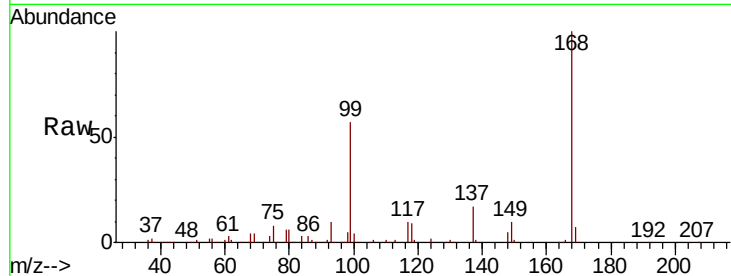




#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012897.D
Acq: 11 Sep 2019 04:29

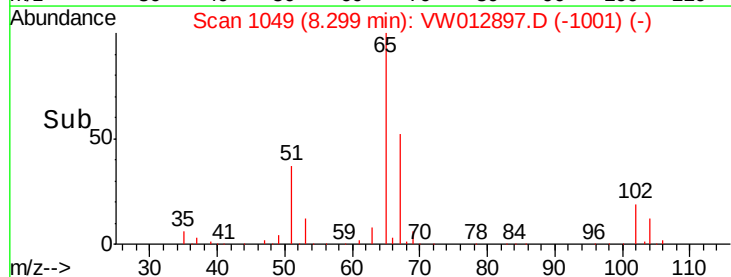
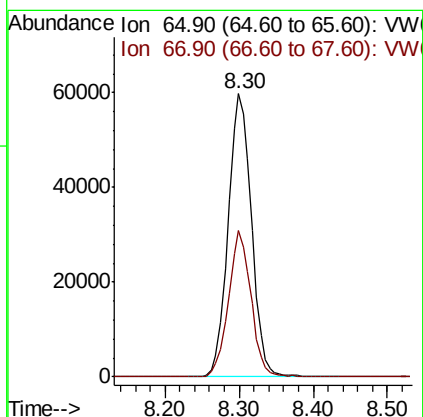
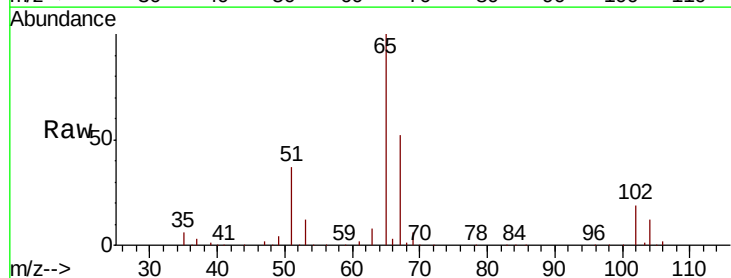
Instrument :
MSVOA_W
ClientSampled :
T1-1-(1.5)

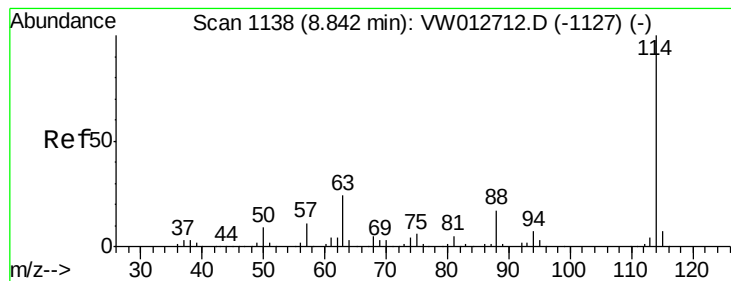
Tgt Ion: 56 Resp: 5025
Ion Ratio Lower Upper
56 100
69 160.8 25.7 38.5#
84 121.3 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 47.831 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW012897.D
Acq: 11 Sep 2019 04:29

Tgt Ion: 65 Resp: 130667
Ion Ratio Lower Upper
65 100
67 50.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW012897.D

Acq: 11 Sep 2019 04:29

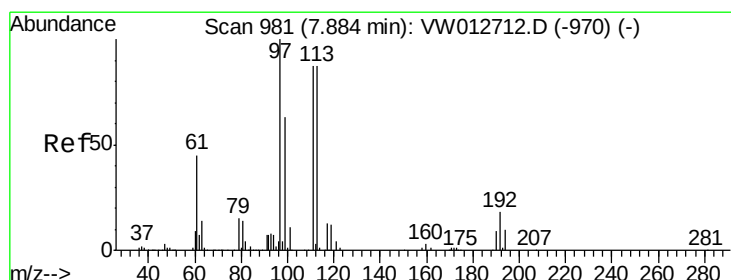
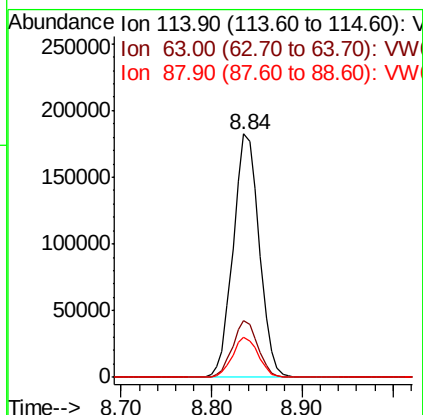
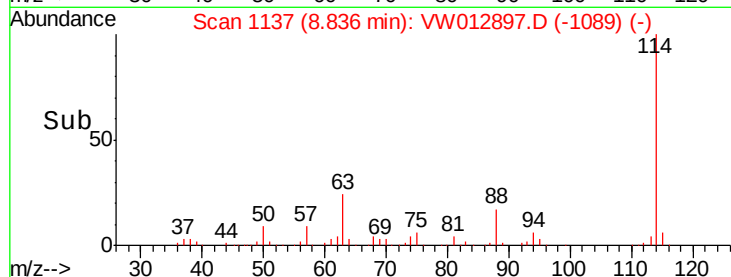
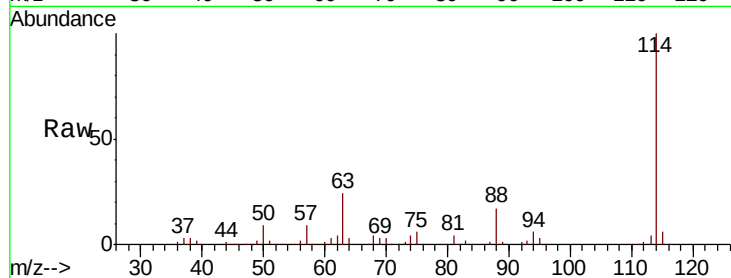
Instrument :

MSVOA_W

ClientSampleId :

T1-1-(1.5)

Tgt Ion:	114	Resp:	364885
Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	47.2
88	16.5	0.0	34.0



#35

Dibromofluoromethane

Concen: 48.481 ug/l

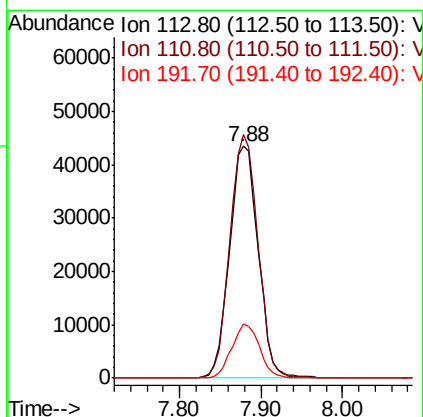
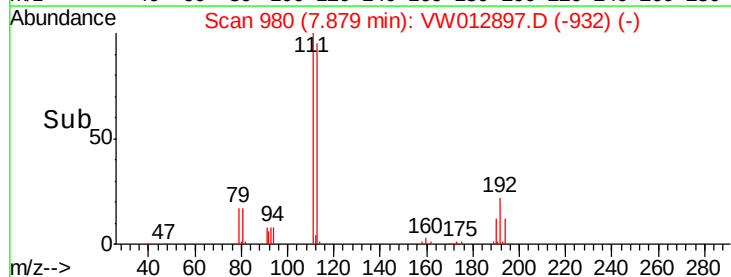
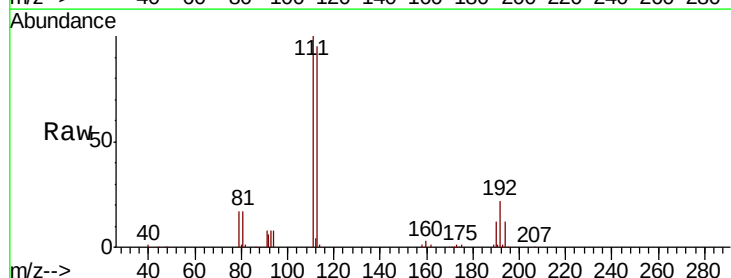
RT: 7.88 min Scan# 980

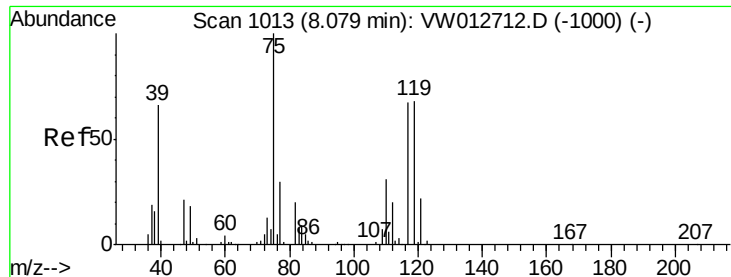
Delta R.T. -0.01 min

Lab File: VW012897.D

Acq: 11 Sep 2019 04:29

Tgt Ion:	113	Resp:	105172
Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.2	120.4
192	22.6	17.3	25.9

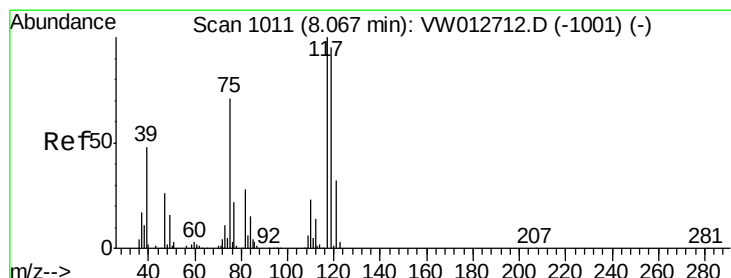
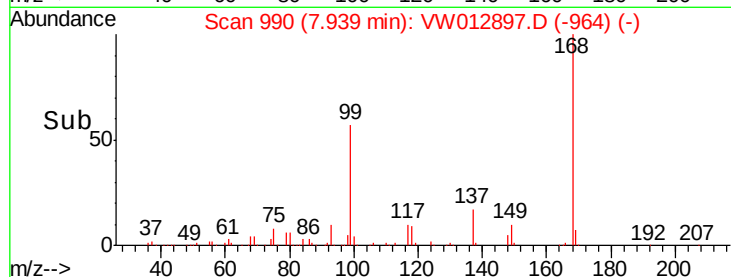
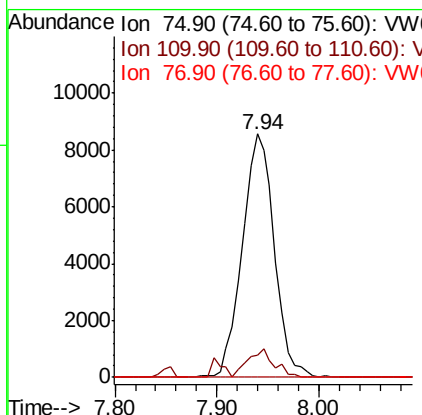
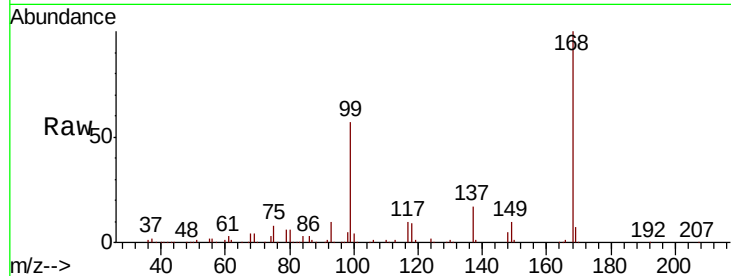




#36
 1,1-Dichloropropene
 Concen: 5.749 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012897.D
 Acq: 11 Sep 2019 04:29

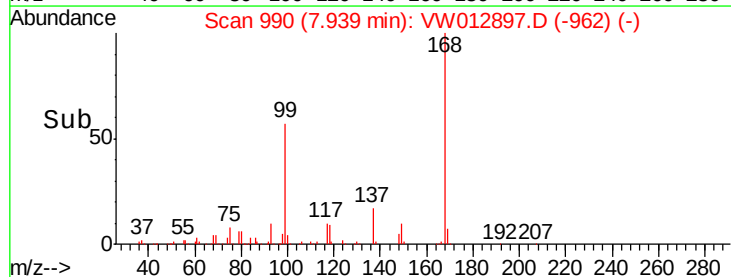
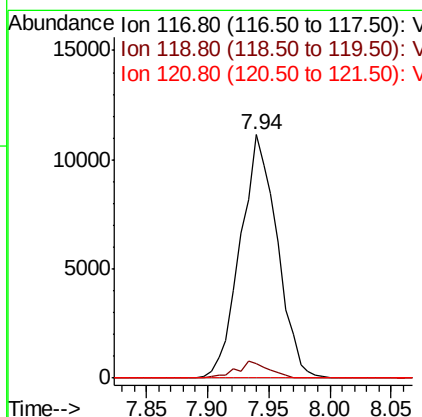
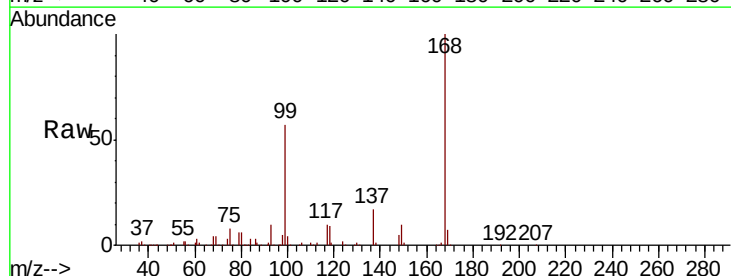
Instrument :
 MSVOA_W
 ClientSampled :
 T1-1-(1.5)

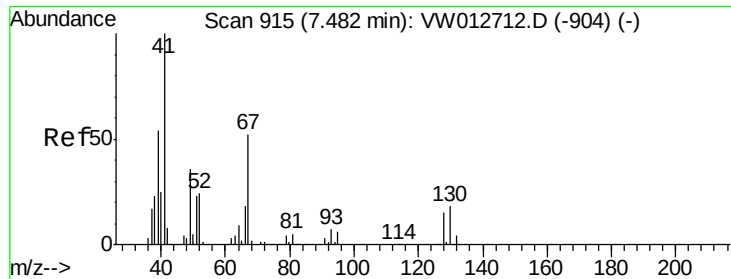
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.300 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012897.D
 Acq: 11 Sep 2019 04:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.2	114.2#
121	0.0	25.4	38.2#

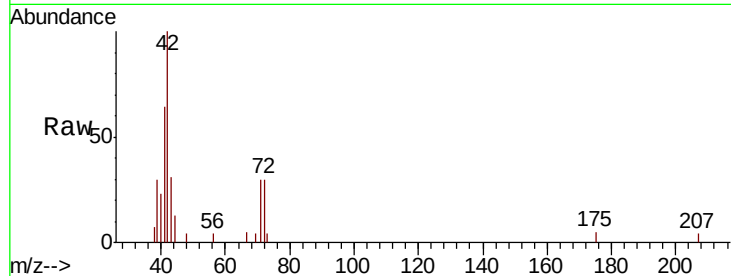




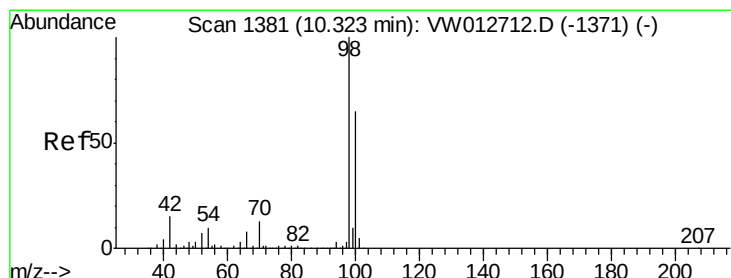
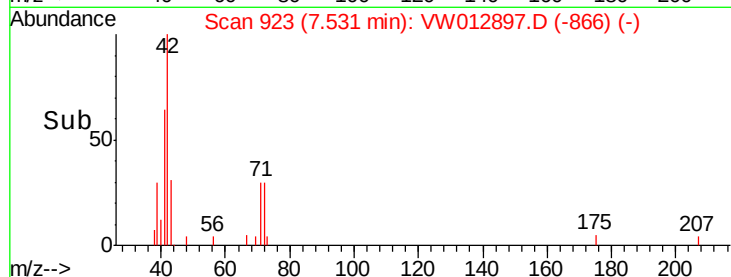
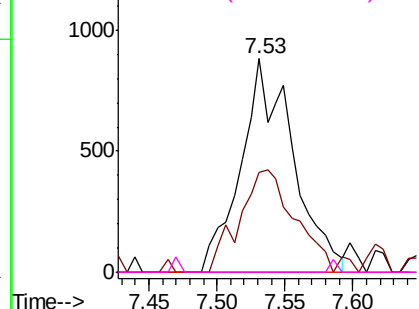
#41
Methacrylonitrile
Concen: 5.390 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012897.D
Acq: 11 Sep 2019 04:29

Instrument :
MSVOA_W
ClientSampleId :
T1-1-(1.5)

Tgt Ion:	41	Resp:	2361
Ion	Ratio	Lower	Upper
41	100		
39	51.1	47.5	71.3
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#

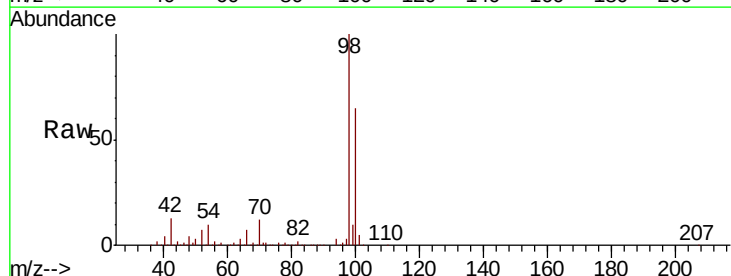


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

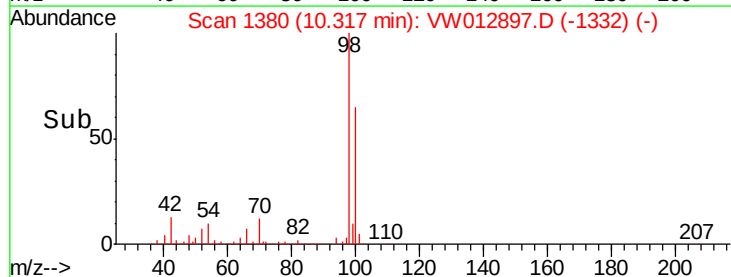
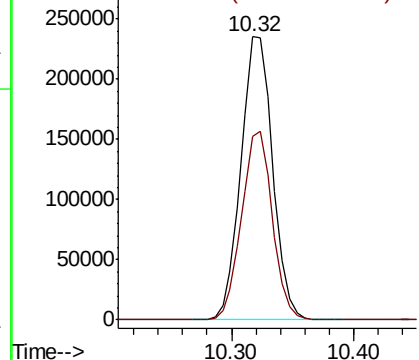


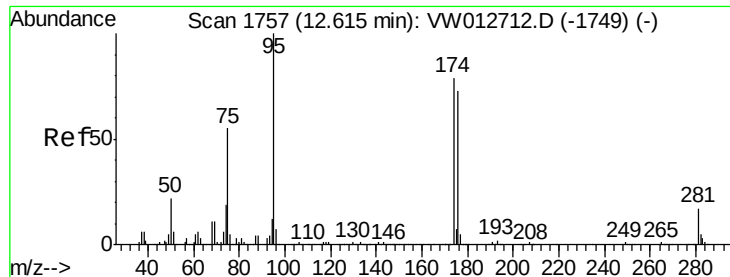
#50
Toluene-d8
Concen: 49.851 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VW012897.D
Acq: 11 Sep 2019 04:29

Tgt Ion:	98	Resp:	423680
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

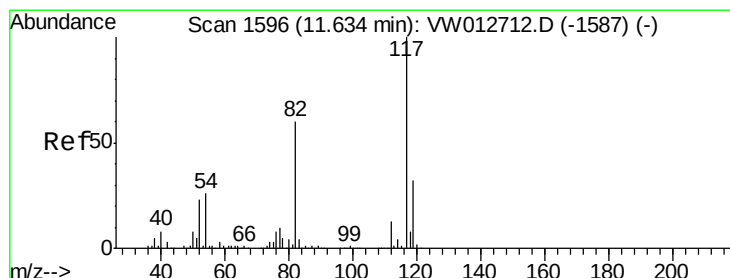
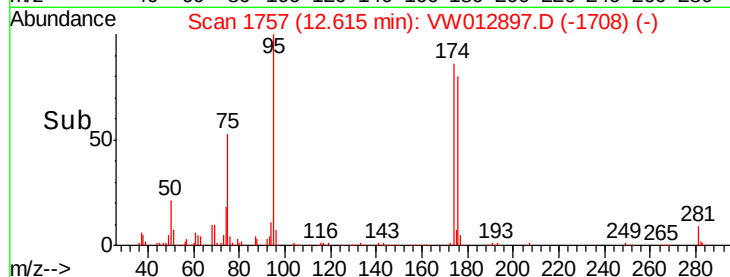
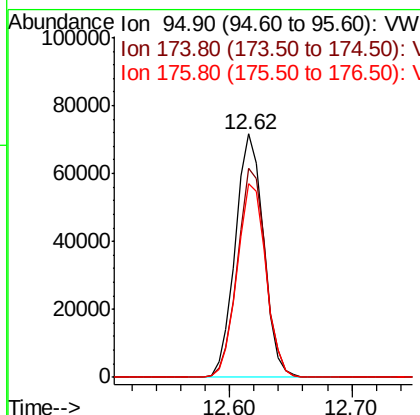
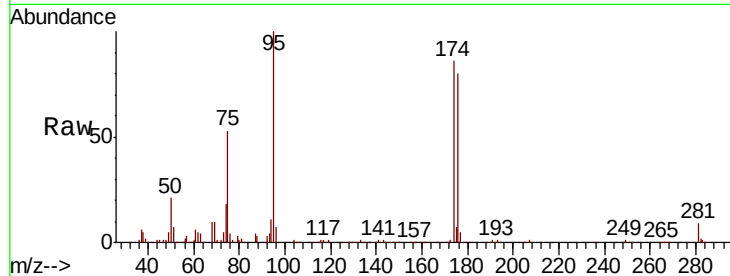




#62
4-Bromofluorobenzene
Concen: 37.120 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012897.D
Acq: 11 Sep 2019 04:29

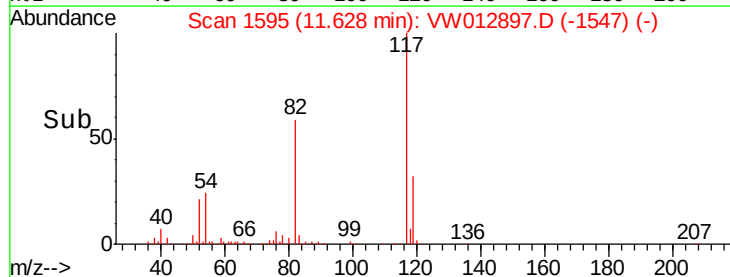
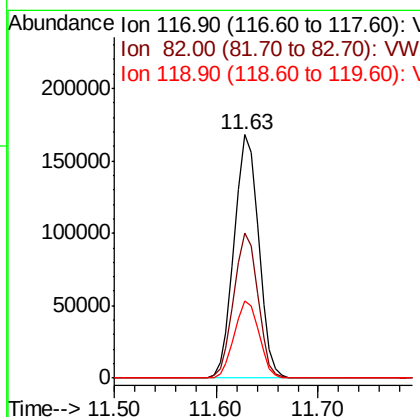
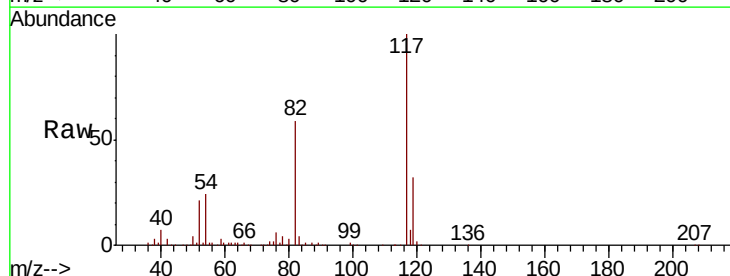
Instrument :
MSVOA_W
ClientSampleId :
T1-1-(1.5)

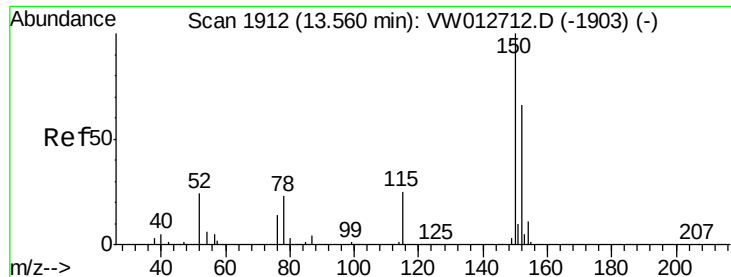
Tgt Ion: 95 Resp: 114529
Ion Ratio Lower Upper
95 100
174 85.8 0.0 161.0
176 81.2 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012897.D
Acq: 11 Sep 2019 04:29

Tgt Ion: 117 Resp: 279357
Ion Ratio Lower Upper
117 100
82 59.4 48.2 72.4
119 31.5 25.8 38.6



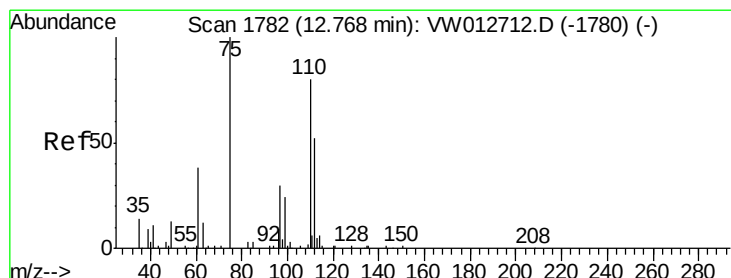
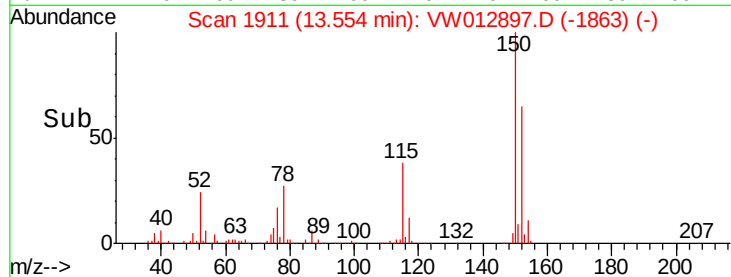
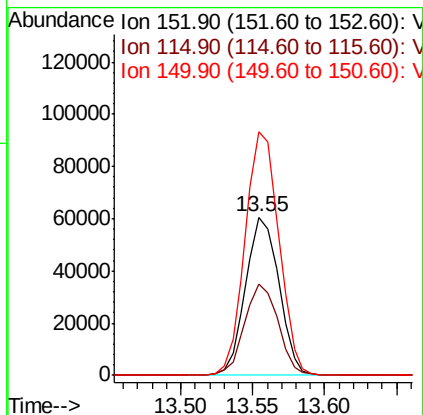
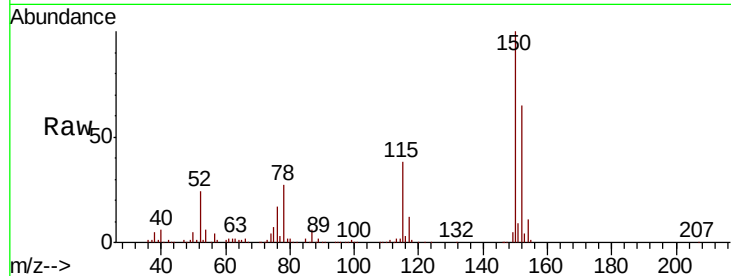


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012897.D
Acq: 11 Sep 2019 04:29

Instrument :
MSVOA_W
ClientSampleId :
T1-1-(1.5)

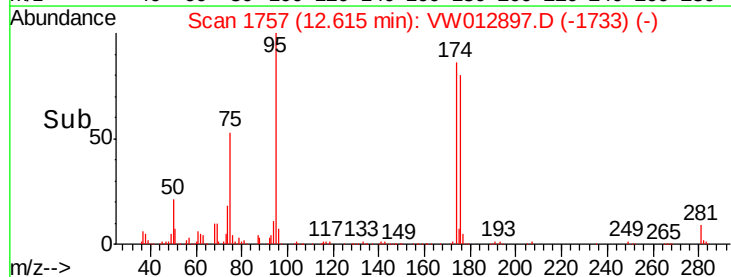
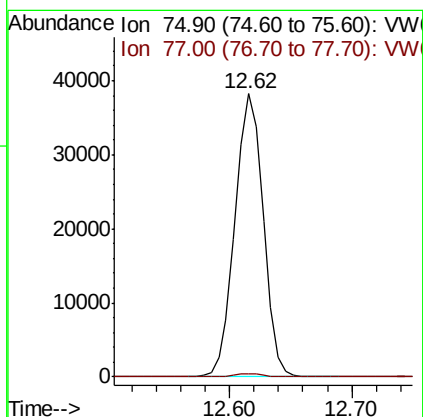
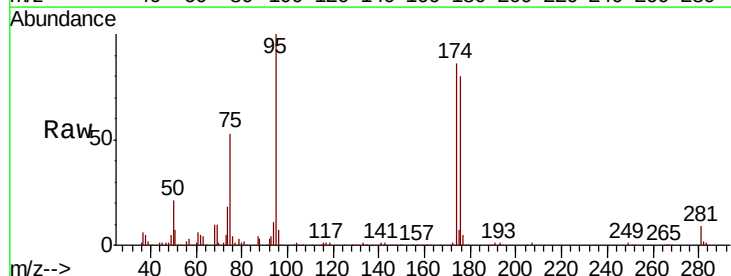
Tgt Ion:152 Resp: 97344
Ion Ratio Lower Upper
152 100
115 57.8 30.0 90.1
150 155.5 0.0 349.0

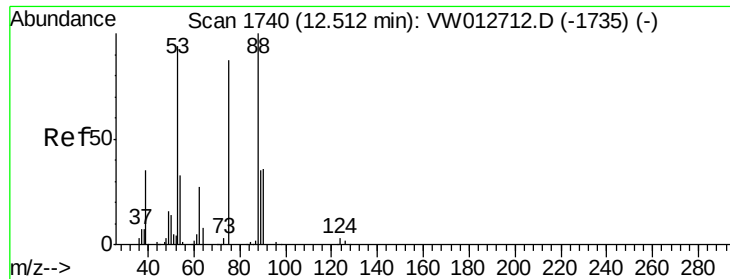


#76

1,2,3-Trichloropropane
Concen: 61.527 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012897.D
Acq: 11 Sep 2019 04:29

Tgt Ion: 75 Resp: 61243
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 130.134 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012897.D

Acq: 11 Sep 2019 04:29

Instrument :

MSVOA_W

ClientSampleId :

T1-1-(1.5)

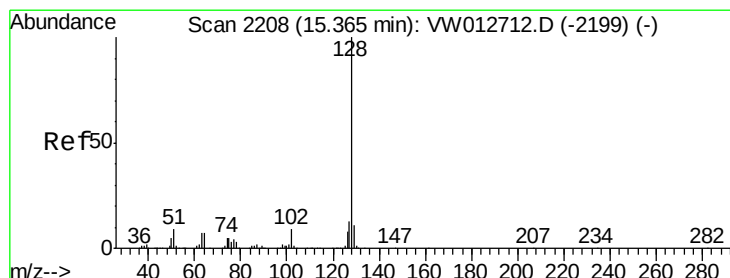
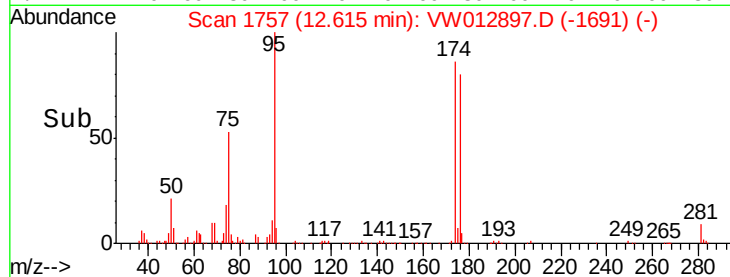
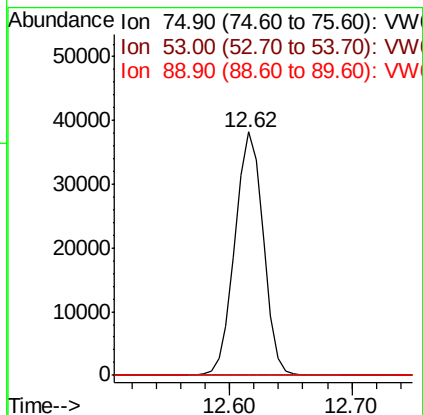
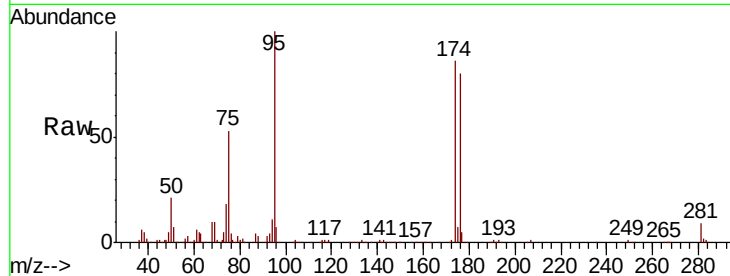
Tgt Ion: 75 Resp: 61243

Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.1 35.5 53.3#



#95

Naphthalene

Concen: 4.483 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012897.D

Acq: 11 Sep 2019 04:29

Tgt Ion: 128 Resp: 199

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

