

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062019\
 Data File : VW010897.D
 Acq On : 20 Jun 2019 17:35
 Operator : SY/VA
 Sample : K3455-07
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 21 07:48:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	368914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82793	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	145481	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	
35) Dibromofluoromethane	7.88	113	105845	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
50) Toluene-d8	10.32	98	448149	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.62	95	119894	37.52	ug/l	0.00
Spiked Amount			Recovery	=	75.04%	

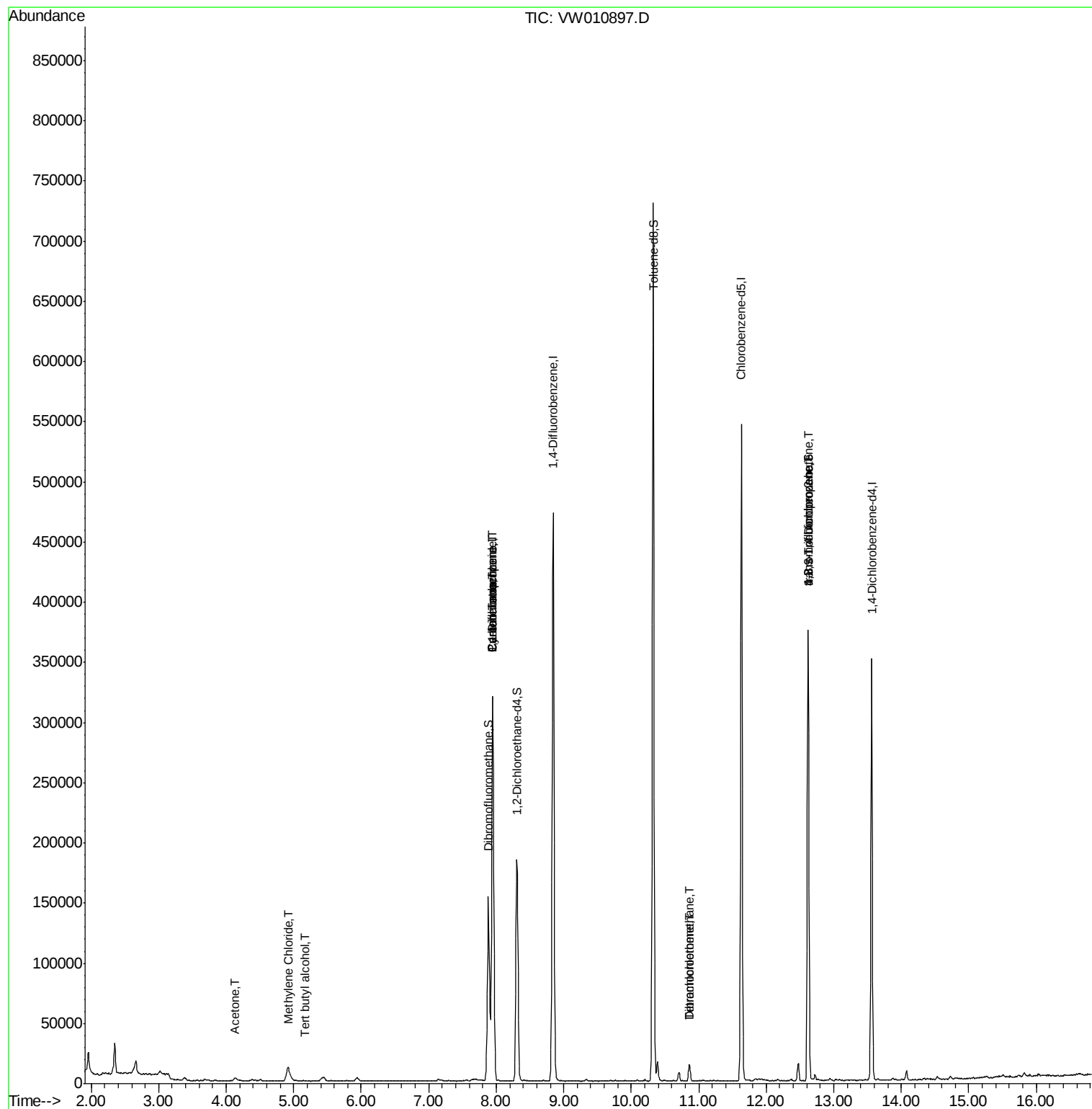
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	305	1.396	ug/l #	72
16) Acetone	4.14	43	4925	6.853	ug/l #	89
20) Methylene Chloride	4.93	84	7828	3.105	ug/l	97
31) Cyclohexane	7.95	56	6578	1.216	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	20297	5.375	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23747	7.285	ug/l #	18
60) Dibromochloromethane	10.86	129	2636	1.303	ug/l #	11
64) Tetrachloroethene	10.87	164	2985	1.624	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	65146	74.929	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65146	172.211	ug/l #	5

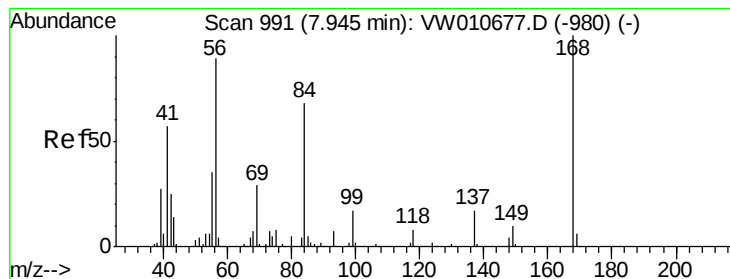
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 05 03:21:19 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: VW010897.D

Acq: 20 Jun 2019 17:35

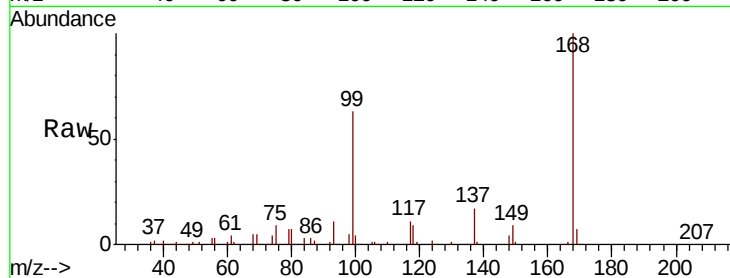
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 227537

Ion Ratio Lower Upper

168 100

99 63.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

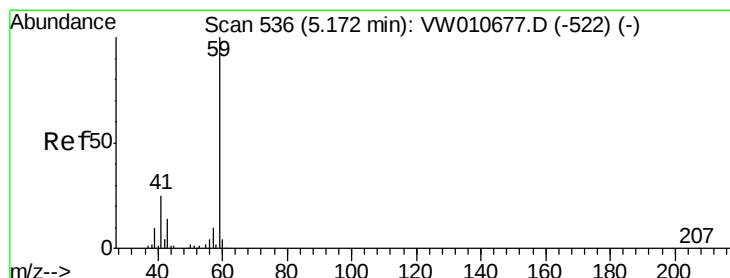
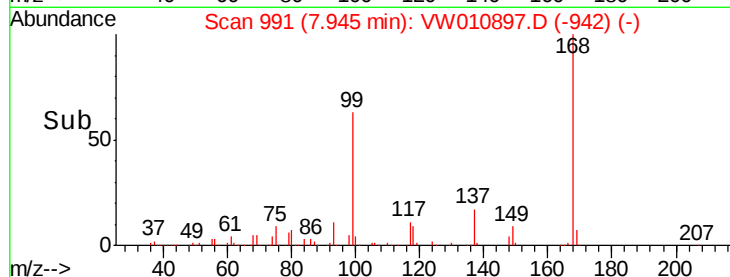
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.396 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW010897.D

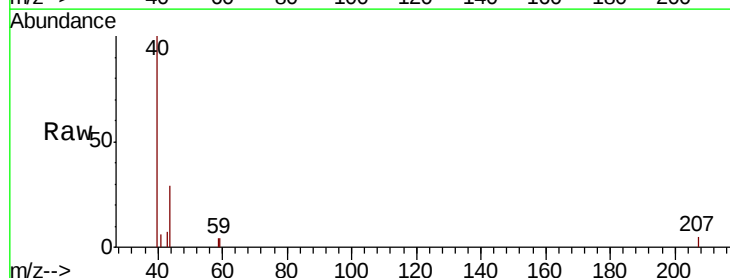
Acq: 20 Jun 2019 17:35

Tgt Ion: 59 Resp: 305

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

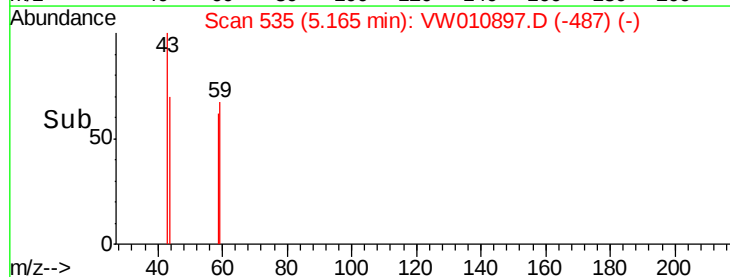
150

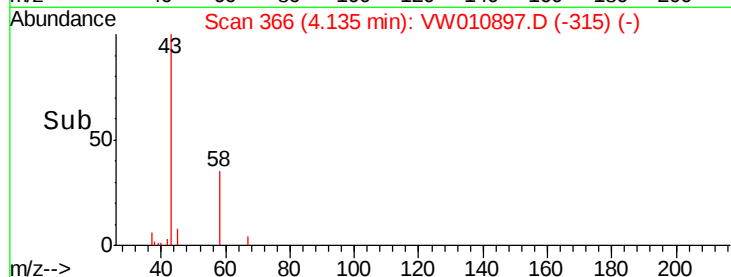
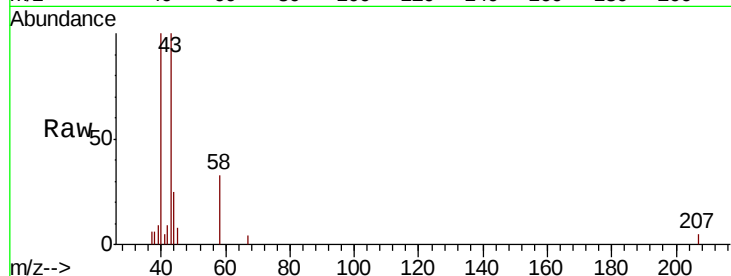
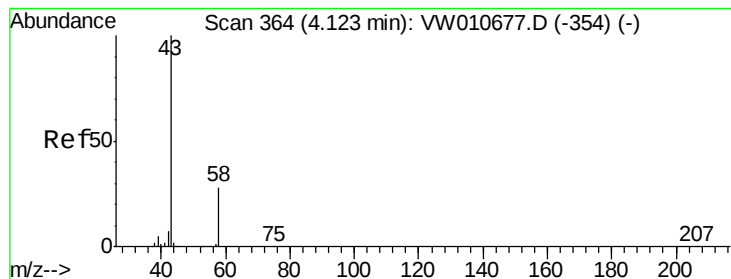
100

50

0

Time-->





#16

Acetone

Concen: 6.853 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010897.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_W

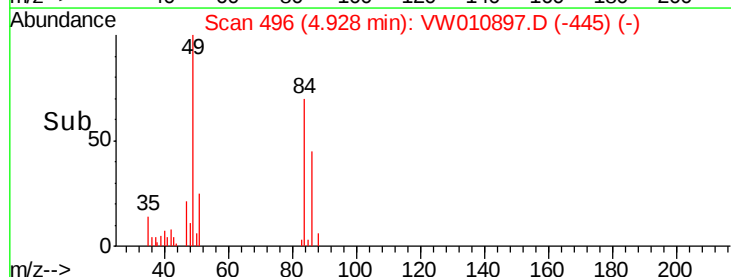
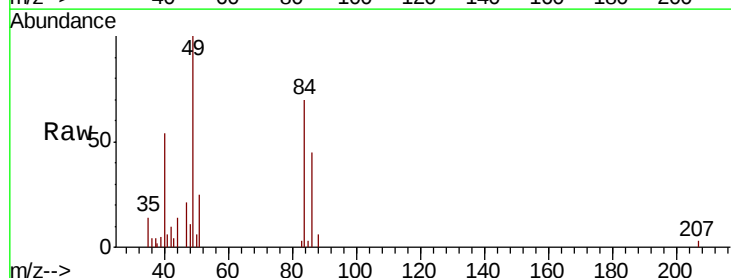
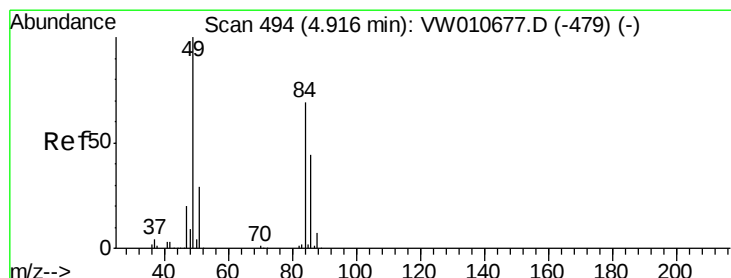
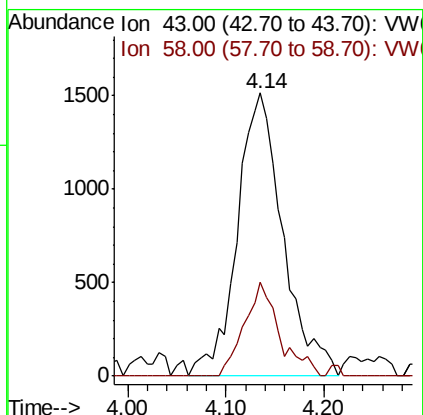
ClientSampleId :

Tot Ion: 43 Resp: 4925

Ion Ratio Lower Upper

43 100

58 33.2 22.1 33.1#



#20

Methylene Chloride

Concen: 3.105 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW010897.D

Acq: 20 Jun 2019 17:35

Tgt Ion: 84 Resp: 7828

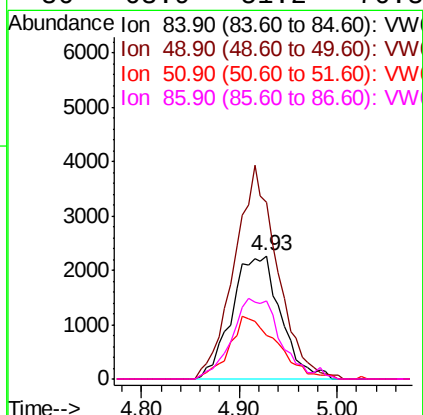
Ion Ratio Lower Upper

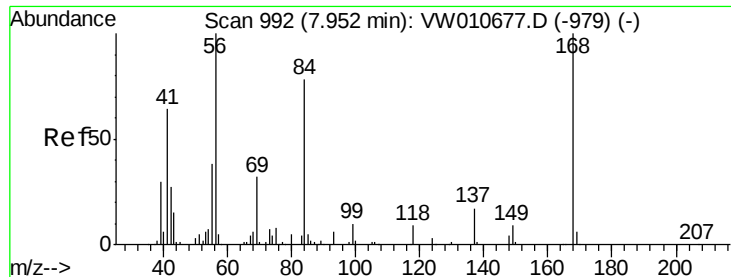
84 100

49 143.6 116.7 175.1

51 35.2 34.2 51.2

86 63.9 51.2 76.8

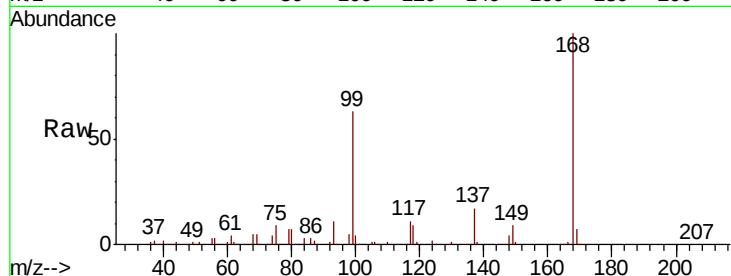




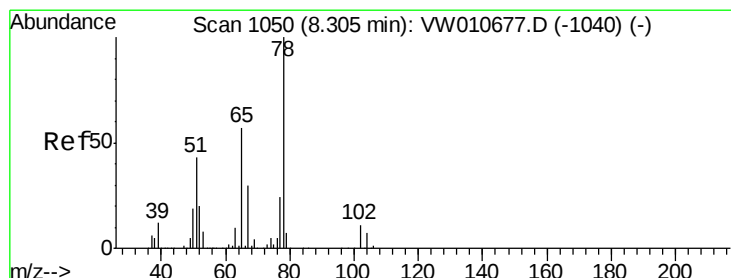
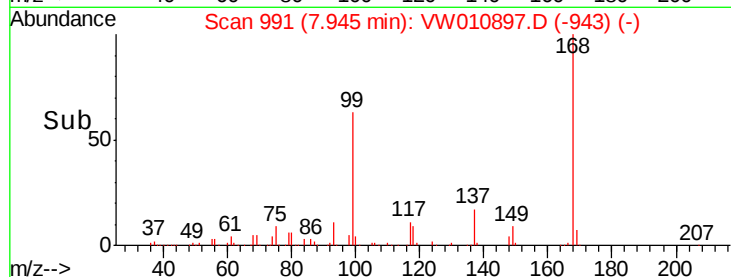
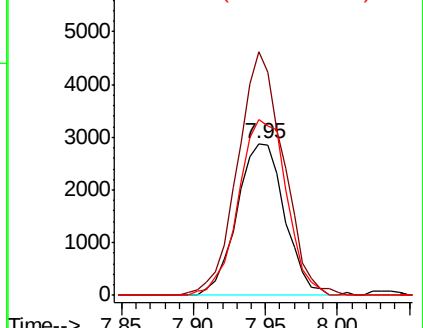
#31
Cvclohexane
Concen: 1.216 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010897.D
Acq: 20 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6578
Ion Ratio Lower Upper
56 100
69 158.4 25.2 37.8#
84 116.2 62.2 93.2#

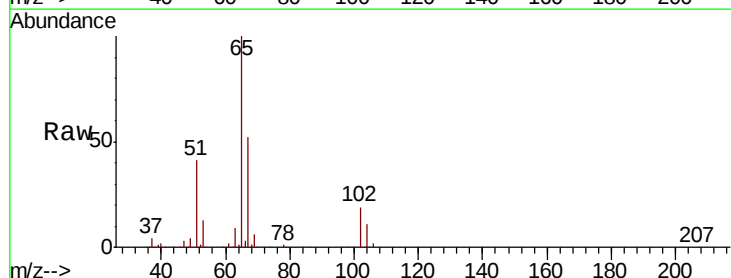


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

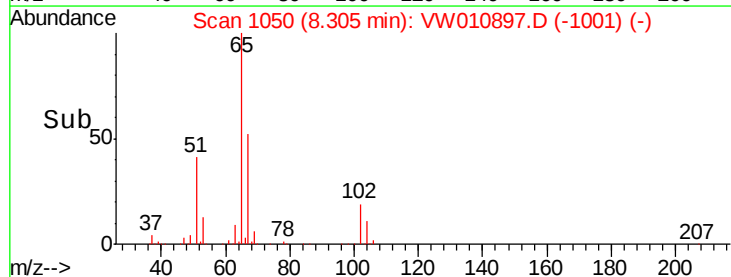
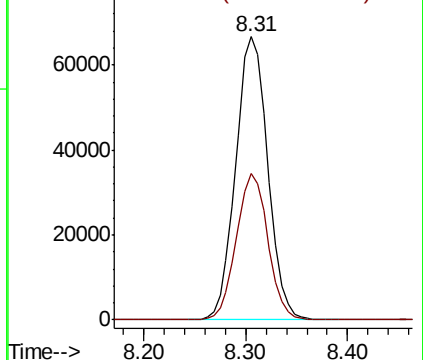


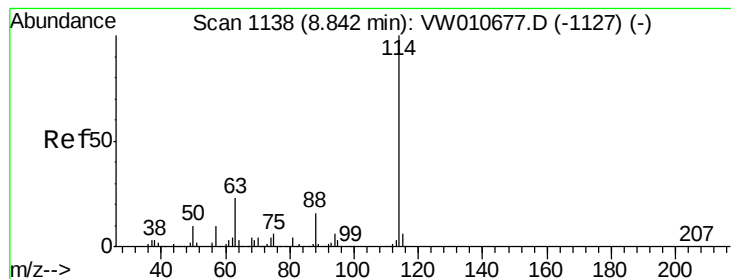
#33
1,2-Dichloroethane-d4
Concen: 54.245 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010897.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 65 Resp: 145481
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.6



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: VW010897.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

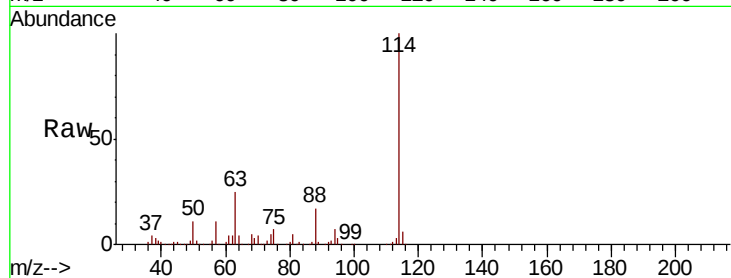
Tot Ion:114 Resp: 368914

Ion Ratio Lower Upper

114 100

63 25.4 0.0 46.4

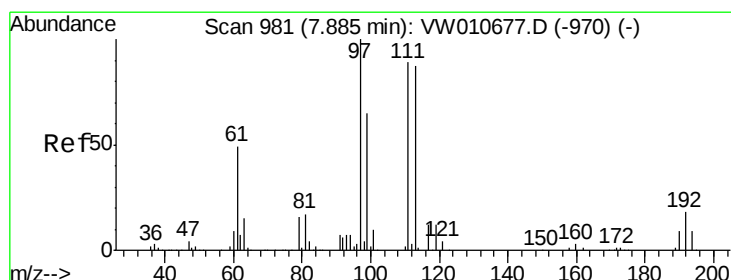
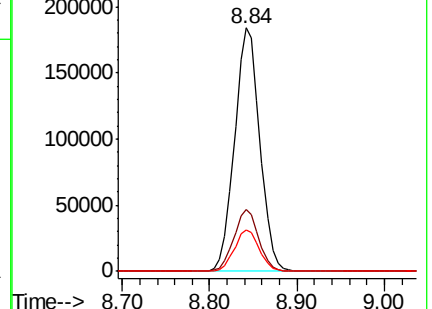
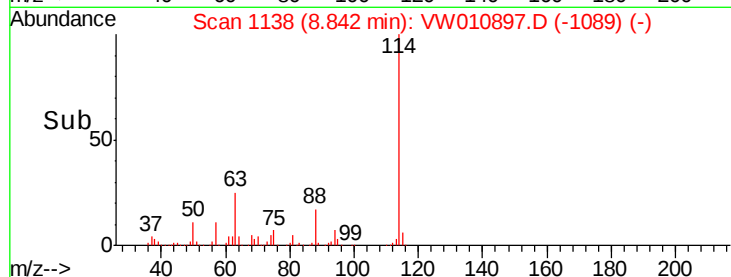
88 17.2 0.0 32.2



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: 52.859 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010897.D

Acq: 20 Jun 2019 17:35

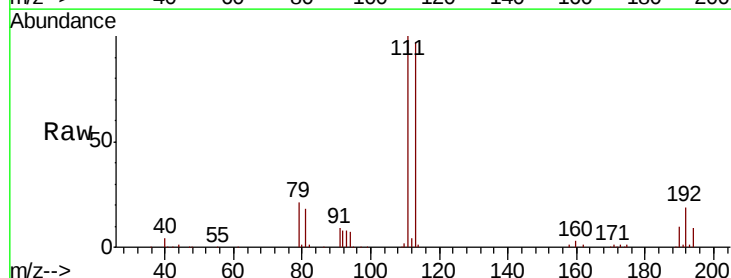
Tgt Ion:113 Resp: 105845

Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

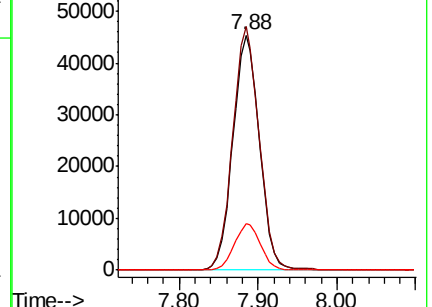
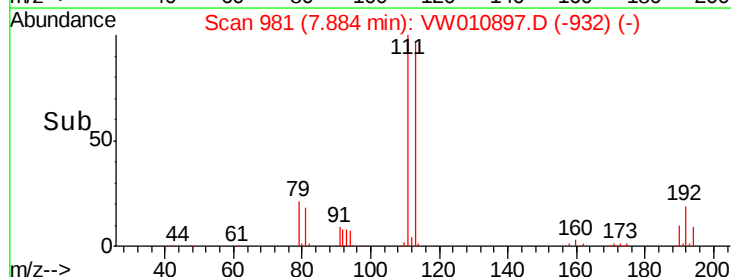
192 19.4 16.4 24.6

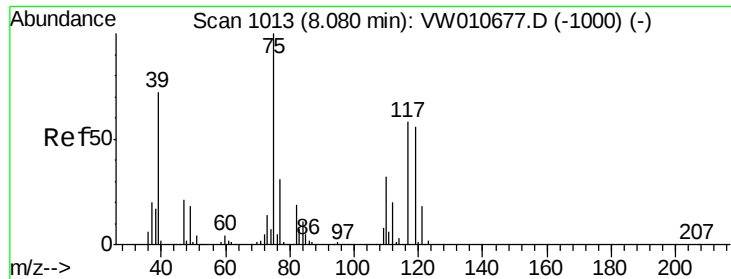


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

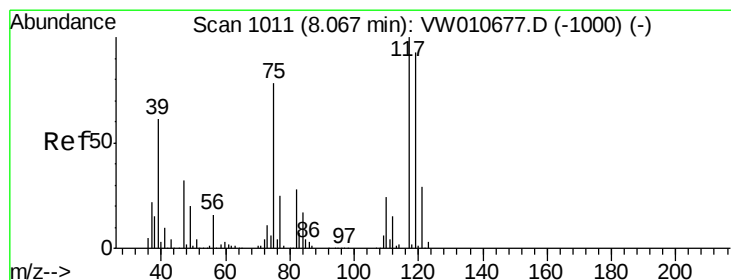
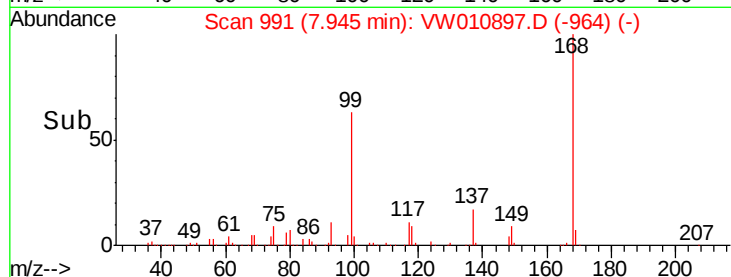
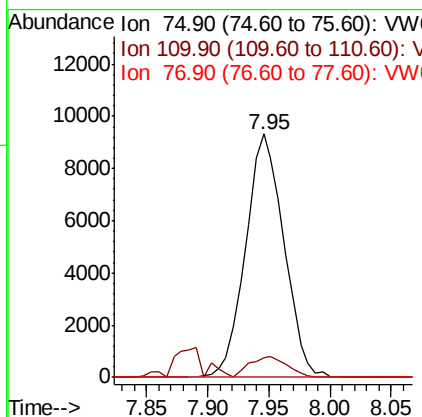
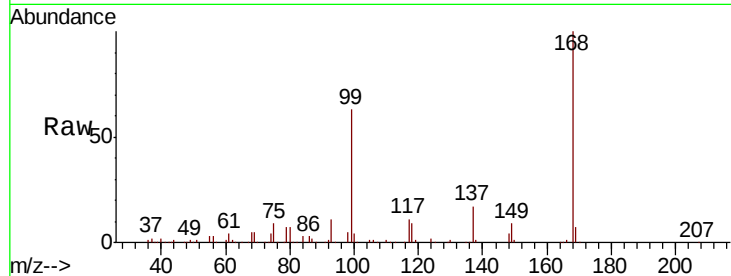




#36
 1,1-Dichloropropene
 Concen: 5.375 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010897.D
 Acq: 20 Jun 2019 17:35

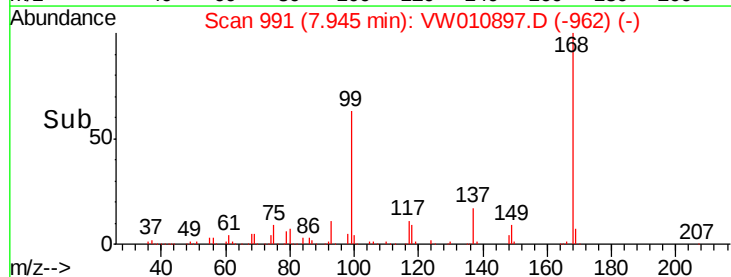
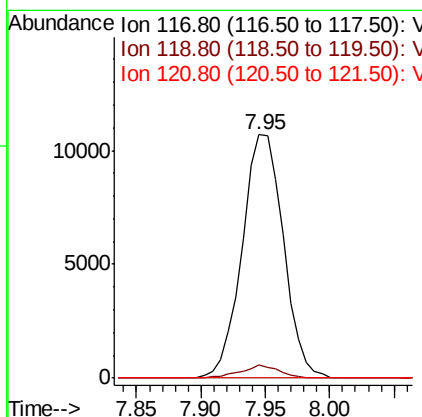
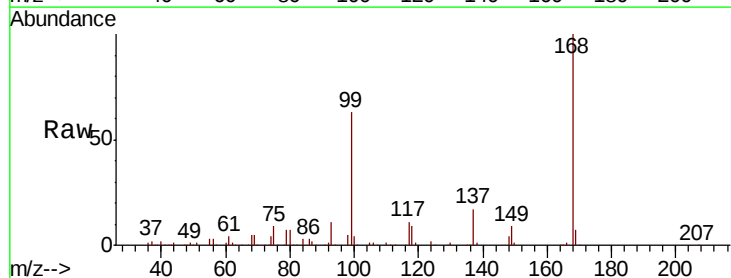
Instrument :
 MSVOA_W
 ClientSampled :

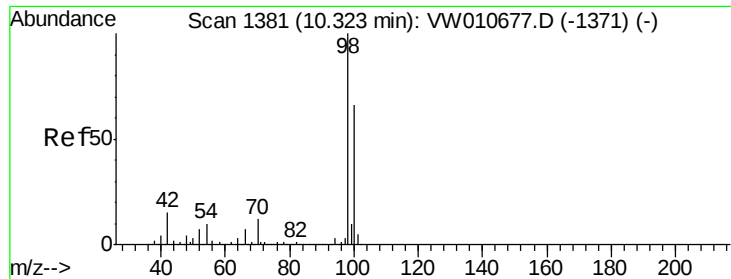
Tot Ion	75	Resp	20297
Ion Ratio	Lower	Upper	
75	100		
110	8.4	15.8	47.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 7.285 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010897.D
 Acq: 20 Jun 2019 17:35

Tgt Ion	117	Resp	23747
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	5.6	74.2	111.4#
121	0.0	22.9	34.3#





#50

Toluene-d8

Concen: 51.038 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010897.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_W

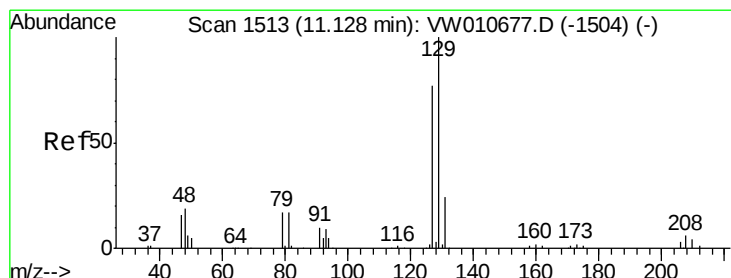
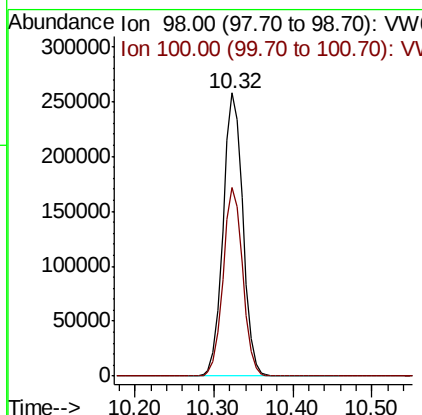
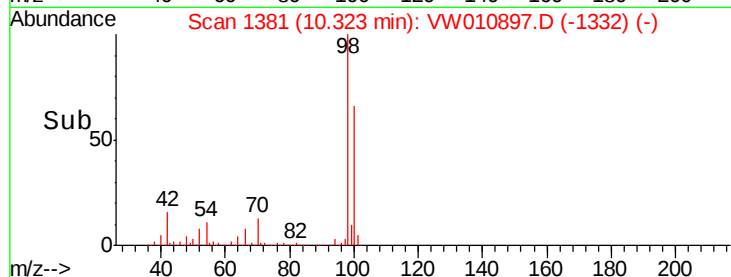
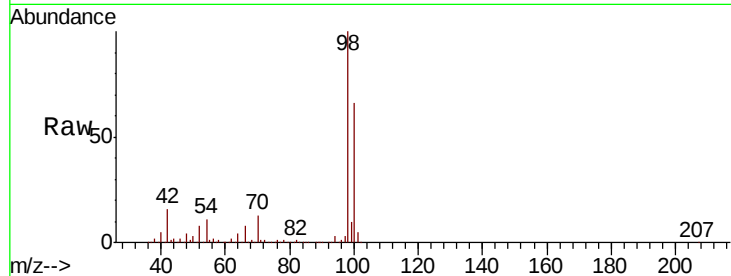
ClientSampleId :

Tot Ion: 98 Resp: 448149

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6



#60

Dibromochloromethane

Concen: 1.303 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW010897.D

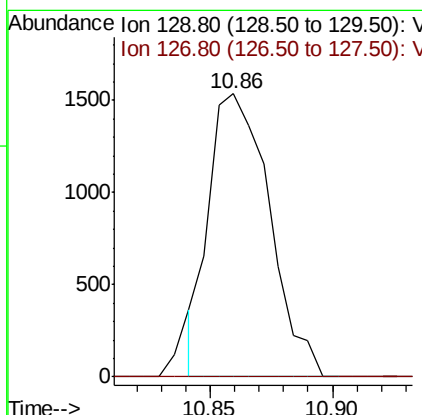
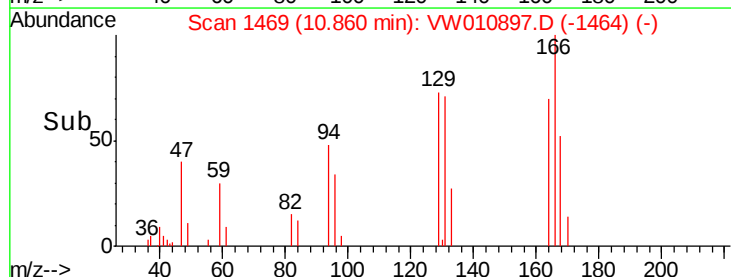
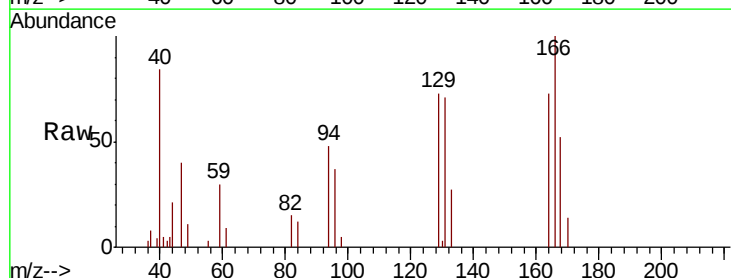
Acq: 20 Jun 2019 17:35

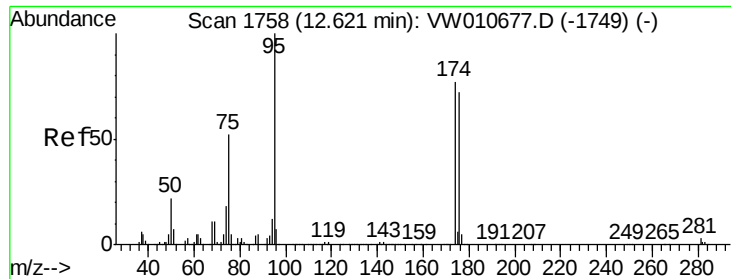
Tgt Ion:129 Resp: 2636

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#

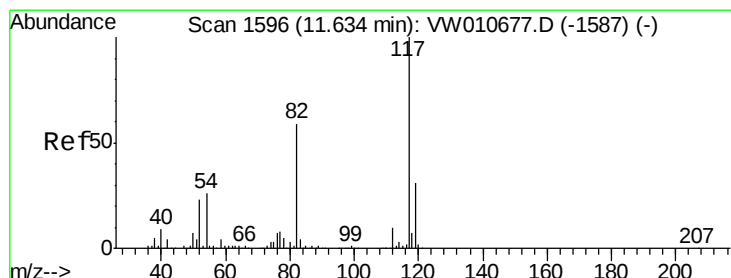
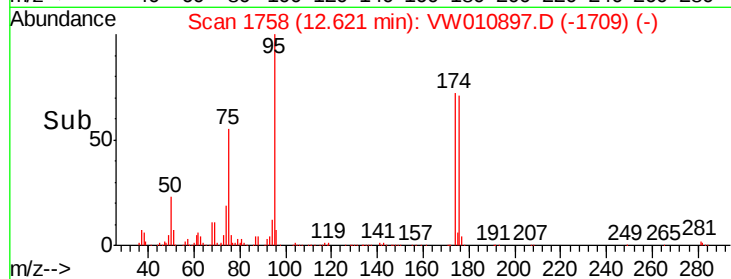
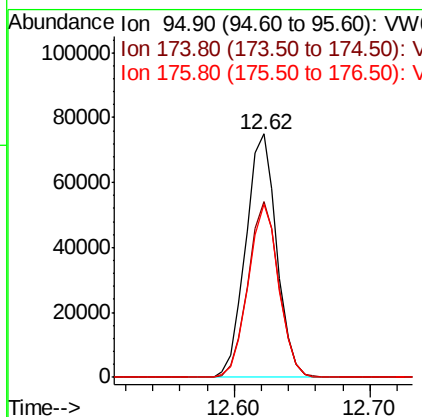
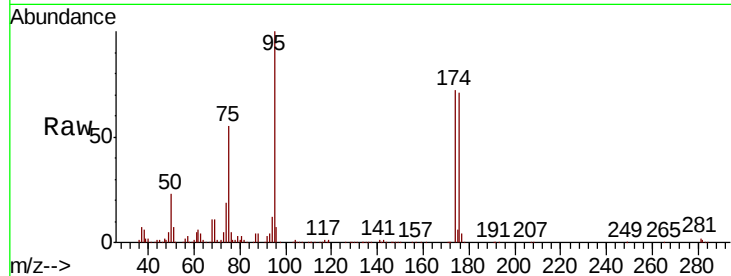




#62
4-Bromofluorobenzene
Concen: 37.523 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010897.D
Acq: 20 Jun 2019 17:35

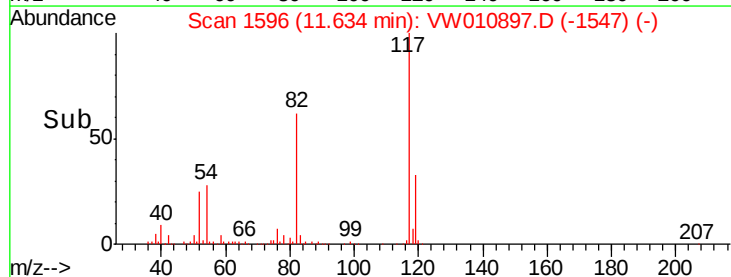
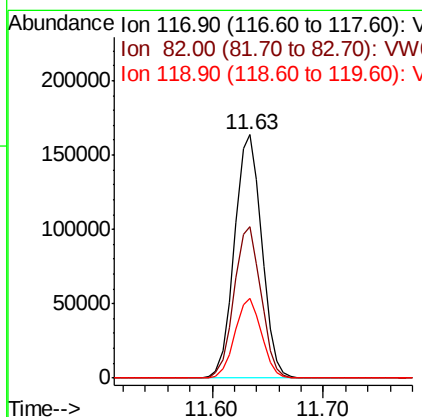
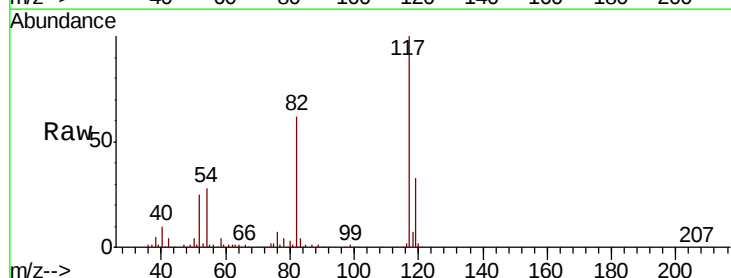
Instrument :
MSVOA_W
ClientSampleId :

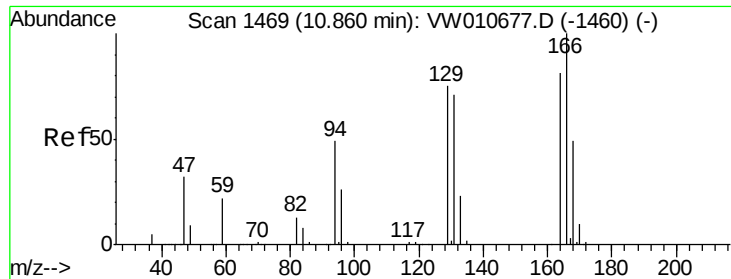
Tot Ion: 95 Resp: 119894
Ion Ratio Lower Upper
95 100
174 71.9 0.0 150.4
176 70.3 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010897.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 117 Resp: 276910
Ion Ratio Lower Upper
117 100
82 62.2 47.0 70.4
119 32.6 25.1 37.7





#64

Tetrachloroethene

Concen: 1.624 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW010897.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 2985

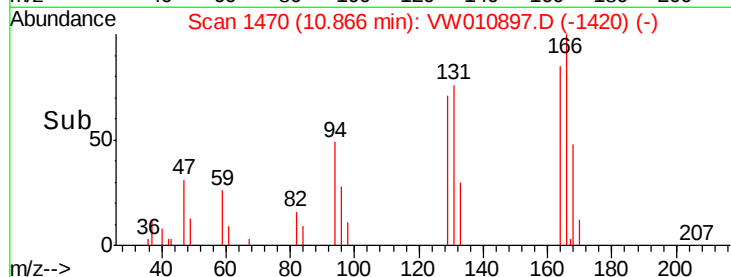
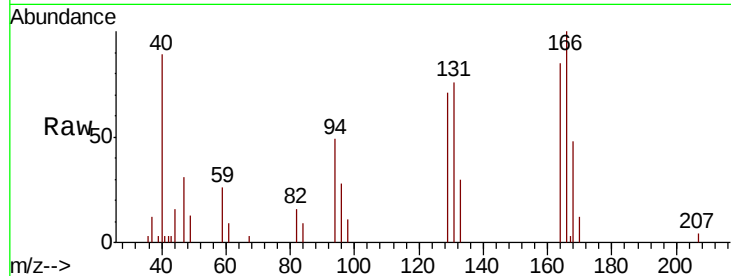
Ion Ratio Lower Upper

164 100

166 118.0 99.2 148.8

129 83.9 74.6 112.0

131 89.8 70.2 105.4

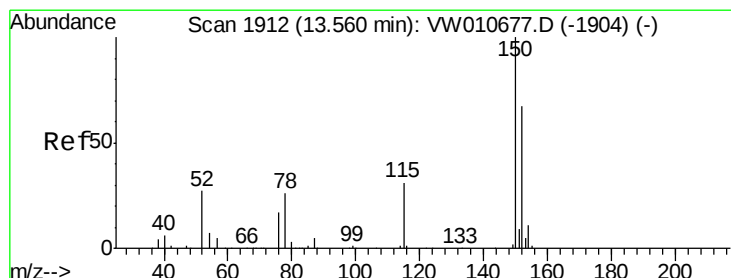
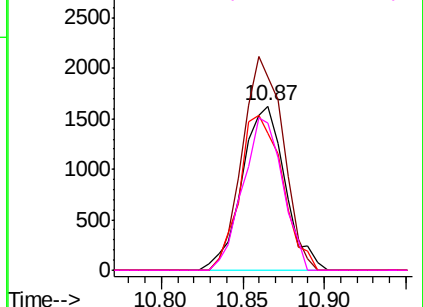


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010897.D

Acq: 20 Jun 2019 17:35

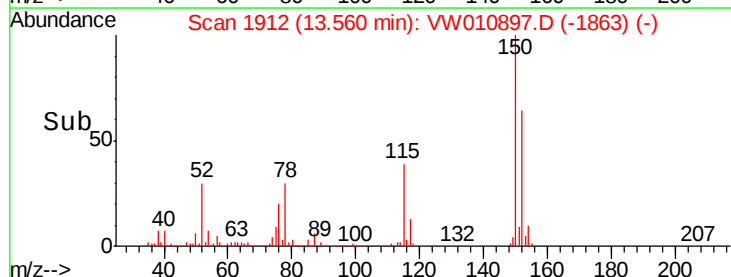
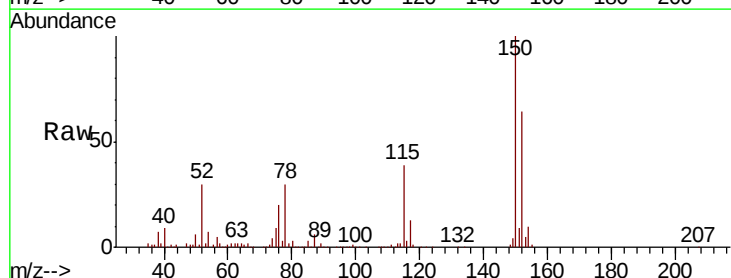
Tgt Ion:152 Resp: 82793

Ion Ratio Lower Upper

152 100

115 62.1 29.8 89.3

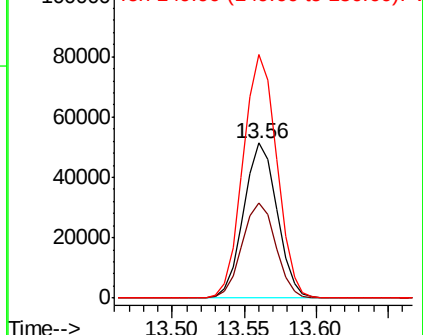
150 158.2 0.0 345.0

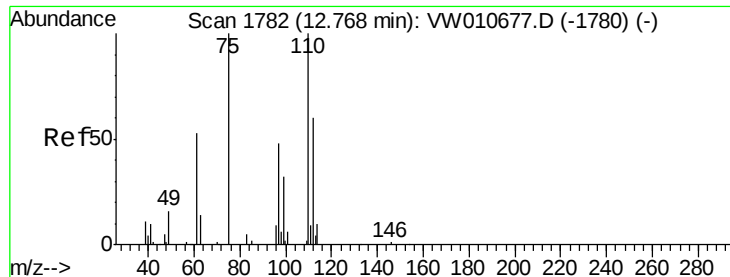


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 74.929 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010897.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_W

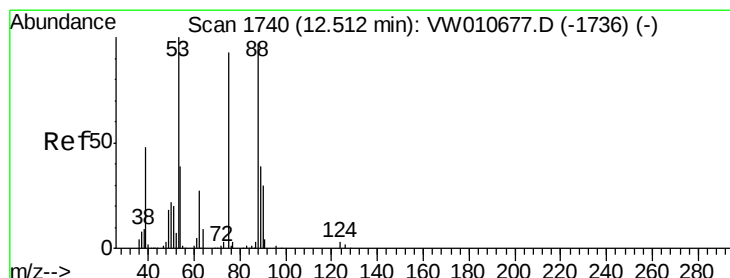
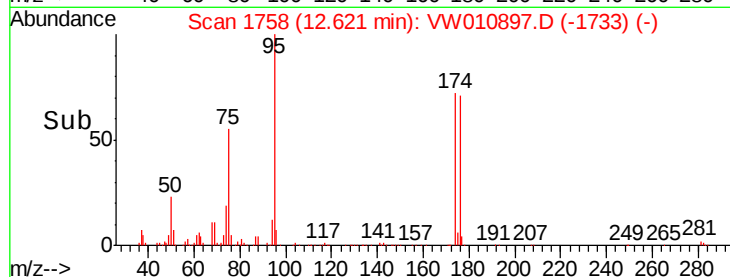
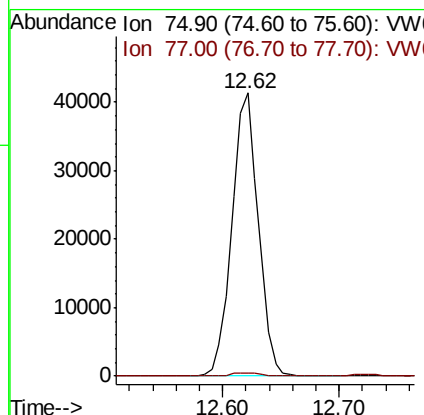
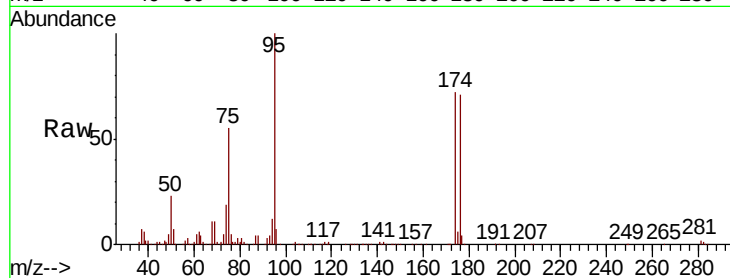
ClientSampleId :

Tot Ion: 75 Resp: 65146

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 172.211 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010897.D

Acq: 20 Jun 2019 17:35

Tgt Ion: 75 Resp: 65146

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 34.6 52.0#

