

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011696.D
 Acq On : 04 Aug 2019 06:26
 Operator : SY/VA
 Sample : K4156-04
 Misc : 10.79G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT1873

Quant Time: Aug 05 01:08:20 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	25014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	36095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	27996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	7120	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	15839	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
35) Dibromofluoromethane	7.88	113	12395	61.21	ug/l	0.00
Spiked Amount			Recovery	=	122.42%	
50) Toluene-d8	10.32	98	42605	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.62	95	11081	37.49	ug/l	0.00
Spiked Amount			Recovery	=	74.98%	

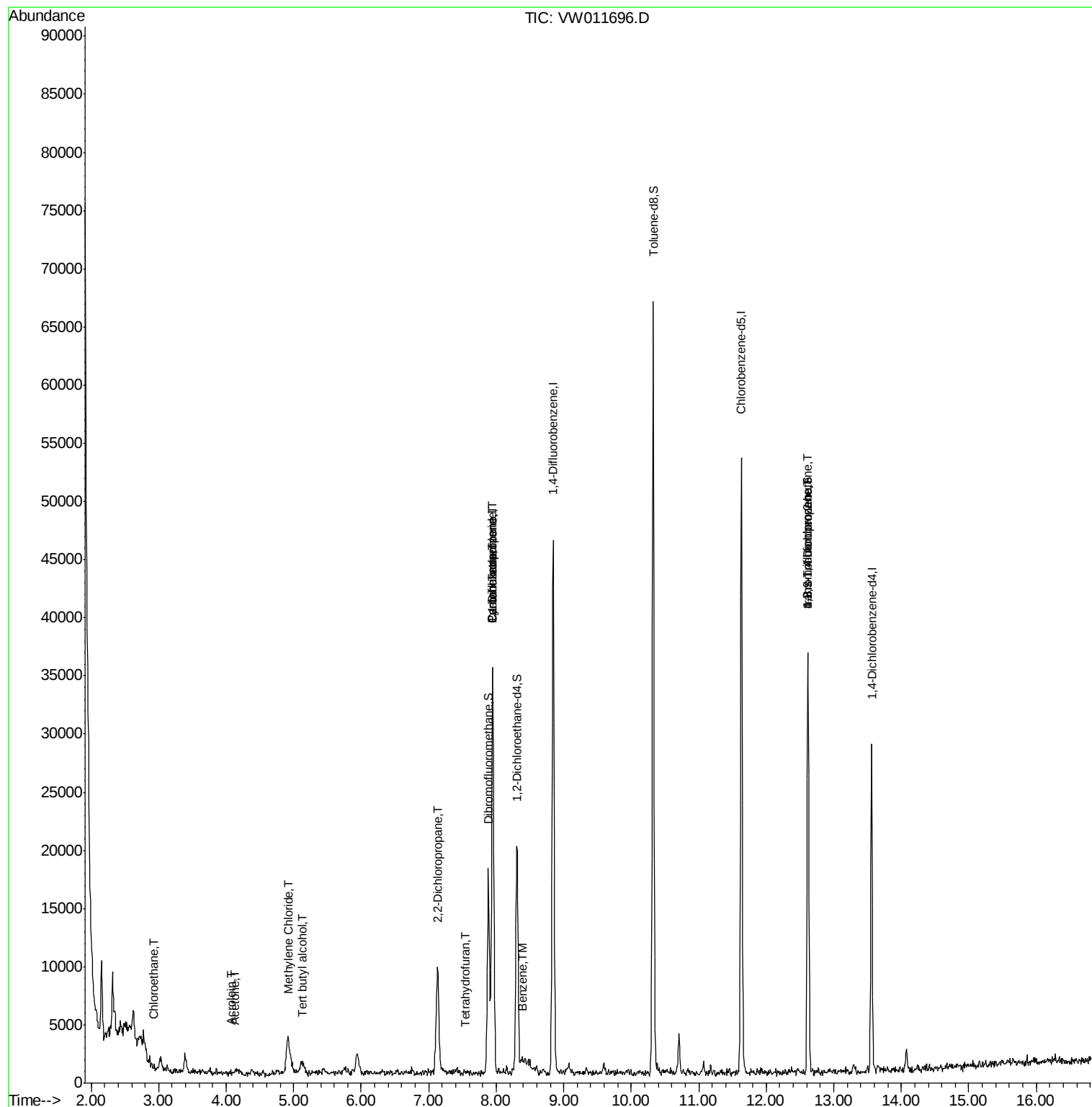
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.92	64	223	1.341	ug/l #	44
11) Tert butyl alcohol	5.12	59	1129	38.151	ug/l #	77
13) Acrolein	4.07	56	41	1.989	ug/l #	15
16) Acetone	4.13	43	435	4.761	ug/l #	79
20) Methylene Chloride	4.93	84	1922	6.100	ug/l #	81
26) 2,2-Dichloropropane	7.13	77	744	2.162	ug/l #	54
29) Tetrahydrofuran	7.54	42	120	1.756	ug/l #	66
31) Cyclohexane	7.94	56	874	1.627	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	2323	6.189	ug/l #	51
38) Carbon Tetrachloride	7.95	117	2612	8.129	ug/l #	19
40) Benzene	8.38	78	1660	1.579	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	5927	78.672	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	5927	181.313	ug/l #	6

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

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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# 992

Delta R.T. 0.01 min

Lab File: VW011696.D

Acq: 04 Aug 2019 06:26

Instrument :

MSVOA_W

ClientSampled :

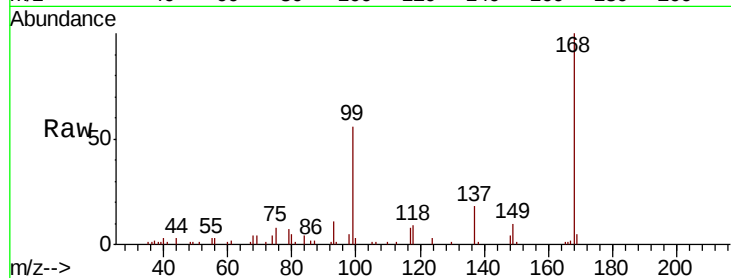
RT1873

Tot Ion:168 Resp: 25014

Ion Ratio Lower Upper

168 100

99 56.4 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

12000

10000

8000

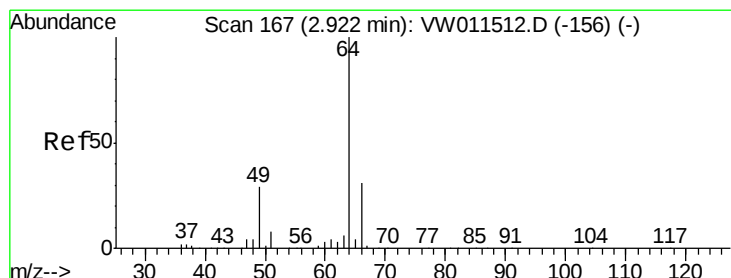
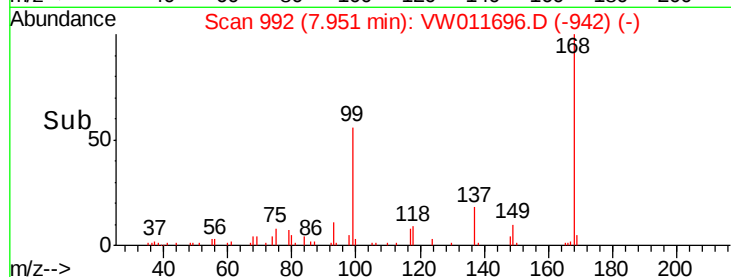
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 1.341 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011696.D

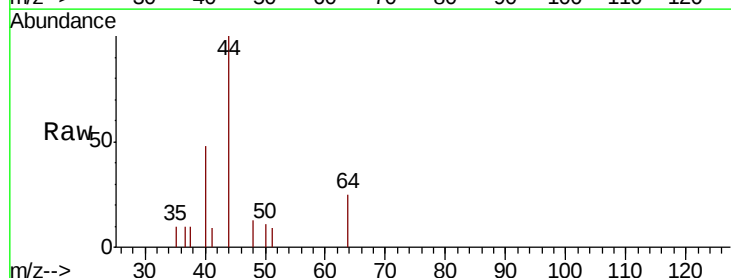
Acq: 04 Aug 2019 06:26

Tgt Ion: 64 Resp: 223

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

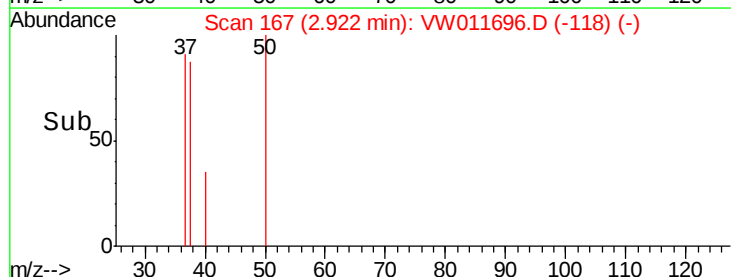
150

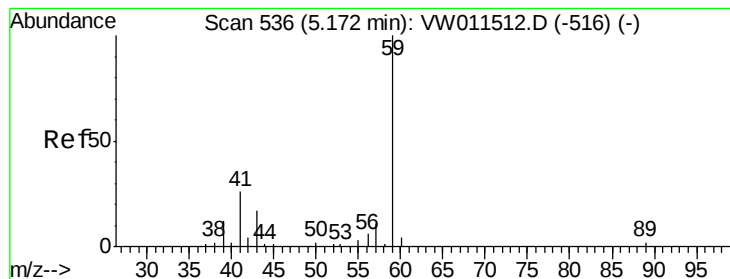
100

50

0

Time-->





#11

Tert butyl alcohol

Concen: 38.151 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW011696.D

Acq: 04 Aug 2019 06:26

Instrument :

MSVOA_W

ClientSampled :

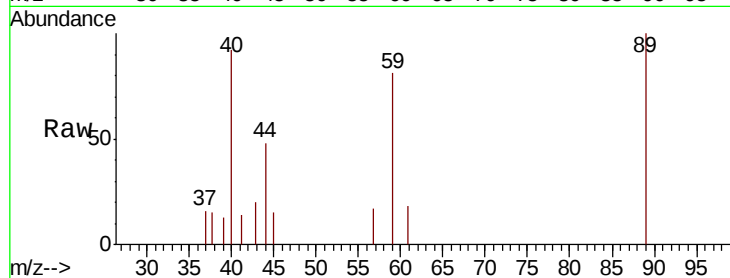
RT1873

Tot Ion: 59 Resp: 1129

Ion Ratio Lower Upper

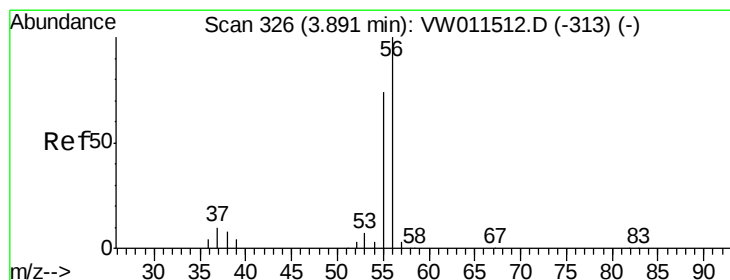
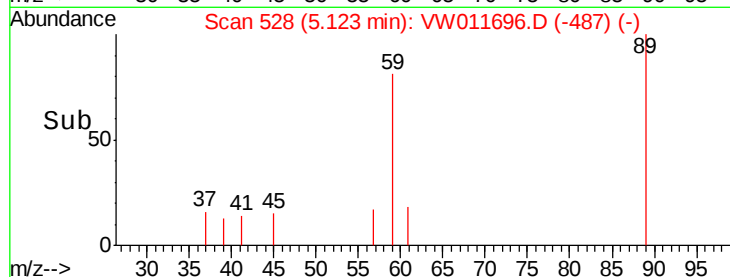
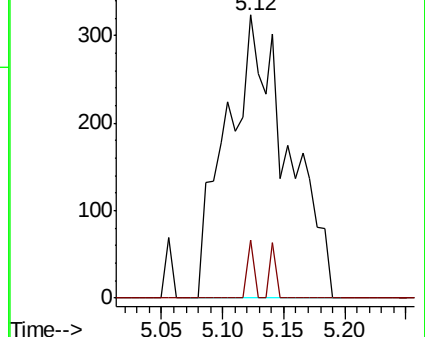
59 100

57 2.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#13

Acrolein

Concen: 1.989 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.18 min

Lab File: VW011696.D

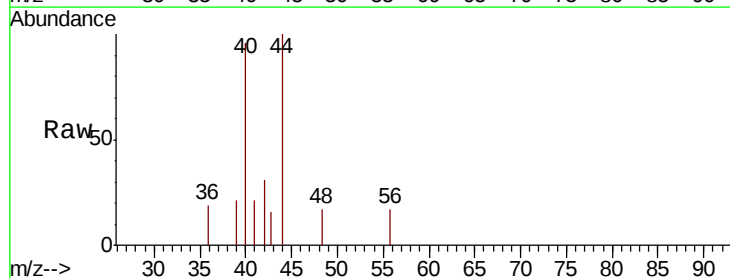
Acq: 04 Aug 2019 06:26

Tgt Ion: 56 Resp: 41

Ion Ratio Lower Upper

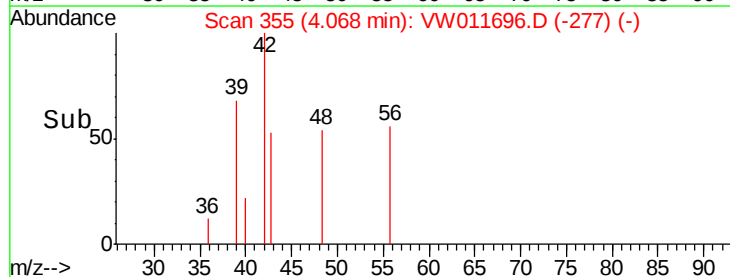
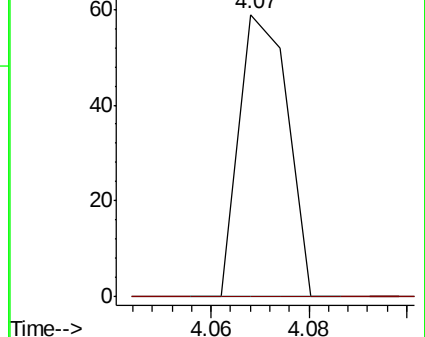
56 100

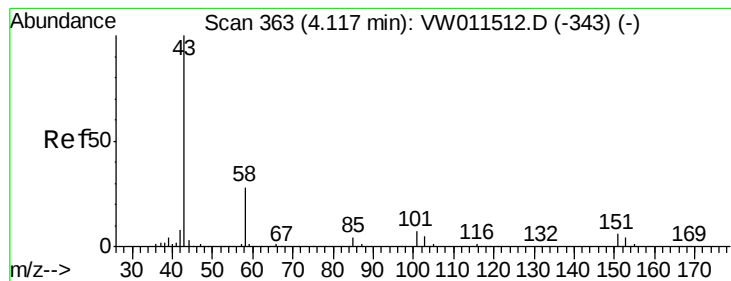
55 0.0 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 4.761 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011696.D

Acq: 04 Aug 2019 06:26

Instrument :

MSVOA_W

ClientSampled :

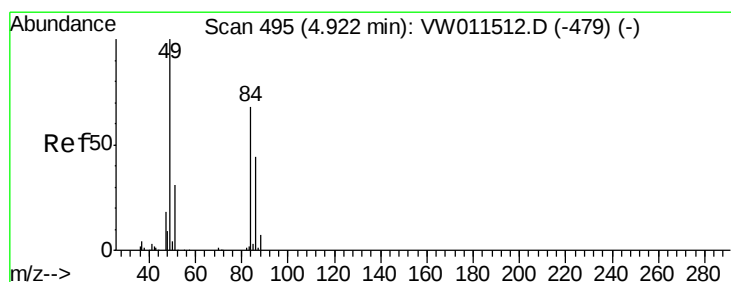
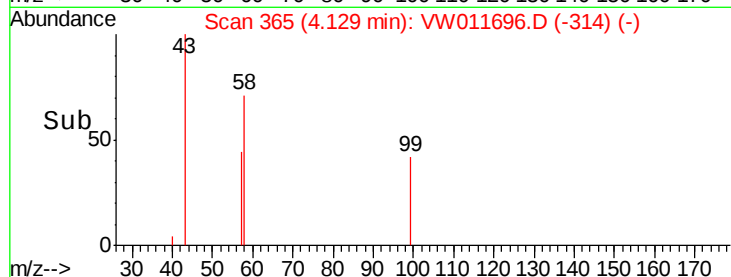
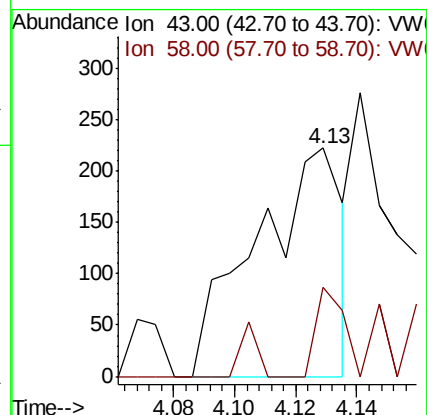
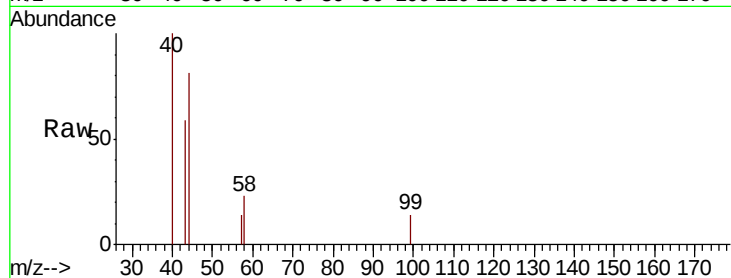
RT1873

Tot Ion: 43 Resp: 435

Ion Ratio Lower Upper

43 100

58 39.2 22.3 33.5#



#20

Methylene Chloride

Concen: 6.100 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW011696.D

Acq: 04 Aug 2019 06:26

Tgt Ion: 84 Resp: 1922

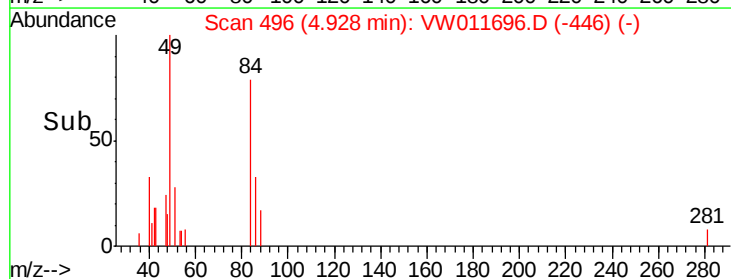
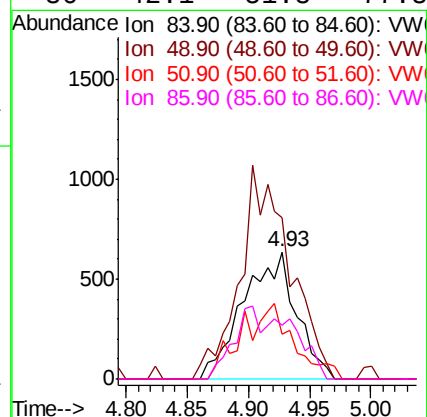
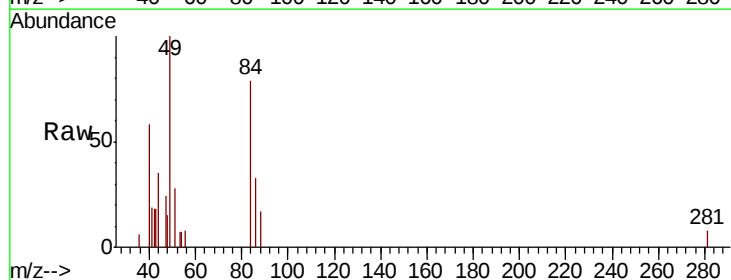
Ion Ratio Lower Upper

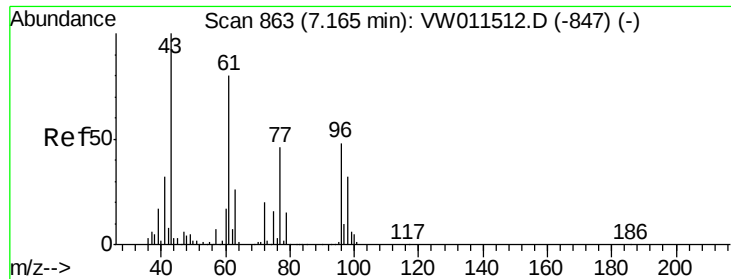
84 100

49 126.8 117.8 176.6

51 35.3 37.0 55.4#

86 42.1 51.8 77.8#

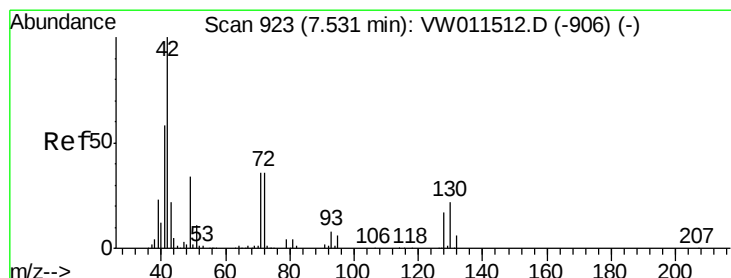
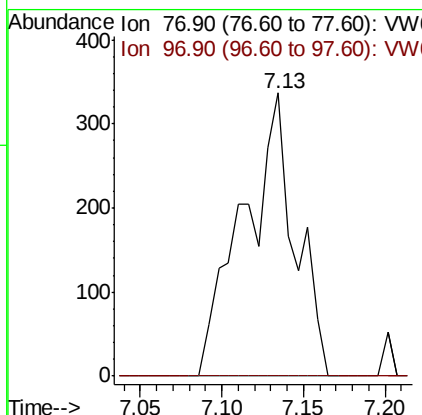
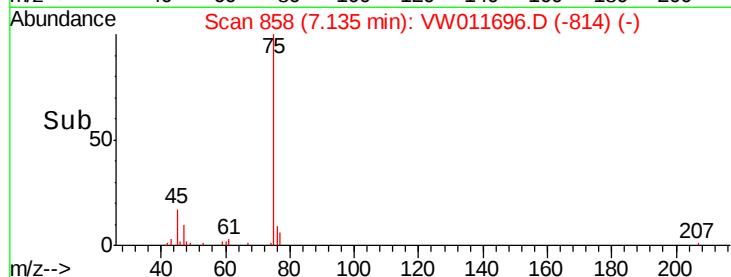
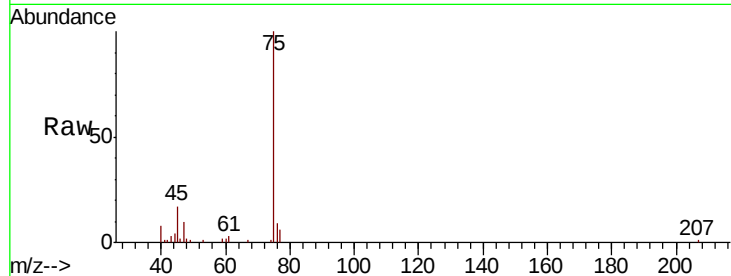




#26
 2,2-Dichloropropane
 Concen: 2.162 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: VW011696.D
 Acq: 04 Aug 2019 06:26

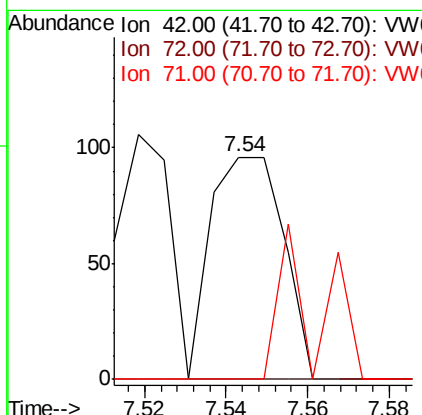
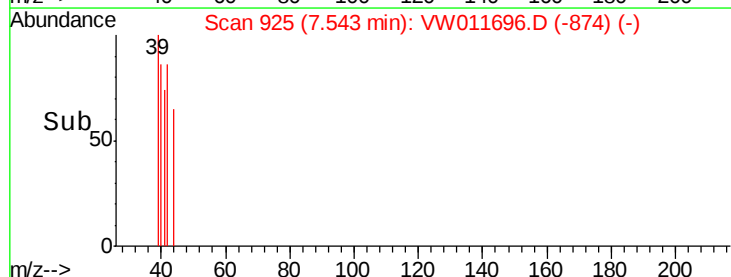
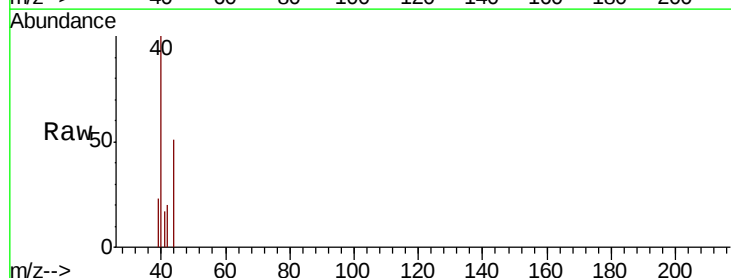
Instrument :
 MSVOA_W
 ClientSampled :
 RT1873

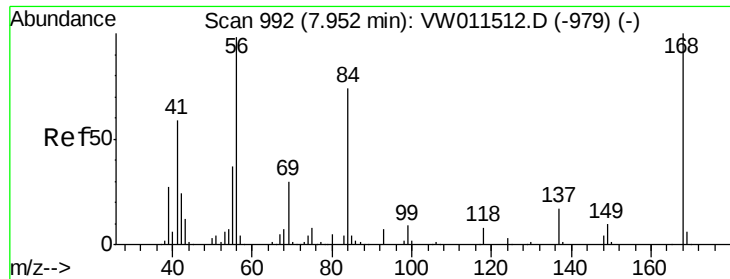
Tot Ion: 77 Resp: 744
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.8 32.4#



#29
 Tetrahydrofuran
 Concen: 1.756 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VW011696.D
 Acq: 04 Aug 2019 06:26

Tgt Ion: 42 Resp: 120
 Ion Ratio Lower Upper
 42 100
 72 0.0 27.1 40.7#
 71 37.5 26.2 39.4

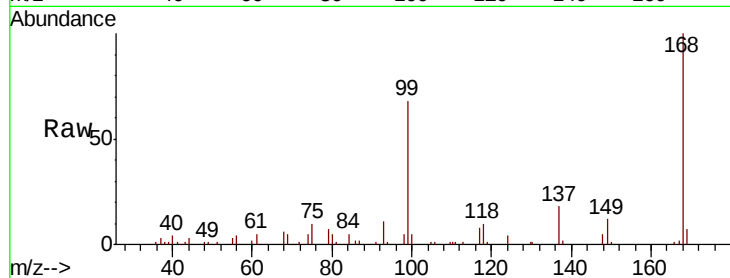




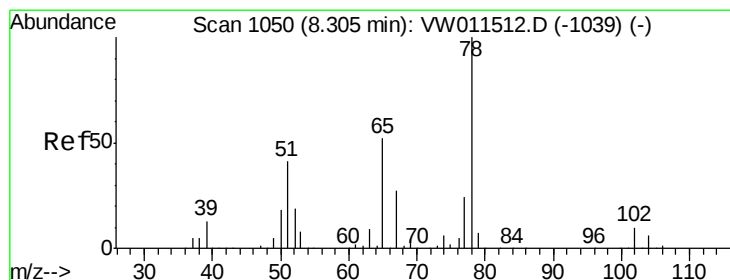
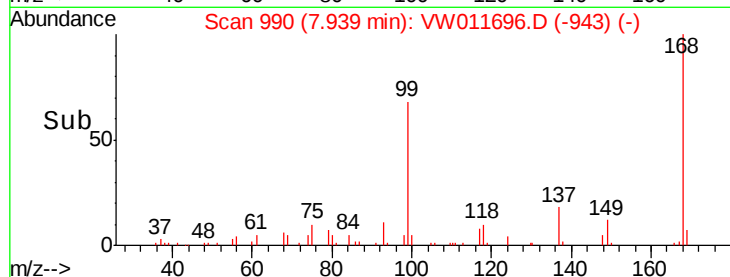
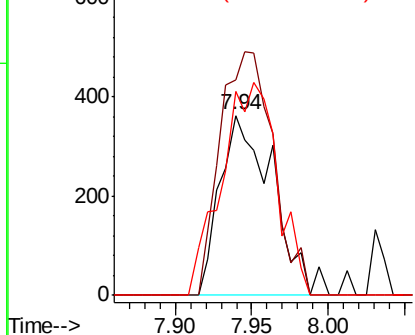
#31
Cyclohexane
Concen: 1.627 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011696.D
Acq: 04 Aug 2019 06:26

Instrument :
MSVOA_W
ClientSampled :
RT1873

Tot Ion: 56 Resp: 874
Ion Ratio Lower Upper
56 100
69 119.9 24.3 36.5#
84 113.5 60.4 90.6#

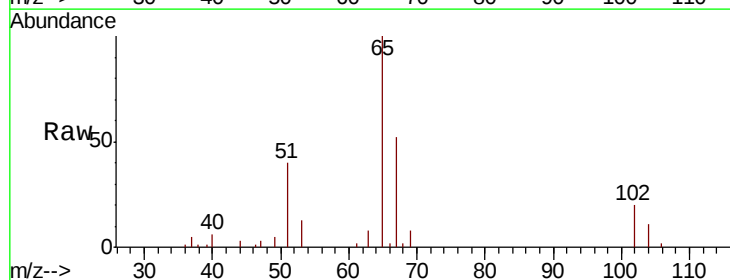


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

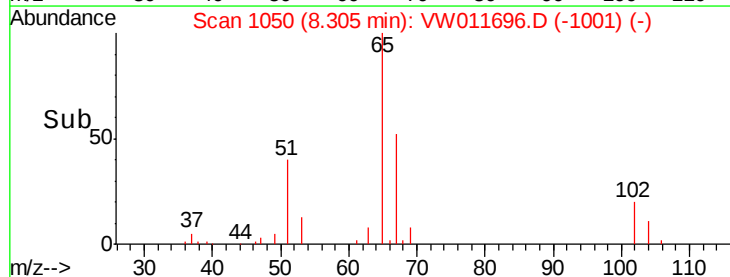
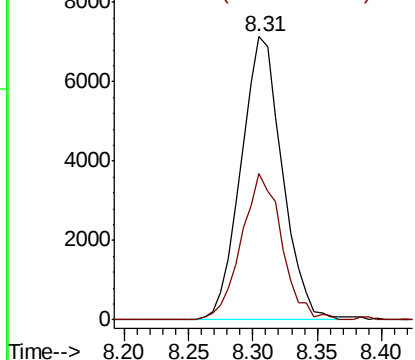


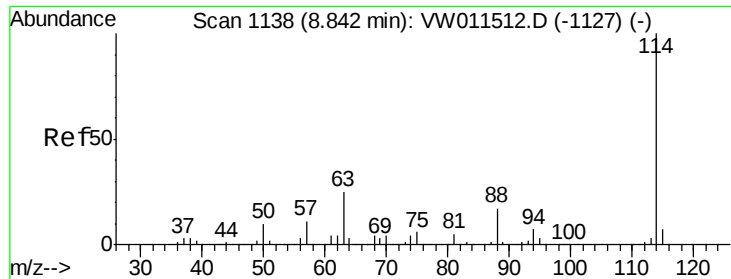
#33
1,2-Dichloroethane-d4
Concen: 55.144 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011696.D
Acq: 04 Aug 2019 06:26

Tgt Ion: 65 Resp: 15839
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

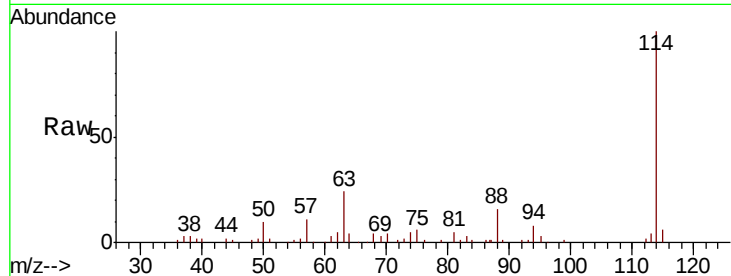




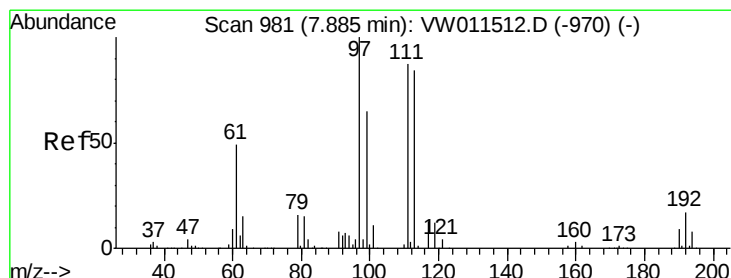
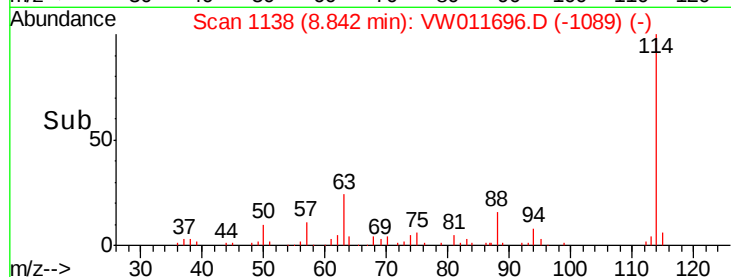
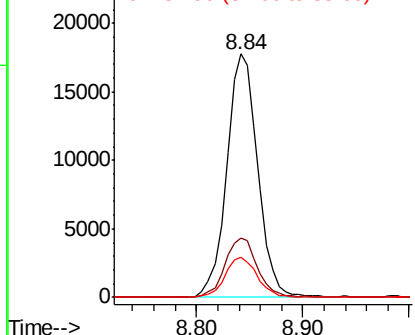
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW011696.D
Acq: 04 Aug 2019 06:26

Instrument :
MSVOA_W
ClientSampleId :
RT1873

Tot Ion:114 Resp: 36095
Ion Ratio Lower Upper
114 100
63 24.2 0.0 49.2
88 16.2 0.0 33.8

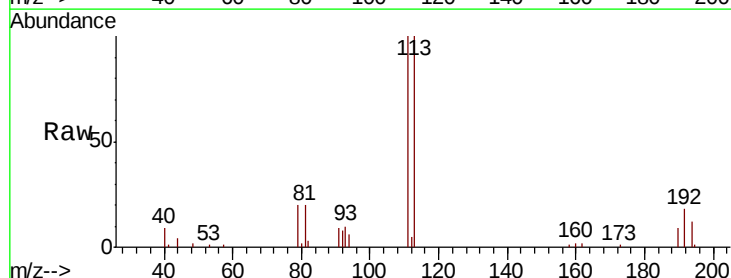


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

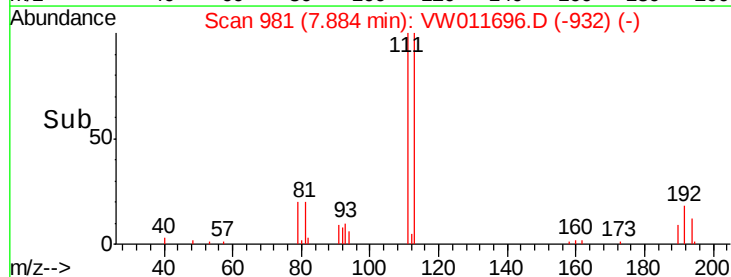
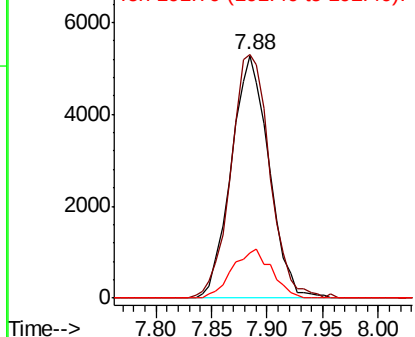


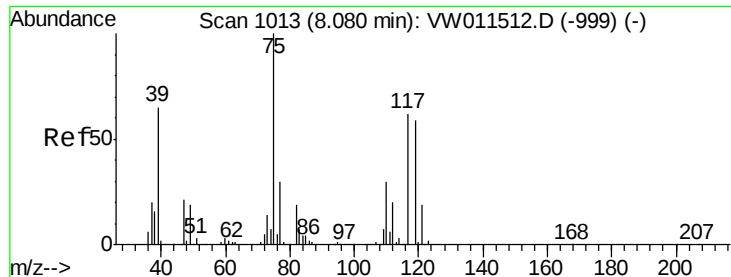
#35
Dibromofluoromethane
Concen: 61.210 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW011696.D
Acq: 04 Aug 2019 06:26

Tgt Ion:113 Resp: 12395
Ion Ratio Lower Upper
113 100
111 103.6 82.7 124.1
192 21.0 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

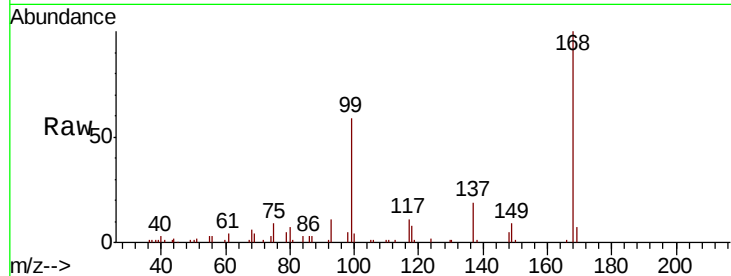




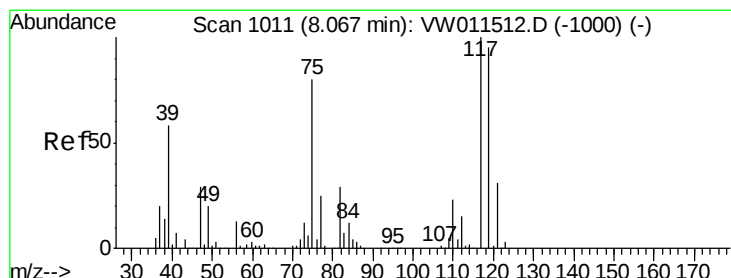
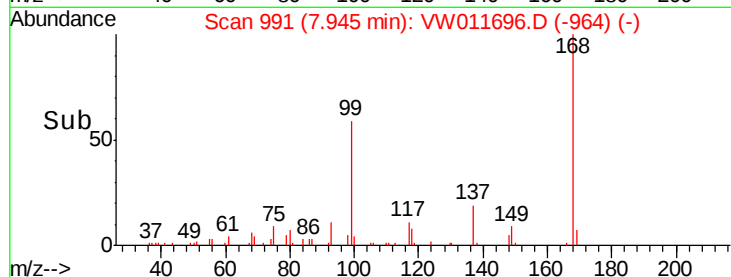
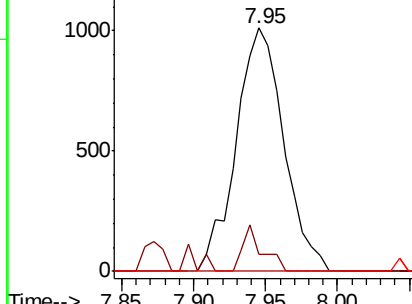
#36
 1,1-Dichloropropene
 Concen: 6.189 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011696.D
 Acq: 04 Aug 2019 06:26

Instrument :
 MSVOA_W
 ClientSampleID :
 RT1873

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	15.6	46.8#
77	0.0	24.3	36.5#

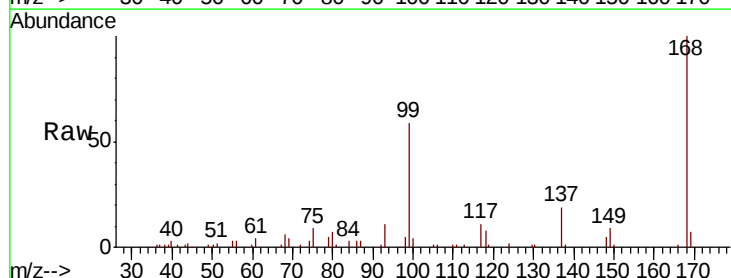


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

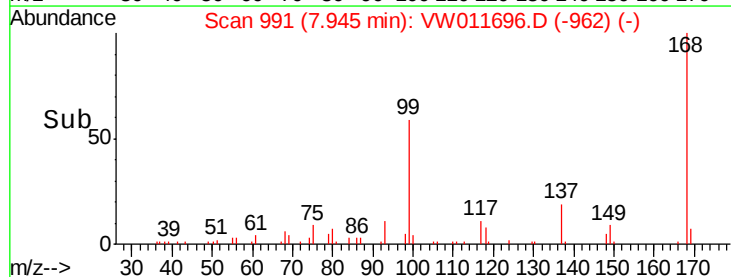
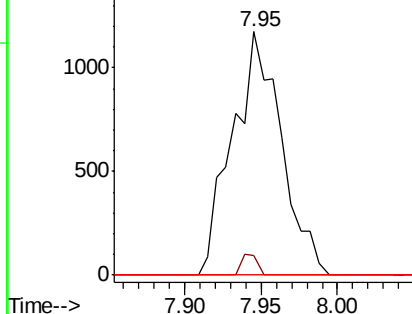


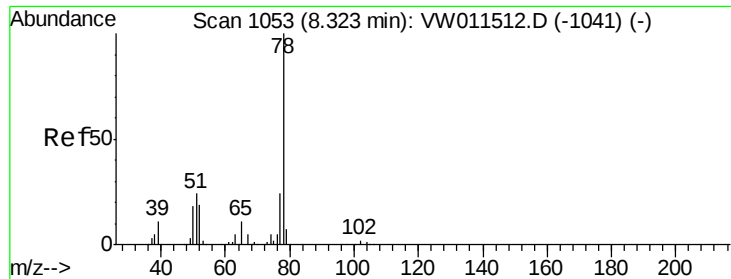
#38
 Carbon Tetrachloride
 Concen: 8.129 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011696.D
 Acq: 04 Aug 2019 06:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	8.1	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

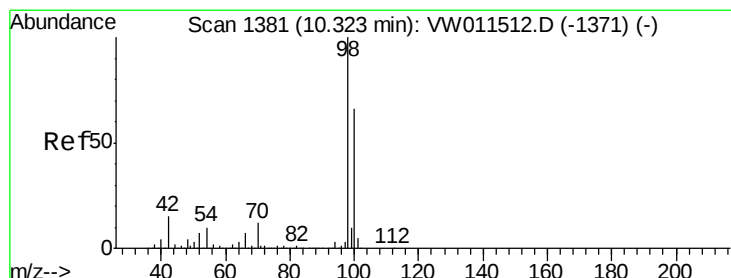
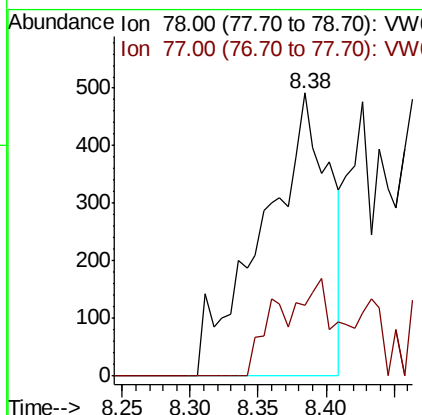
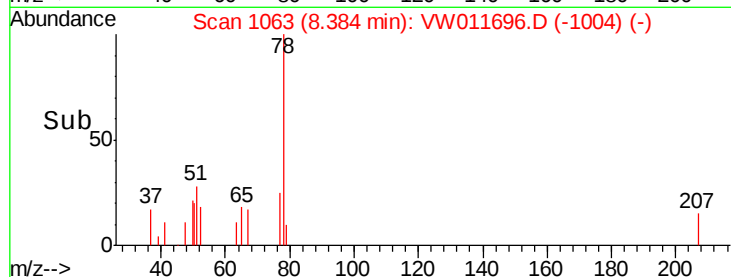
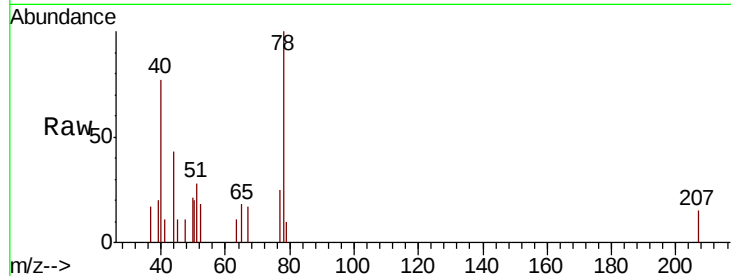




#40
Benzene
Concen: 1.579 ug/l
RT: 8.38 min Scan# 1063
Delta R.T. 0.06 min
Lab File: VW011696.D
Acq: 04 Aug 2019 06:26

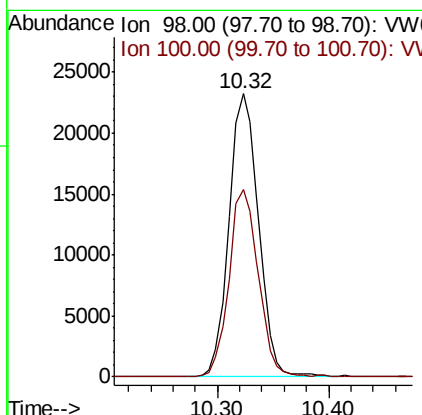
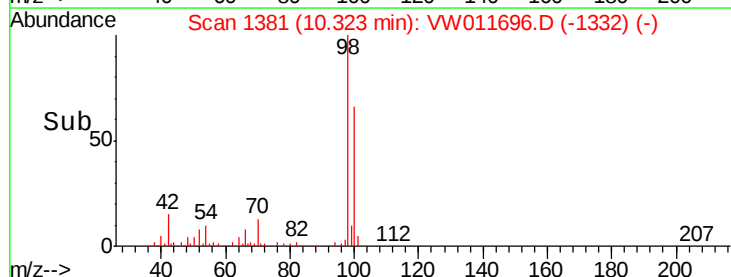
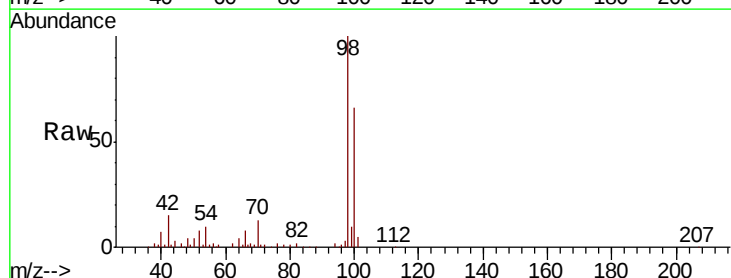
Instrument :
MSVOA_W
ClientSampled :
RT1873

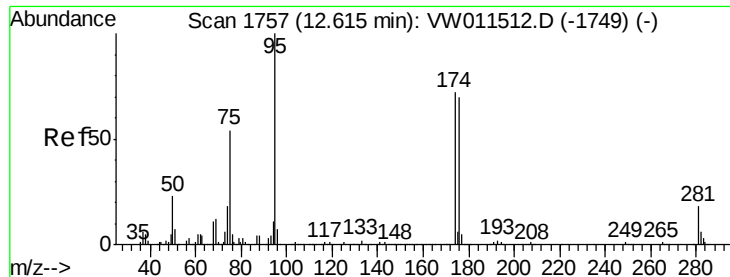
Tot Ion: 78 Resp: 1660
Ion Ratio Lower Upper
78 100
77 25.0 19.4 29.0



#50
Toluene-d8
Concen: 51.388 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011696.D
Acq: 04 Aug 2019 06:26

Tgt Ion: 98 Resp: 42605
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 37.488 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011696.D

Acq: 04 Aug 2019 06:26

Instrument :

MSVOA_W

ClientSampled :

RT1873

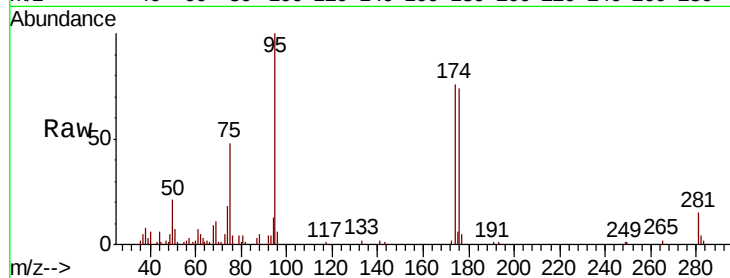
Tot Ion: 95 Resp: 11081

Ion Ratio Lower Upper

95 100

174 73.4 0.0 150.2

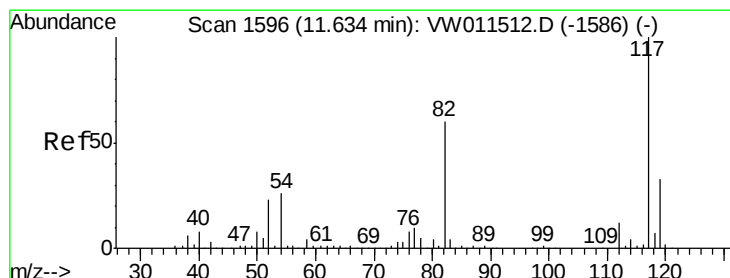
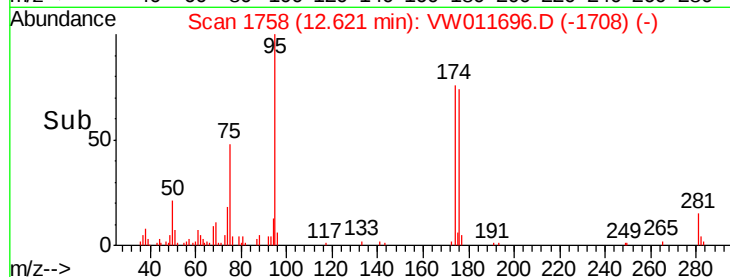
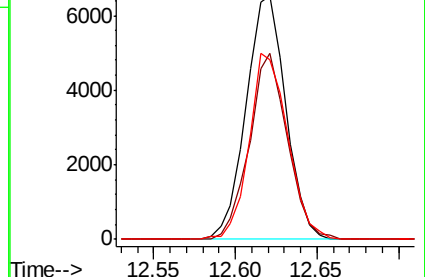
176 74.1 0.0 144.4



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: VW011696.D

Acq: 04 Aug 2019 06:26

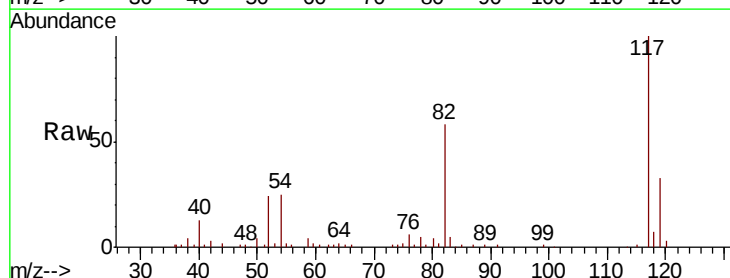
Tgt Ion: 117 Resp: 27996

Ion Ratio Lower Upper

117 100

82 57.7 47.9 71.9

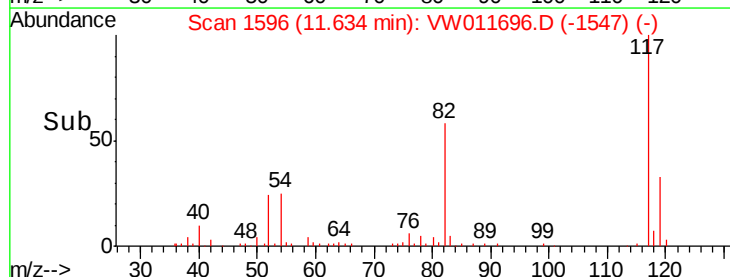
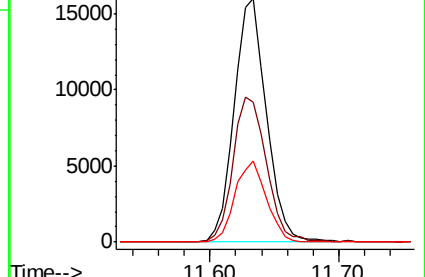
119 33.1 26.2 39.2

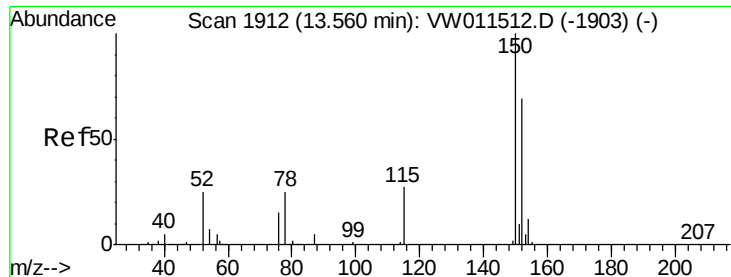


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011696.D

Acq: 04 Aug 2019 06:26

Instrument :

MSVOA_W

ClientSampleId :

RT1873

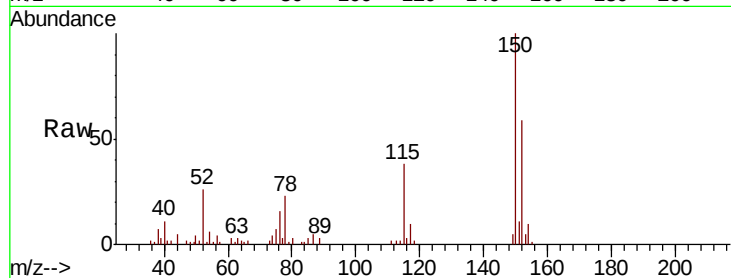
Tot Ion:152 Resp: 7120

Ion Ratio Lower Upper

152 100

115 58.6 30.5 91.5

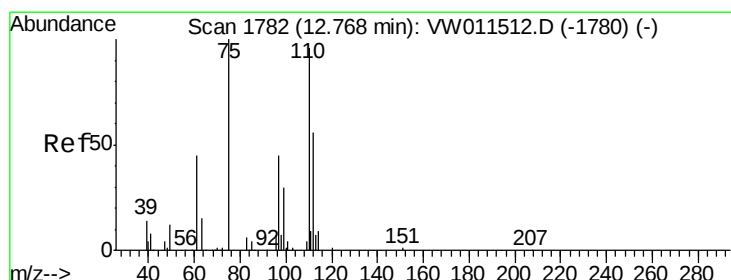
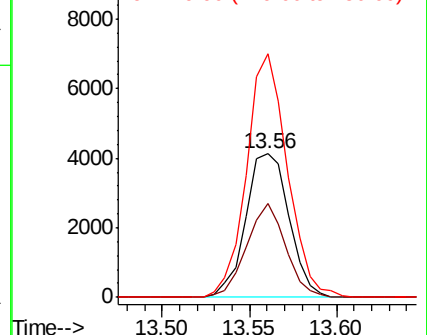
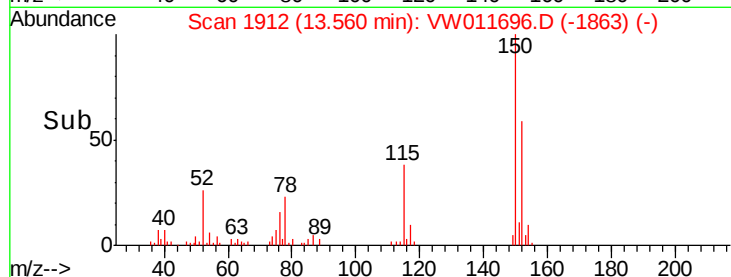
150 159.0 0.0 352.6



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: 78.672 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011696.D

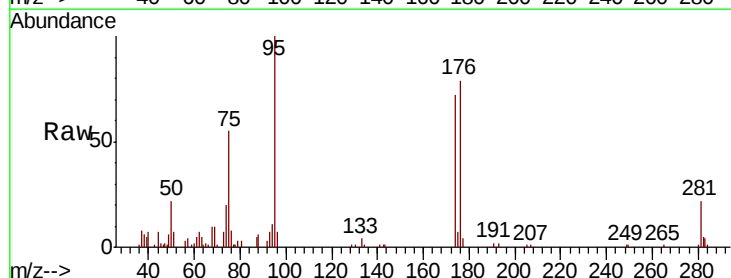
Acq: 04 Aug 2019 06:26

Tgt Ion: 75 Resp: 5927

Ion Ratio Lower Upper

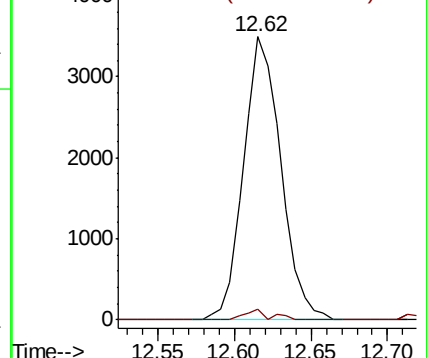
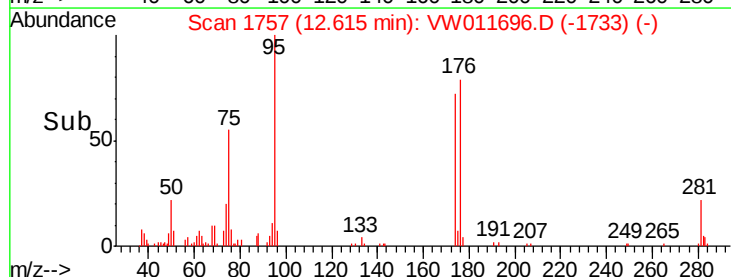
75 100

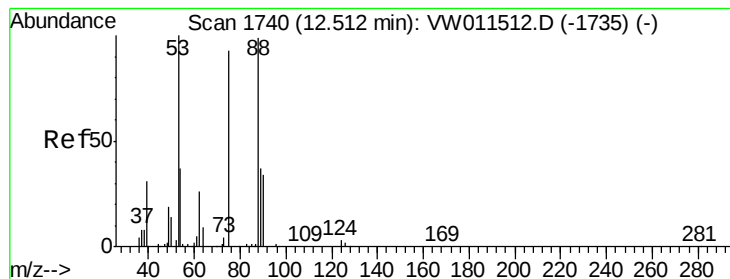
77 2.4 0.0 0.0#



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: 181.313 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011696.D

Acq: 04 Aug 2019 06:26

Instrument :

MSVOA_W

ClientSampleId :

RT1873

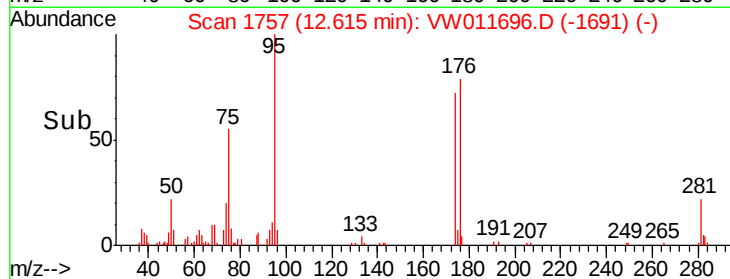
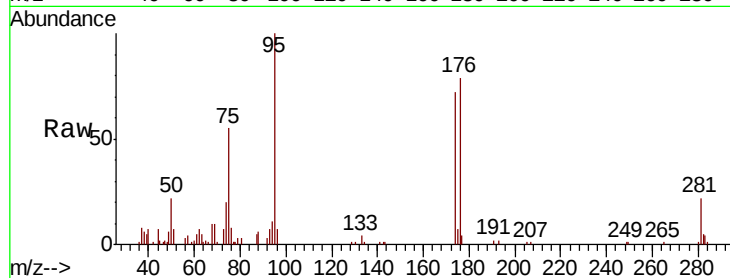
Tot Ion: 75 Resp: 5927

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

