

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010356.D
 Acq On : 10 May 2019 15:11
 Operator : SY/VA
 Sample : K2717-05
 Misc : 6.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS001-1824-01

Quant Time: May 10 23:18:25 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	582729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	979284	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	796151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	270639	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	294241	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
35) Dibromofluoromethane	7.88	113	255248	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	
50) Toluene-d8	10.32	98	862595	36.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.94%	
62) 4-Bromofluorobenzene	12.62	95	222954	27.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.28%	

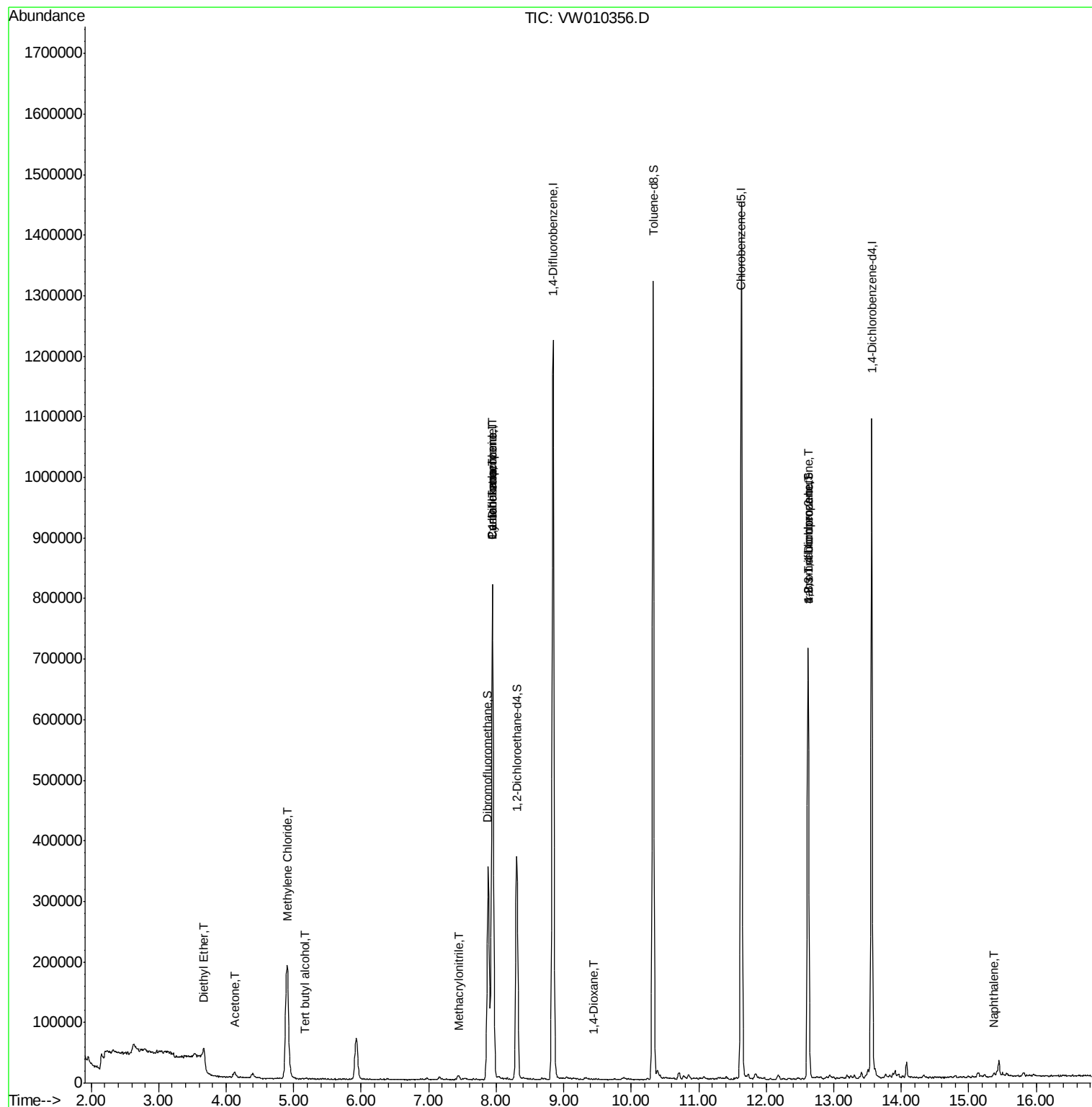
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	17091	5.239	ug/l	95
11) Tert butyl alcohol	5.16	59	665	1.520	ug/l #	71
16) Acetone	4.12	43	17956	11.118	ug/l	97
20) Methylene Chloride	4.90	84	143169	21.253	ug/l	93
31) Cyclohexane	7.95	56	15067	1.187	ug/l #	4
36) 1,1-Dichloropropene	7.95	75	50674	4.772	ug/l #	50
38) Carbon Tetrachloride	7.95	117	58620	6.440	ug/l #	18
41) Methacrylonitrile	7.45	41	4880	1.539	ug/l #	49
49) 1,4-Dioxane	9.45	88	194	2.979	ug/l #	62
76) 1,2,3-Trichloropropane	12.62	75	119241	37.789	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	119241	85.340	ug/l #	6
95) Naphthalene	15.37	128	5505	4.011	ug/l #	89

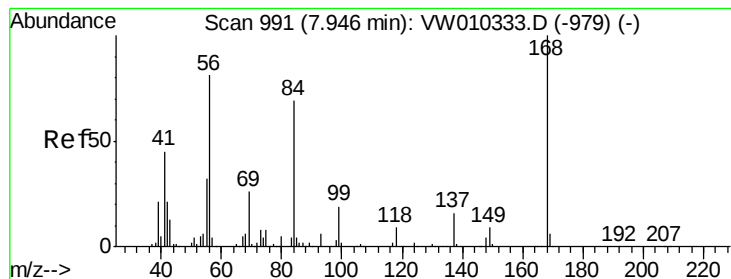
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010356.D

Acq: 10 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

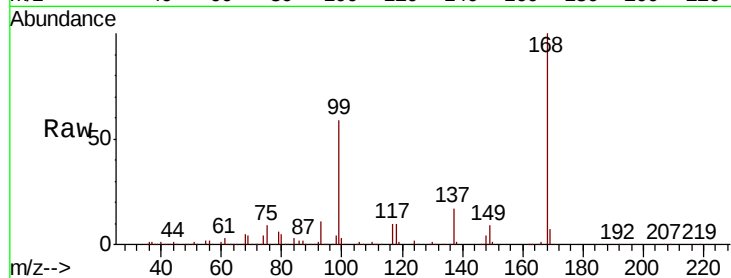
P026-SS001-1824-01

Tgt Ion:168 Resp: 582729

Ion Ratio Lower Upper

168 100

99 59.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

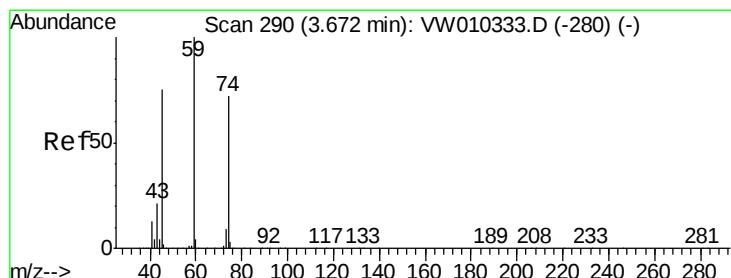
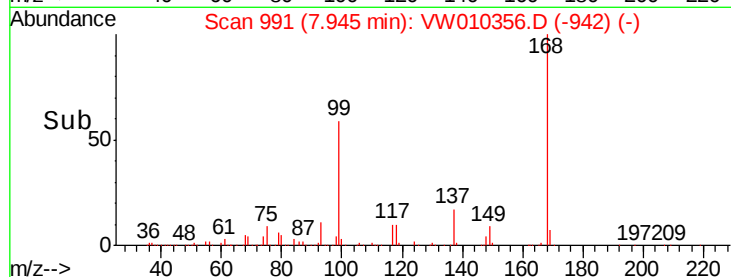
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 5.239 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW010356.D

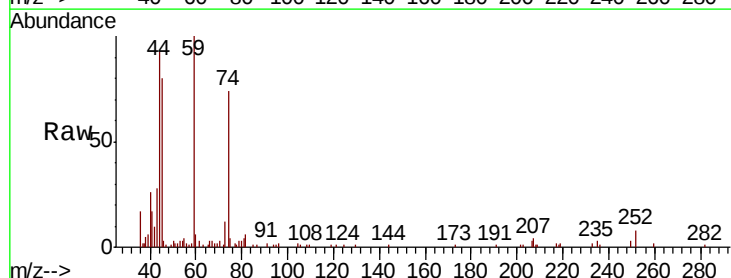
Acq: 10 May 2019 15:11

Tgt Ion: 74 Resp: 17091

Ion Ratio Lower Upper

74 100

45 106.6 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

8000

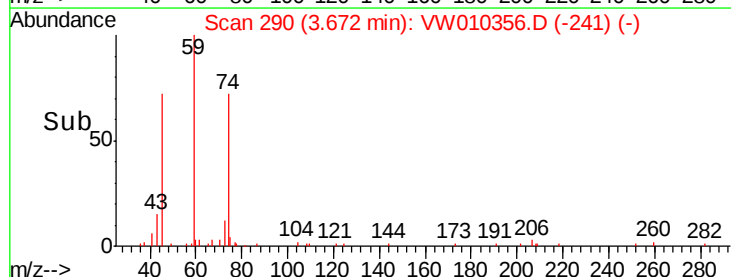
6000

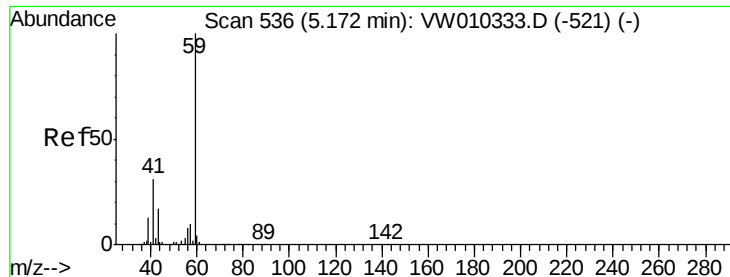
4000

2000

0

Time-->

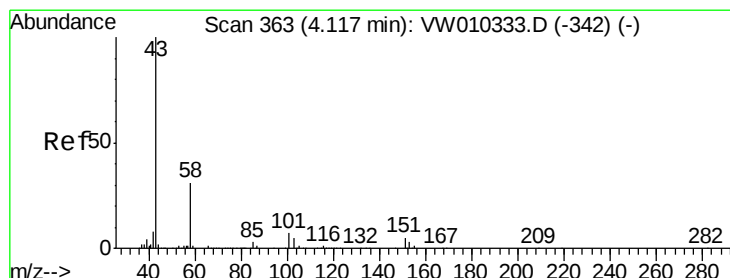
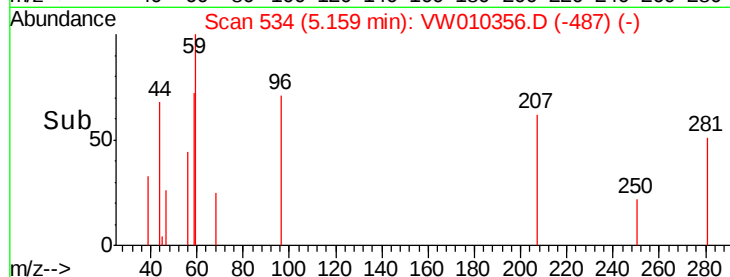
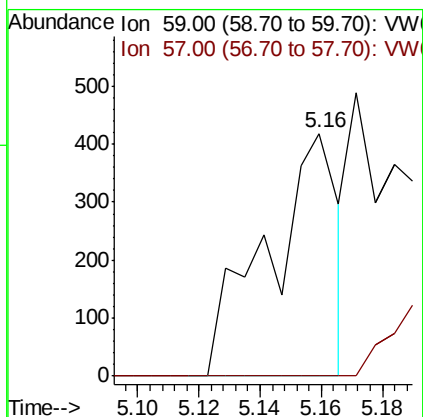
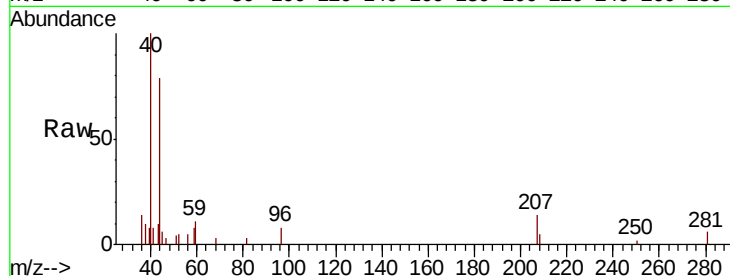




#11
Tert butyl alcohol
Concen: 1.520 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW010356.D
Acq: 10 May 2019 15:11

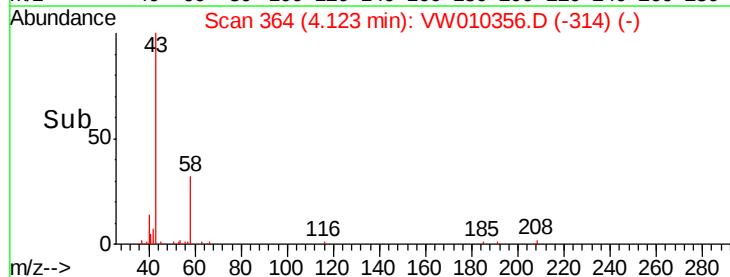
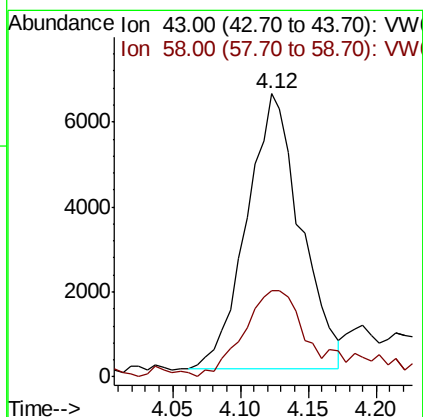
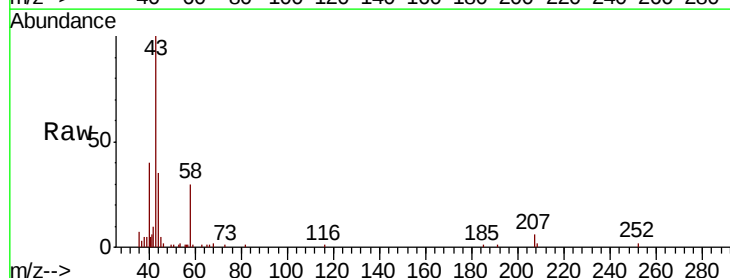
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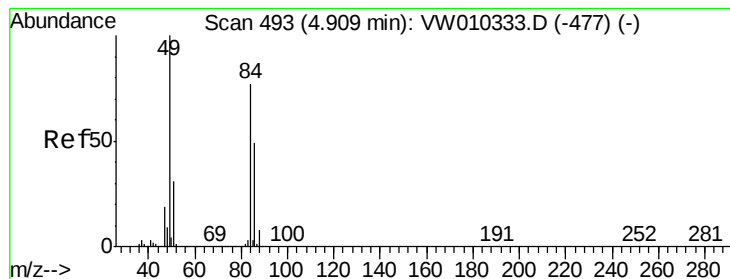
Tgt Ion: 59 Resp: 665
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 11.118 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW010356.D
Acq: 10 May 2019 15:11

Tgt Ion: 43 Resp: 17956
Ion Ratio Lower Upper
43 100
58 30.0 22.7 34.1





#20

Methylene Chloride

Concen: 21.253 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.01 min

Lab File: VW010356.D

Acq: 10 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

P026-SS001-1824-01

Tgt Ion: 84 Resp: 143169

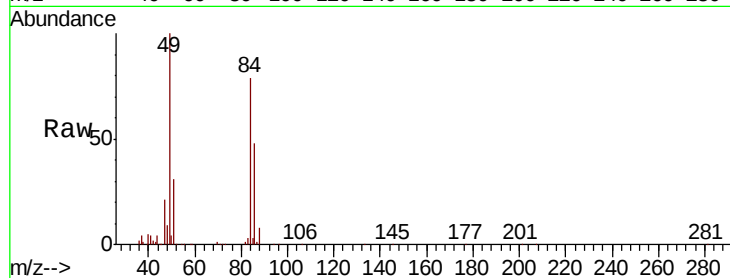
Ion Ratio Lower Upper

84 100

49 127.2 112.3 168.5

51 40.0 33.9 50.9

86 61.3 50.2 75.4

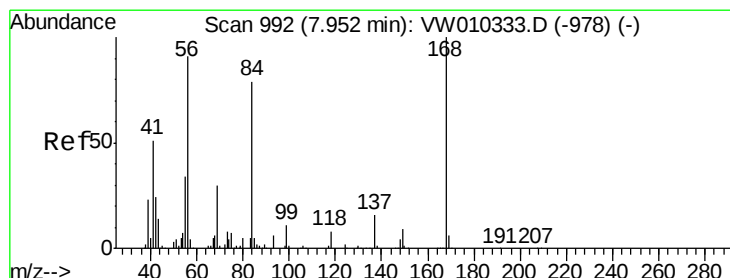
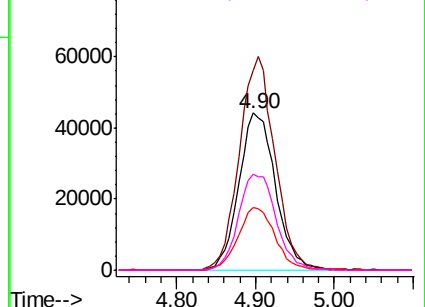
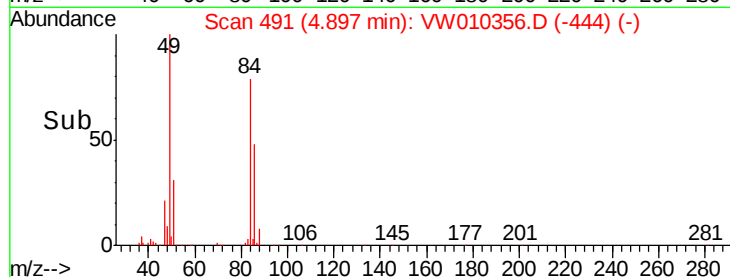


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.187 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010356.D

Acq: 10 May 2019 15:11

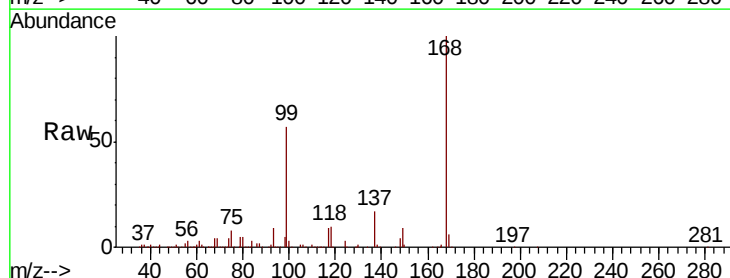
Tgt Ion: 56 Resp: 15067

Ion Ratio Lower Upper

56 100

69 157.4 26.6 40.0#

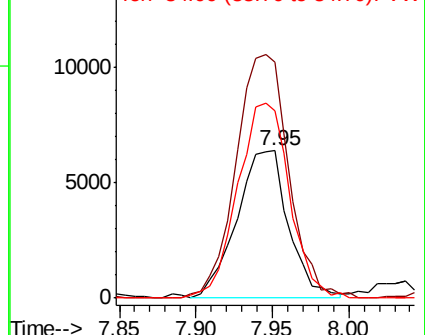
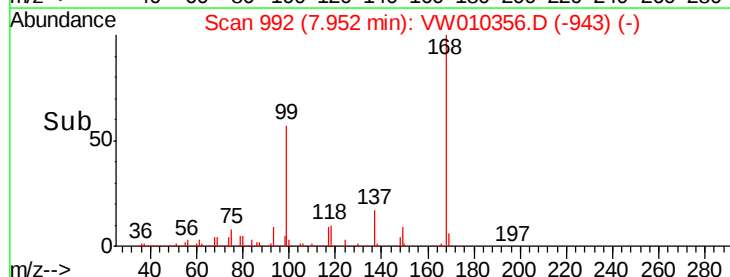
84 125.0 66.2 99.2#

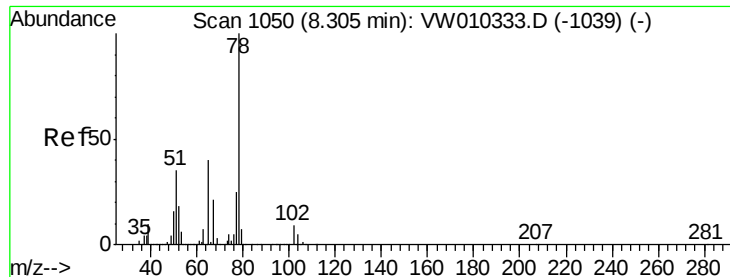


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 47.495 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010356.D

Acq: 10 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

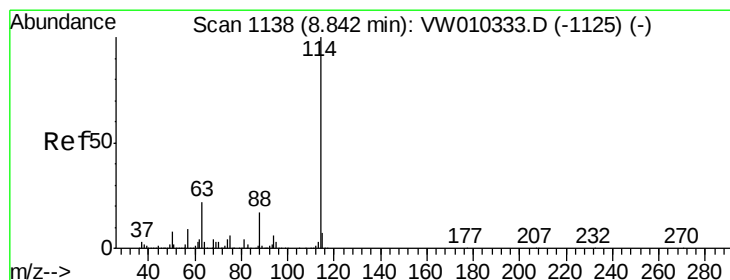
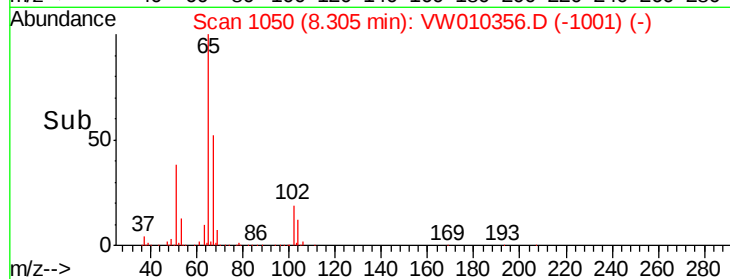
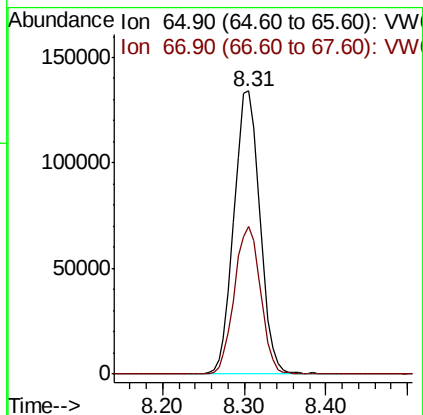
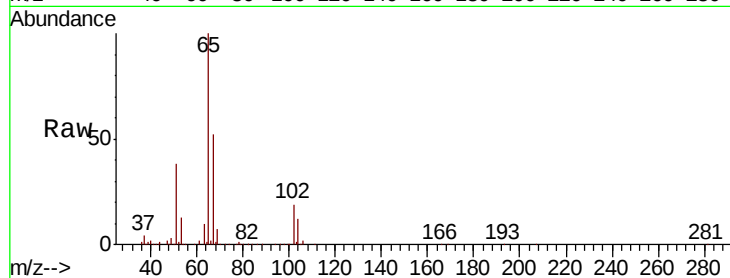
P026-SS001-1824-01

Tgt Ion: 65 Resp: 294241

Ion Ratio Lower Upper

65 100

67 52.5 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: VW010356.D

Acq: 10 May 2019 15:11

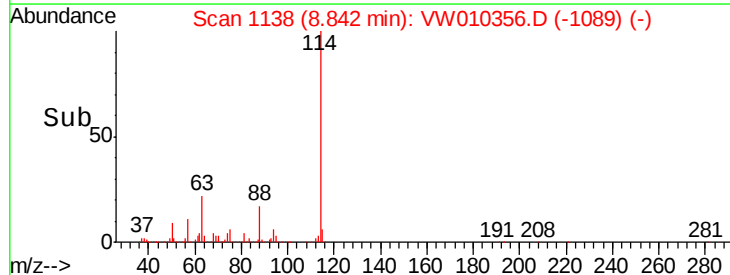
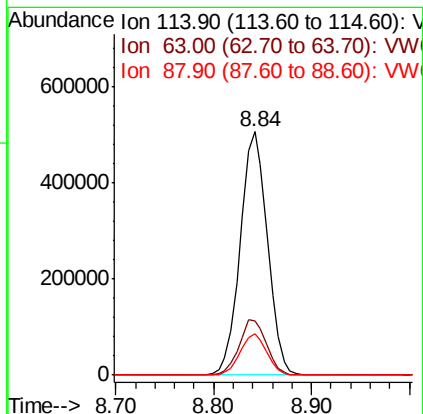
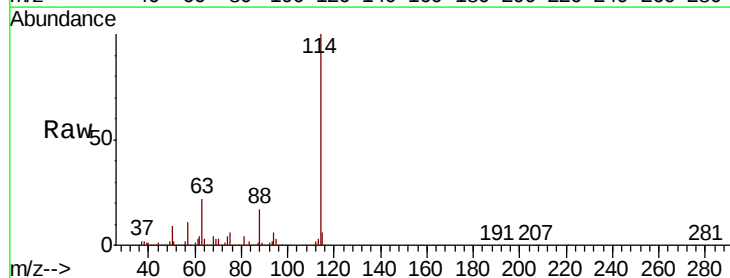
Tgt Ion: 114 Resp: 979284

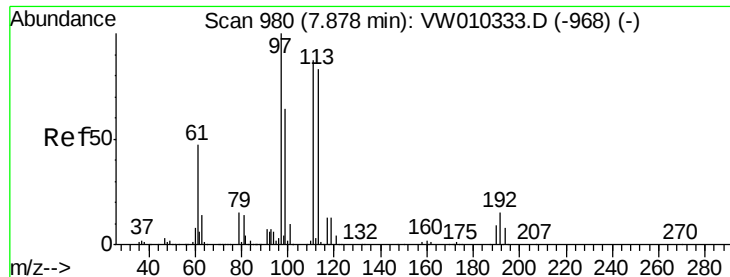
Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.2

88 16.7 0.0 32.6

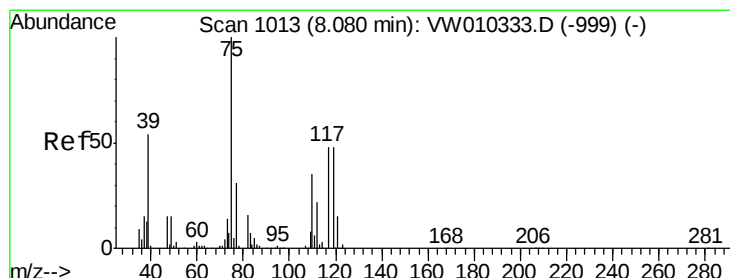
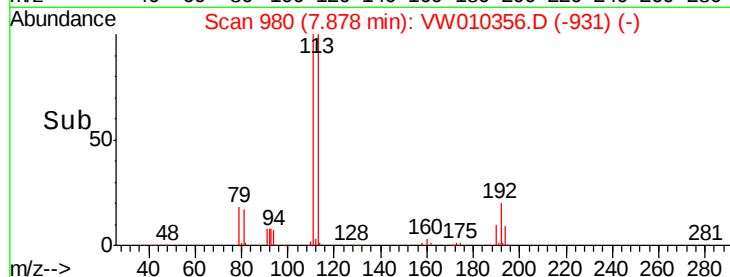
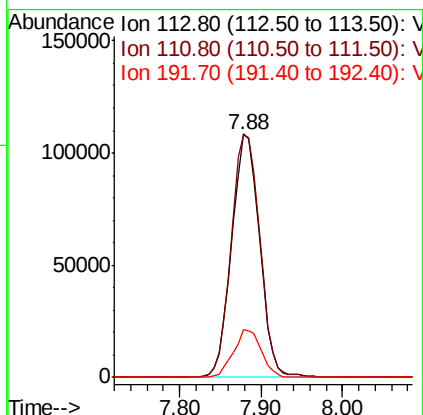
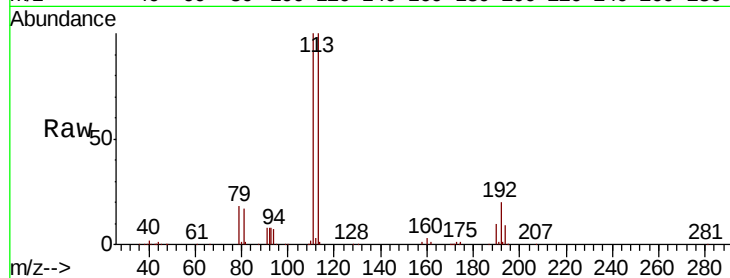




#35
 Dibromofluoromethane
 Concen: 44.541 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010356.D
 Acq: 10 May 2019 15:11

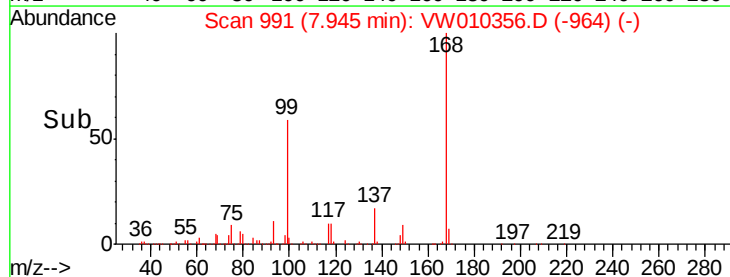
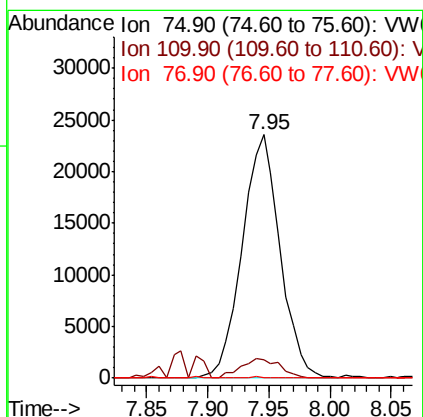
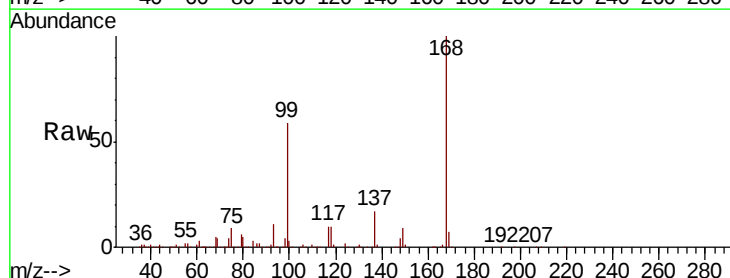
Instrument :
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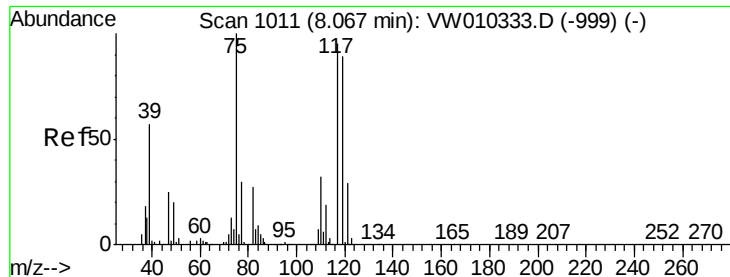
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	123.8
192	19.4	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 4.772 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010356.D
 Acq: 10 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.6	49.8#
77	0.2	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.440 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010356.D

Acq: 10 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

P026-SS001-1824-01

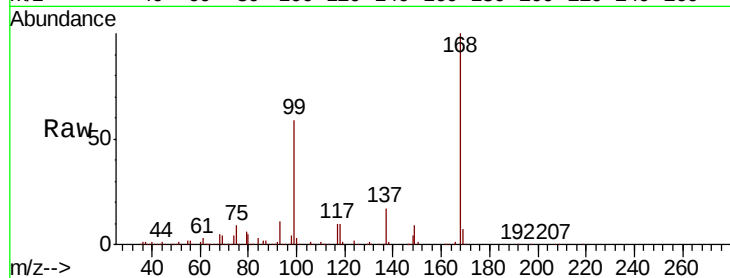
Tgt Ion:117 Resp: 58620

Ion Ratio Lower Upper

117 100

119 6.7 75.3 112.9#

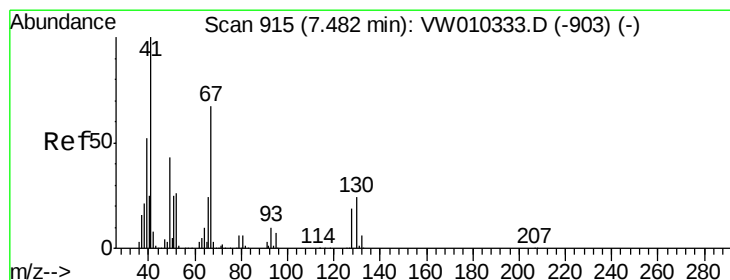
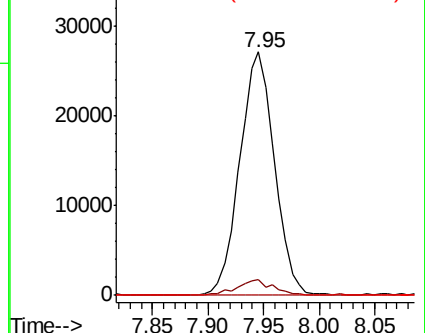
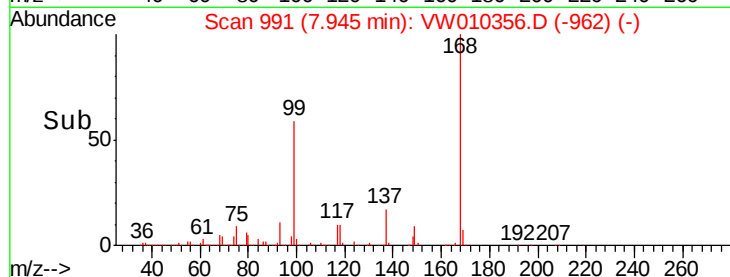
121 0.0 24.4 36.6#



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



#41

Methacrylonitrile

Concen: 1.539 ug/l

RT: 7.45 min Scan# 909

Delta R.T. -0.04 min

Lab File: VW010356.D

Acq: 10 May 2019 15:11

Tgt Ion: 41 Resp: 4880

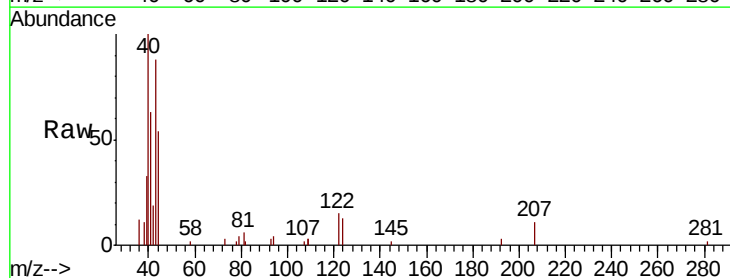
Ion Ratio Lower Upper

41 100

39 45.9 45.0 67.4

67 0.0 50.7 76.1#

52 0.0 22.6 33.8#

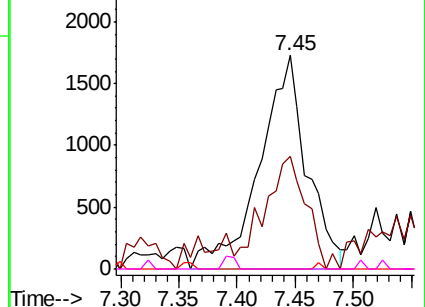
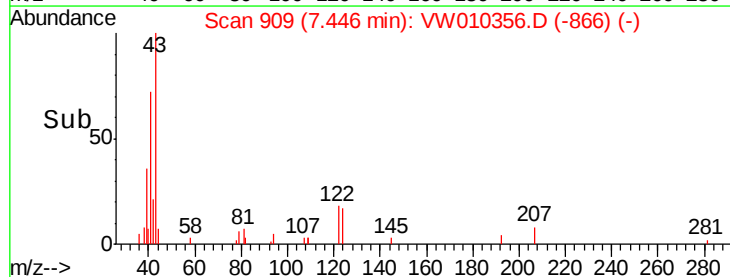


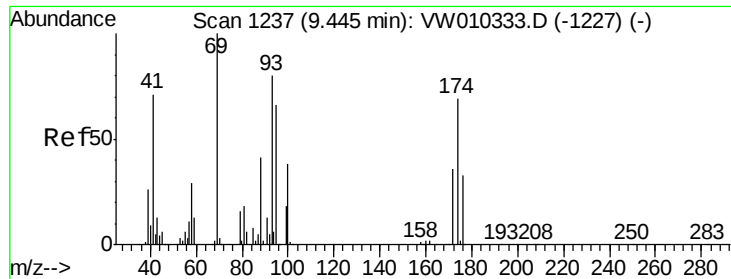
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

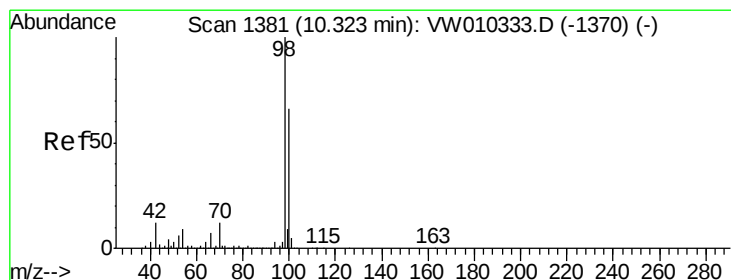
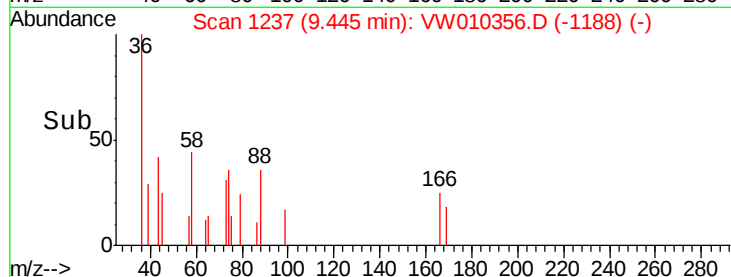
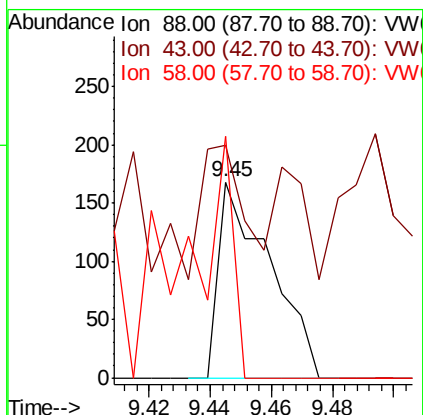
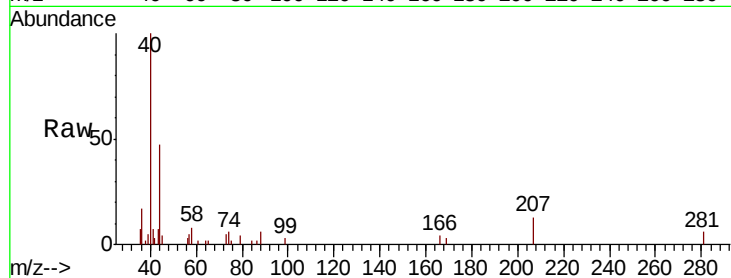




#49
1,4-Dioxane
Concen: 2.979 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010356.D
Acq: 10 May 2019 15:11

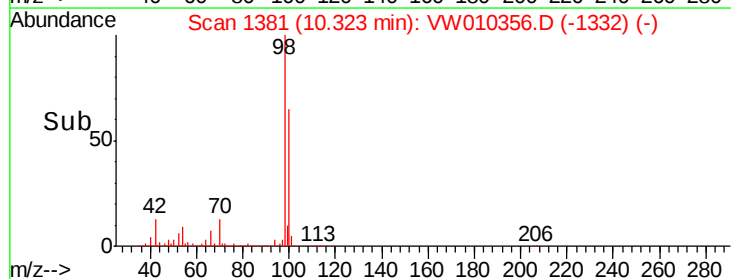
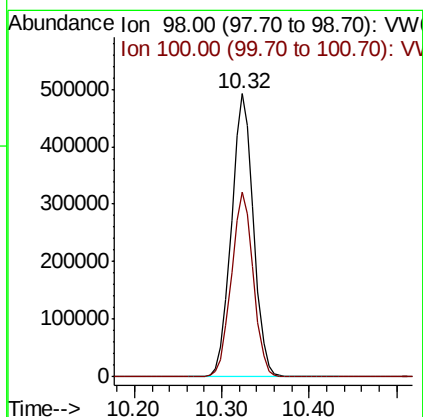
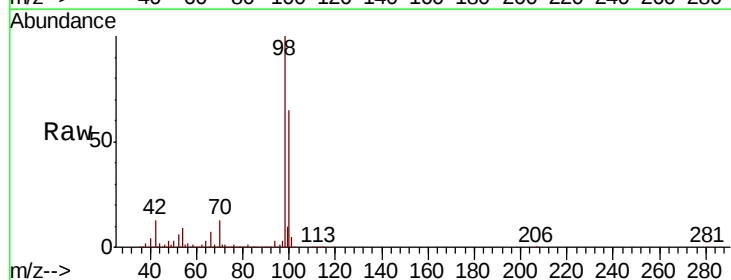
Instrument :
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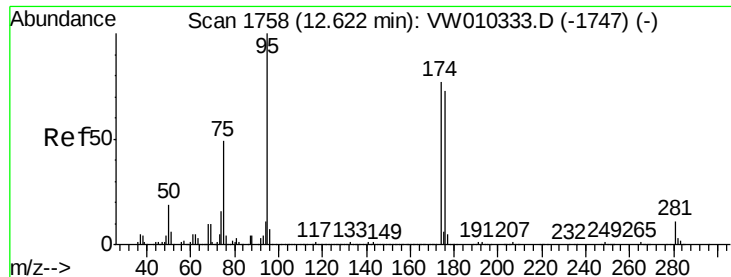
Tgt Ion: 88 Resp: 194
Ion Ratio Lower Upper
88 100
43 57.2 31.9 47.9#
58 114.9 61.8 92.6#



#50
Toluene-d8
Concen: 36.965 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010356.D
Acq: 10 May 2019 15:11

Tgt Ion: 98 Resp: 862595
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 27.142 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010356.D

Acq: 10 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

P026-SS001-1824-01

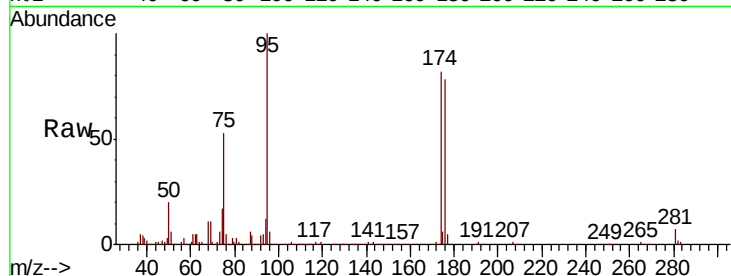
Tgt Ion: 95 Resp: 222954

Ion Ratio Lower Upper

95 100

174 79.6 0.0 151.4

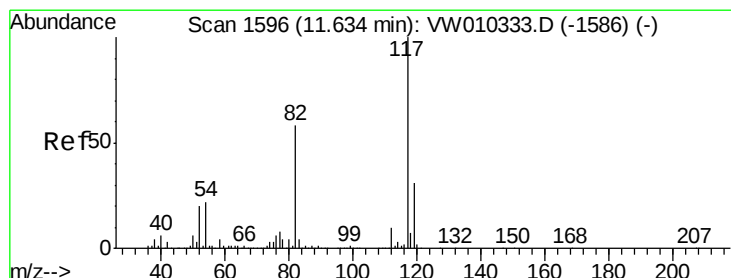
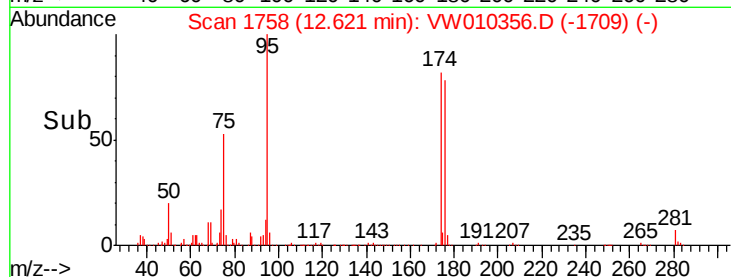
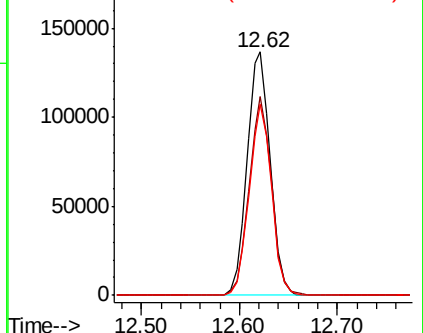
176 76.0 0.0 146.2



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: VW010356.D

Acq: 10 May 2019 15:11

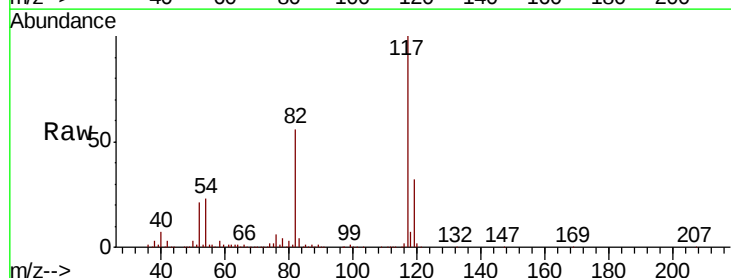
Tgt Ion: 117 Resp: 796151

Ion Ratio Lower Upper

117 100

82 56.4 45.2 67.8

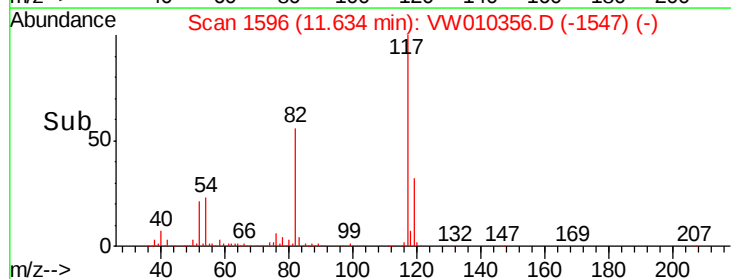
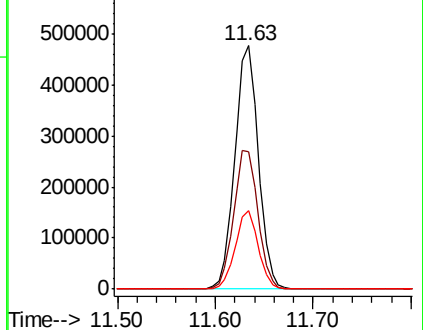
119 32.0 25.4 38.2

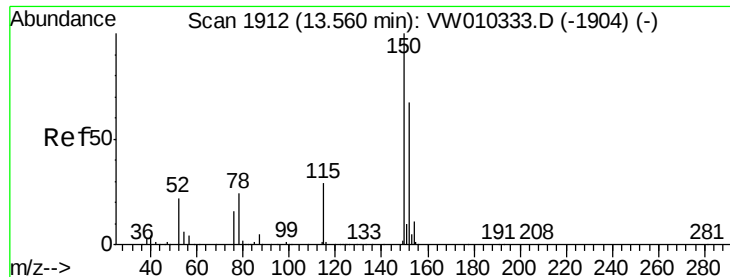


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW010356.D

Acq: 10 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

P026-SS001-1824-01

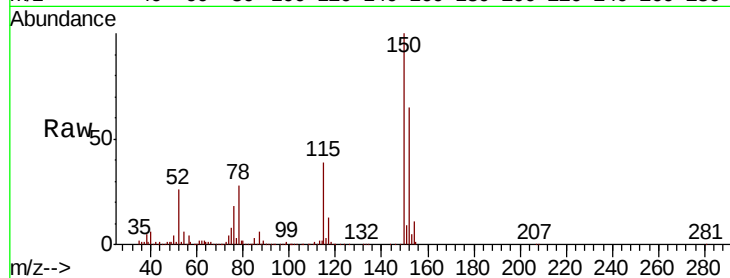
Tgt Ion:152 Resp: 270639

Ion Ratio Lower Upper

152 100

115 60.3 30.4 91.2

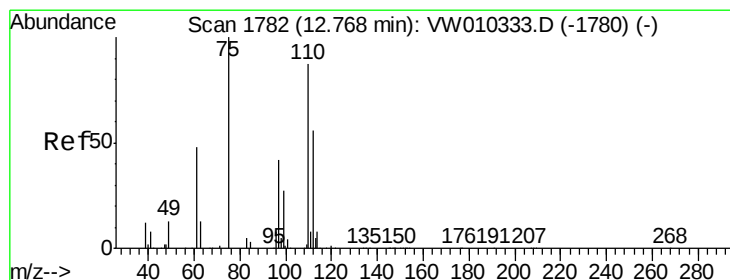
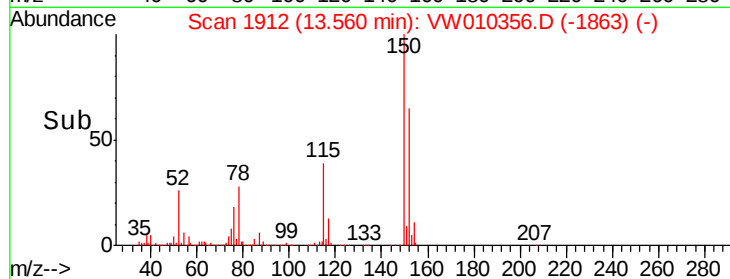
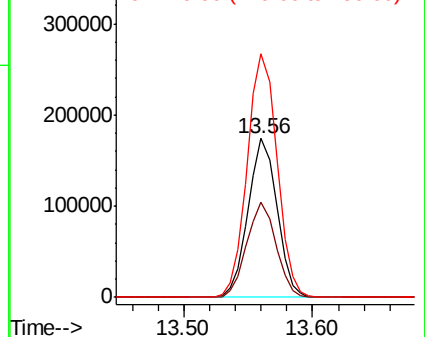
150 157.7 0.0 347.0



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: 37.789 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010356.D

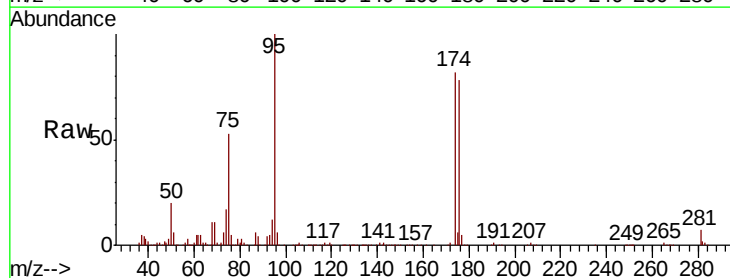
Acq: 10 May 2019 15:11

Tgt Ion: 75 Resp: 119241

Ion Ratio Lower Upper

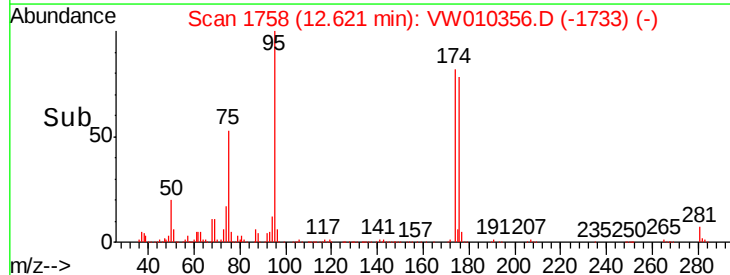
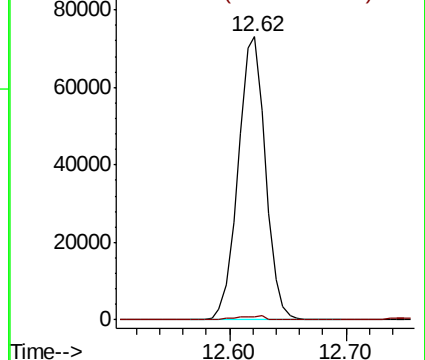
75 100

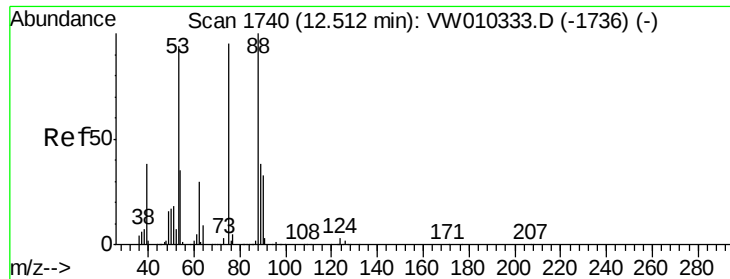
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

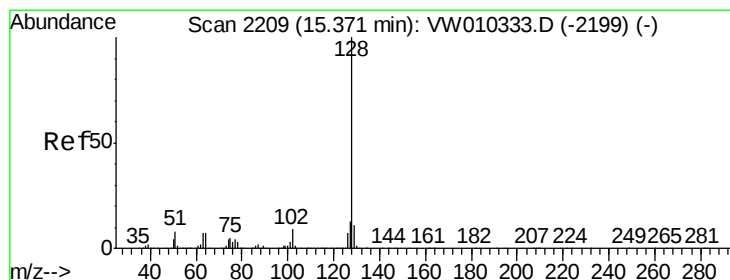
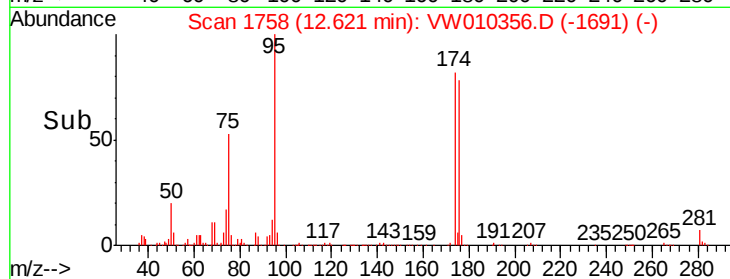
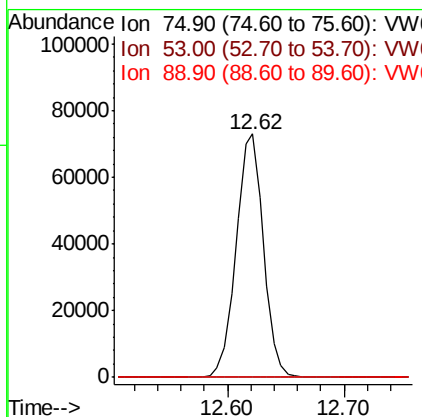
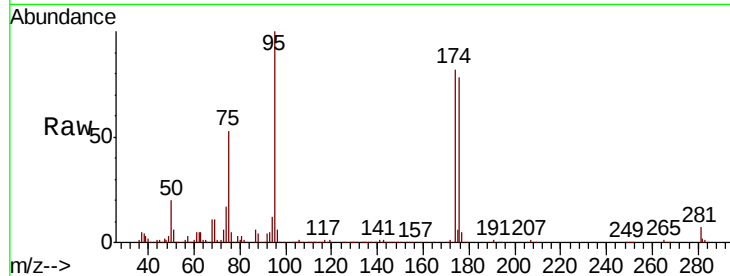




#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.340 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010356.D
 Acq: 10 May 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS001-1824-01

Tgt Ion: 75 Resp: 119241
 Ion Ratio Lower Upper
 75 100
 53 0.5 89.8 134.8#
 89 0.2 36.6 54.8#



#95
 Naphthalene
 Concen: 4.011 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: VW010356.D
 Acq: 10 May 2019 15:11

Tgt Ion: 128 Resp: 5505
 Ion Ratio Lower Upper
 128 100
 127 17.7 10.6 15.8#
 129 15.1 8.7 13.1#

