

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010658.D
 Acq On : 03 Jun 2019 14:38
 Operator : SY/VA
 Sample : K3139-02RE
 Misc : 4.94G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 04 07:38:16 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	187851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	313401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129409	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	92785	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	7.88	113	92686	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
50) Toluene-d8	10.32	98	372437	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.62	95	141178	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	

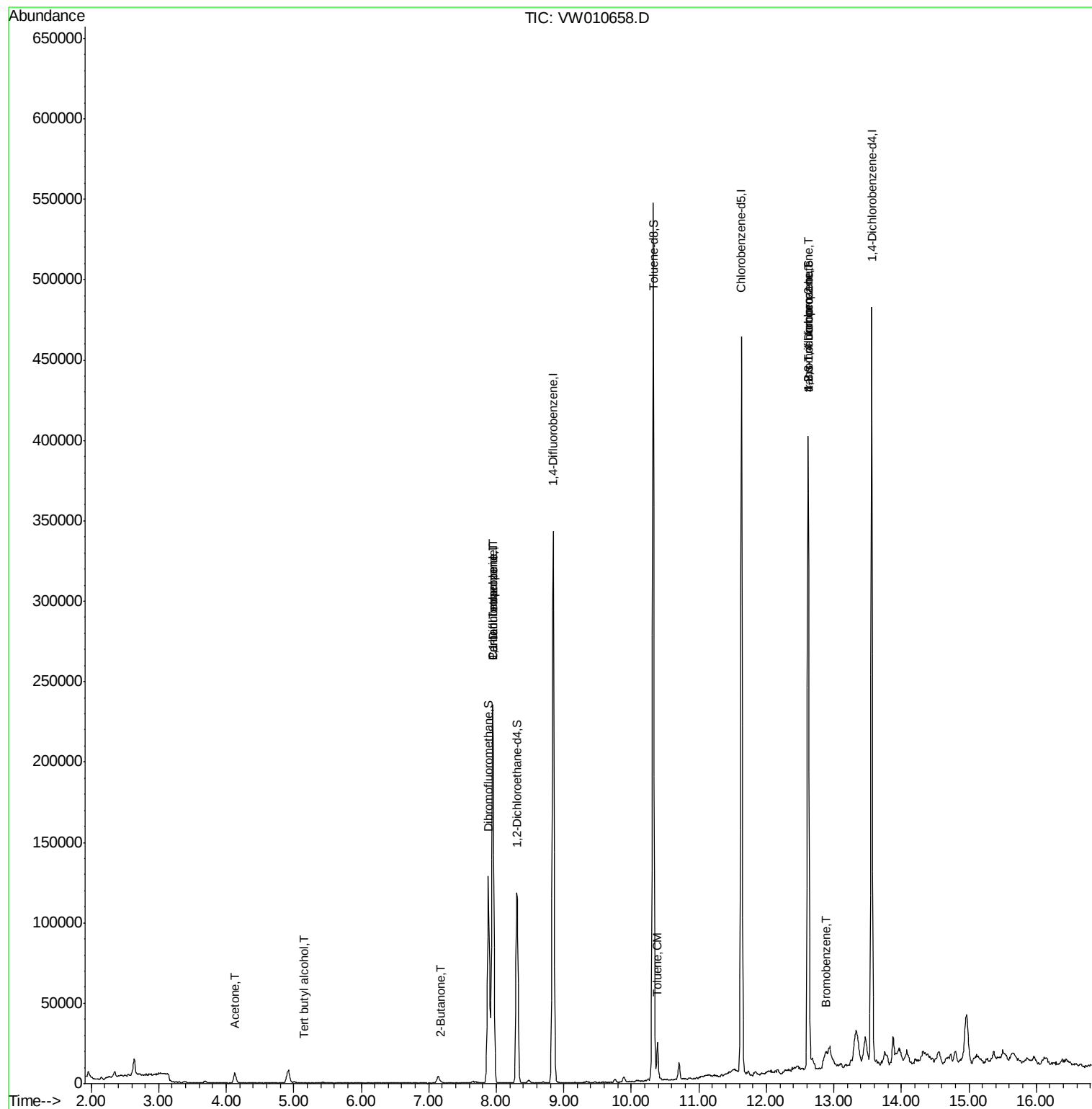
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	195	1.118	ug/l #	71
16) Acetone	4.12	43	10806	27.303	ug/l	99
20) Methylene Chloride	4.92	84	6883	Below Cal		92
25) 2-Butanone	7.18	43	887	1.566	ug/l #	85
36) 1,1-Dichloropropene	7.95	75	12647	4.332	ug/l #	49
38) Carbon Tetrachloride	7.95	117	17965	5.704	ug/l #	16
52) Toluene	10.39	92	10134	1.860	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	63517	48.354	ug/l #	1
77) Bromobenzene	12.88	156	8328	3.624	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	63517	100.916	ug/l #	14

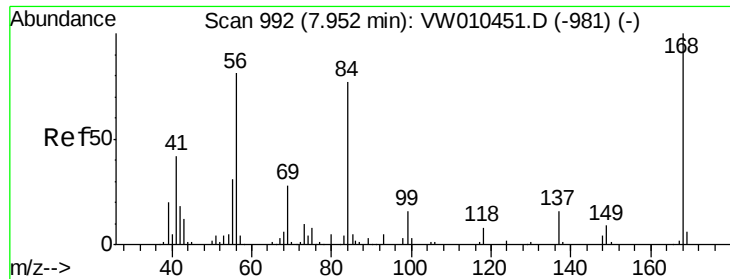
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010658.D

Acq: 03 Jun 2019 14:38

Instrument :

MSVOA_W

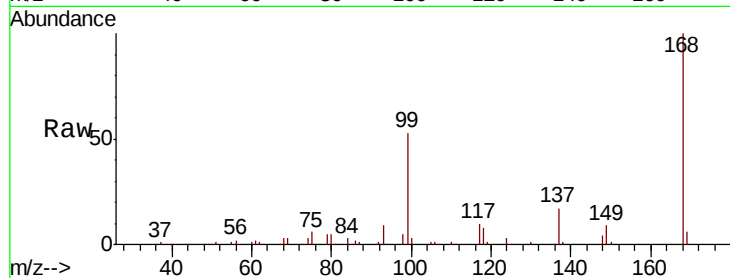
ClientSampleId :

Tot Ion:168 Resp: 187851

Ion Ratio Lower Upper

168 100

99 53.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

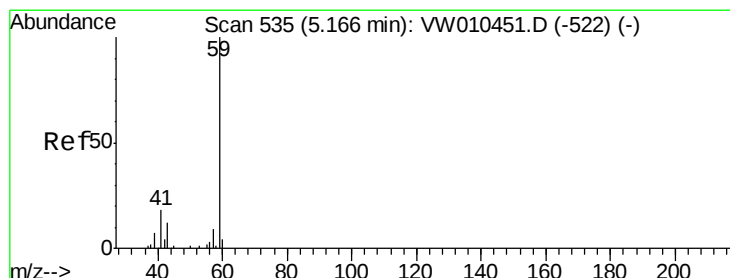
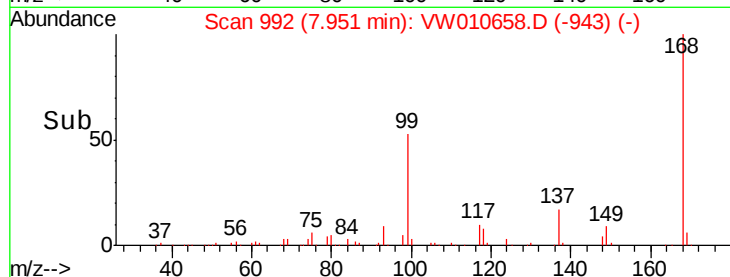
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.118 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW010658.D

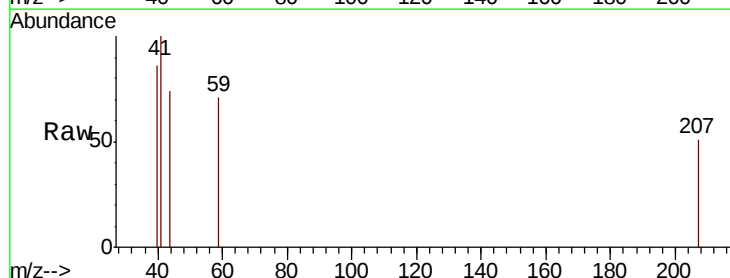
Acq: 03 Jun 2019 14:38

Tgt Ion: 59 Resp: 195

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

120

100

80

60

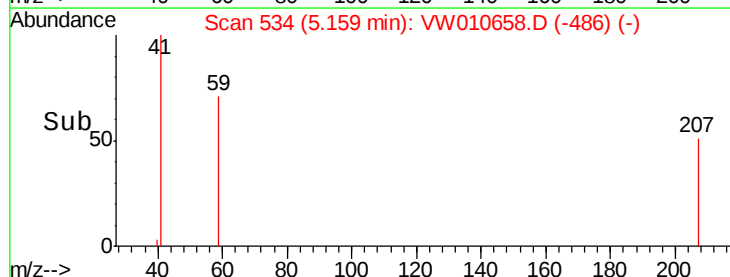
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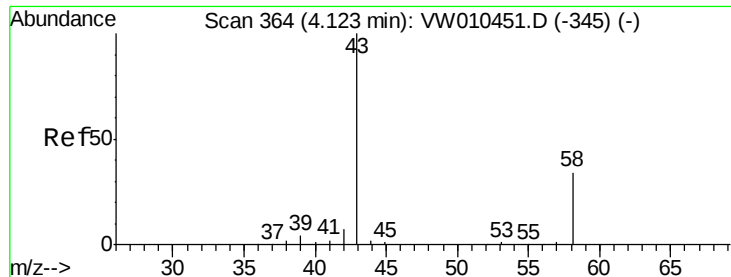
20

0

5.10 5.12 5.14 5.16 5.18

Time-->

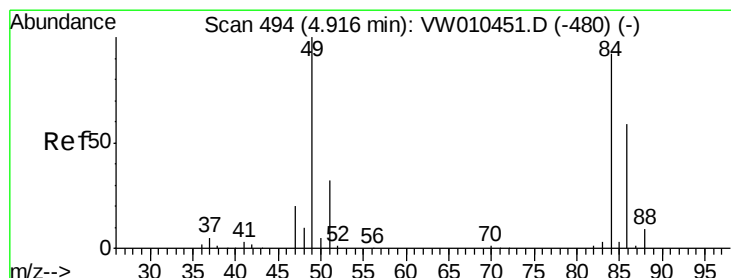
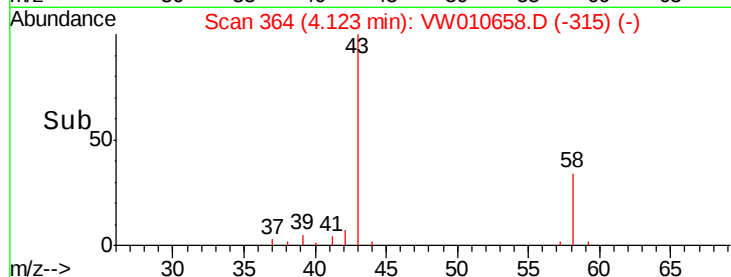
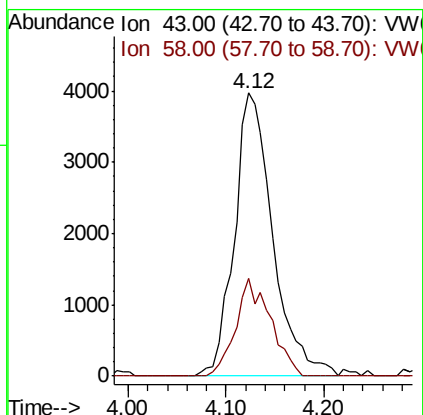
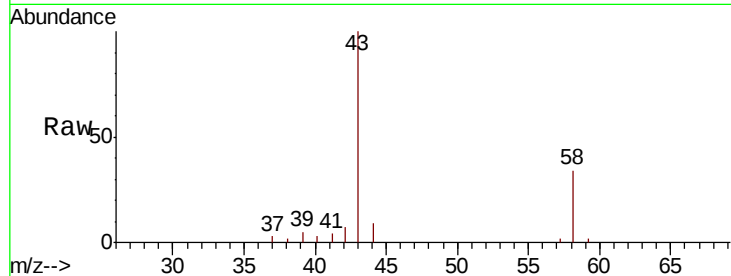




#16
Acetone
Concen: 27.303 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW010658.D
Acq: 03 Jun 2019 14:38

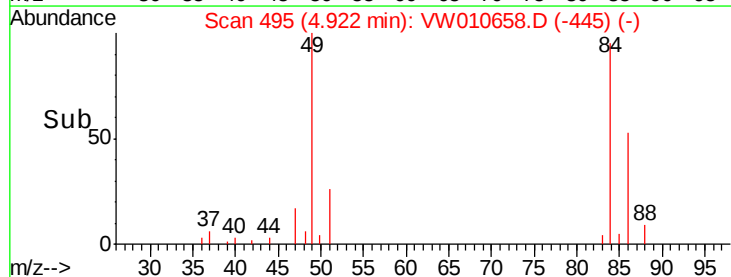
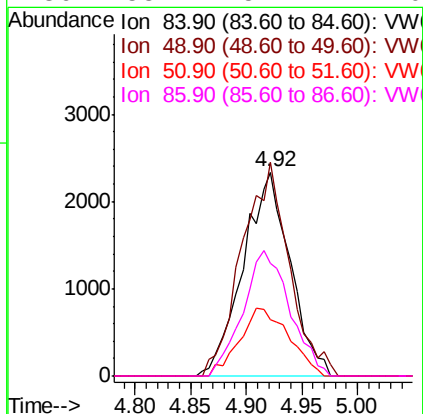
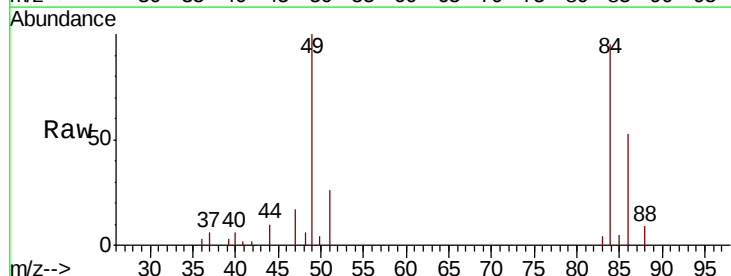
Instrument :
MSVOA_W
ClientSampled :

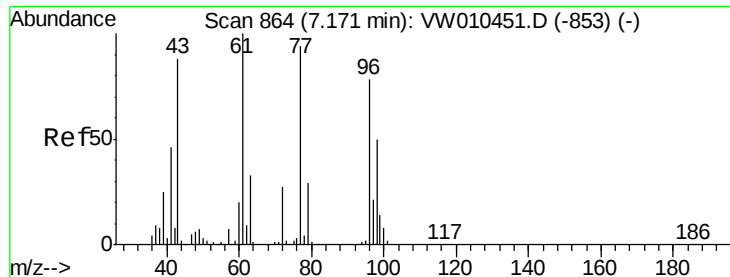
Tot Ion: 43 Resp: 10806
Ion Ratio Lower Upper
43 100
58 34.4 27.0 40.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010658.D
Acq: 03 Jun 2019 14:38

Tgt Ion: 84 Resp: 6883
Ion Ratio Lower Upper
84 100
49 104.7 87.2 130.8
51 27.7 27.7 41.5
86 55.4 51.4 77.0





#25

2-Butanone

Concen: 1.566 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010658.D

Acq: 03 Jun 2019 14:38

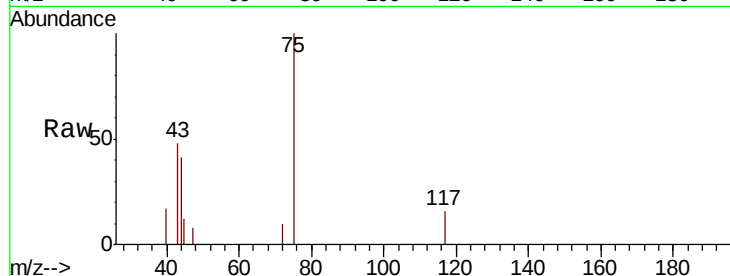
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 887

Ion Ratio Lower Upper

43 100

72 21.8 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

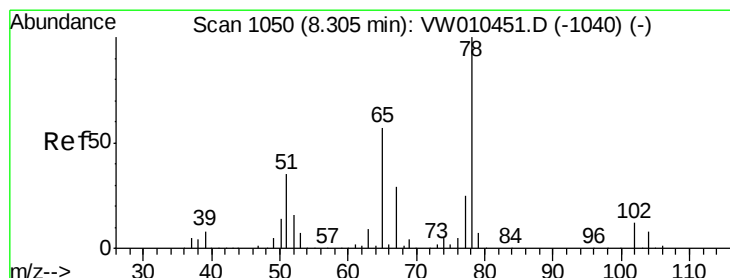
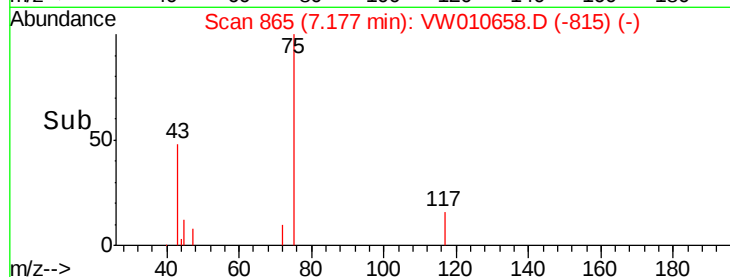
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.853 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010658.D

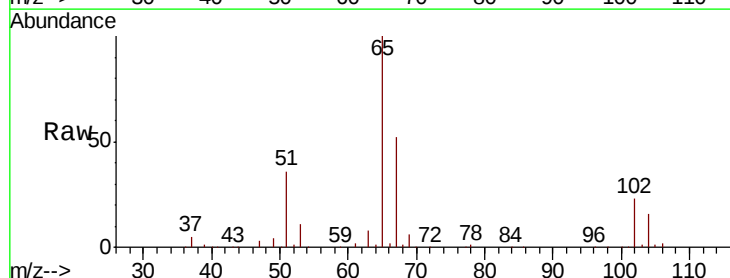
Acq: 03 Jun 2019 14:38

Tgt Ion: 65 Resp: 92785

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

50000

40000

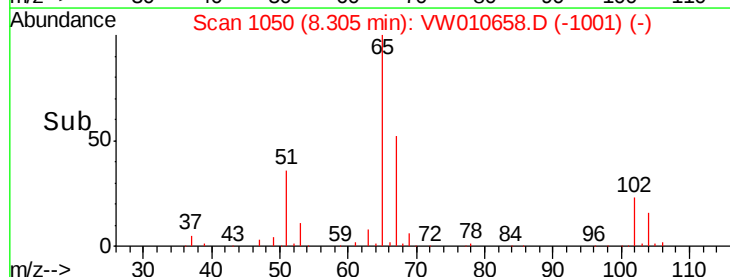
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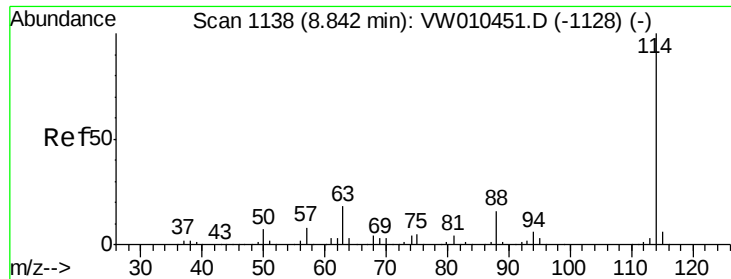
20000

10000

0

Time-->

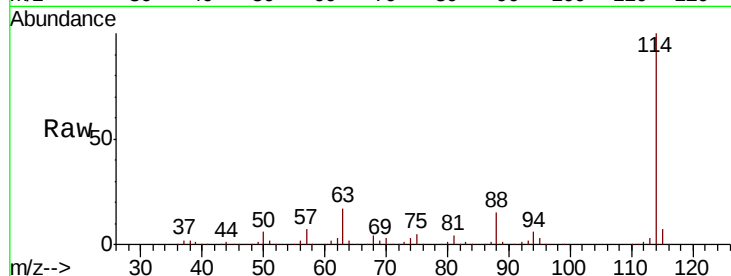




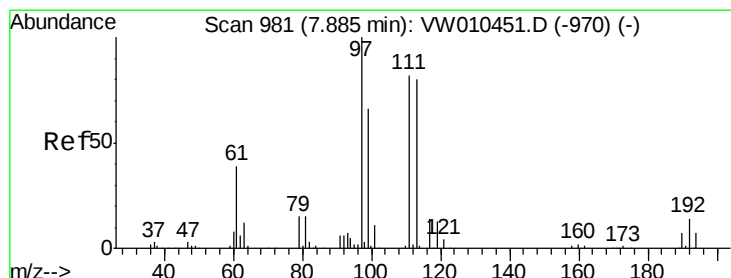
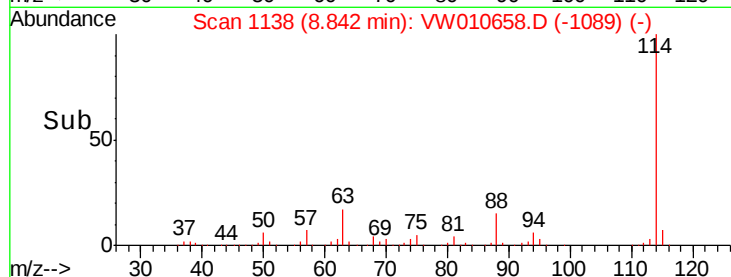
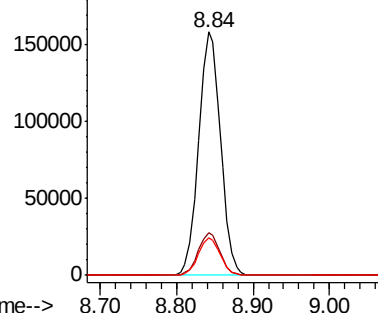
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010658.D
Acq: 03 Jun 2019 14:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 313401
Ion Ratio Lower Upper
114 100
63 17.3 0.0 36.0
88 15.3 0.0 32.0

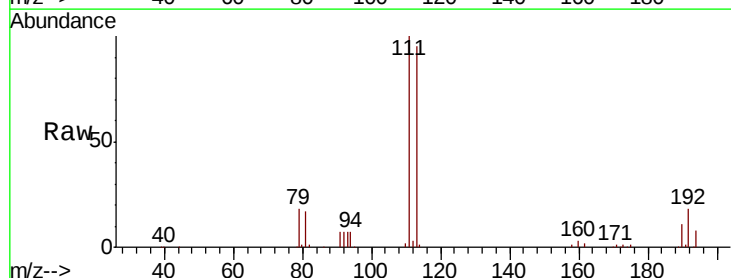


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

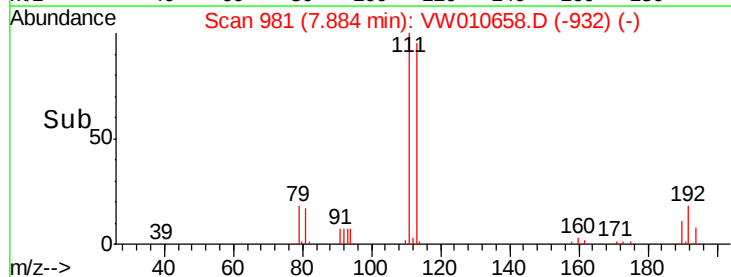
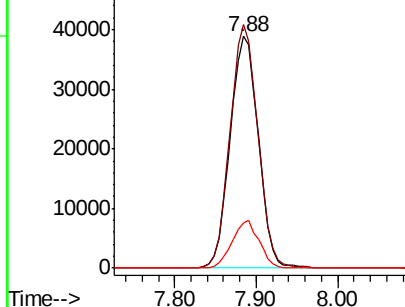


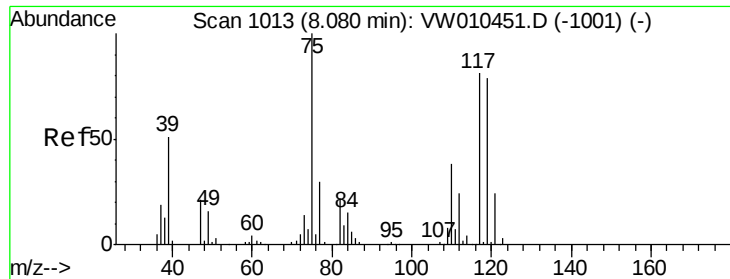
#35
Dibromofluoromethane
Concen: 48.740 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010658.D
Acq: 03 Jun 2019 14:38

Tgt Ion:113 Resp: 92686
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 19.5 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

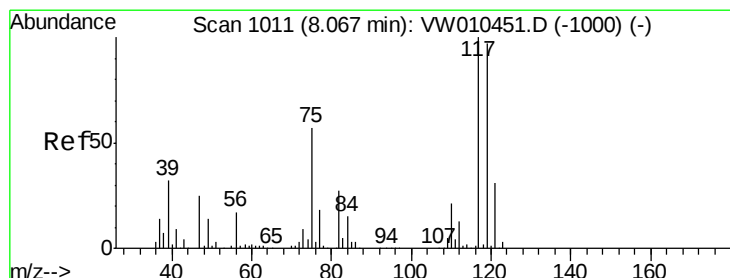
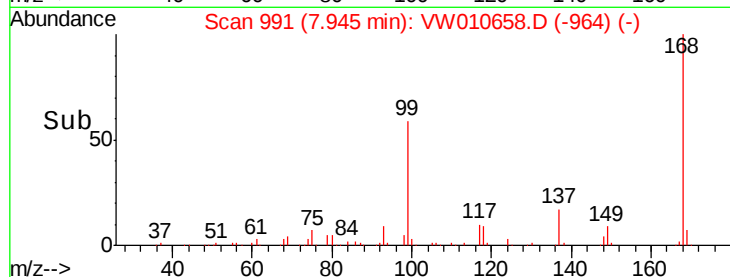
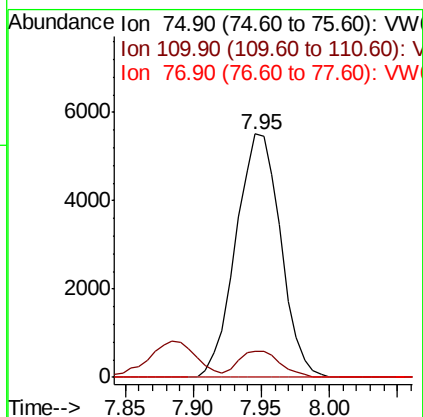
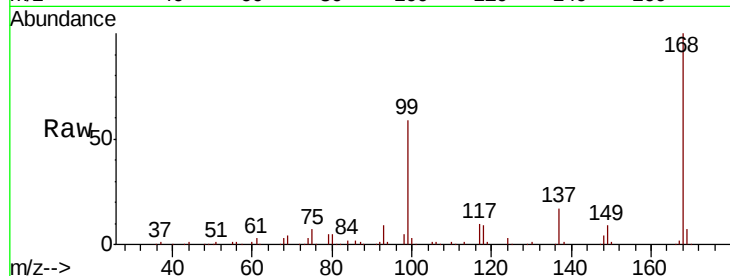




#36
 1,1-Dichloropropene
 Concen: 4.332 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010658.D
 Acq: 03 Jun 2019 14:38

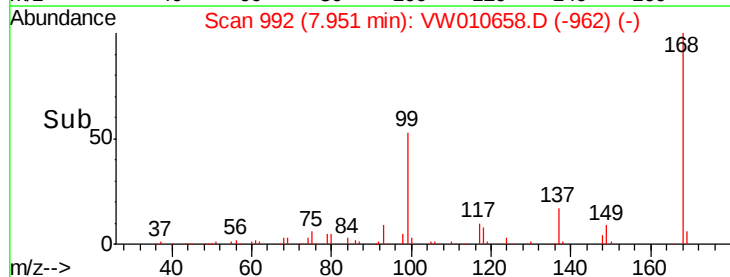
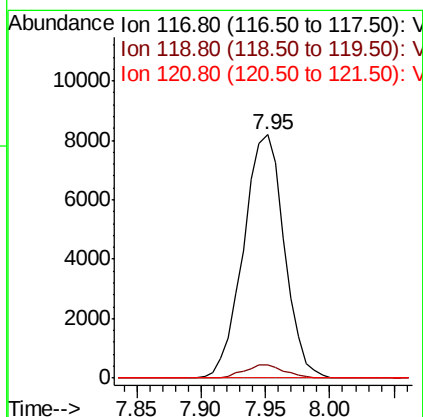
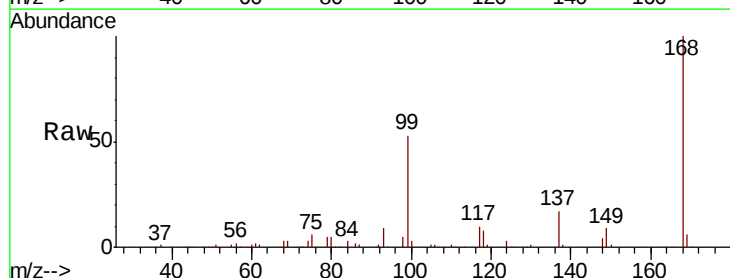
Instrument :
 MSVOA_W
 ClientSampleId :

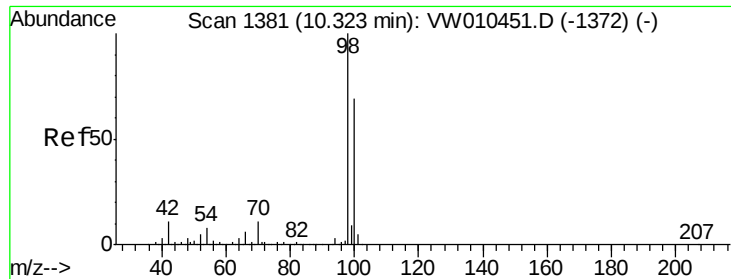
Tot Ion: 75 Resp: 12647
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.2 57.6#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.704 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010658.D
 Acq: 03 Jun 2019 14:38

Tgt Ion: 117 Resp: 17965
 Ion Ratio Lower Upper
 117 100
 119 5.6 77.4 116.0#
 121 0.0 25.0 37.6#

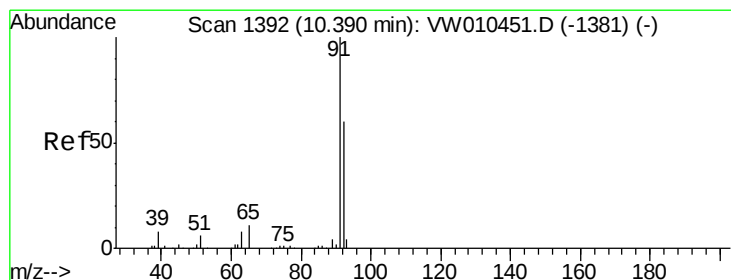
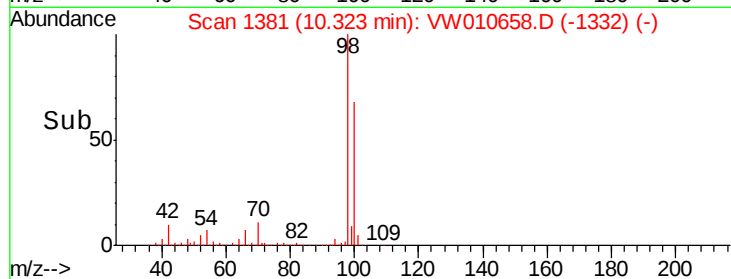
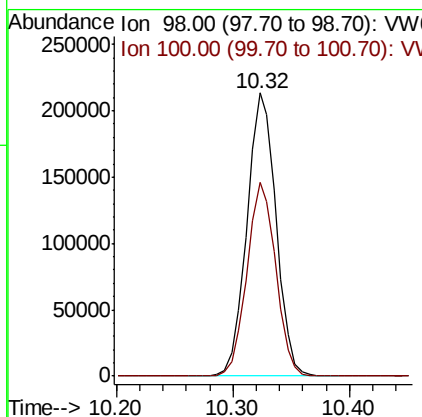
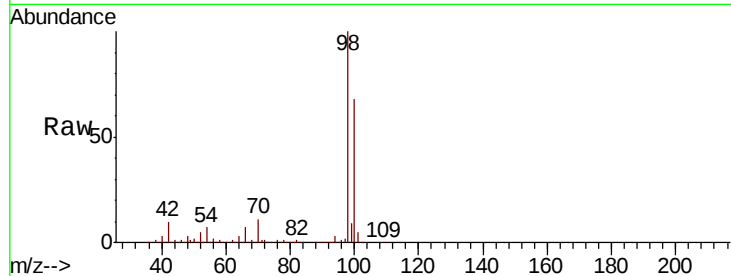




#50
Toluene-d8
Concen: 51.266 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010658.D
Acq: 03 Jun 2019 14:38

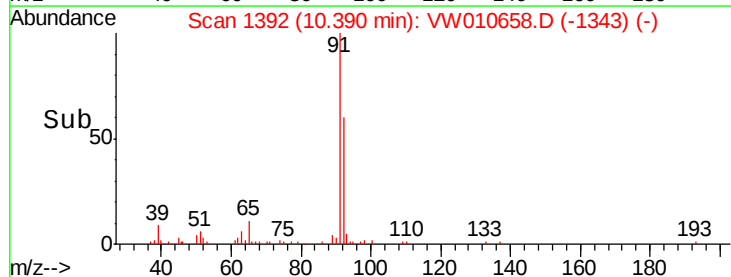
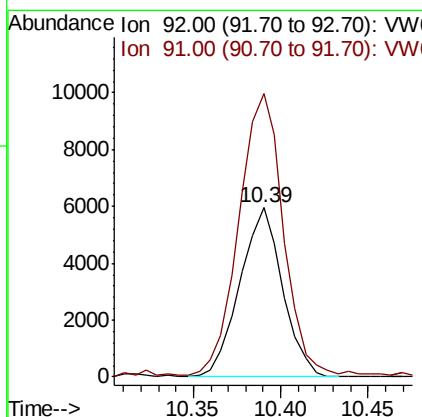
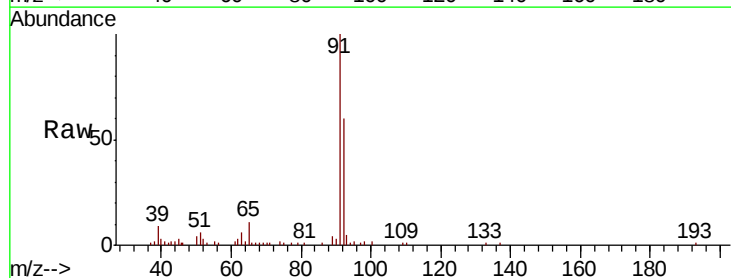
Instrument :
MSVOA_W
ClientSampleId :

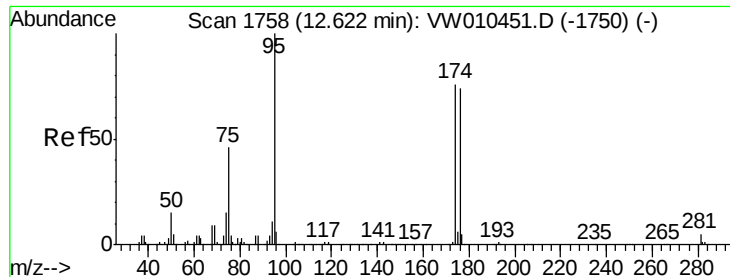
Tot Ion: 98 Resp: 372437
Ion Ratio Lower Upper
98 100
100 67.8 53.7 80.5



#52
Toluene
Concen: 1.860 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010658.D
Acq: 03 Jun 2019 14:38

Tgt Ion: 92 Resp: 10134
Ion Ratio Lower Upper
92 100
91 173.2 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 48.789 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010658.D

Acq: 03 Jun 2019 14:38

Instrument :

MSVOA_W

ClientSampled :

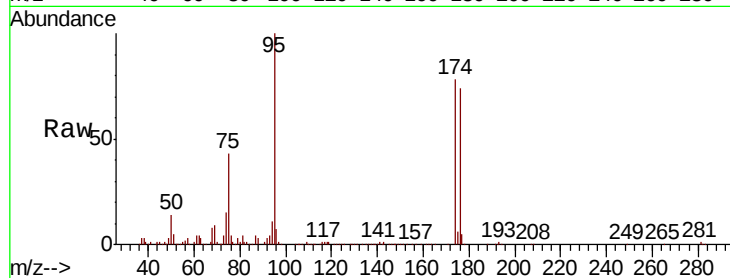
Tot Ion: 95 Resp: 141178

Ion Ratio Lower Upper

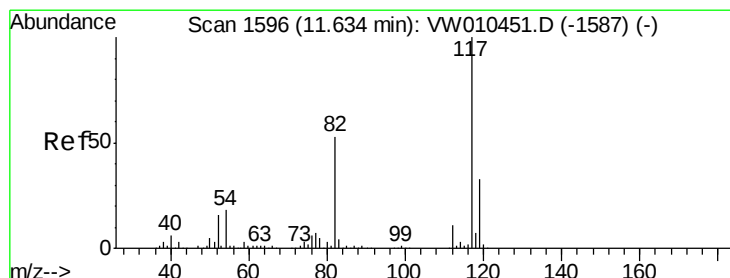
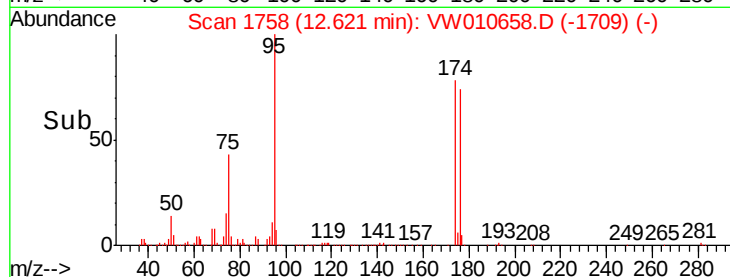
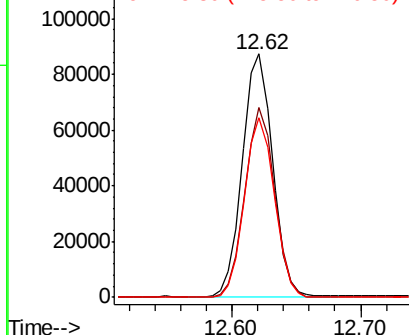
95 100

174 76.7 0.0 148.6

176 73.4 0.0 144.2



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: VW010658.D

Acq: 03 Jun 2019 14:38

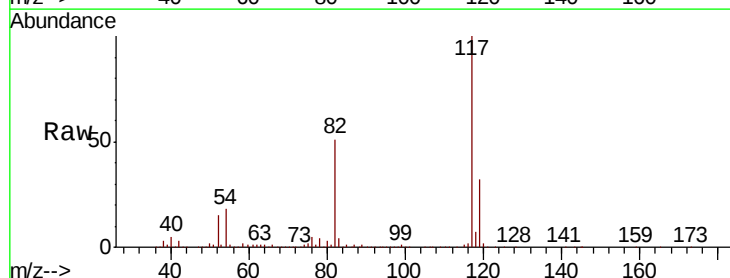
Tgt Ion: 117 Resp: 278405

Ion Ratio Lower Upper

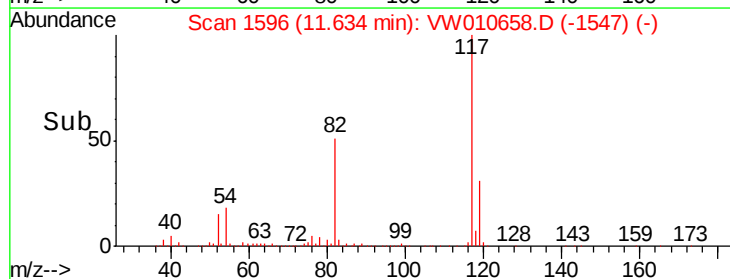
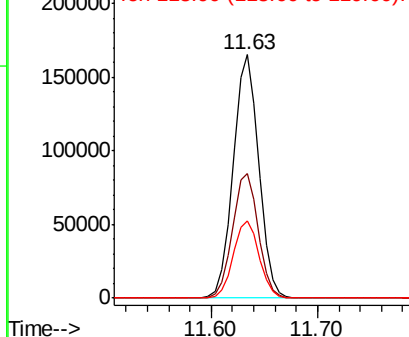
117 100

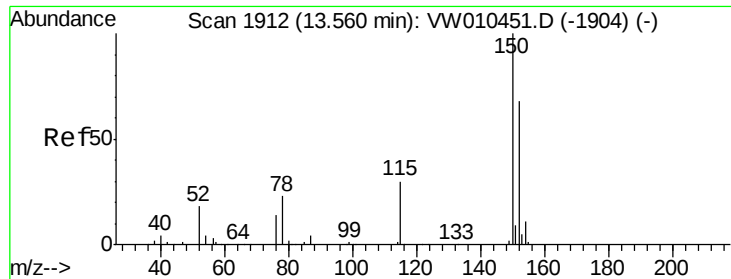
82 50.9 42.8 64.2

119 31.5 26.3 39.5



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: VW010658.D

Acq: 03 Jun 2019 14:38

Instrument :

MSVOA_W

ClientSampleId :

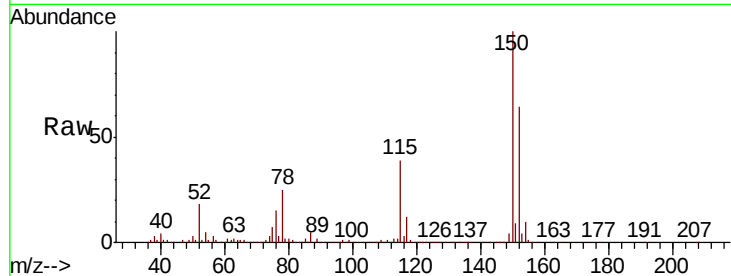
Tot Ion:152 Resp: 129409

Ion Ratio Lower Upper

152 100

115 59.8 30.3 91.0

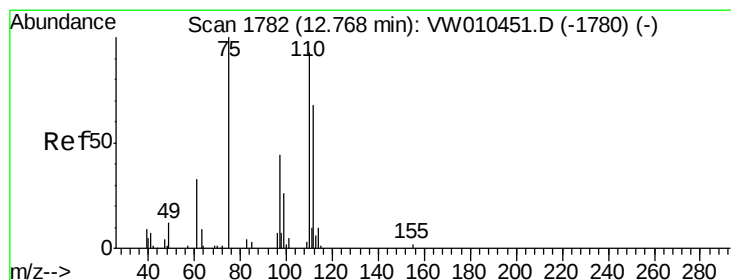
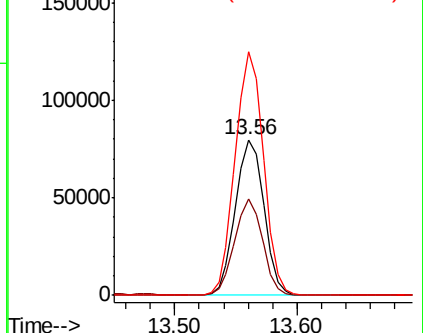
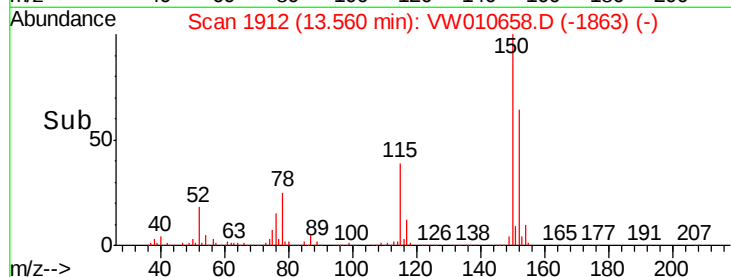
150 155.1 0.0 349.8



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: 48.354 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010658.D

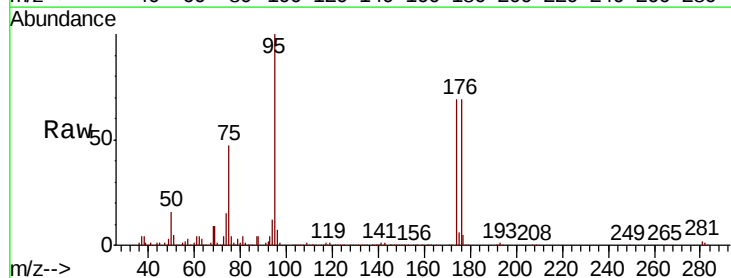
Acq: 03 Jun 2019 14:38

Tgt Ion: 75 Resp: 63517

Ion Ratio Lower Upper

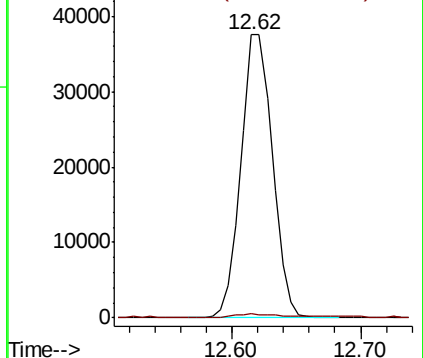
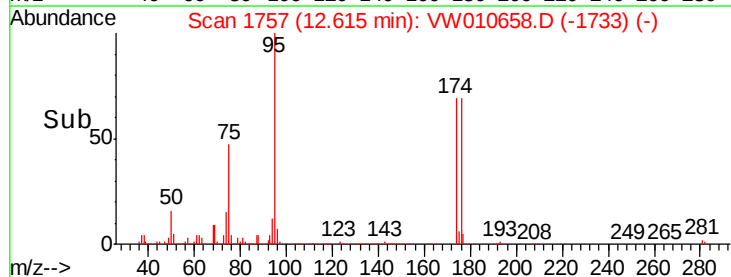
75 100

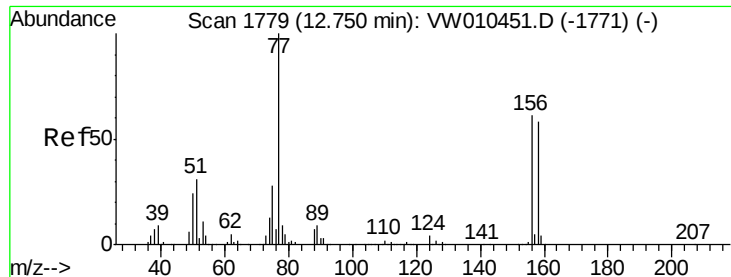
77 1.3 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 3.624 ug/l

RT: 12.88 min Scan# 1801

Delta R.T. 0.13 min

Lab File: VW010658.D

Acq: 03 Jun 2019 14:38

Instrument :

MSVOA_W

ClientSampleId :

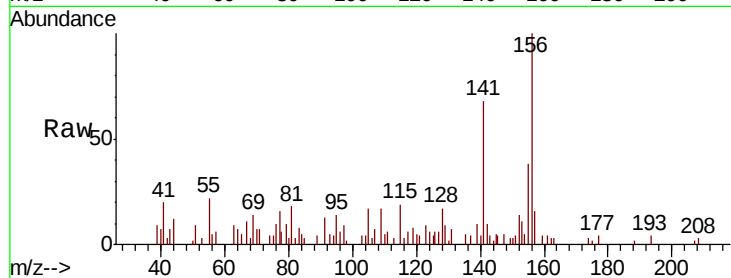
Tot Ion:156 Resp: 8328

Ion Ratio Lower Upper

156 100

77 10.7 92.4 277.2#

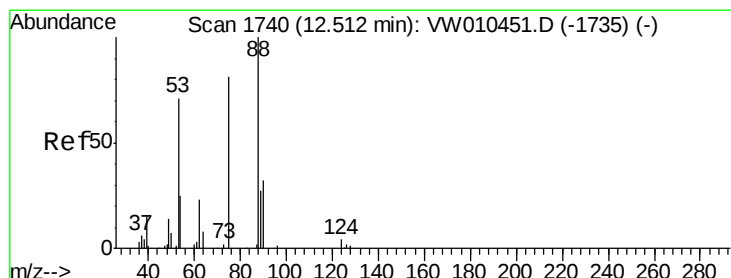
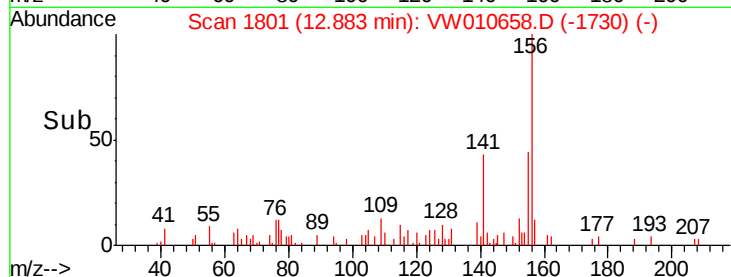
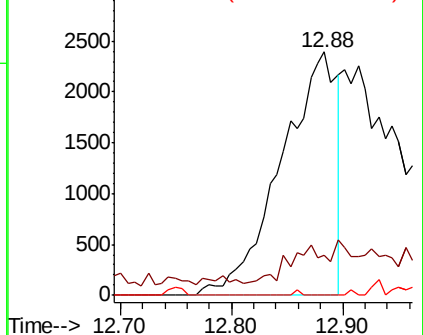
158 0.0 48.3 144.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 100.916 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010658.D

Acq: 03 Jun 2019 14:38

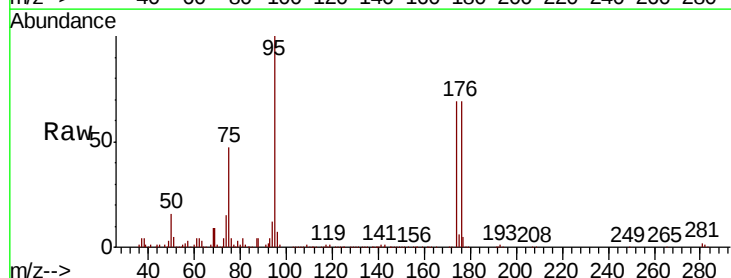
Tgt Ion: 75 Resp: 63517

Ion Ratio Lower Upper

75 100

53 0.2 69.8 104.8#

89 0.0 39.5 59.3#



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

