

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010352.D
 Acq On : 10 May 2019 13:10
 Operator : SY/VA
 Sample : VW0510SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBL01

Quant Time: May 10 23:16:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

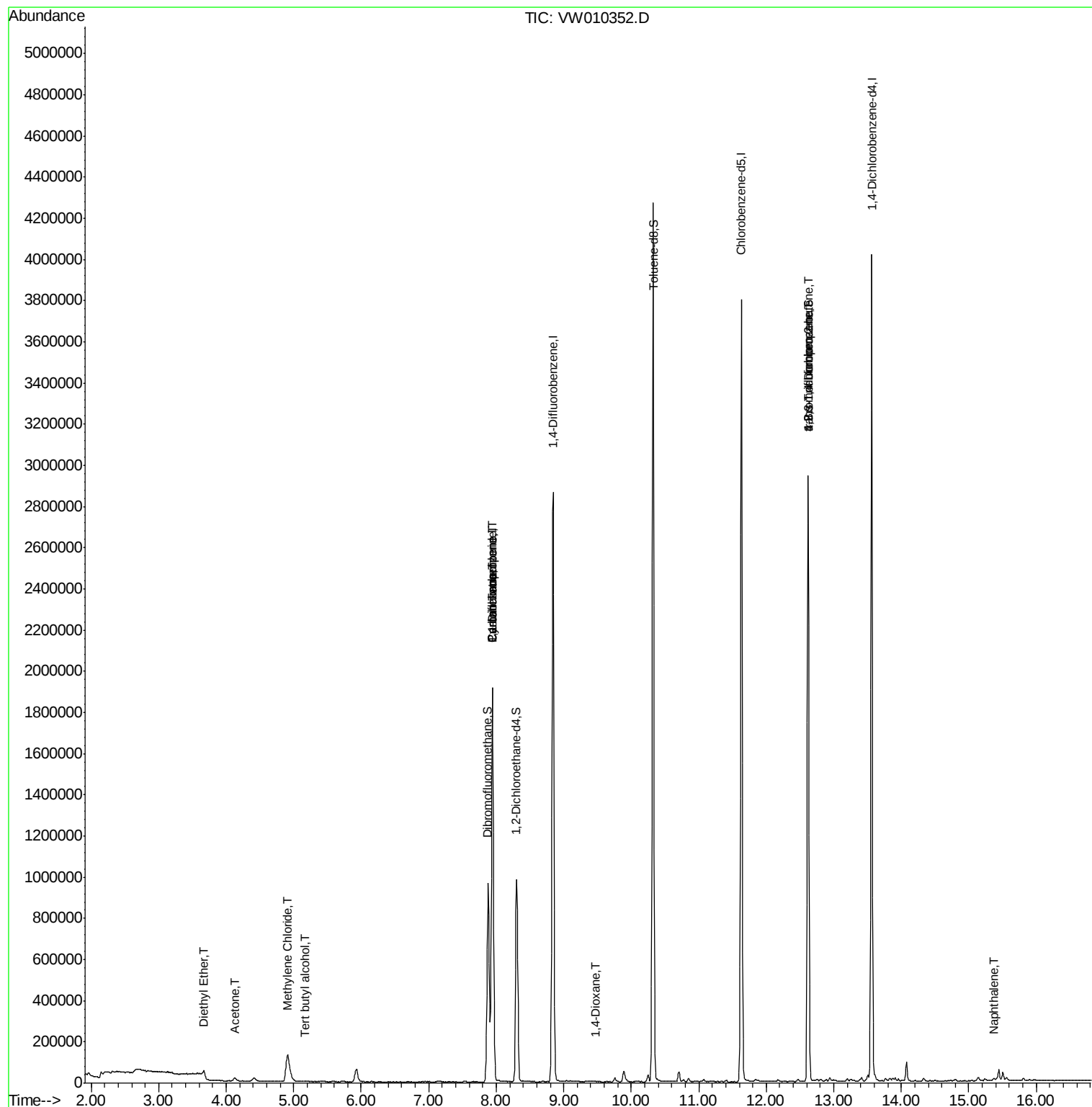
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1379950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2336070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2085445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	980648	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	790580	53.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.78%	
35) Dibromofluoromethane	7.88	113	701630	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
50) Toluene-d8	10.32	98	2754786	49.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.62	95	936198	47.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.56%	
Target Compounds						
8) Diethyl Ether	3.68	74	18015	2.332	ug/l	100
11) Tert butyl alcohol	5.17	59	2324	2.243	ug/l #	86
16) Acetone	4.12	43	32343	8.457	ug/l	98
20) Methylene Chloride	4.92	84	124150	7.783	ug/l	95
31) Cyclohexane	7.95	56	31995	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	115634	4.565	ug/l #	50
38) Carbon Tetrachloride	7.95	117	137317	6.324	ug/l #	18
49) 1,4-Dioxane	9.46	88	172	1.107	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	476420	41.669	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	476420	94.101	ug/l #	5
95) Naphthalene	15.38	128	9370	3.790	ug/l #	87

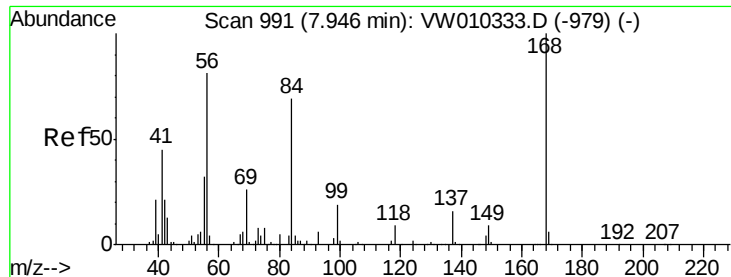
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
Data File : VW010352.D
Acq On : 10 May 2019 13:10
Operator : SY/VA
Sample : VW0510SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBL01

Quant Time: May 10 23:16:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
Quant Title : SW846 8260
QLast Update : Fri May 10 03:41:21 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: VW010352.D

Acq: 10 May 2019 13:10

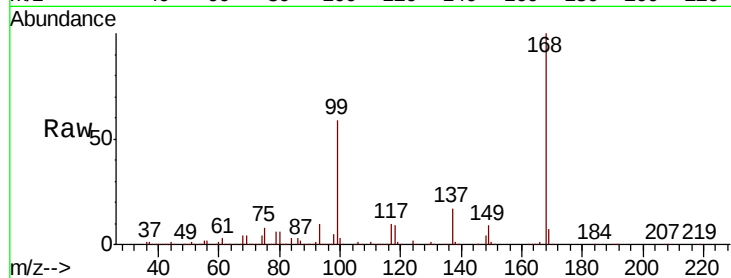
Instrument :
MSVOA_W
ClientSampleId :
VW0510SBL01

Tgt Ion:168 Resp: 1379950

Ion Ratio Lower Upper

168 100

99 58.9 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

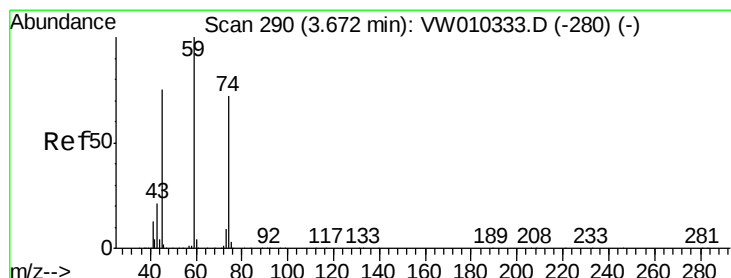
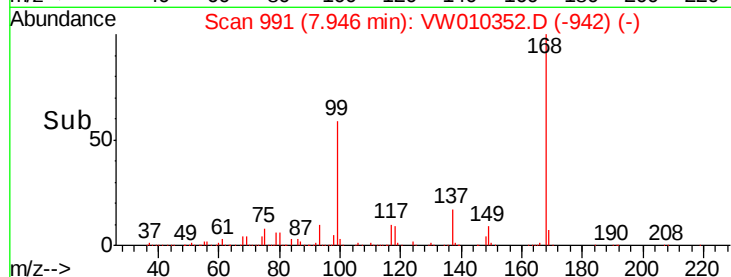
600000

400000

200000

0

Time-->



#8

Diethyl Ether

Concen: 2.332 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW010352.D

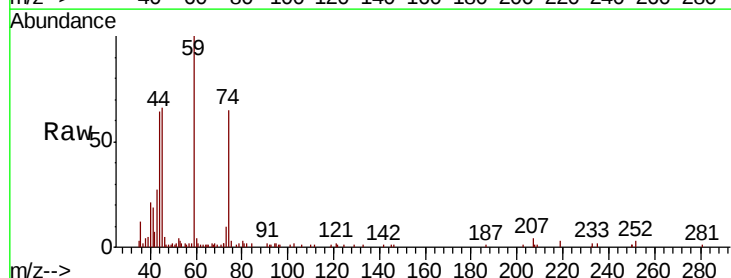
Acq: 10 May 2019 13:10

Tgt Ion: 74 Resp: 18015

Ion Ratio Lower Upper

74 100

45 111.6 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

10000

8000

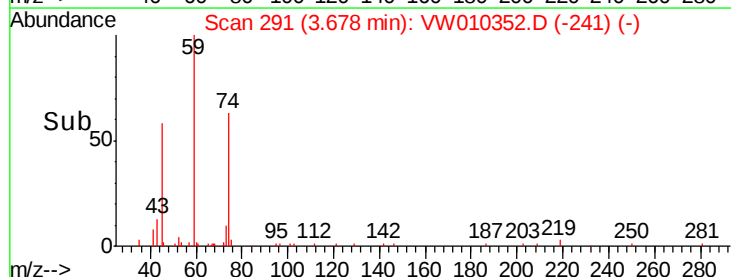
6000

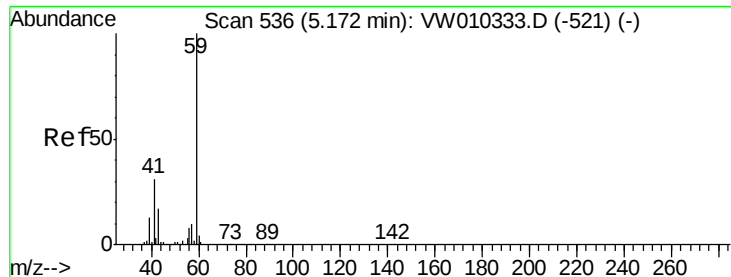
4000

2000

0

Time-->

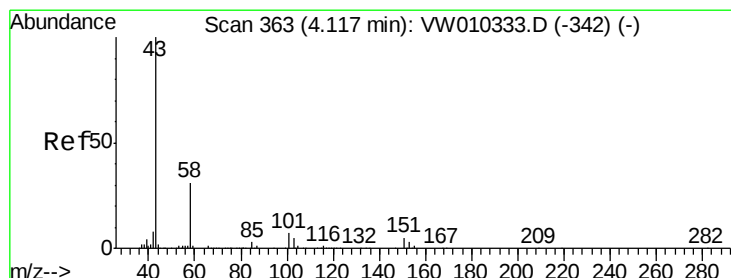
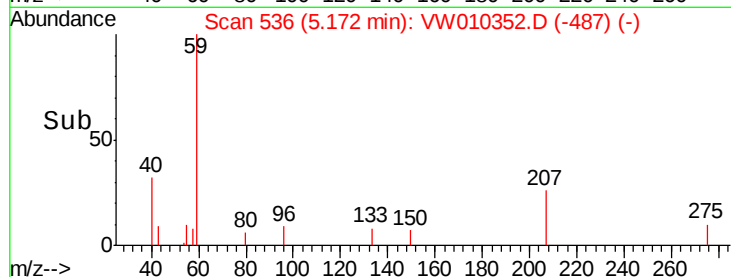
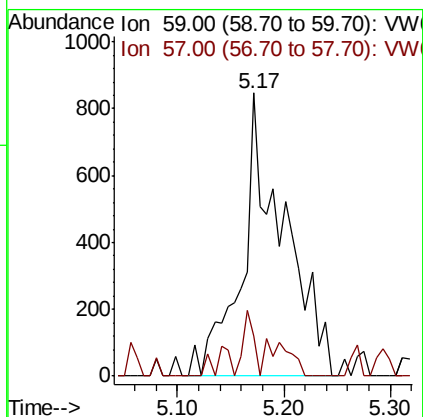
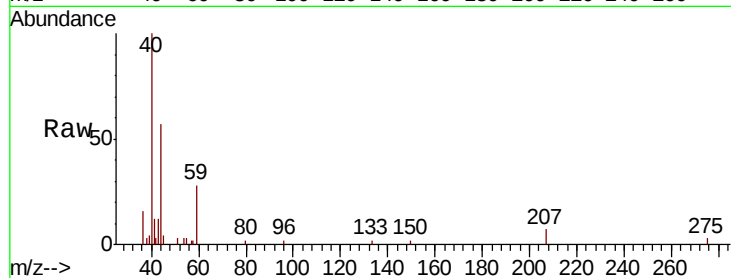




#11
Tert butyl alcohol
Concen: 2.243 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW010352.D
Acq: 10 May 2019 13:10

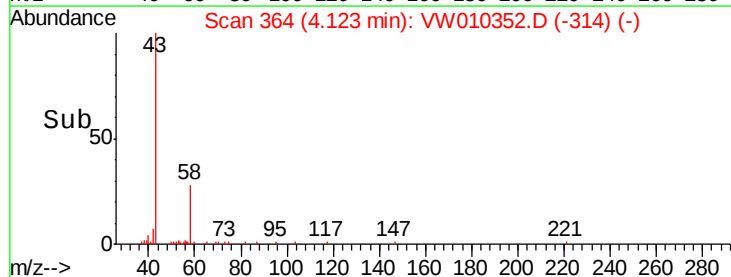
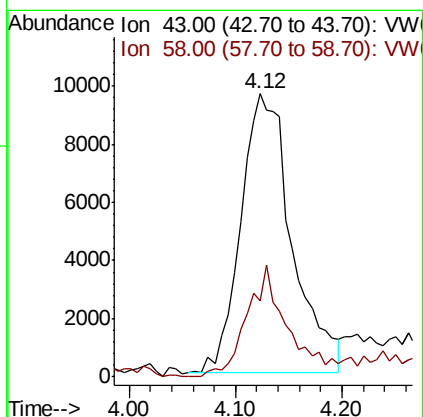
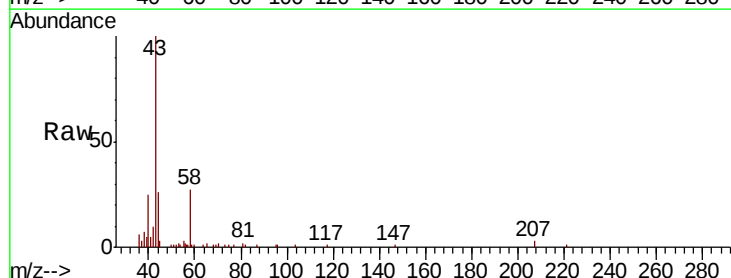
Instrument :
MSVOA_W
ClientSampleId :
VW0510SBL01

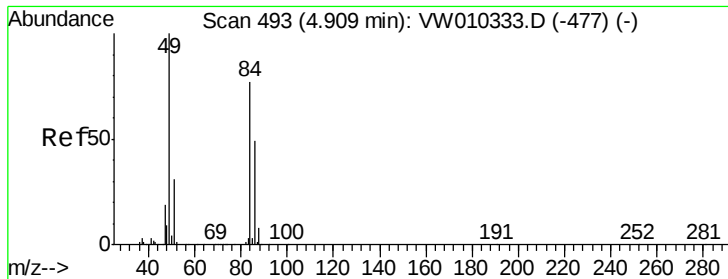
Tgt Ion: 59 Resp: 2324
Ion Ratio Lower Upper
59 100
57 6.0 9.0 13.4#



#16
Acetone
Concen: 8.457 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW010352.D
Acq: 10 May 2019 13:10

Tgt Ion: 43 Resp: 32343
Ion Ratio Lower Upper
43 100
58 27.1 22.7 34.1

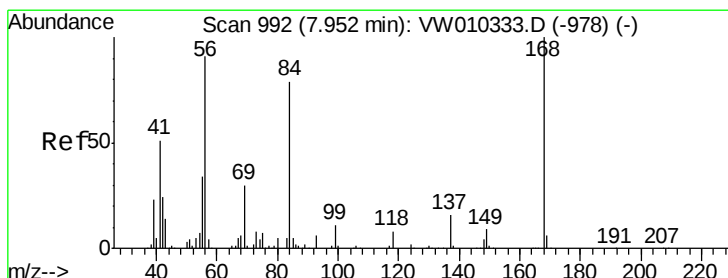
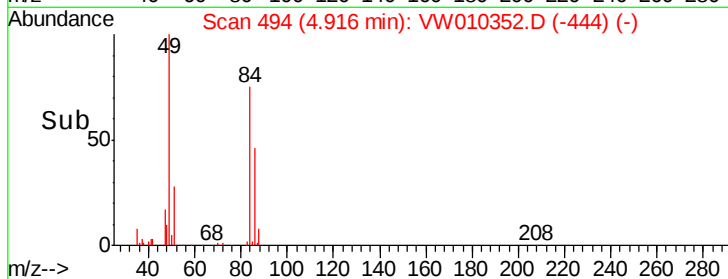
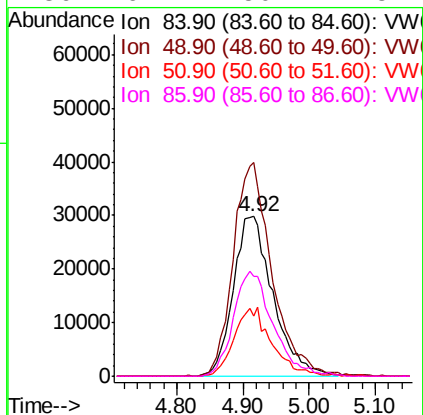
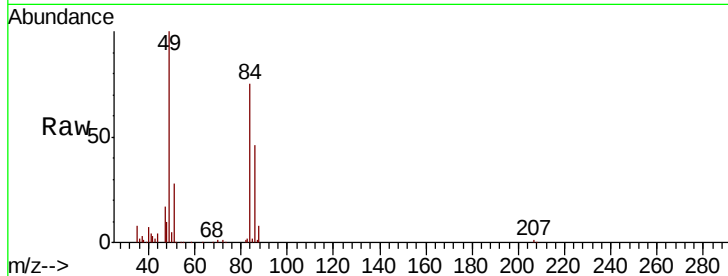




#20
Methylene Chloride
Concen: 7.783 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010352.D
Acq: 10 May 2019 13:10

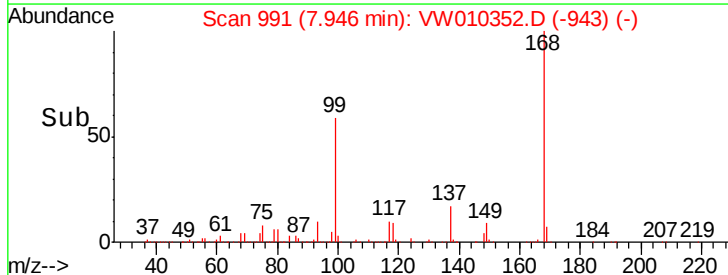
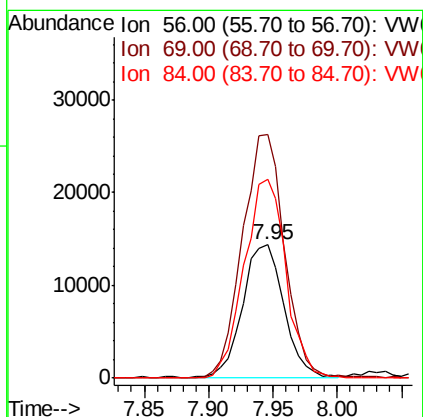
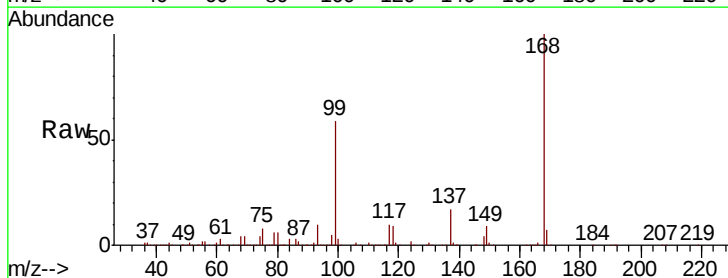
Instrument :
MSVOA_W
ClientSampleId :
VW0510SBL01

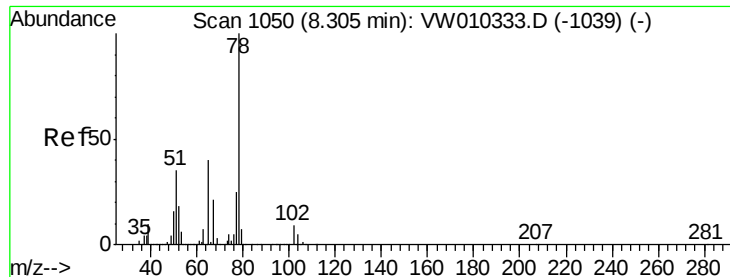
Tgt Ion:	84	Resp:	124150
Ion	Ratio	Lower	Upper
84	100		
49	133.2	112.3	168.5
51	37.6	33.9	50.9
86	62.2	50.2	75.4



#31
Cyclohexane
Concen: 1.065 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010352.D
Acq: 10 May 2019 13:10

Tgt Ion:	56	Resp:	31995
Ion	Ratio	Lower	Upper
56	100		
69	183.2	26.6	40.0#
84	150.0	66.2	99.2#

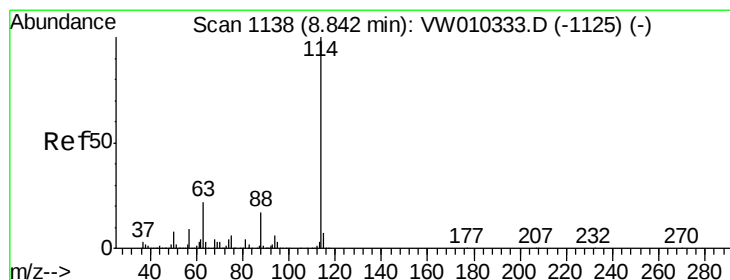
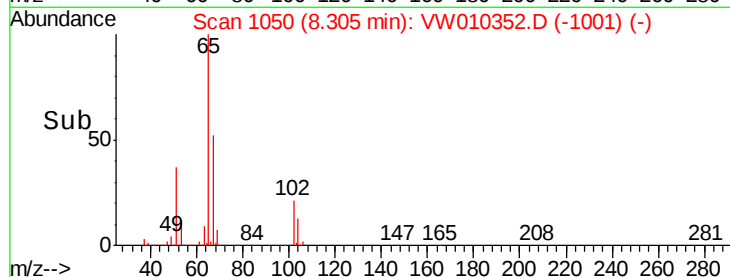
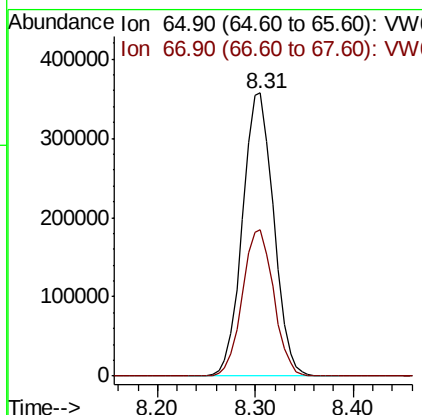
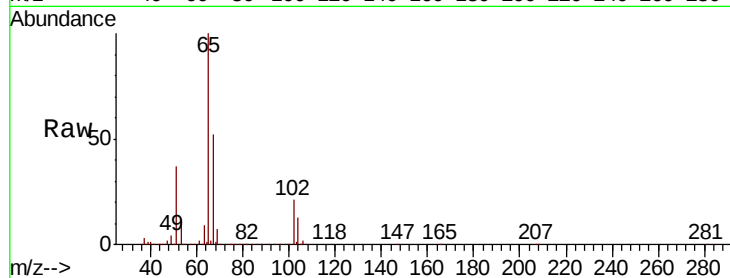




#33
 1,2-Dichloroethane-d4
 Concen: 53.888 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010352.D
 Acq: 10 May 2019 13:10

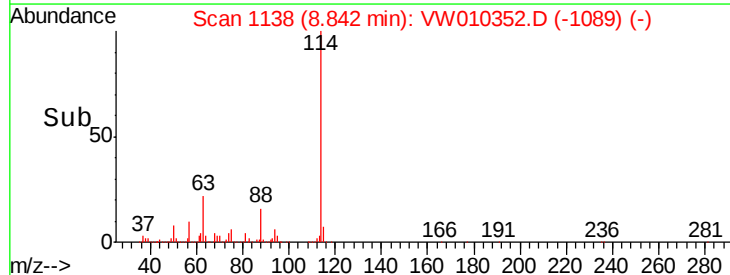
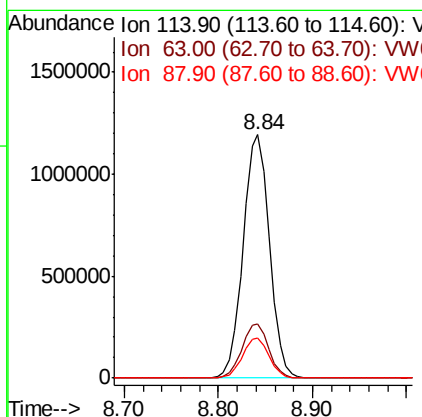
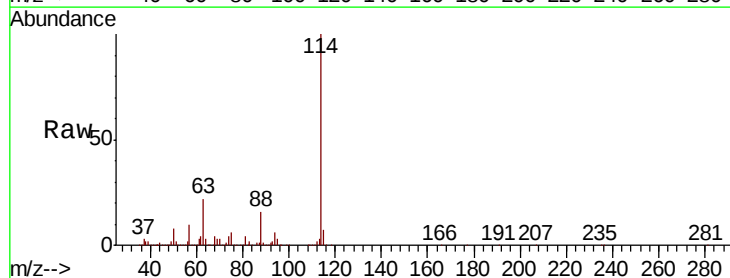
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBL01

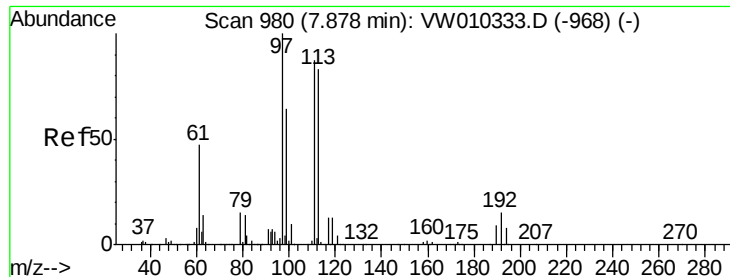
Tgt Ion: 65 Resp: 790580
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010352.D
 Acq: 10 May 2019 13:10

Tgt Ion: 114 Resp: 2336070
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 46.2
 88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.325 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW010352.D

Acq: 10 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBL01

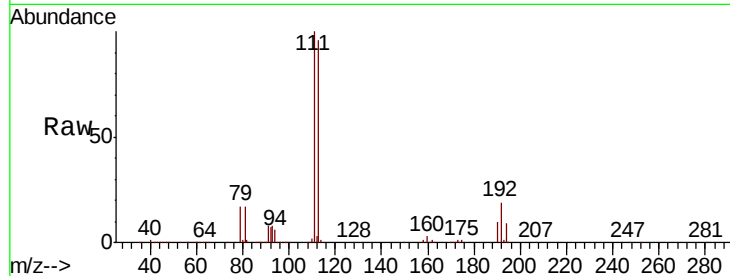
Tgt Ion:113 Resp: 701630

Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

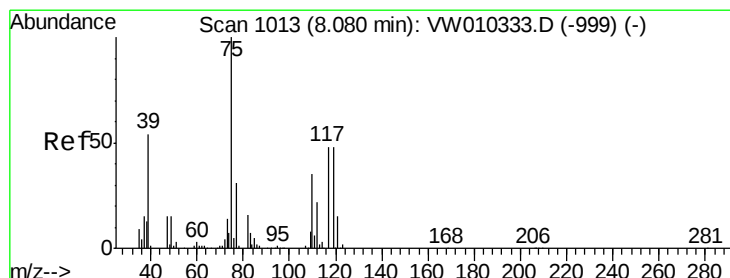
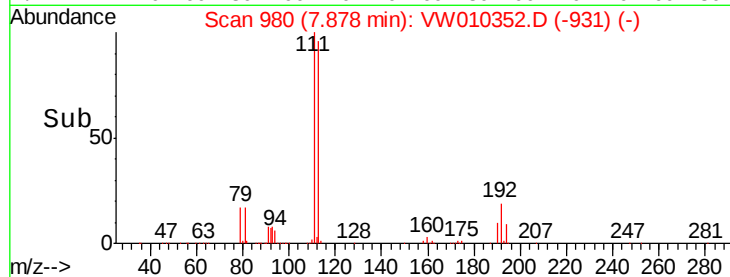
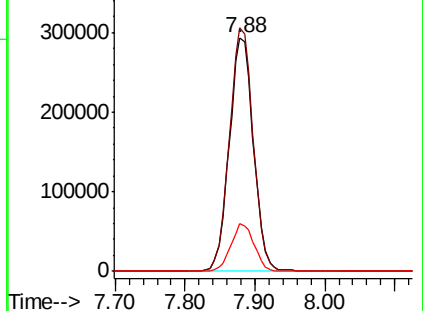
192 19.6 15.4 23.2



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: 4.565 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010352.D

Acq: 10 May 2019 13:10

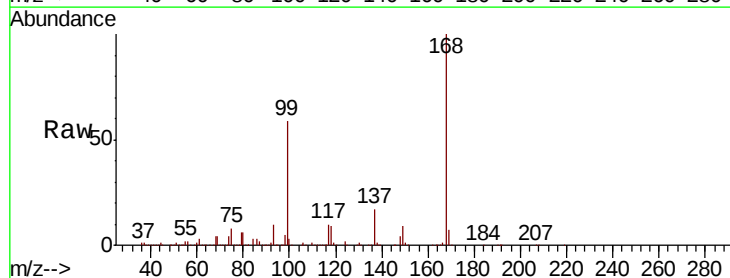
Tgt Ion: 75 Resp: 115634

Ion Ratio Lower Upper

75 100

110 7.5 16.6 49.8#

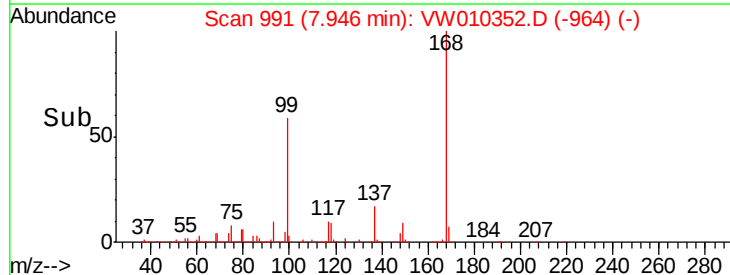
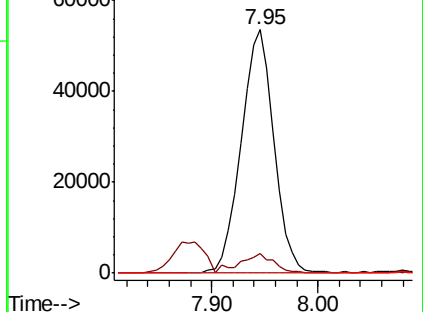
77 0.2 24.8 37.2#

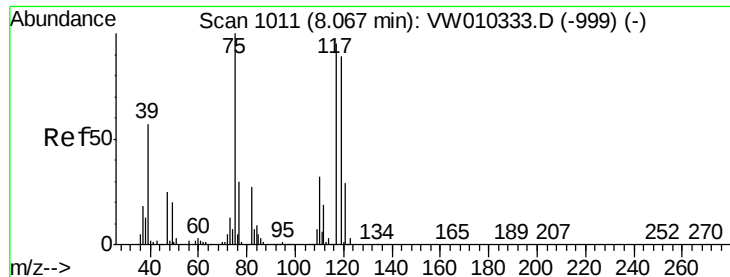


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.324 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010352.D

Acq: 10 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBL01

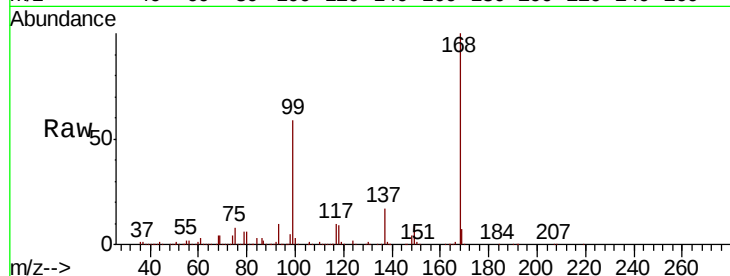
Tgt Ion:117 Resp: 137317

Ion Ratio Lower Upper

117 100

119 6.1 75.3 112.9#

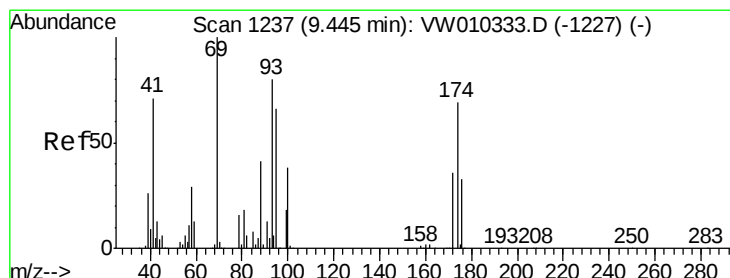
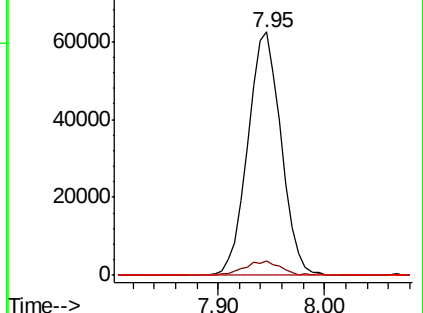
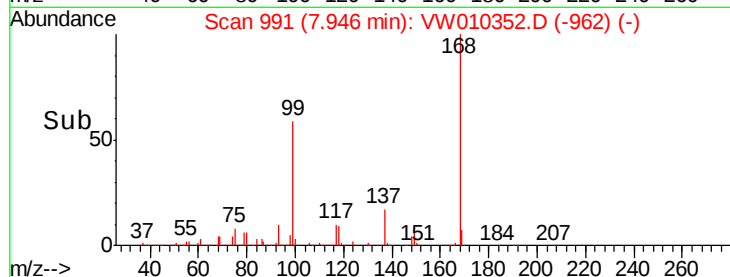
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 1.107 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW010352.D

Acq: 10 May 2019 13:10

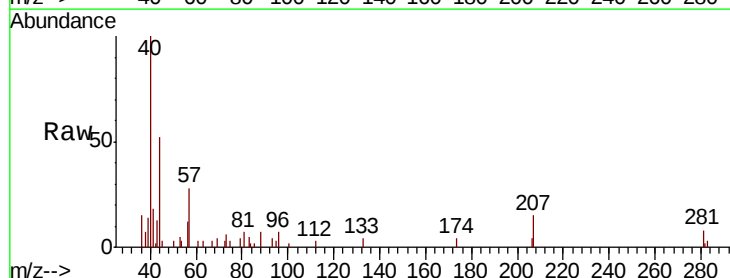
Tgt Ion: 88 Resp: 172

Ion Ratio Lower Upper

88 100

43 408.7 31.9 47.9#

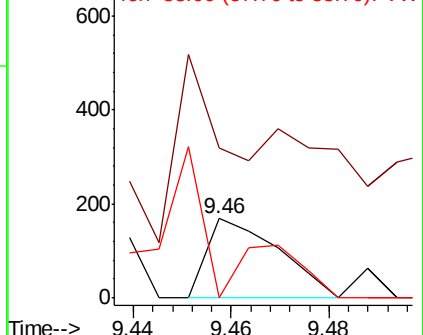
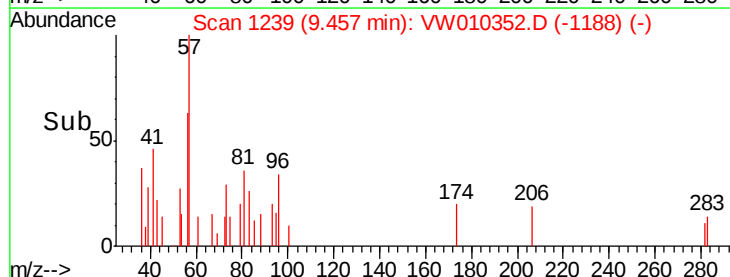
58 62.8 61.8 92.6

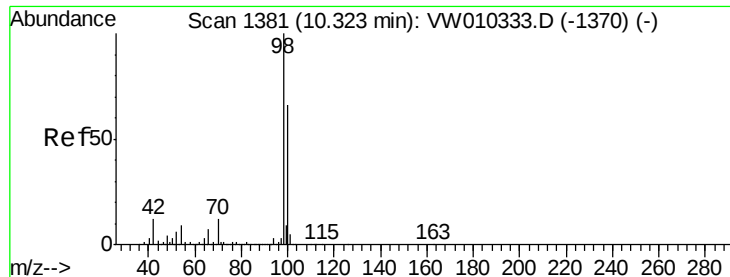


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.488 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010352.D

Acq: 10 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

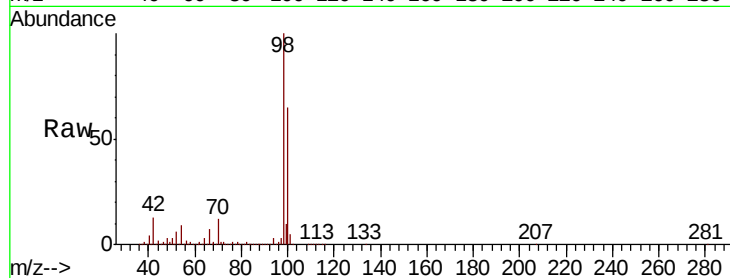
VW0510SBL01

Tgt Ion: 98 Resp: 2754786

Ion Ratio Lower Upper

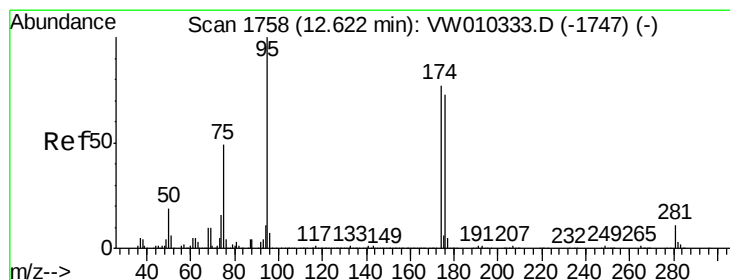
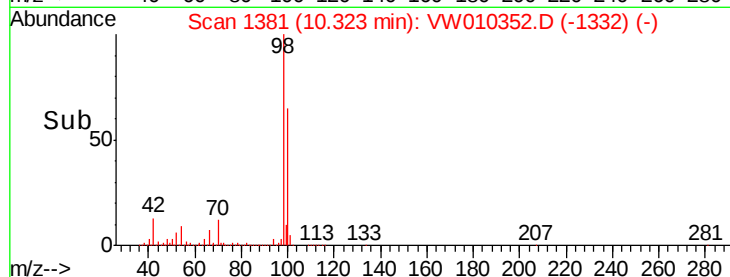
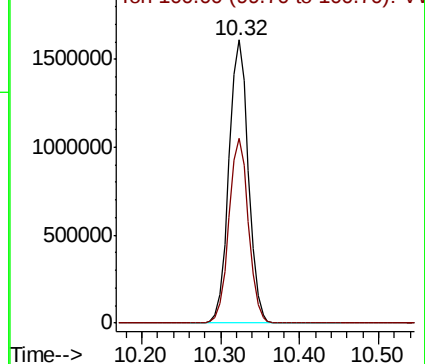
98 100

100 65.3 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 47.778 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010352.D

Acq: 10 May 2019 13:10

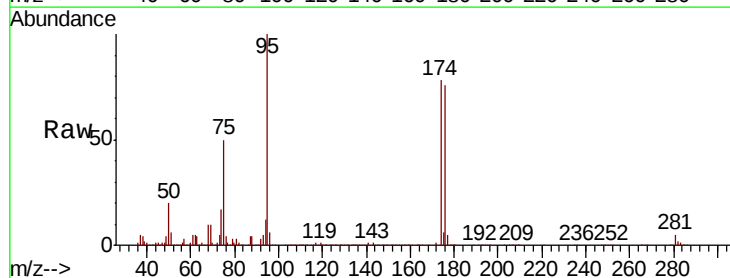
Tgt Ion: 95 Resp: 936198

Ion Ratio Lower Upper

95 100

174 76.4 0.0 151.4

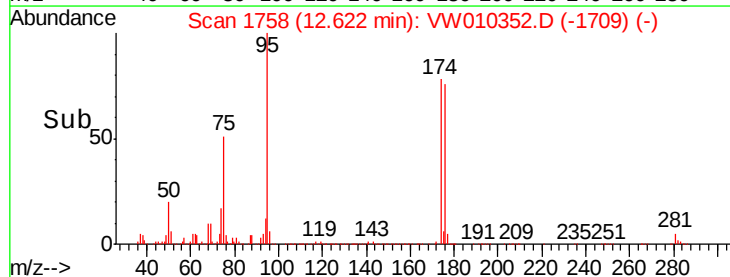
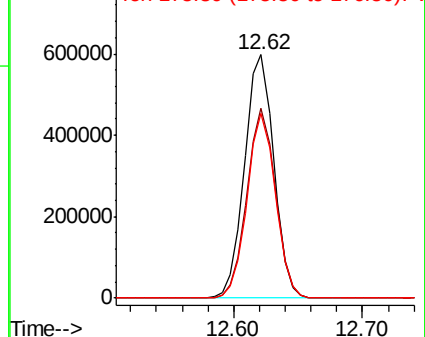
176 73.4 0.0 146.2

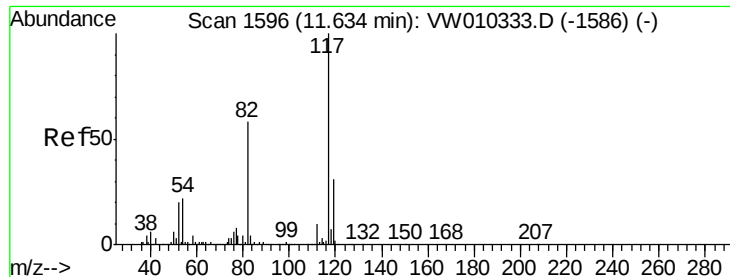


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

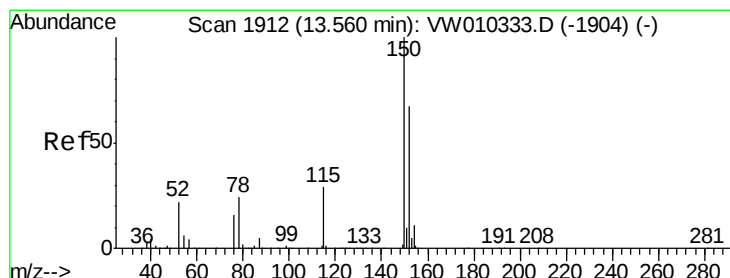
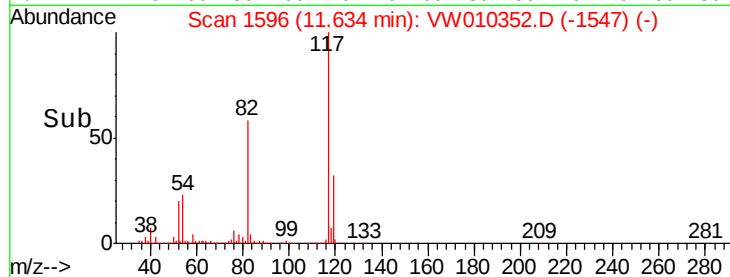
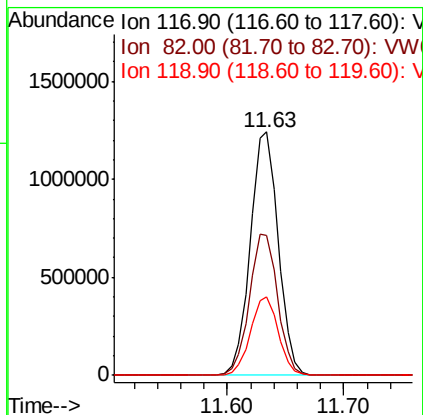
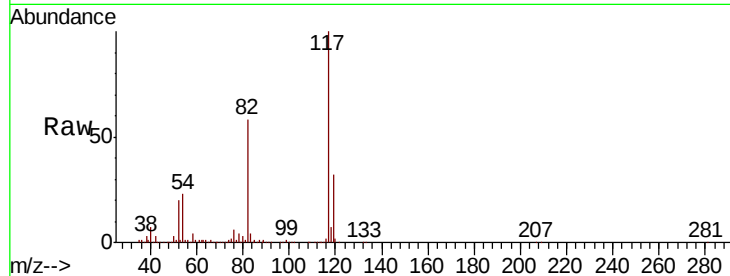




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010352.D
Acq: 10 May 2019 13:10

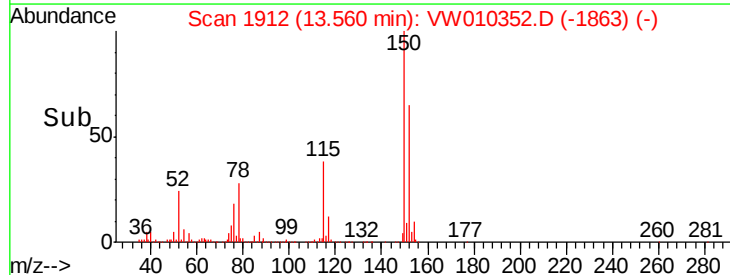
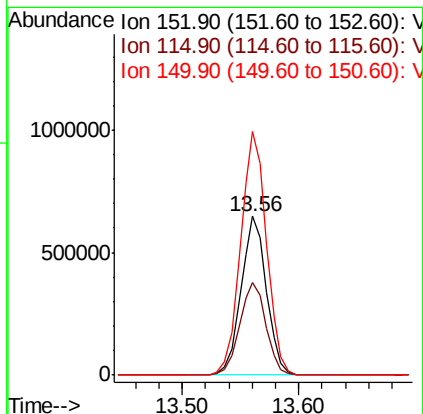
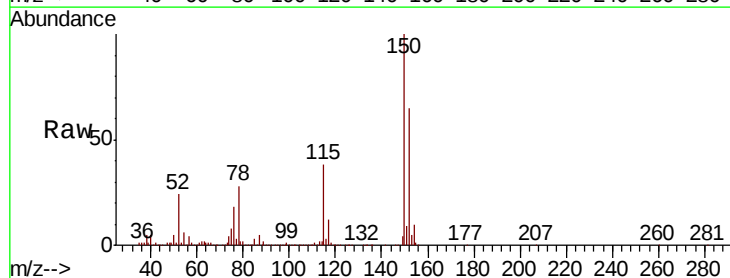
Instrument :
MSVOA_W
ClientSampleId :
VW0510SBL01

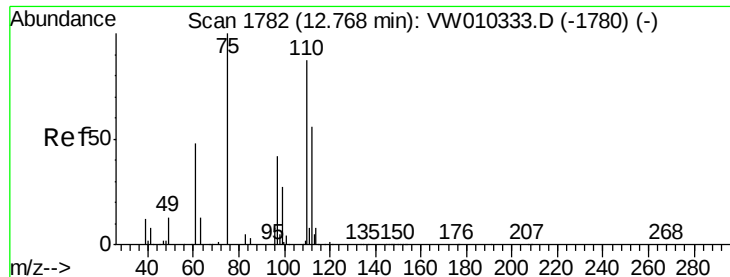
Tgt Ion:117 Resp: 2085445
Ion Ratio Lower Upper
117 100
82 57.6 45.2 67.8
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010352.D
Acq: 10 May 2019 13:10

Tgt Ion:152 Resp: 980648
Ion Ratio Lower Upper
152 100
115 60.3 30.4 91.2
150 156.3 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 41.669 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010352.D

Acq: 10 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

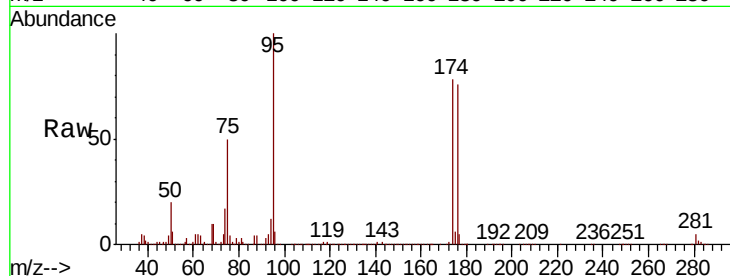
VW0510SBL01

Tgt Ion: 75 Resp: 476420

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

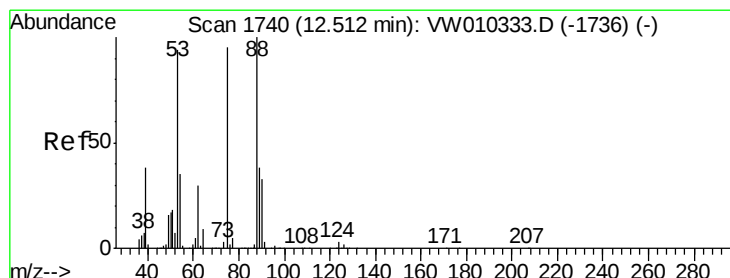
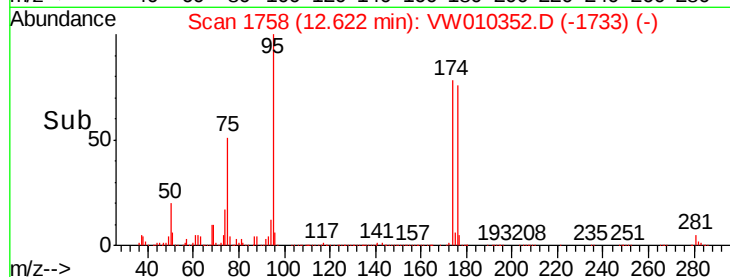
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 94.101 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010352.D

Acq: 10 May 2019 13:10

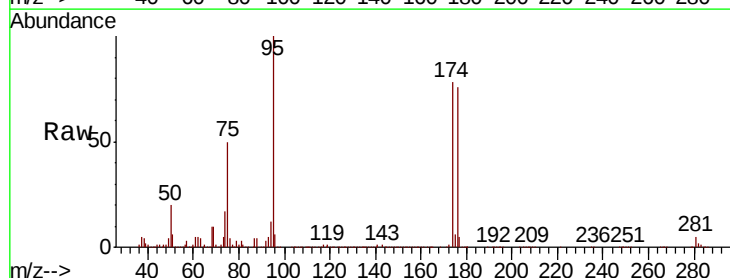
Tgt Ion: 75 Resp: 476420

Ion Ratio Lower Upper

75 100

53 0.3 89.8 134.8#

89 0.0 36.6 54.8#



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

12.62

400000

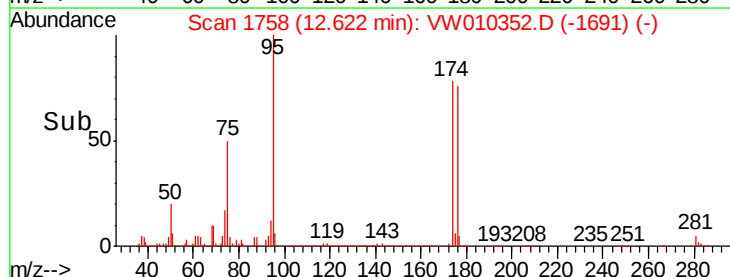
300000

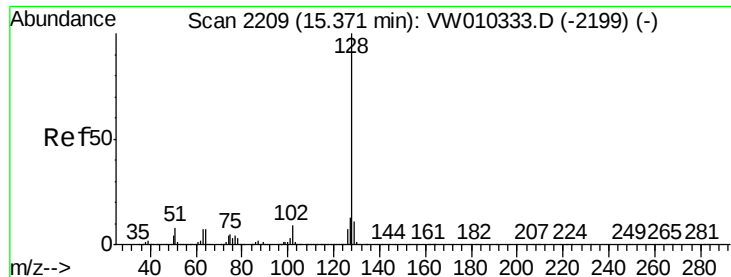
200000

100000

0

Time-->





#95
Naphthalene
Concen: 3.790 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW010352.D
Acq: 10 May 2019 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBL01

Tgt Ion:128 Resp: 9370
Ion Ratio Lower Upper
128 100
127 20.3 10.6 15.8#
129 13.6 8.7 13.1#

