

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062019\
 Data File : VW010901.D
 Acq On : 20 Jun 2019 19:28
 Operator : SY/VA
 Sample : K3447-06
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 21 07:49:01 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	103138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	113848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	40896	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	48856	40.19	ug/l	0.00
Spiked Amount			Recovery	=	80.38%	
35) Dibromofluoromethane	7.88	113	39862	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.32	98	178106	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.62	95	51080	40.44	ug/l	0.00
Spiked Amount			Recovery	=	80.88%	

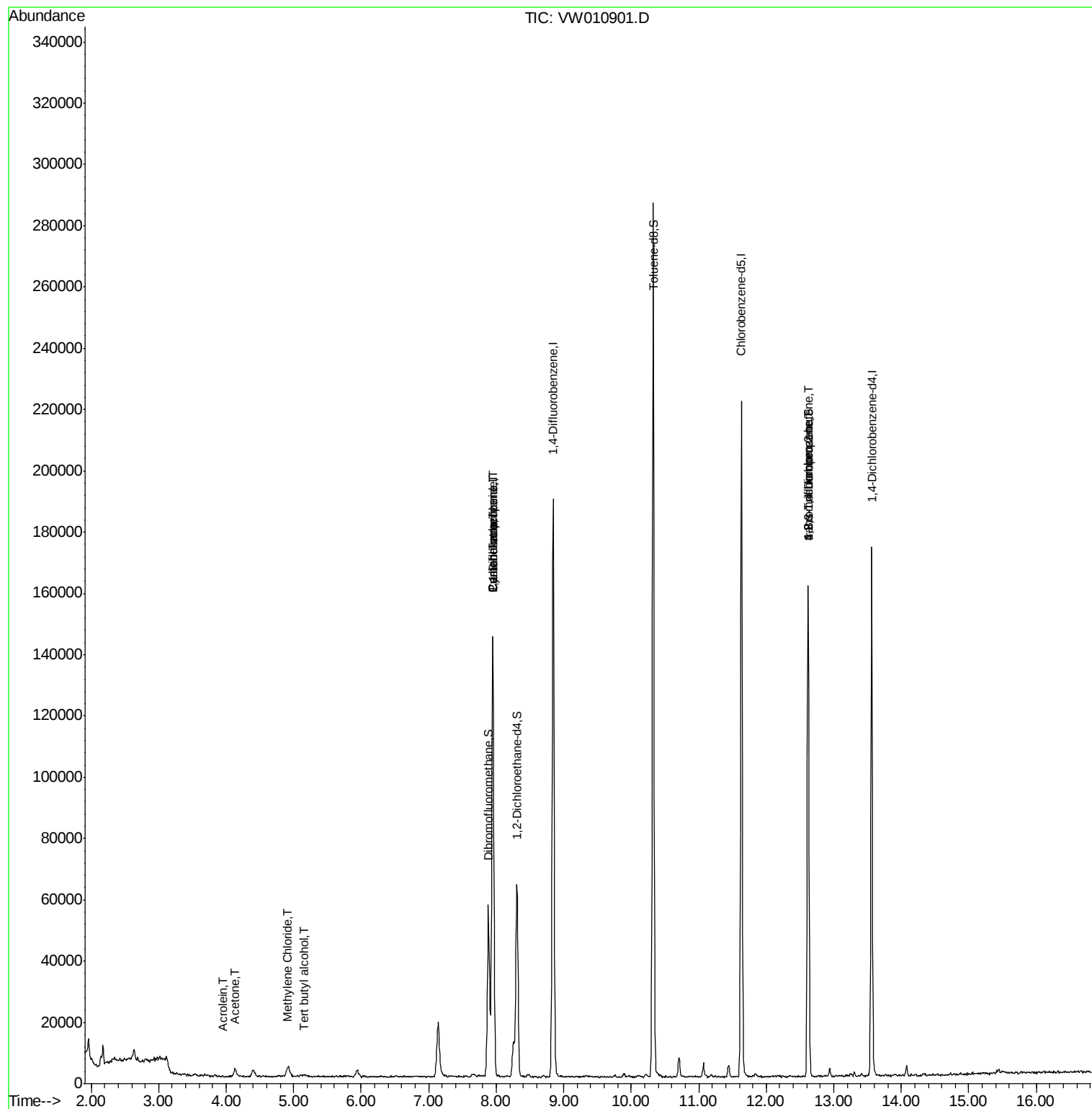
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	259	2.615	ug/l #	72
13) Acrolein	3.95	56	48	1.186	ug/l #	1
16) Acetone	4.14	43	4424	13.582	ug/l	98
20) Methylene Chloride	4.91	84	2159	1.889	ug/l #	88
31) Cyclohexane	7.95	56	3037	1.238	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	9729	6.518	ug/l #	51
38) Carbon Tetrachloride	7.95	117	10868	8.434	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	28201	65.666	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28201	150.921	ug/l #	5

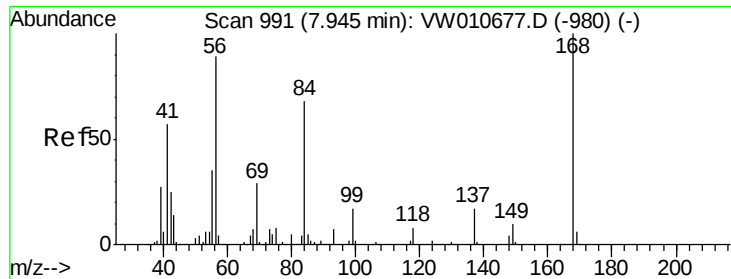
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062019\
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Instrument :
MSVOA_W
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Quant Time: Jun 21 07:49:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
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# 992

Delta R.T. 0.01 min

Lab File: VW010901.D

Acq: 20 Jun 2019 19:28

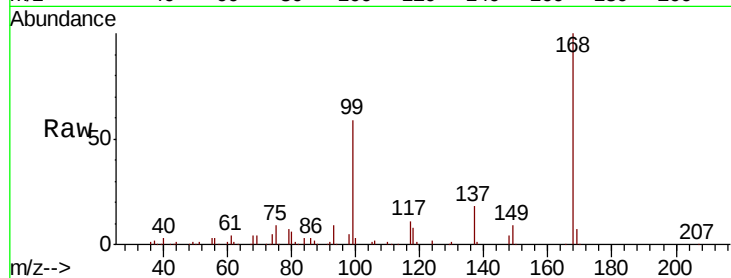
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 103138

Ion Ratio Lower Upper

168 100

99 59.4 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

50000

40000

30000

20000

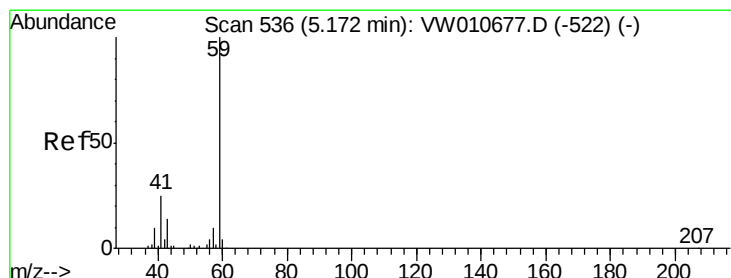
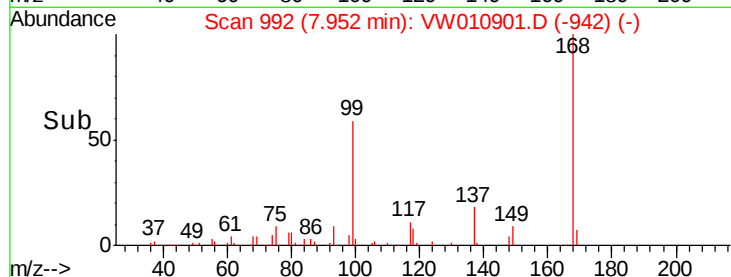
10000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: 2.615 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW010901.D

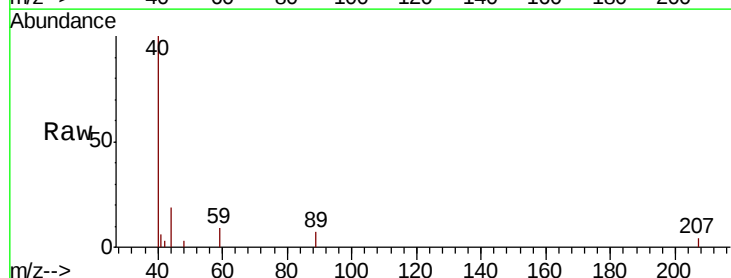
Acq: 20 Jun 2019 19:28

Tgt Ion: 59 Resp: 259

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

5.16

150

100

50

0

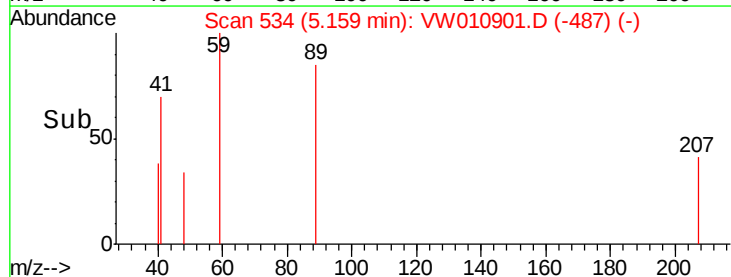
Time-->

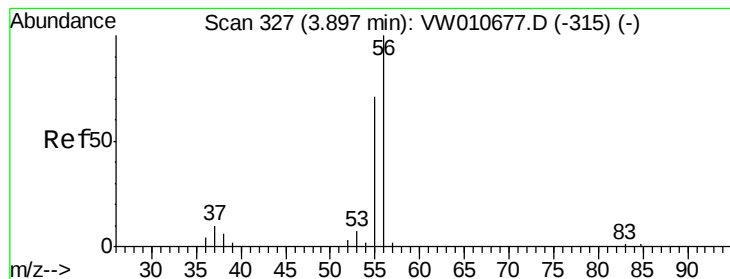
5.14

5.16

5.18

5.20





#13

Acrolein

Concen: 1.186 ug/l

RT: 3.95 min Scan# 335

Delta R.T. 0.05 min

Lab File: VW010901.D

Acq: 20 Jun 2019 19:28

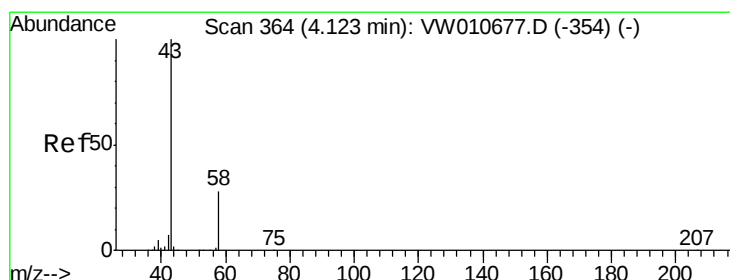
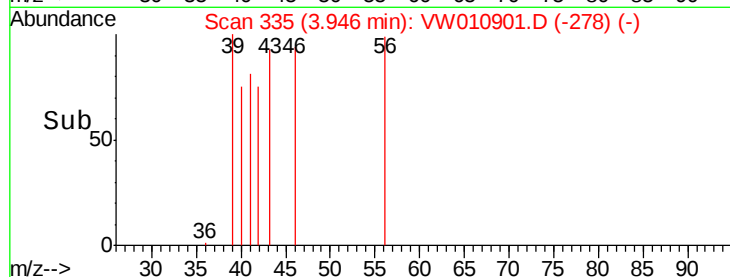
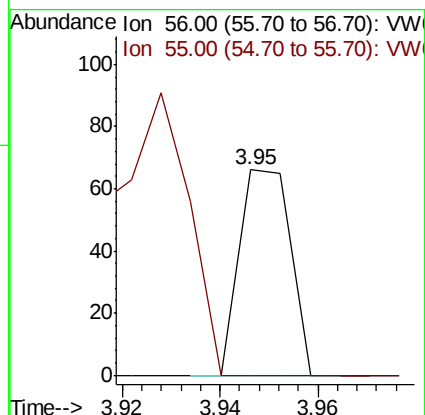
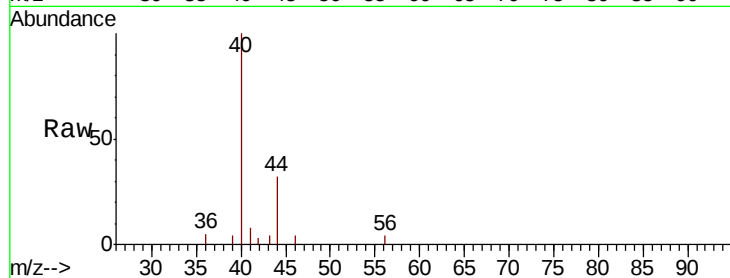
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 204.2 57.6 86.4#



#16

Acetone

Concen: 13.582 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010901.D

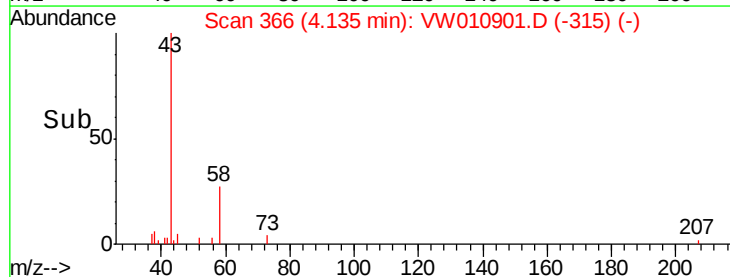
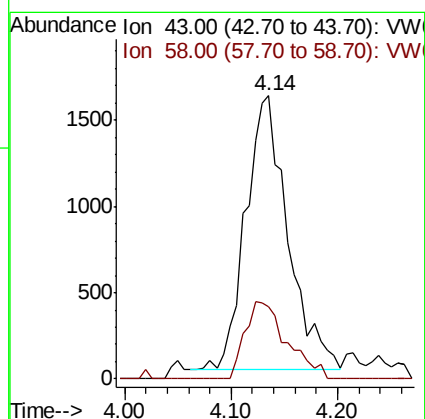
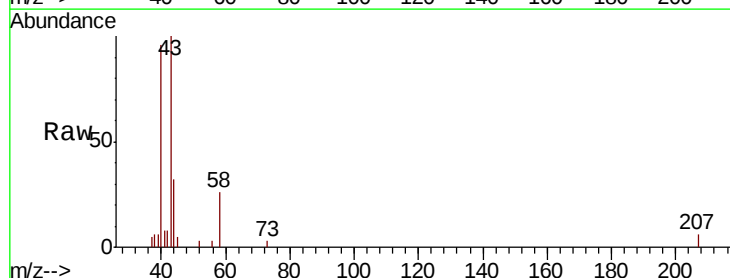
Acq: 20 Jun 2019 19:28

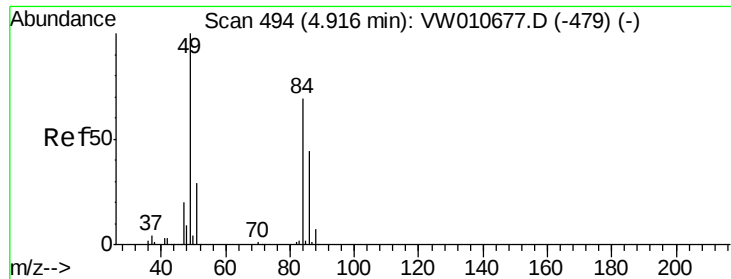
Tgt Ion: 43 Resp: 4424

Ion Ratio Lower Upper

43 100

58 26.5 22.1 33.1

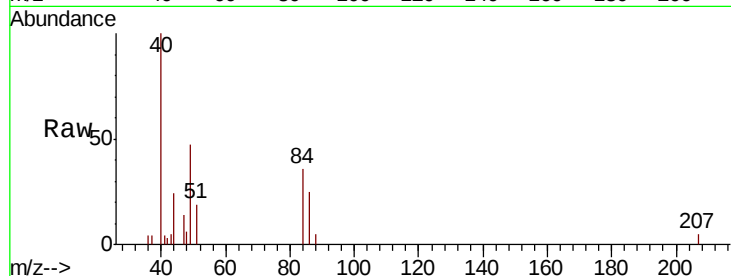




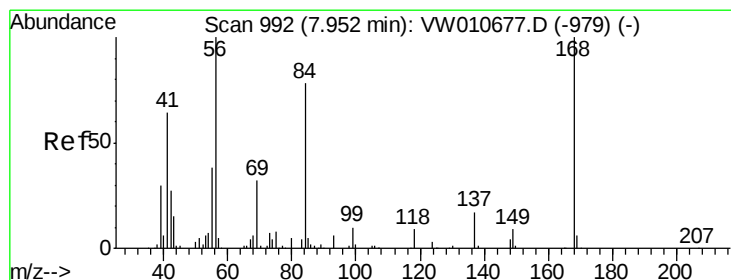
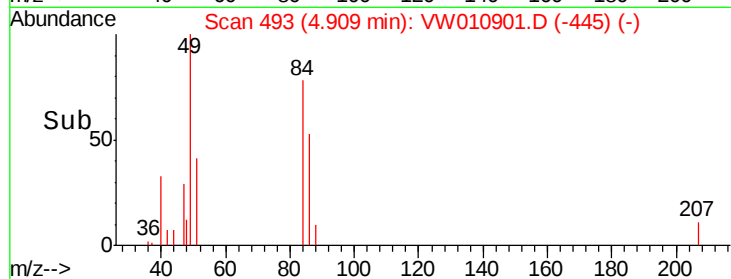
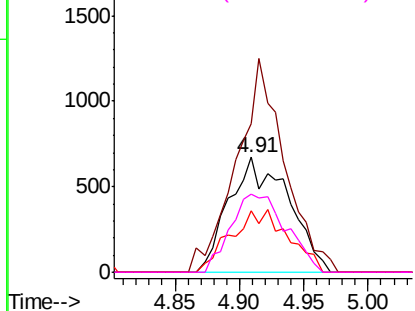
#20
Methvlene Chloride
Concen: 1.889 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010901.D
Acq: 20 Jun 2019 19:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 2159
Ion Ratio Lower Upper
84 100
49 129.0 116.7 175.1
51 53.1 34.2 51.2#
86 68.0 51.2 76.8

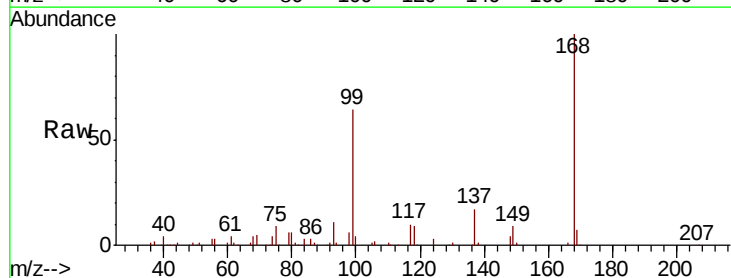


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

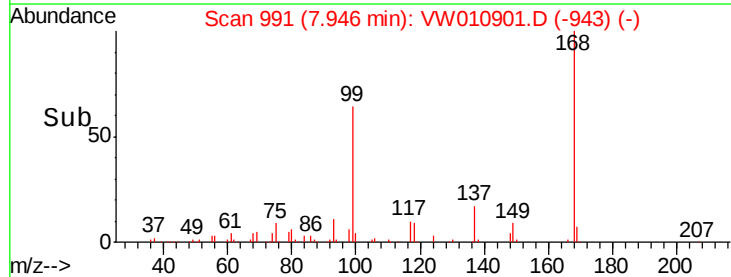
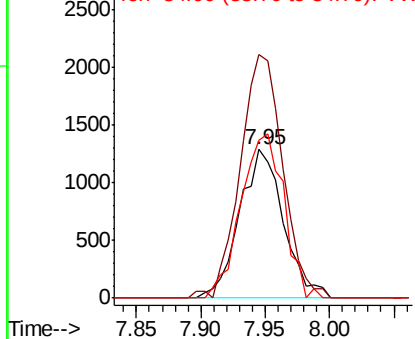


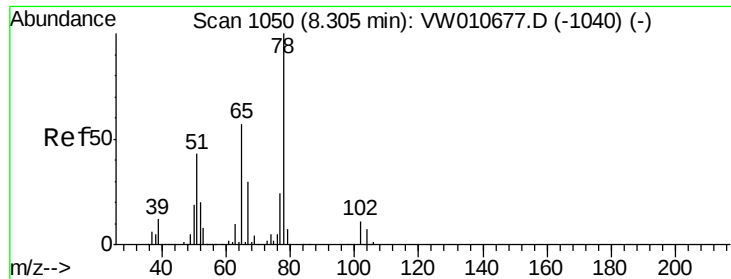
#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010901.D
Acq: 20 Jun 2019 19:28

Tgt Ion: 56 Resp: 3037
Ion Ratio Lower Upper
56 100
69 164.2 25.2 37.8#
84 106.5 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

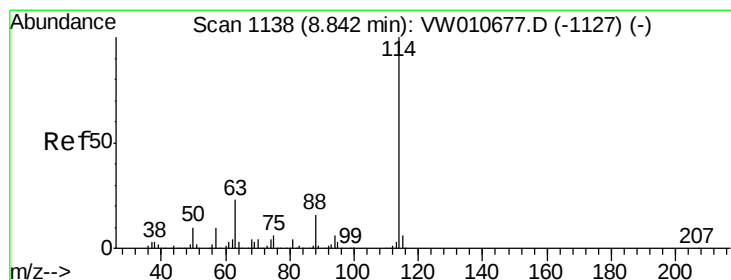
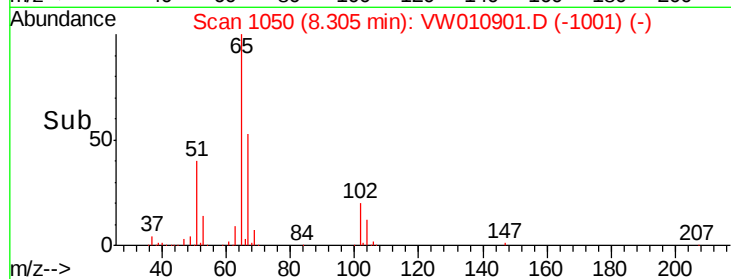
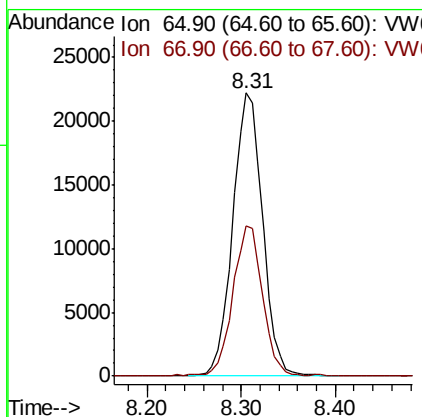
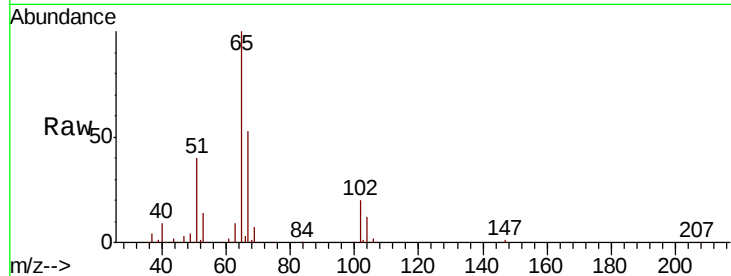




#33
 1,2-Dichloroethane-d4
 Concen: 40.189 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010901.D
 Acq: 20 Jun 2019 19:28

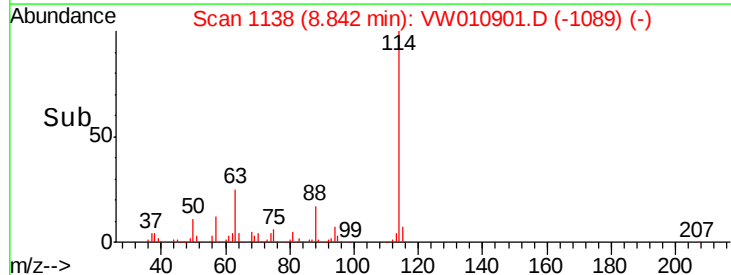
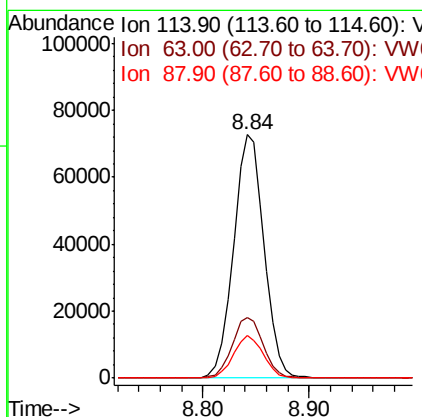
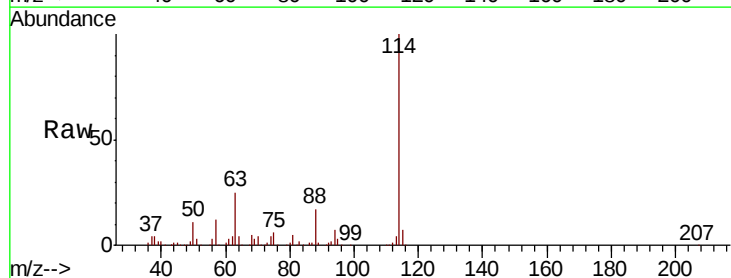
Instrument :
 MSVOA_W
 ClientSampled :

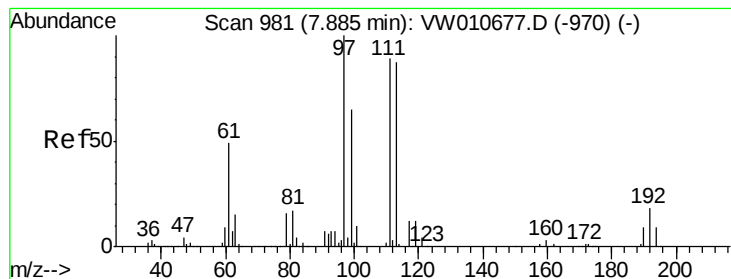
Tot Ion: 65 Resp: 48856
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010901.D
 Acq: 20 Jun 2019 19:28

Tgt Ion: 114 Resp: 145827
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 46.4
 88 17.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.361 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010901.D

Acq: 20 Jun 2019 19:28

Instrument :

MSVOA_W

ClientSampleId :

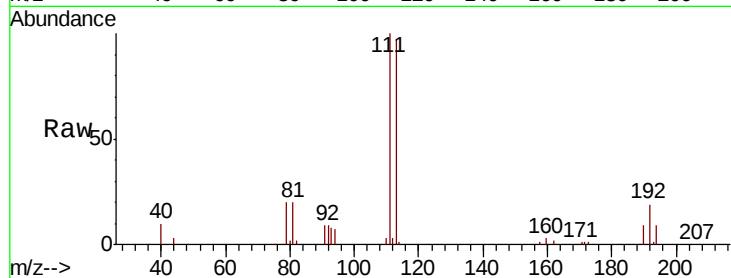
Tot Ion:113 Resp: 39862

Ion Ratio Lower Upper

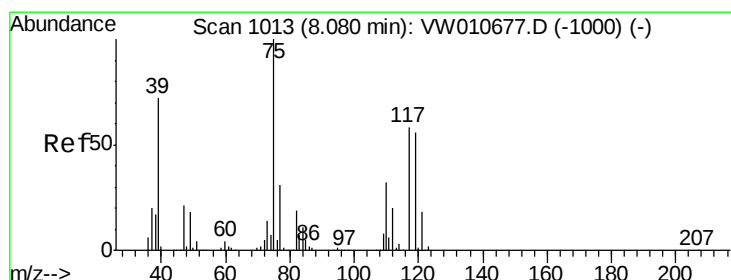
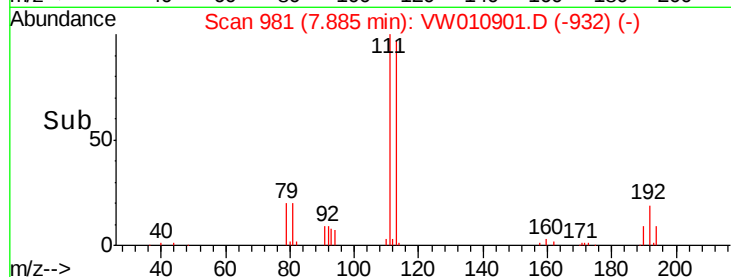
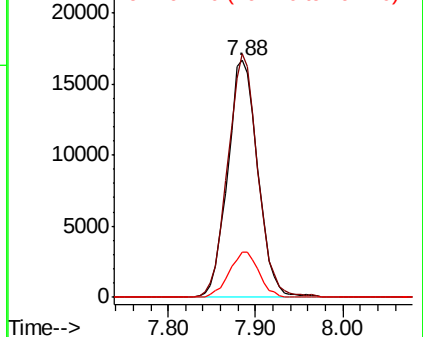
113 100

111 102.3 82.6 123.8

192 18.9 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: 6.518 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW010901.D

Acq: 20 Jun 2019 19:28

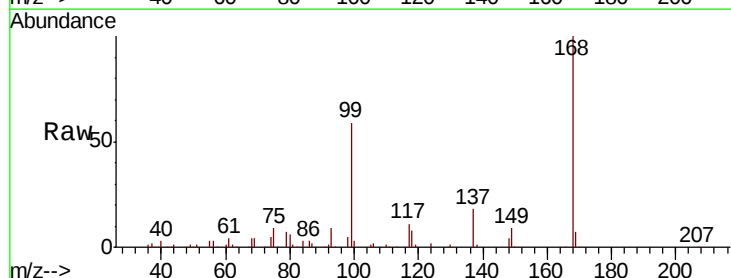
Tgt Ion: 75 Resp: 9729

Ion Ratio Lower Upper

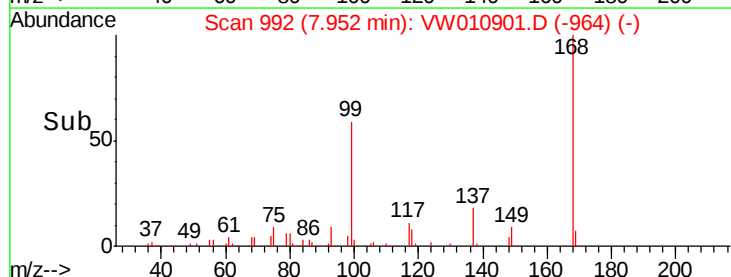
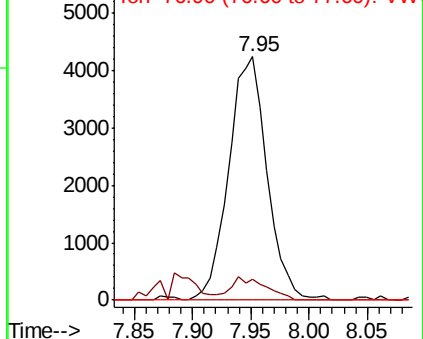
75 100

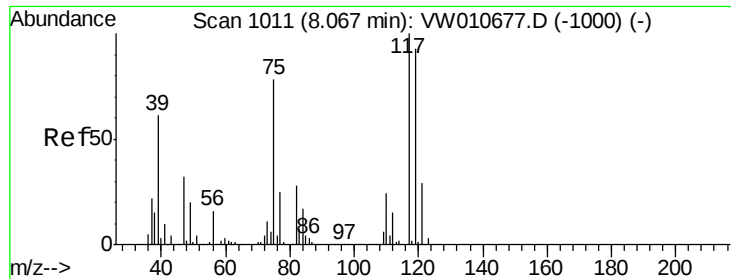
110 8.5 15.8 47.3#

77 0.0 24.7 37.1#



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

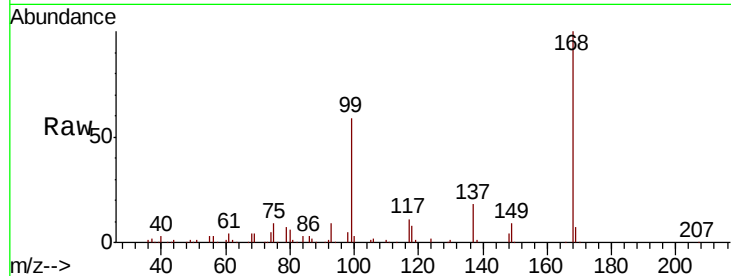




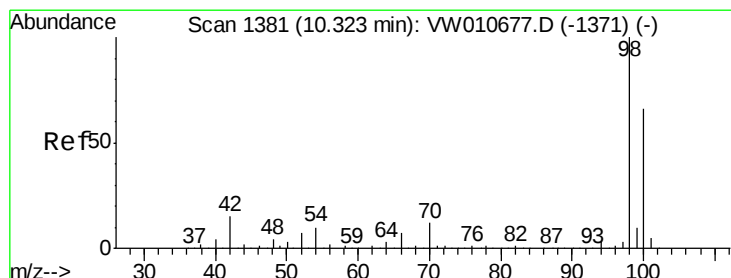
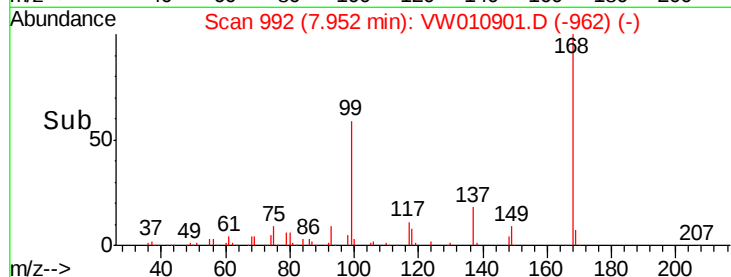
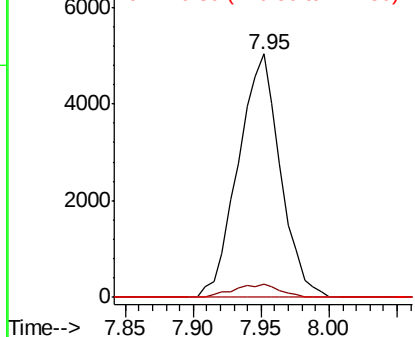
#38
Carbon Tetrachloride
Concen: 8.434 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010901.D
Acq: 20 Jun 2019 19:28

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 10868
Ion Ratio Lower Upper
117 100
119 5.2 74.2 111.4#
121 0.0 22.9 34.3#

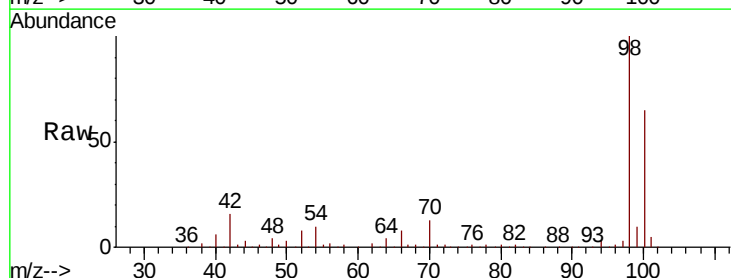


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

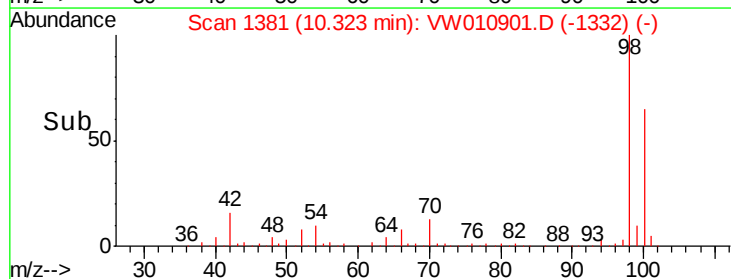
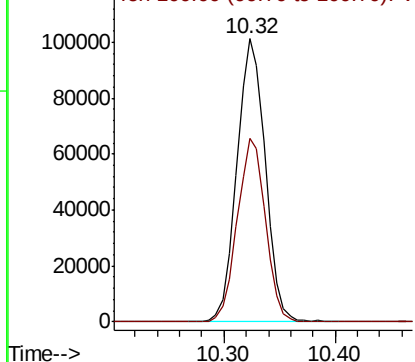


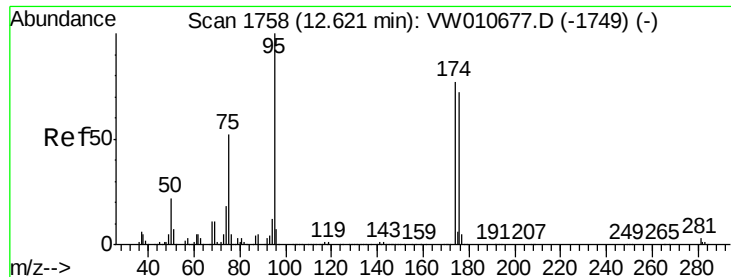
#50
Toluene-d8
Concen: 51.314 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010901.D
Acq: 20 Jun 2019 19:28

Tgt Ion: 98 Resp: 178106
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.6



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





#62

4-Bromofluorobenzene

Concen: 40.443 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010901.D

Acq: 20 Jun 2019 19:28

Instrument :

MSVOA_W

ClientSampleId :

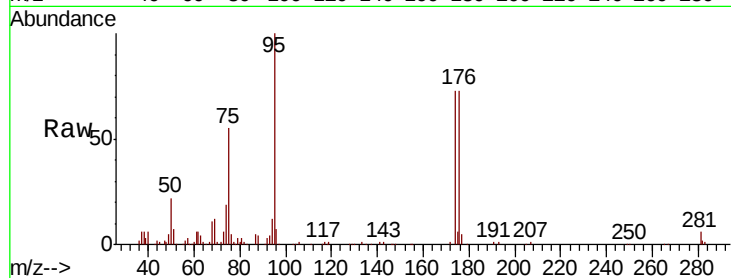
Tot Ion: 95 Resp: 51080

Ion Ratio Lower Upper

95 100

174 73.6 0.0 150.4

176 72.1 0.0 144.8

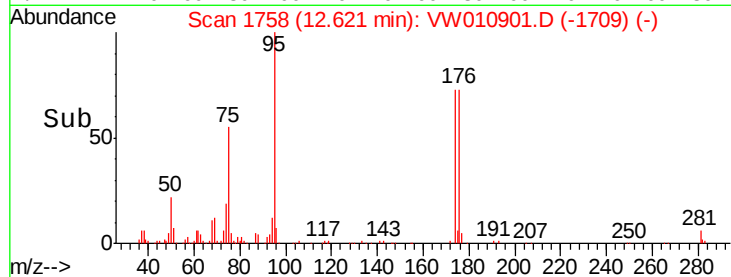


Abundance Ion 94.90 (94.60 to 95.60): VW010901.D (-1749) (-)

Ion 173.80 (173.50 to 174.50): VW010901.D (-1749) (-)

Ion 175.80 (175.50 to 176.50): VW010901.D (-1749) (-)

Time-->

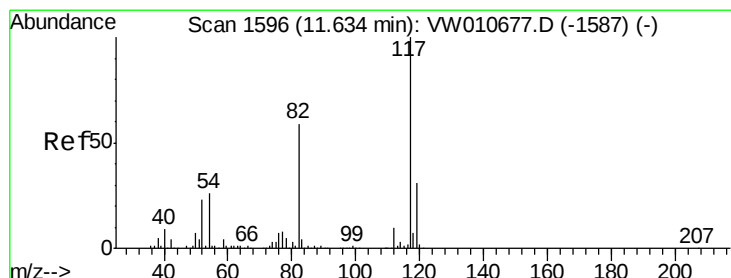


Abundance Ion 94.90 (94.60 to 95.60): VW010901.D (-1749) (-)

Ion 173.80 (173.50 to 174.50): VW010901.D (-1749) (-)

Ion 175.80 (175.50 to 176.50): VW010901.D (-1749) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW010901.D

Acq: 20 Jun 2019 19:28

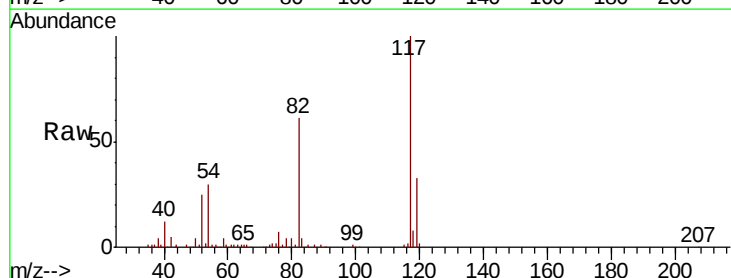
Tgt Ion: 117 Resp: 113848

Ion Ratio Lower Upper

117 100

82 61.3 47.0 70.4

119 32.7 25.1 37.7

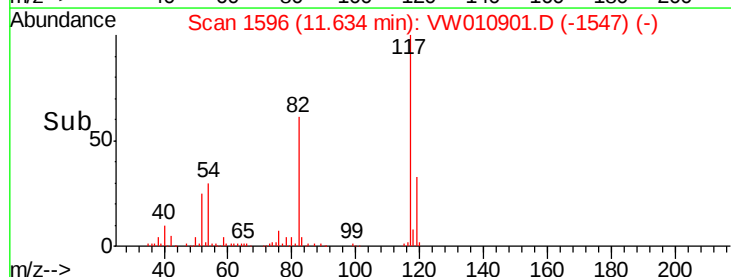


Abundance Ion 116.90 (116.60 to 117.60): VW010901.D (-1547) (-)

Ion 82.00 (81.70 to 82.70): VW010901.D (-1547) (-)

Ion 118.90 (118.60 to 119.60): VW010901.D (-1547) (-)

Time-->

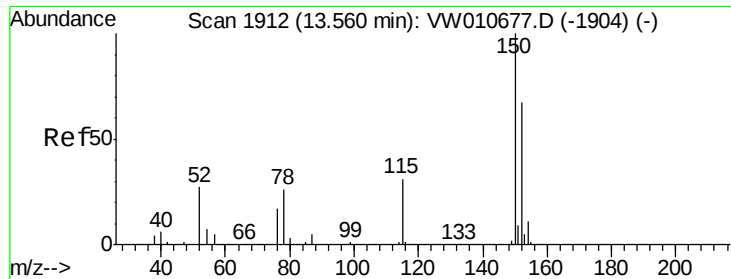


Abundance Ion 116.90 (116.60 to 117.60): VW010901.D (-1547) (-)

Ion 82.00 (81.70 to 82.70): VW010901.D (-1547) (-)

Ion 118.90 (118.60 to 119.60): VW010901.D (-1547) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010901.D

Acq: 20 Jun 2019 19:28

Instrument :

MSVOA_W

ClientSampleId :

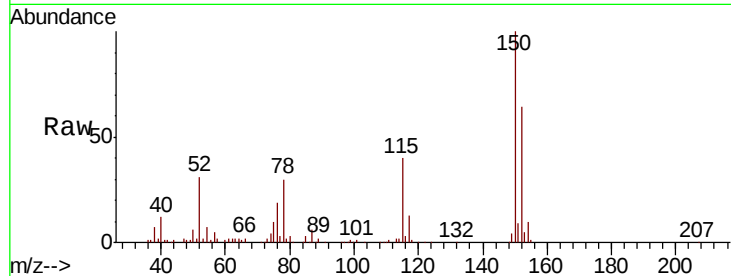
Tot Ion:152 Resp: 40896

Ion Ratio Lower Upper

152 100

115 62.2 29.8 89.3

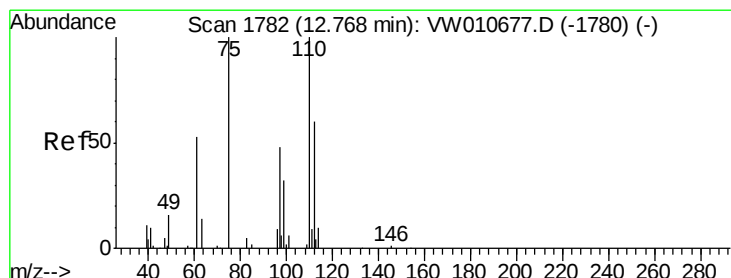
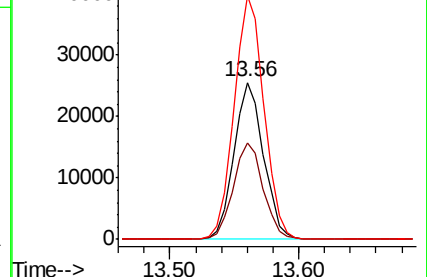
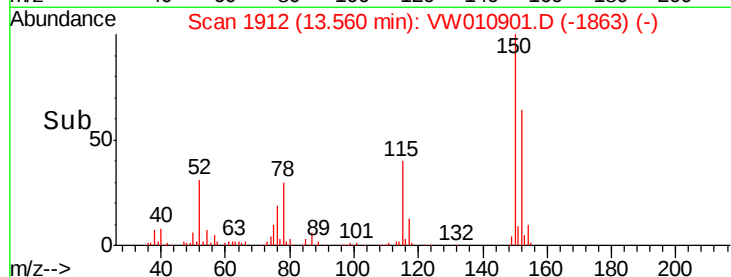
150 156.6 0.0 345.0



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: 65.666 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010901.D

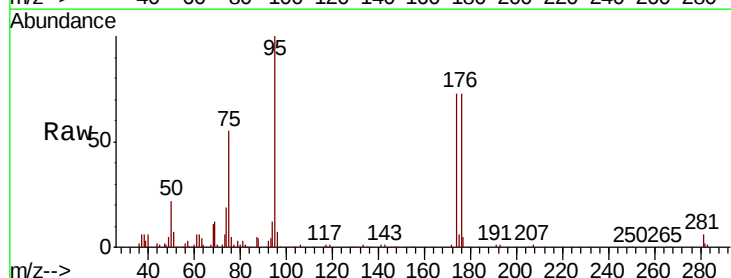
Acq: 20 Jun 2019 19:28

Tgt Ion: 75 Resp: 28201

Ion Ratio Lower Upper

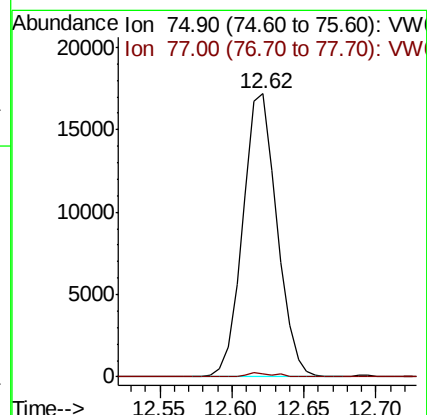
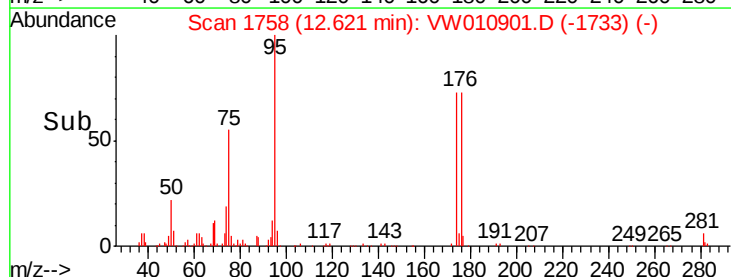
75 100

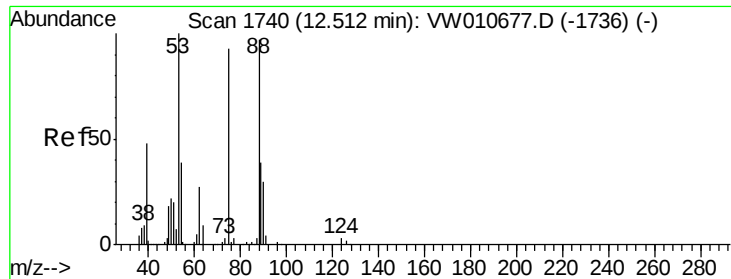
77 1.3 0.0 0.0#



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: 150.921 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010901.D

Acq: 20 Jun 2019 19:28

Instrument :

MSVOA_W

ClientSampleId :

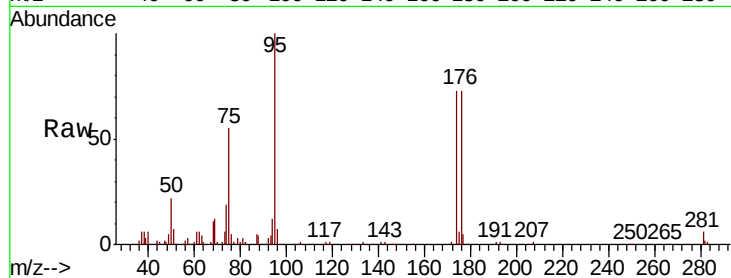
Tot Ion: 75 Resp: 28201

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 34.6 52.0#



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

