

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010661.D
 Acq On : 03 Jun 2019 16:00
 Operator : SY/VA
 Sample : K3138-05
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 04 07:38:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

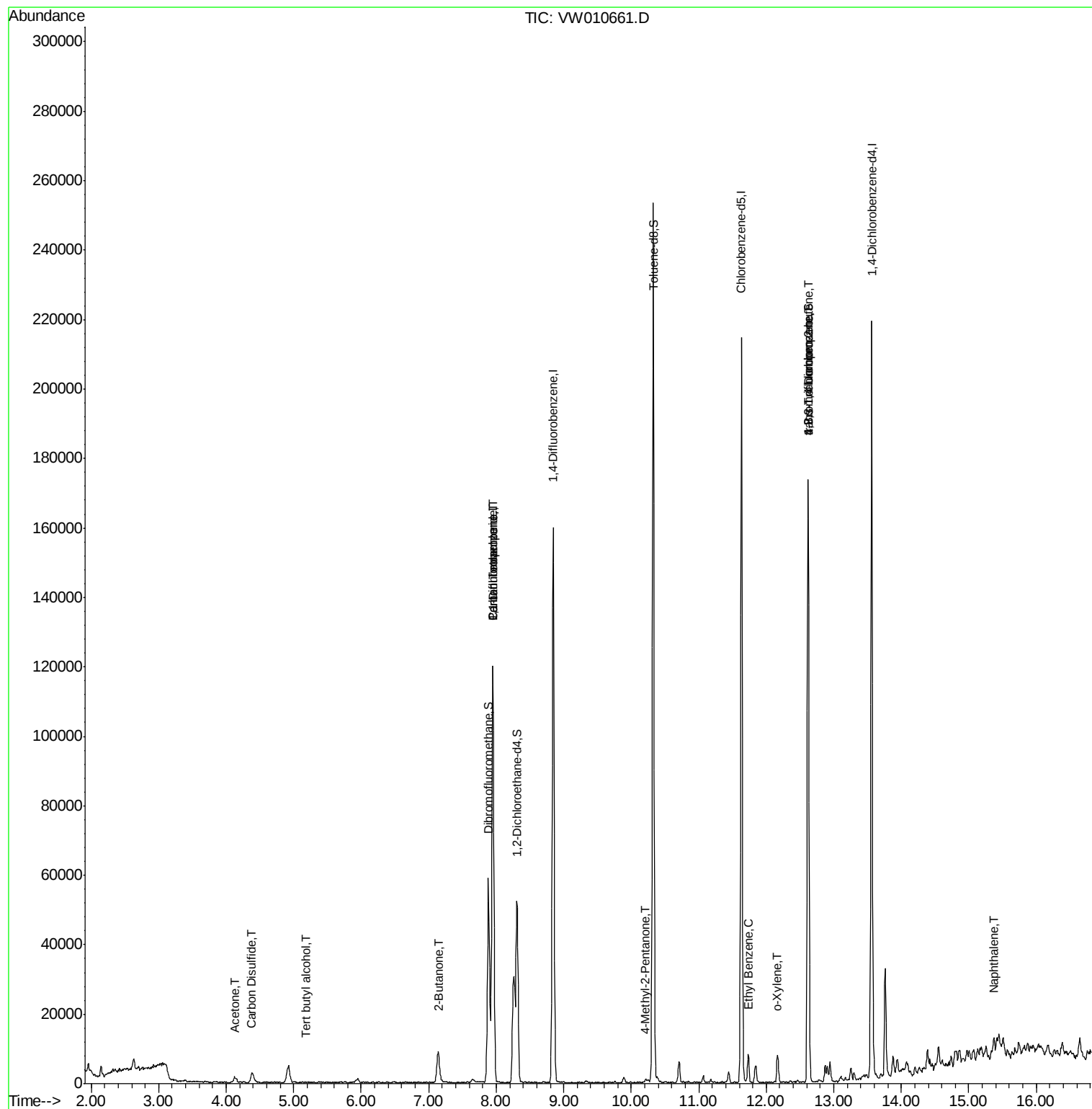
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	92423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	126879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57838	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	41070	43.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.10%	
35) Dibromofluoromethane	7.88	113	42072	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
50) Toluene-d8	10.32	98	174071	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.62	95	63160	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	217	Below Cal	#	42
11) Tert butyl alcohol	5.18	59	170	1.981	ug/l #	71
16) Acetone	4.14	43	3077	15.802	ug/l	93
17) Carbon Disulfide	4.38	76	4167	1.431	ug/l	95
20) Methylene Chloride	4.92	84	4237	Below Cal	#	86
25) 2-Butanone	7.15	43	520	1.866	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	6491	4.783	ug/l #	48
38) Carbon Tetrachloride	7.95	117	9112	6.224	ug/l #	15
51) 4-Methyl-2-Pentanone	10.21	43	903	1.546	ug/l #	60
67) Ethyl Benzene	11.73	91	6277	1.315	ug/l	93
69) o-Xylene	12.17	106	2237	1.261	ug/l	86
76) 1,2,3-Trichloropropane	12.62	75	29394	50.067	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	29394	104.491	ug/l #	14
95) Naphthalene	15.37	128	5082	1.938	ug/l	99

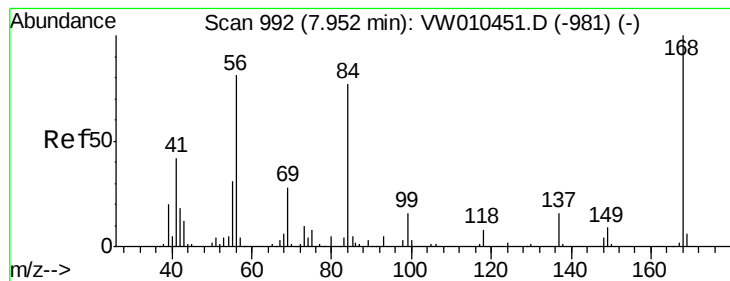
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060319\
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ClientSampleId :

Quant Time: Jun 04 07:38:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010661.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_W

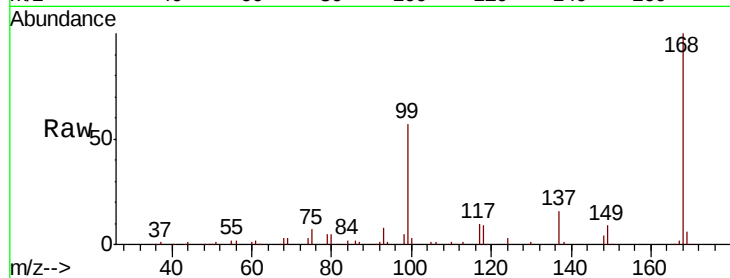
ClientSampleId :

Tot Ion:168 Resp: 92423

Ion Ratio Lower Upper

168 100

99 57.4 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): VW010451.D (-981) (-)

Ion 98.90 (98.60 to 99.60): VW010451.D (-981) (-)

7.95

40000

30000

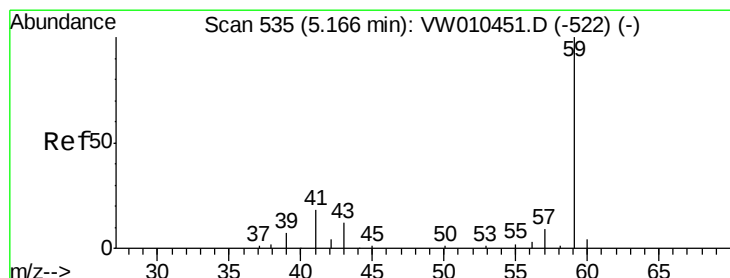
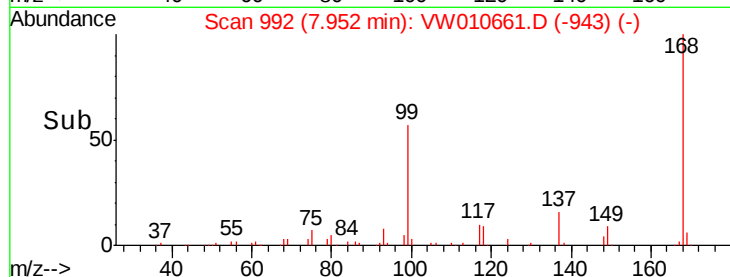
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 1.981 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010661.D

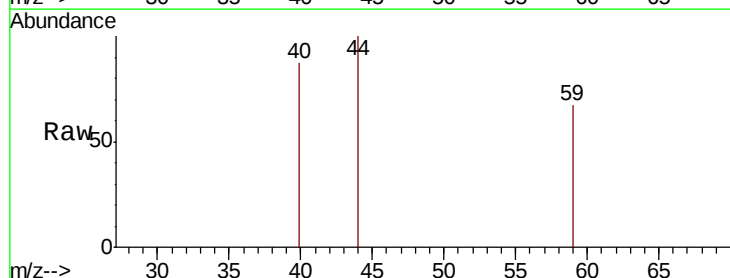
Acq: 03 Jun 2019 16:00

Tgt Ion: 59 Resp: 170

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW010451.D (-522) (-)

Ion 57.00 (56.70 to 57.70): VW010451.D (-522) (-)

5.18

120

100

80

60

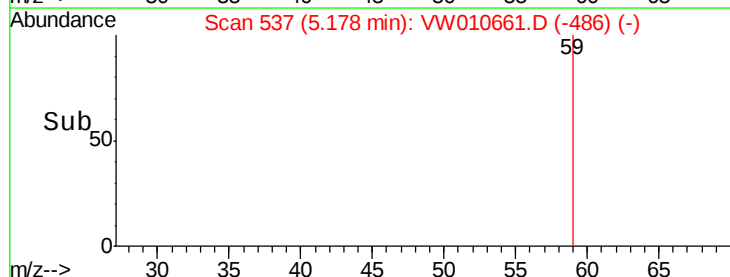
40

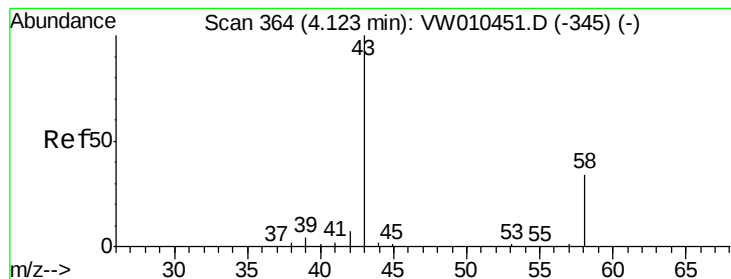
20

0

5.15 5.20

Time-->





#16

Acetone

Concen: 15.802 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010661.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_W

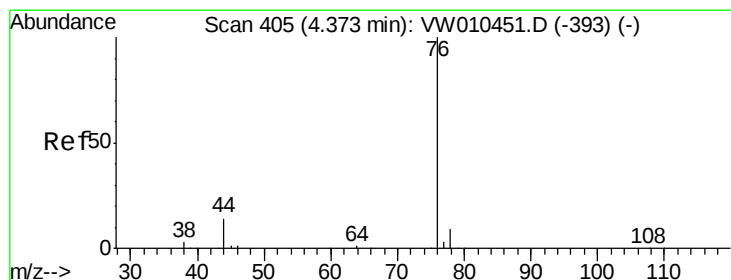
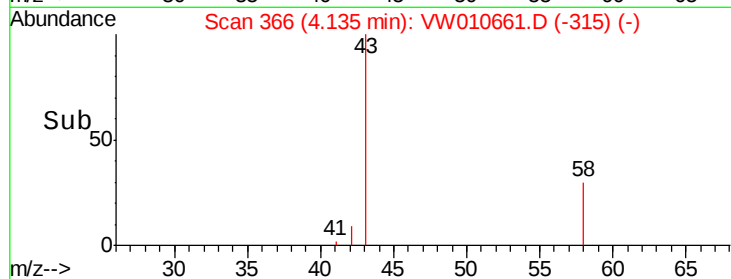
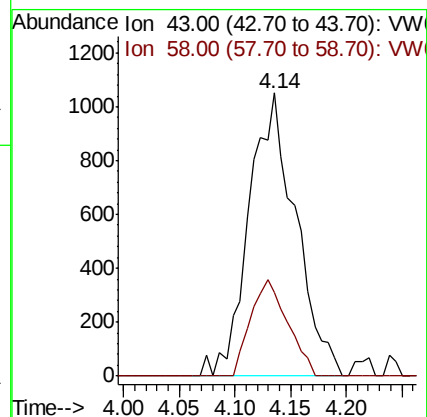
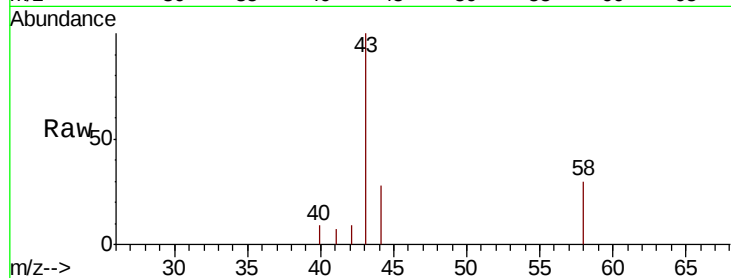
ClientSampled :

Tot Ion: 43 Resp: 3077

Ion Ratio Lower Upper

43 100

58 29.7 27.0 40.4



#17

Carbon Disulfide

Concen: 1.431 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010661.D

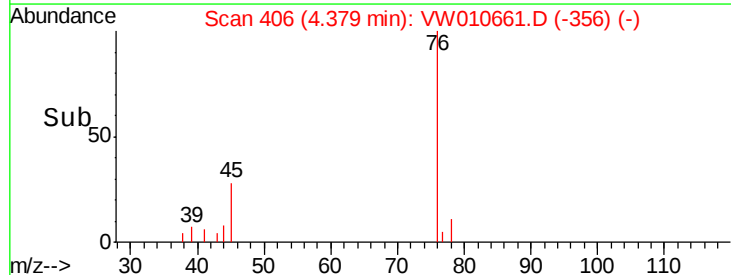
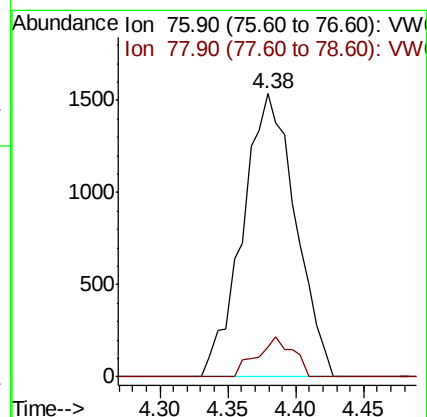
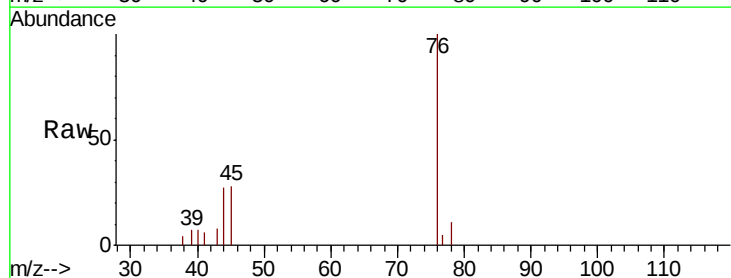
Acq: 03 Jun 2019 16:00

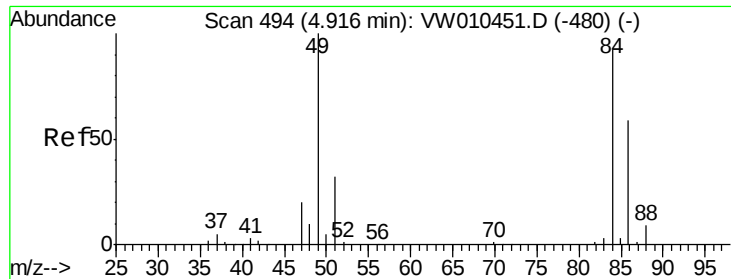
Tgt Ion: 76 Resp: 4167

Ion Ratio Lower Upper

76 100

78 10.5 7.1 10.7

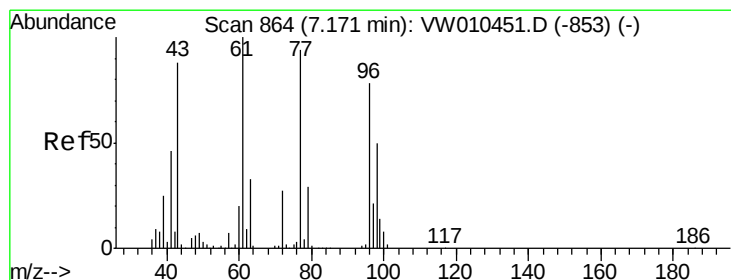
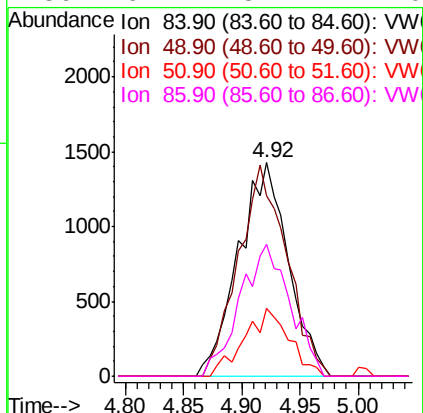
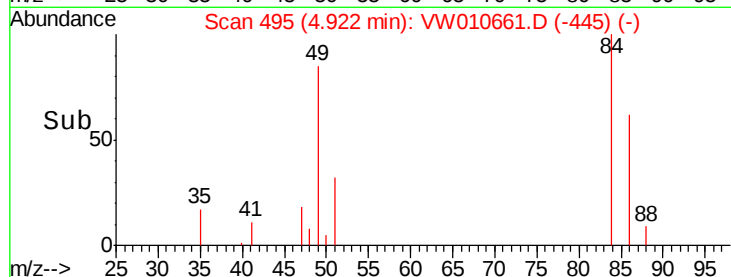
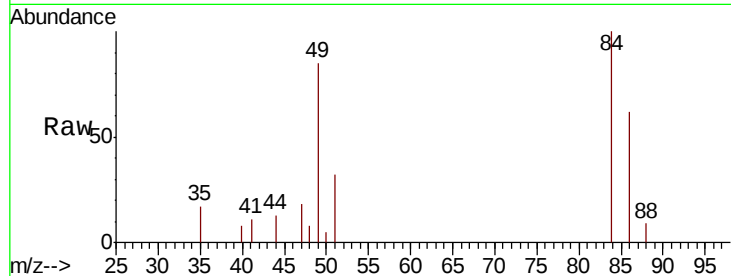




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010661.D
Acq: 03 Jun 2019 16:00

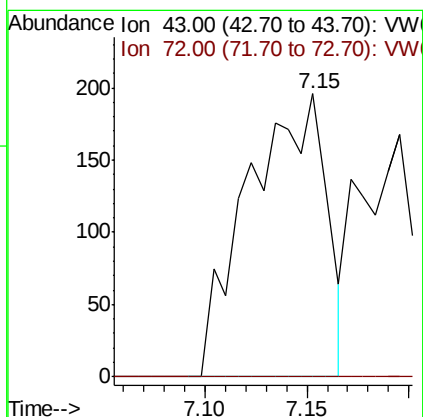
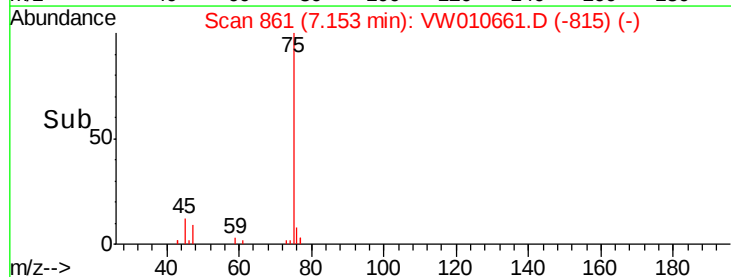
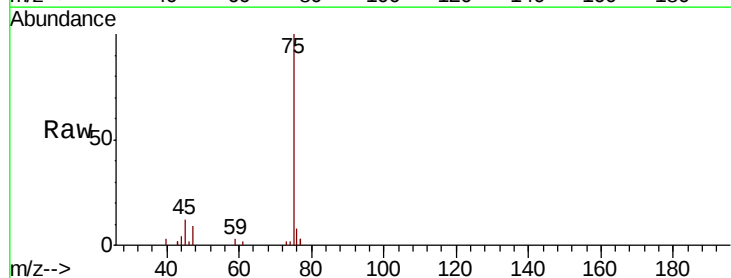
Instrument :
MSVOA_W
ClientSampled :

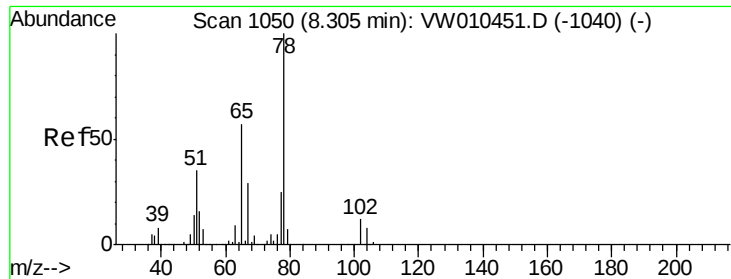
Tot Ion: 84 Resp: 4237
Ion Ratio Lower Upper
84 100
49 84.6 87.2 130.8#
51 32.0 27.7 41.5
86 61.7 51.4 77.0



#25
2-Butanone
Concen: 1.866 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW010661.D
Acq: 03 Jun 2019 16:00

Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
72 0.0 24.1 36.1#

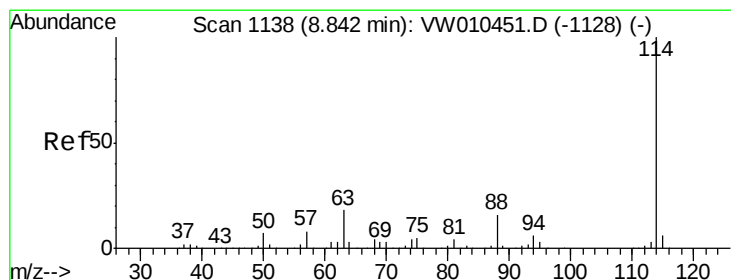
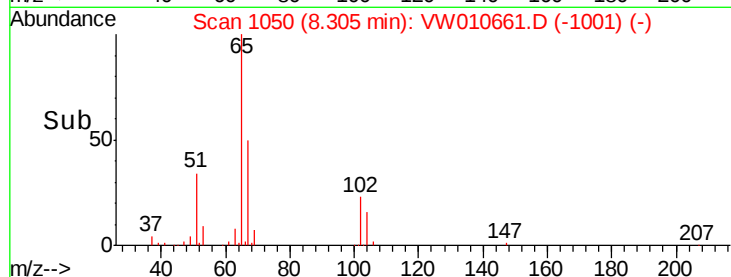
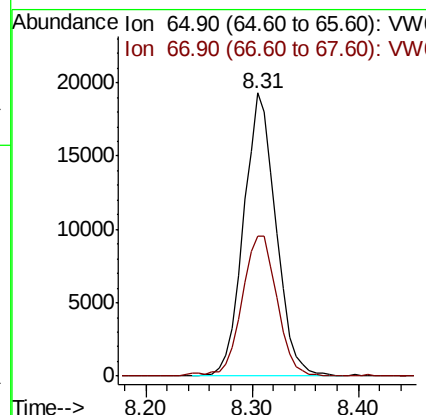
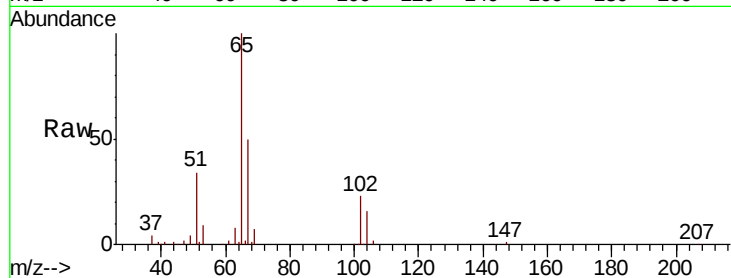




#33
 1,2-Dichloroethane-d4
 Concen: 43.052 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010661.D
 Acq: 03 Jun 2019 16:00

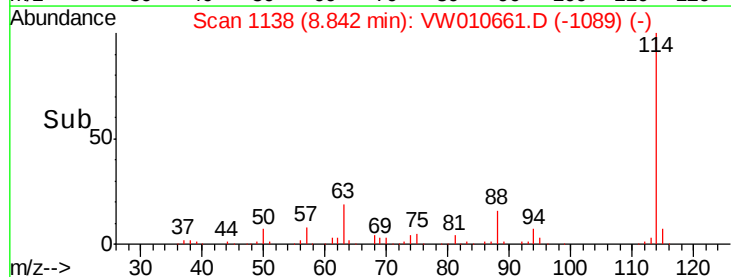
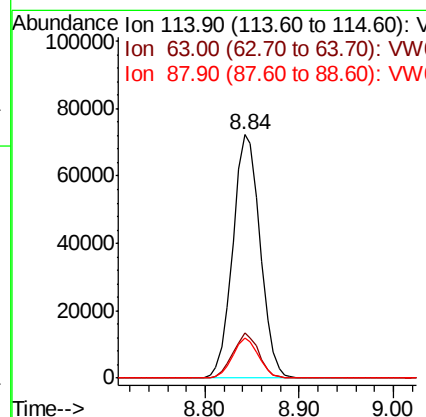
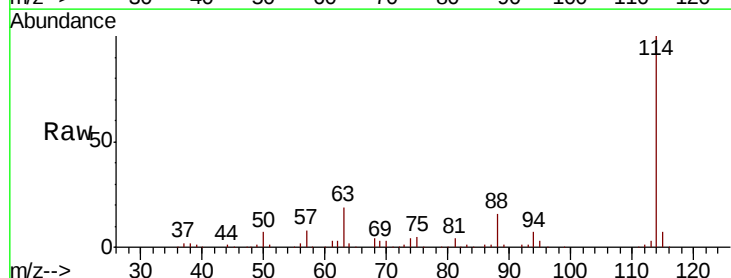
Instrument :
 MSVOA_W
 ClientSampled :

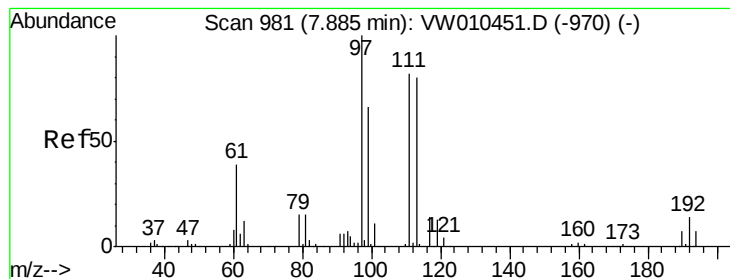
Tot Ion: 65 Resp: 41070
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010661.D
 Acq: 03 Jun 2019 16:00

Tgt Ion: 114 Resp: 145675
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.0
 88 16.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.597 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010661.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

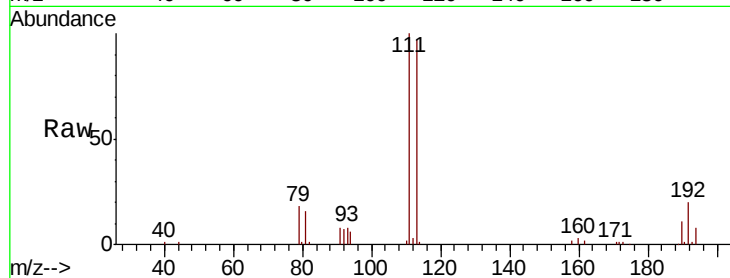
Tot Ion:113 Resp: 42072

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

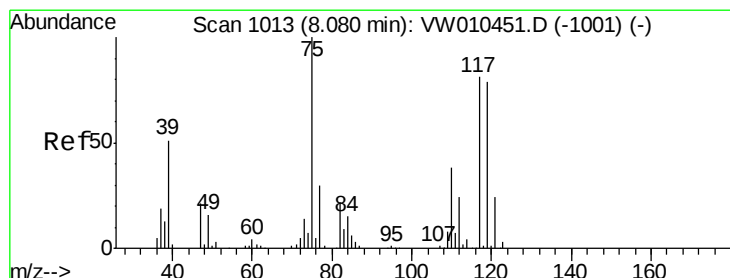
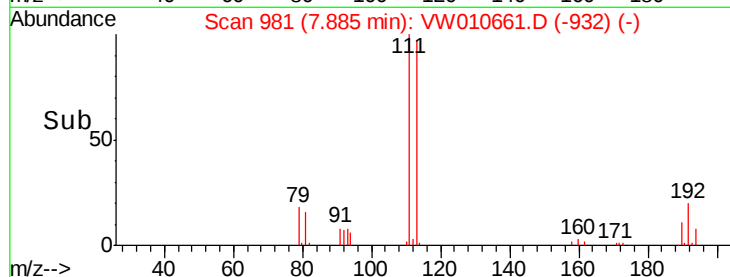
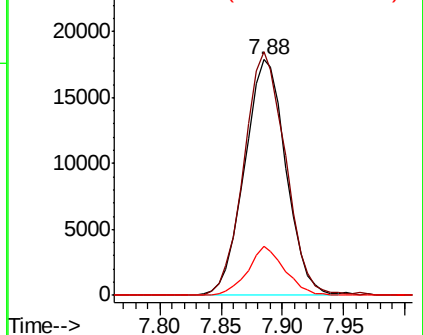
192 18.7 14.3 21.5



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: 4.783 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010661.D

Acq: 03 Jun 2019 16:00

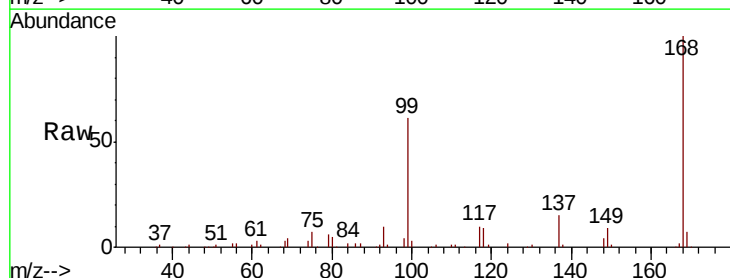
Tgt Ion: 75 Resp: 6491

Ion Ratio Lower Upper

75 100

110 9.3 19.2 57.6#

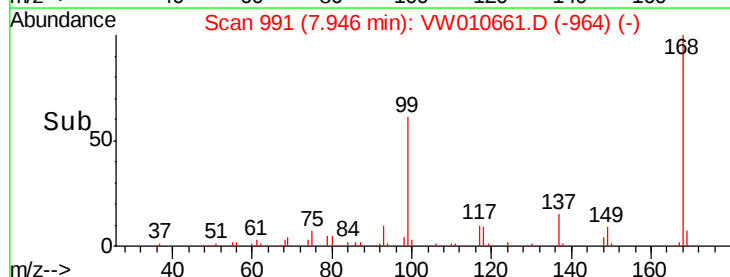
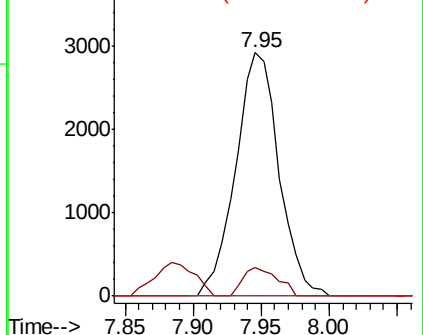
77 0.0 25.2 37.8#

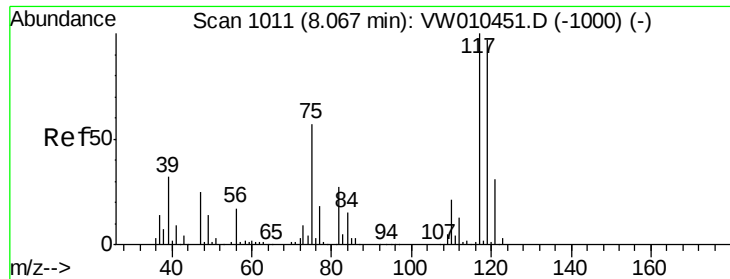


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

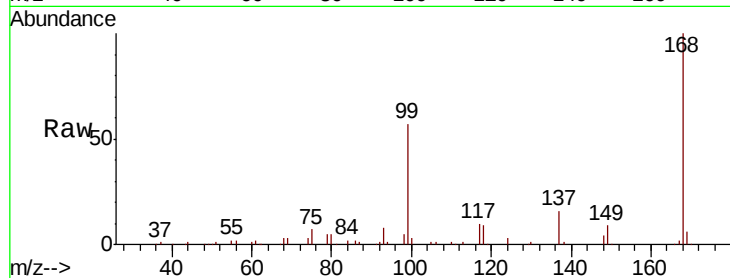




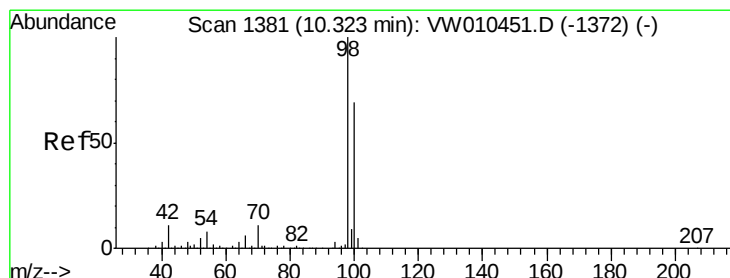
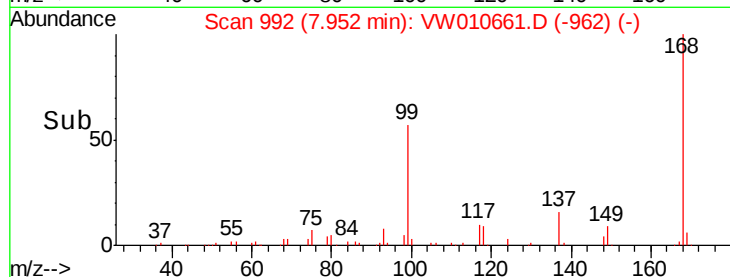
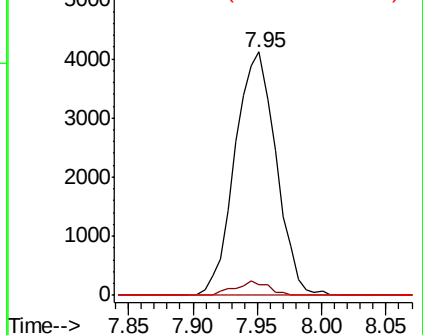
#38
Carbon Tetrachloride
Concen: 6.224 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010661.D
Acq: 03 Jun 2019 16:00

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 9112
Ion Ratio Lower Upper
117 100
119 4.6 77.4 116.0#
121 0.0 25.0 37.6#

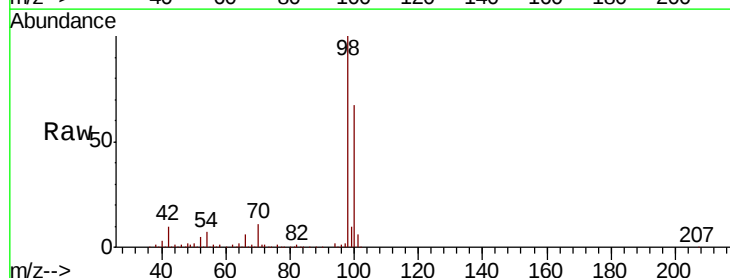


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

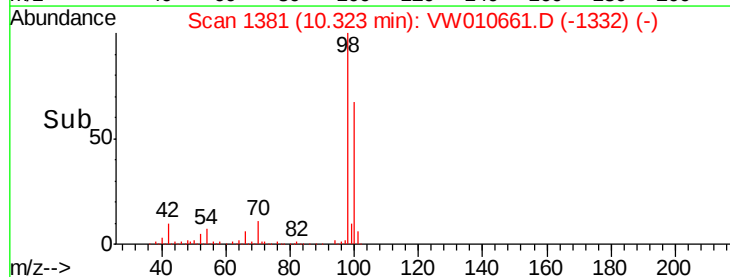
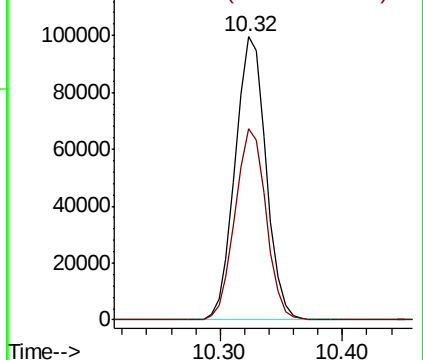


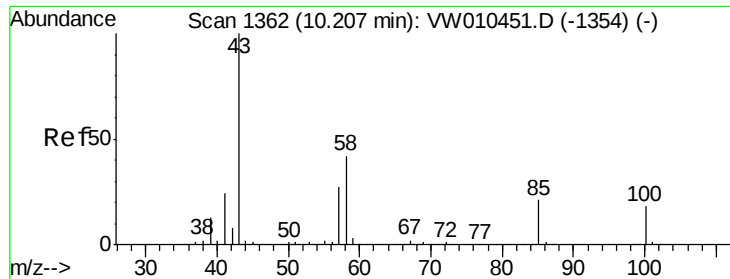
#50
Toluene-d8
Concen: 51.549 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010661.D
Acq: 03 Jun 2019 16:00

Tgt Ion: 98 Resp: 174071
Ion Ratio Lower Upper
98 100
100 67.9 53.7 80.5



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





#51

4-Methyl-2-Pentanone

Concen: 1.546 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010661.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_W

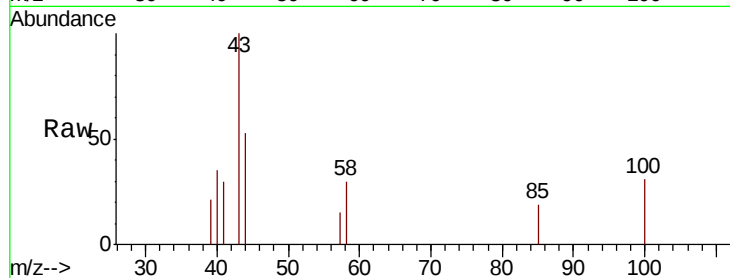
ClientSampled :

Tot Ion: 43 Resp: 903

Ion Ratio Lower Upper

43 100

58 16.3 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

400

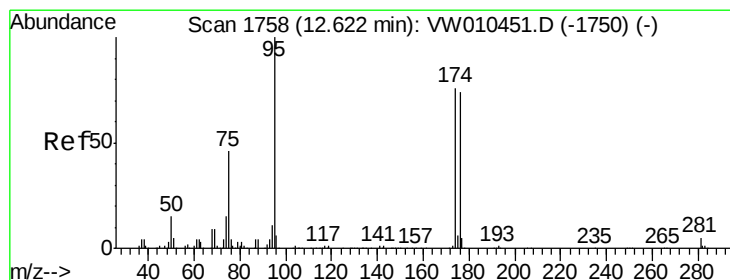
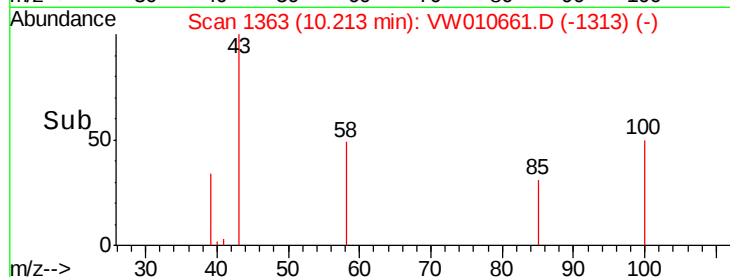
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.958 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010661.D

Acq: 03 Jun 2019 16:00

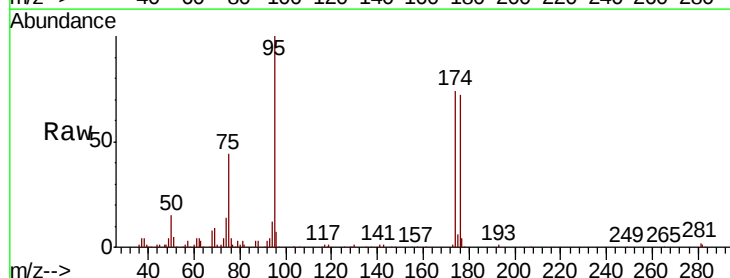
Tgt Ion: 95 Resp: 63160

Ion Ratio Lower Upper

95 100

174 74.5 0.0 148.6

176 73.1 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

50000

40000

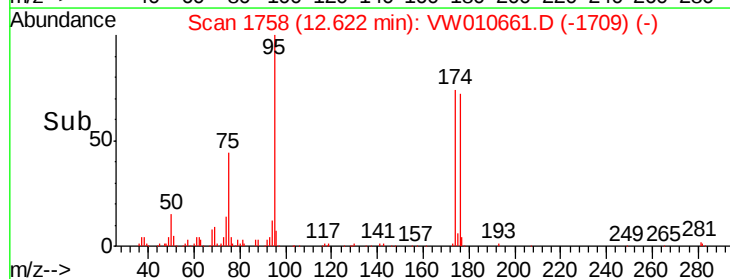
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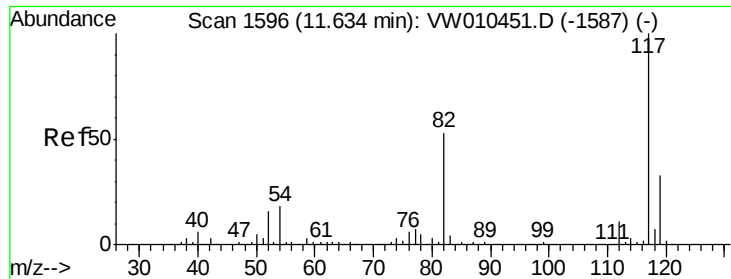
20000

10000

0

Time-->

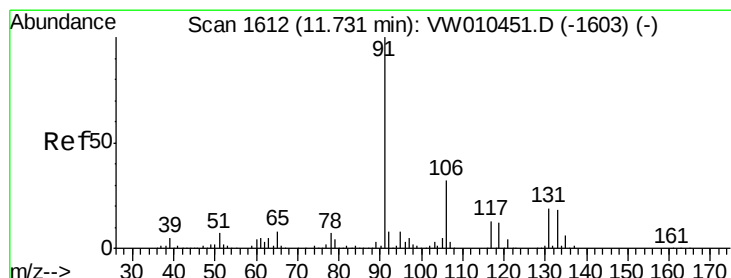
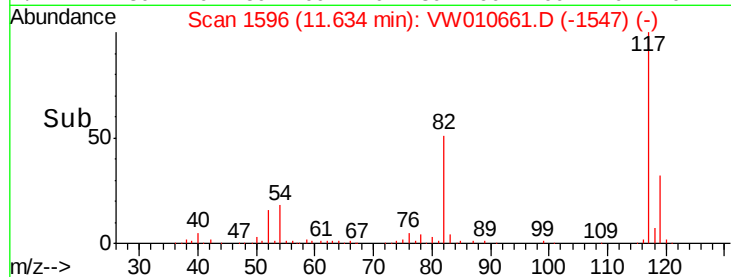
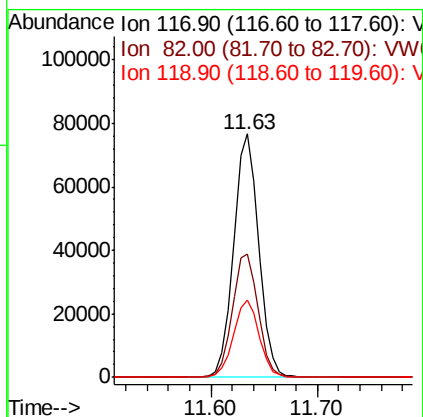
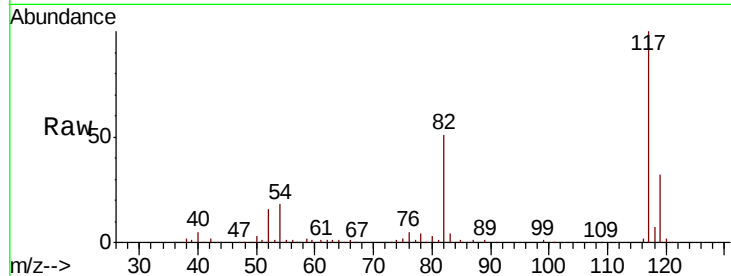




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010661.D
Acq: 03 Jun 2019 16:00

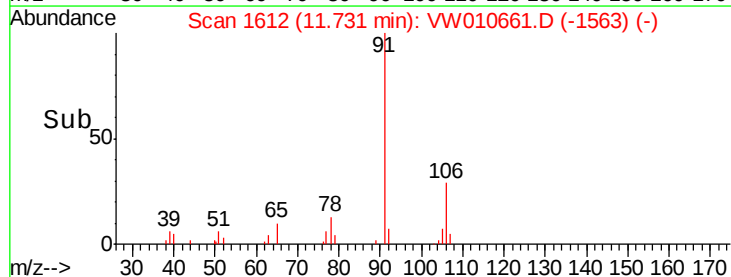
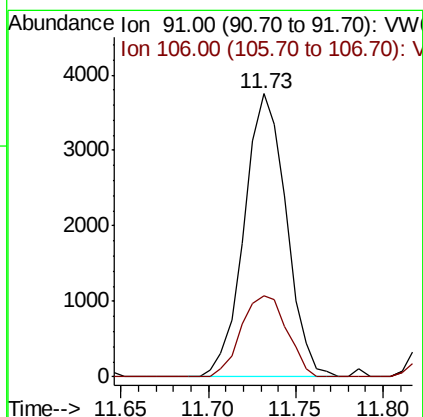
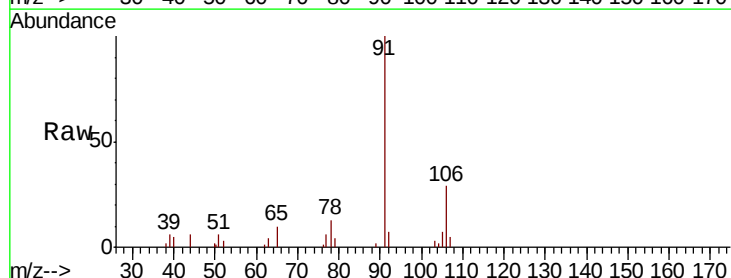
Instrument :
MSVOA_W
ClientSampleId :

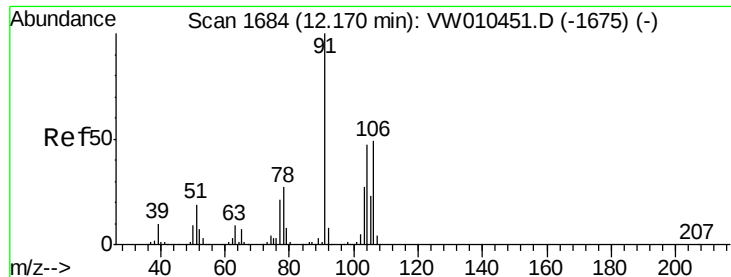
Tot Ion:117 Resp: 126879
Ion Ratio Lower Upper
117 100
82 50.7 42.8 64.2
119 31.6 26.3 39.5



#67
Ethyl Benzene
Concen: 1.315 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010661.D
Acq: 03 Jun 2019 16:00

Tgt Ion: 91 Resp: 6277
Ion Ratio Lower Upper
91 100
106 28.6 25.9 38.9

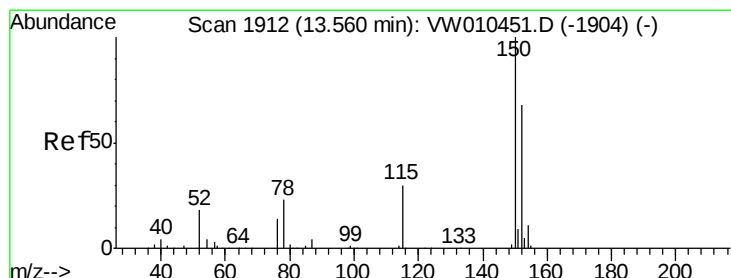
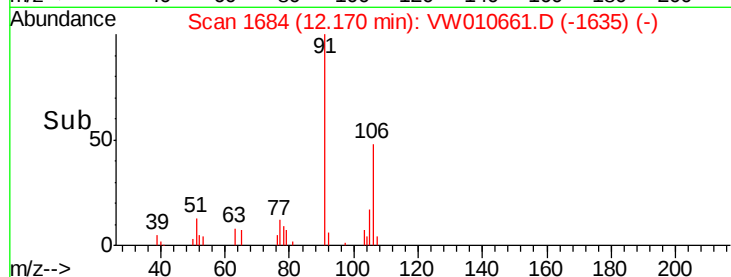
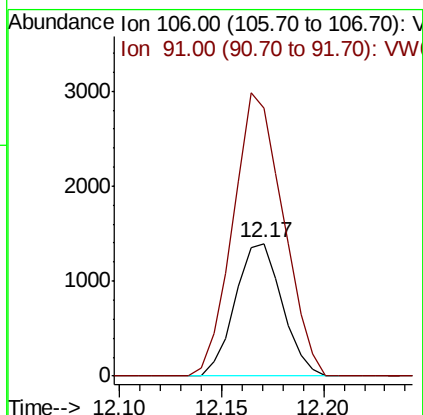
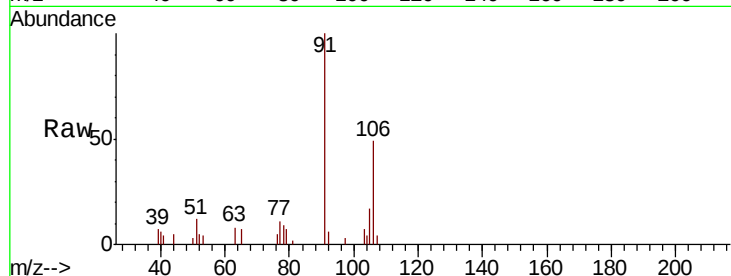




#69
o-Xylene
Concen: 1.261 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010661.D
Acq: 03 Jun 2019 16:00

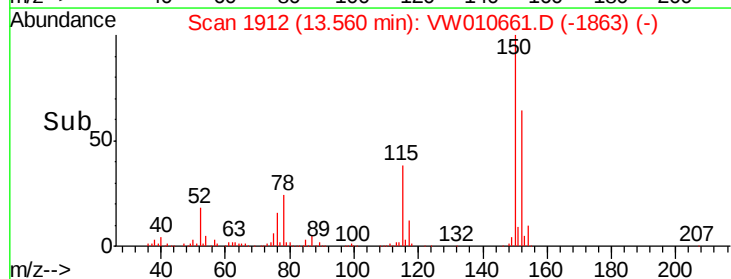
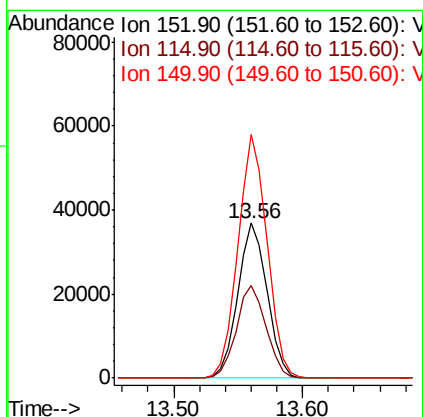
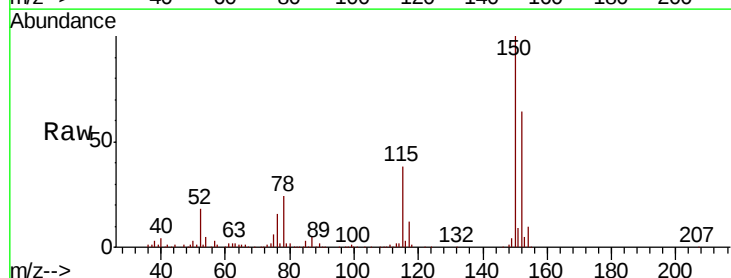
Instrument :
MSVOA_W
ClientSampled :

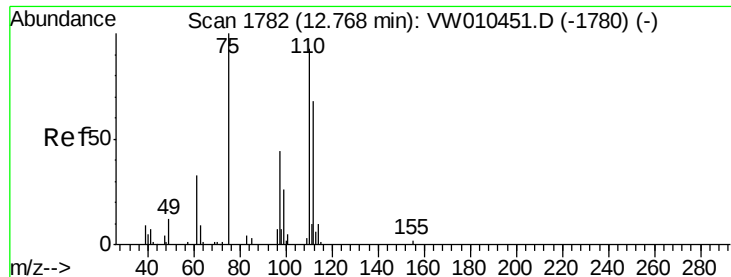
Tot Ion:106 Resp: 2237
Ion Ratio Lower Upper
106 100
91 227.2 103.2 309.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010661.D
Acq: 03 Jun 2019 16:00

Tgt Ion:152 Resp: 57838
Ion Ratio Lower Upper
152 100
115 60.6 30.3 91.0
150 156.0 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 50.067 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010661.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_W

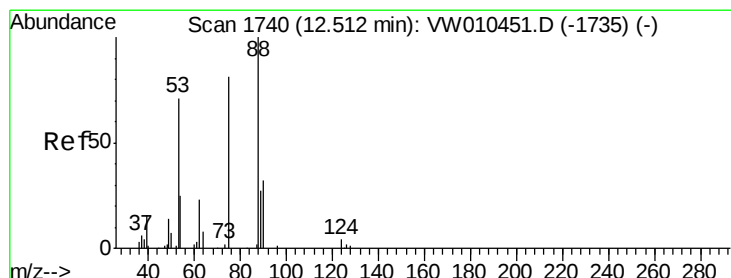
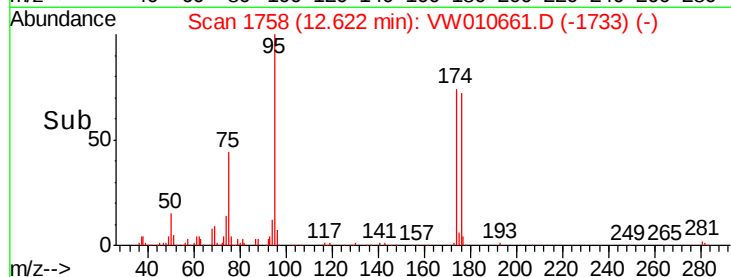
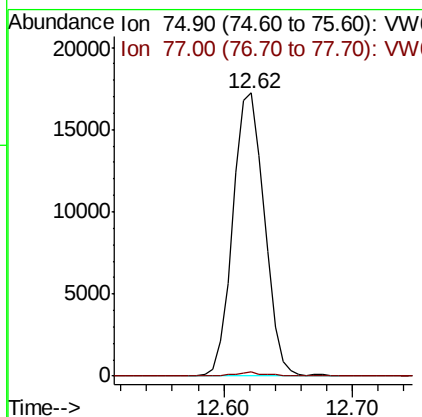
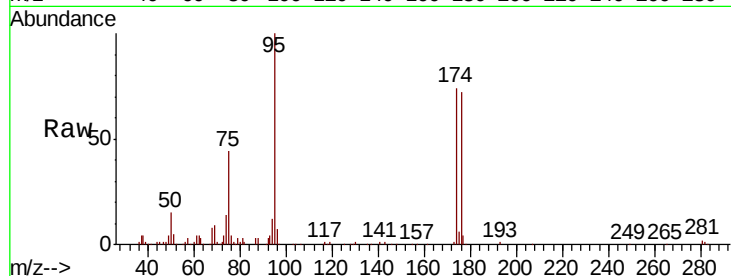
ClientSampleId :

Tot Ion: 75 Resp: 29394

Ion Ratio Lower Upper

75 100

77 1.2 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 104.491 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010661.D

Acq: 03 Jun 2019 16:00

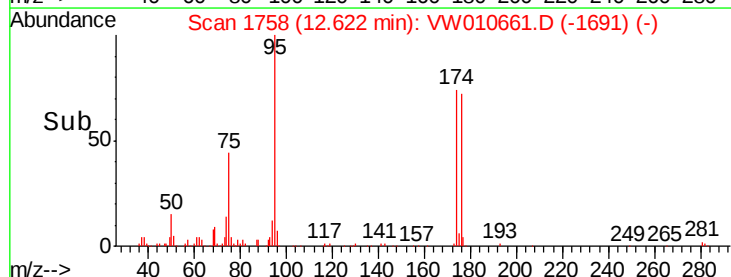
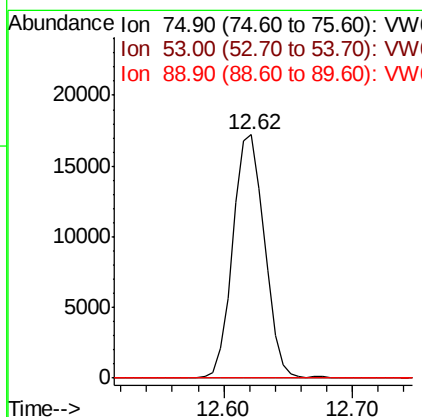
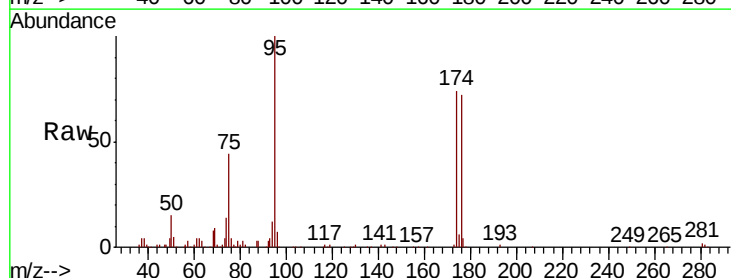
Tgt Ion: 75 Resp: 29394

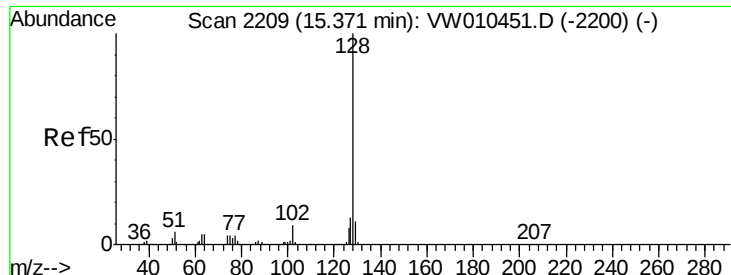
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

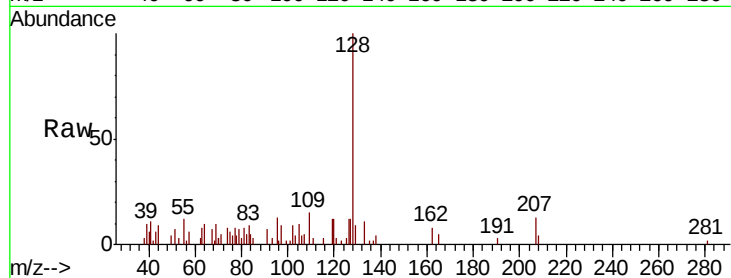




#95
Naphthalene
Concen: 1.938 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010661.D
Acq: 03 Jun 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	15.8
129	10.8	8.9	13.3



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

