

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010382.D
 Acq On : 11 May 2019 15:41
 Operator : SY/VA
 Sample : K2719-10
 Misc : 5.80G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:27:10 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	715449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1355242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	884736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	227911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	828933	108.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.96%	
35) Dibromofluoromethane	7.88	113	649898	81.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	163.90%	
50) Toluene-d8	10.32	98	1333824	41.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.60%	
62) 4-Bromofluorobenzene	12.62	95	323928	28.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.00%	

Target Compounds

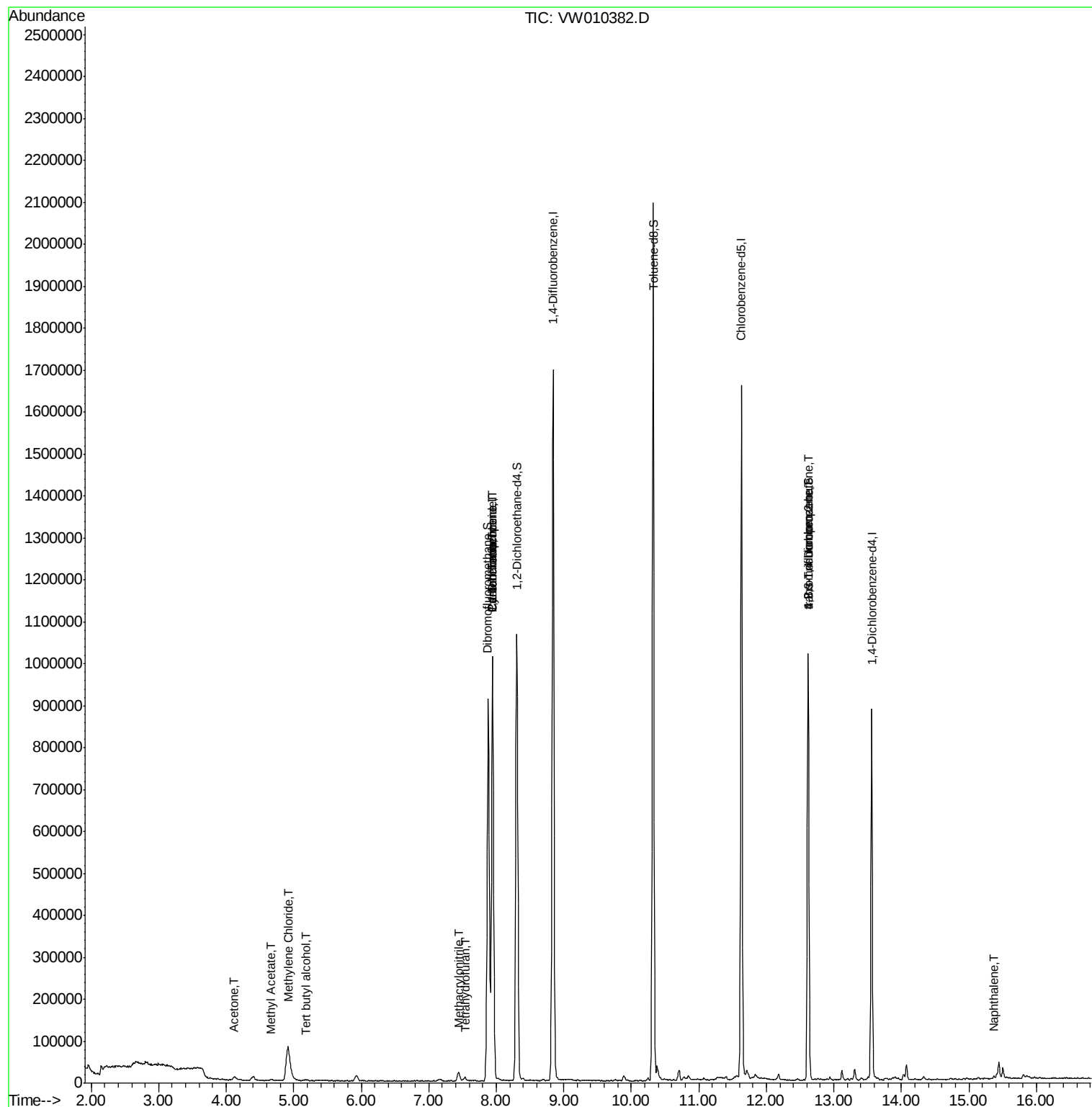
						Qvalue
11) Tert butyl alcohol	5.18	59	3734	6.951	ug/l #	81
16) Acetone	4.12	43	17118	8.633	ug/l	92
18) Methyl Acetate	4.66	43	7307	1.488	ug/l	95
20) Methylene Chloride	4.92	84	81258	9.825	ug/l	95
29) Tetrahydrofuran	7.54	42	6555	3.341	ug/l #	86
31) Cyclohexane	7.94	56	17619	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	62592	4.260	ug/l #	49
38) Carbon Tetrachloride	7.95	117	73131	5.806	ug/l #	18
41) Methacrylonitrile	7.44	41	11438	2.607	ug/l #	51
76) 1,2,3-Trichloropropane	12.62	75	167088	62.880	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	167088	142.002	ug/l #	6
95) Naphthalene	15.38	128	4740	4.020	ug/l #	92

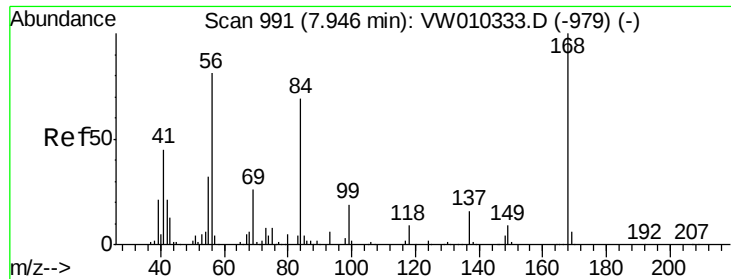
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010382.D

Acq: 11 May 2019 15:41

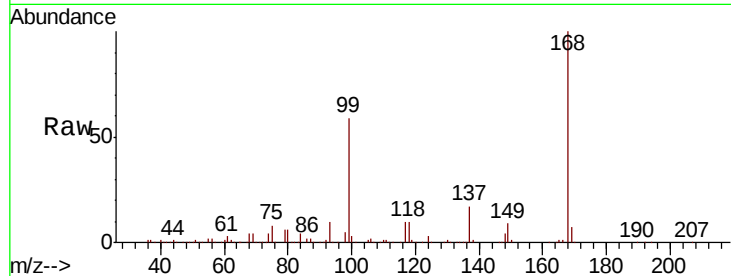
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 715449

Ion Ratio Lower Upper

168 100

99 59.1 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

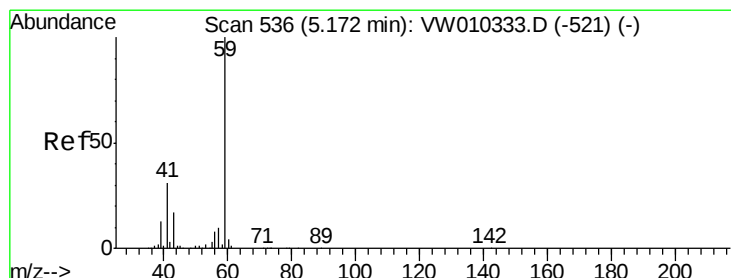
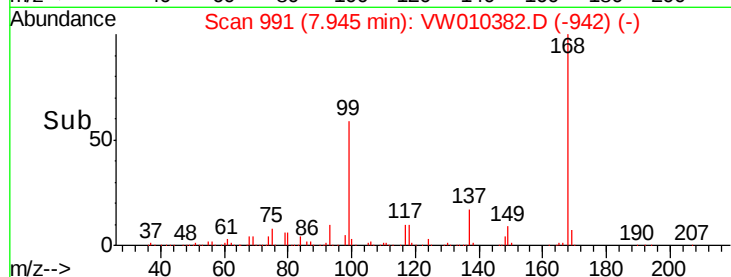
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 6.951 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW010382.D

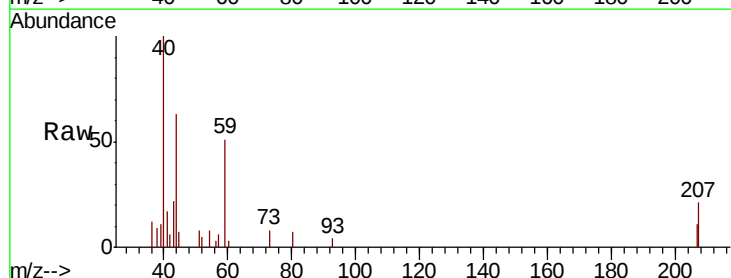
Acq: 11 May 2019 15:41

Tgt Ion: 59 Resp: 3734

Ion Ratio Lower Upper

59 100

57 4.1 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

1200

1000

800

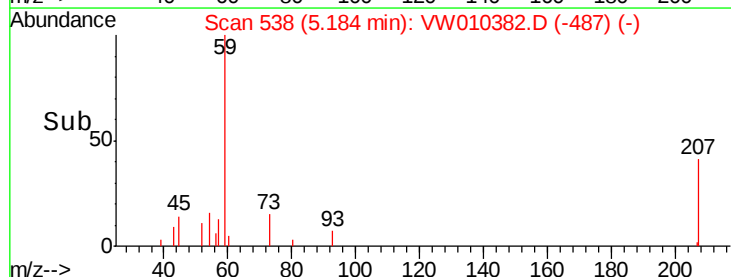
600

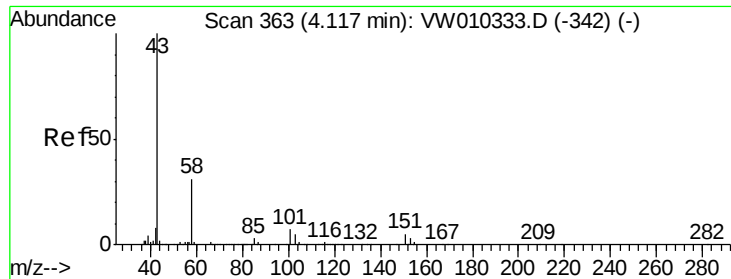
400

200

0

Time-->

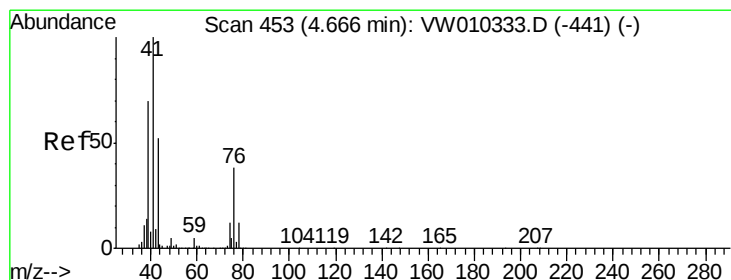
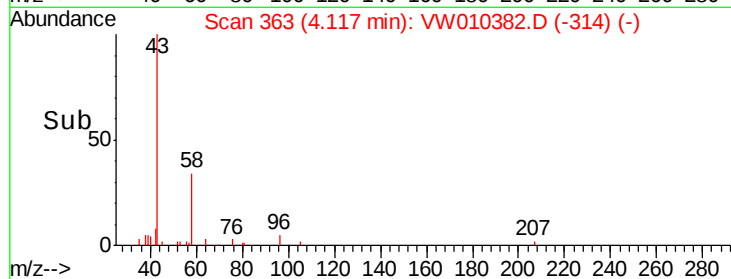
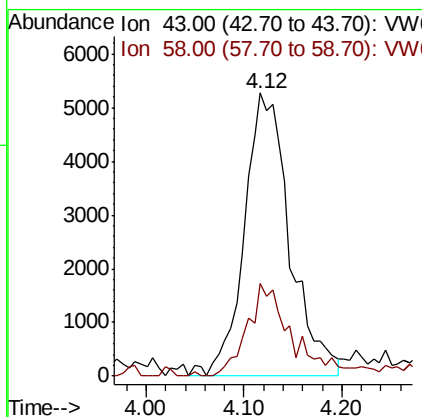
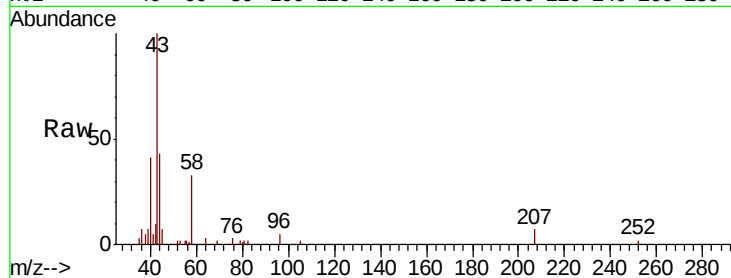




#16
Acetone
Concen: 8.633 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW010382.D
Acq: 11 May 2019 15:41

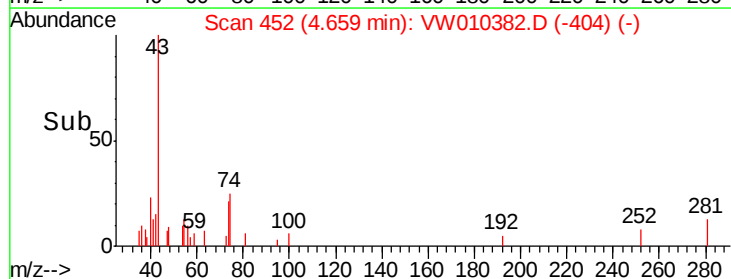
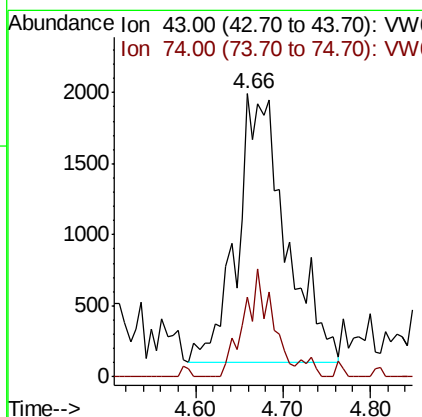
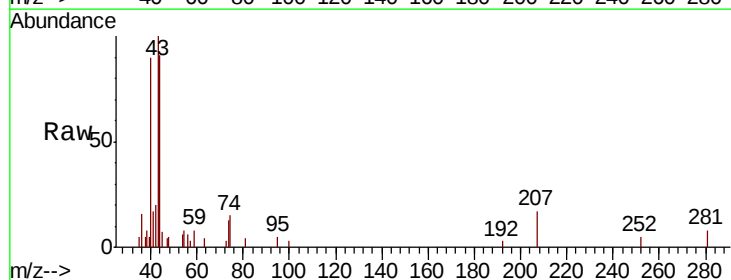
Instrument :
MSVOA_W
ClientSampled :

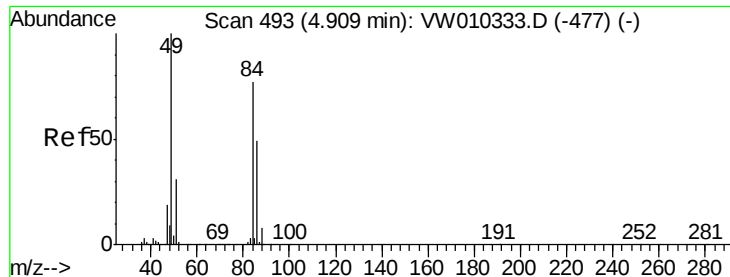
Tot Ion: 43 Resp: 17118
Ion Ratio Lower Upper
43 100
58 32.5 22.7 34.1



#18
Methyl Acetate
Concen: 1.488 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW010382.D
Acq: 11 May 2019 15:41

Tgt Ion: 43 Resp: 7307
Ion Ratio Lower Upper
43 100
74 23.1 16.8 25.2

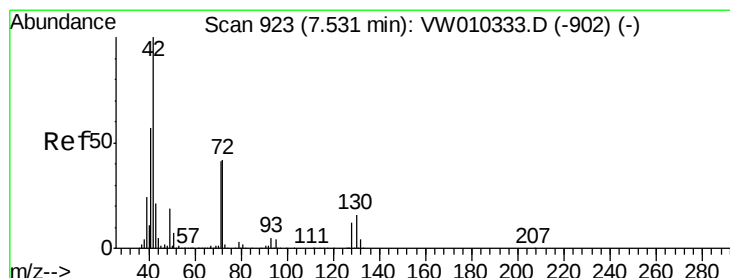
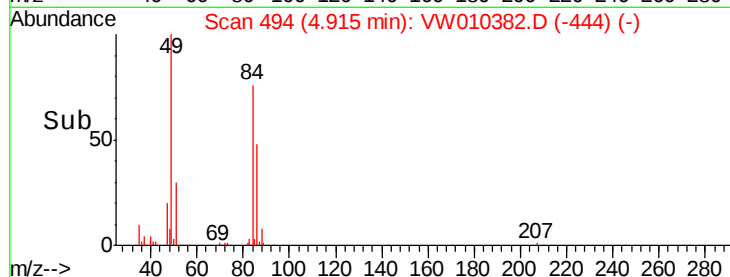
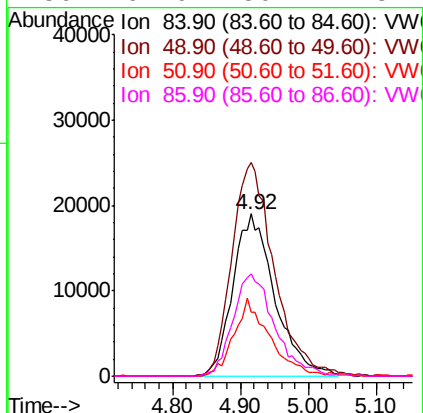
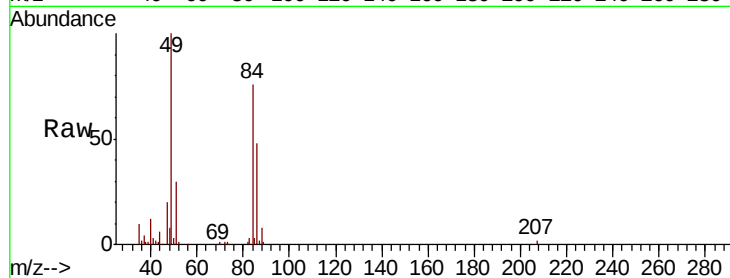




#20
Methvlene Chloride
Concen: 9.825 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010382.D
Acq: 11 May 2019 15:41

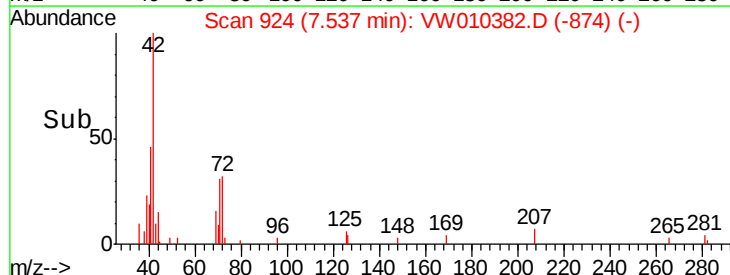
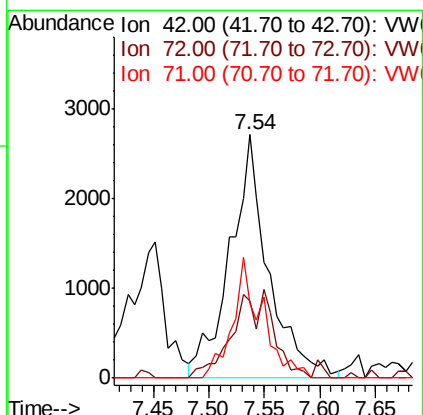
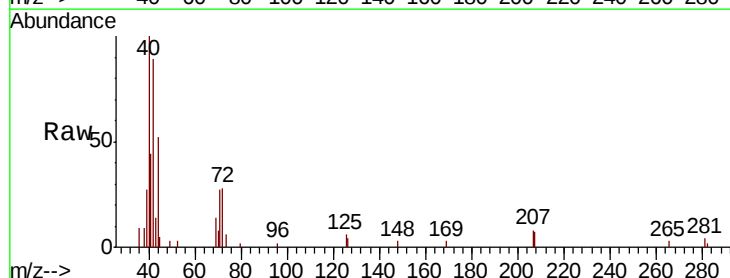
Instrument :
MSVOA_W
ClientSampleId :

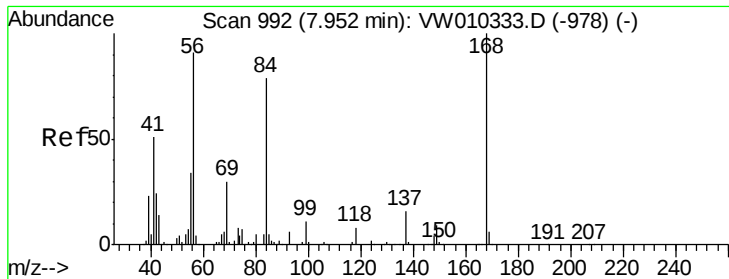
Tot Ion:	84	Resp:	81258
Ion	Ratio	Lower	Upper
84	100		
49	131.6	112.3	168.5
51	39.8	33.9	50.9
86	62.9	50.2	75.4



#29
Tetrahydrofuran
Concen: 3.341 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010382.D
Acq: 11 May 2019 15:41

Tgt Ion:	42	Resp:	6555
Ion	Ratio	Lower	Upper
42	100		
72	23.3	31.0	46.6#
71	37.7	29.7	44.5





#31

Cyclohexane

Concen: 1.131 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010382.D

Acq: 11 May 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :

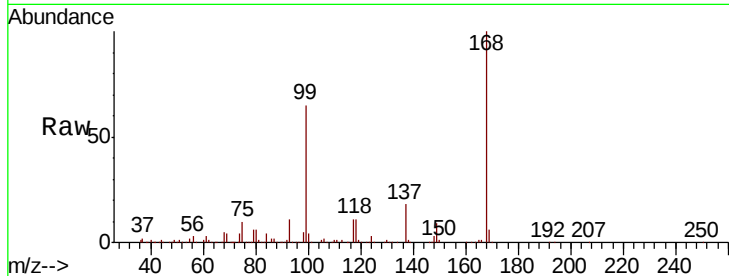
Tot Ion: 56 Resp: 17619

Ion Ratio Lower Upper

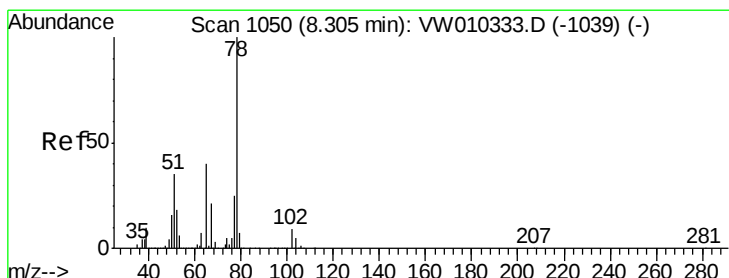
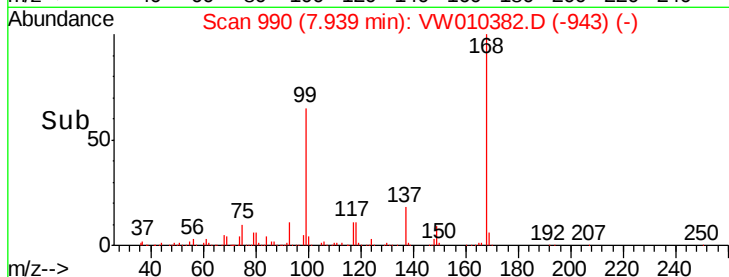
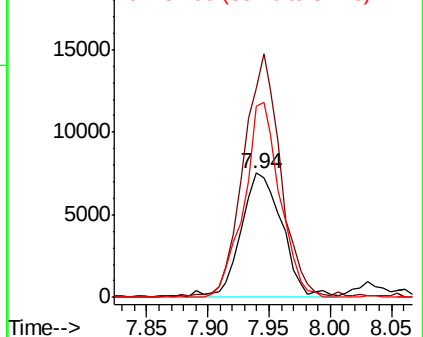
56 100

69 166.6 26.6 40.0#

84 153.4 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: 108.981 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010382.D

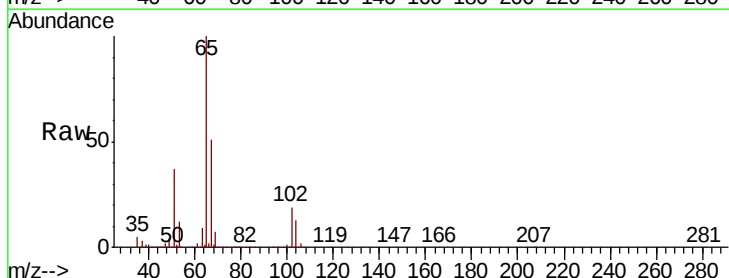
Acq: 11 May 2019 15:41

Tgt Ion: 65 Resp: 828933

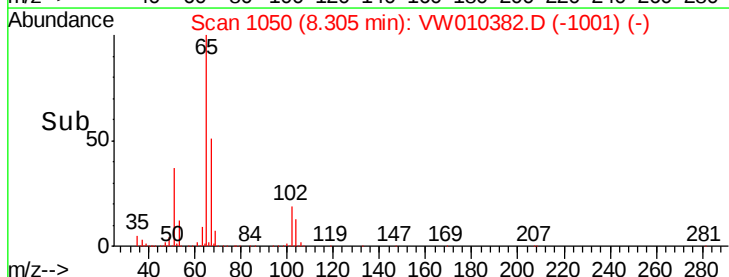
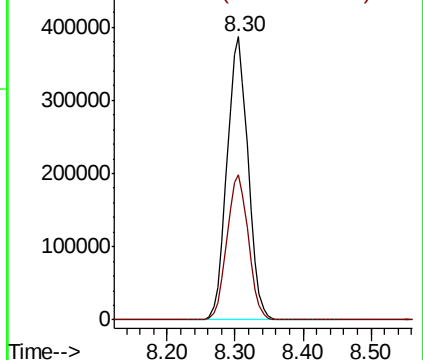
Ion Ratio Lower Upper

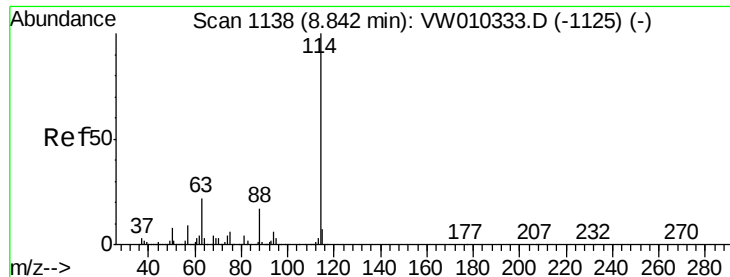
65 100

67 52.1 0.0 100.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

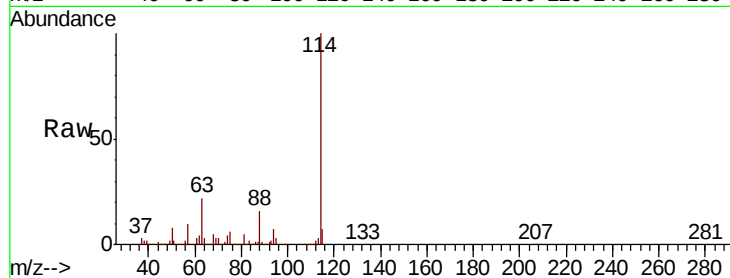




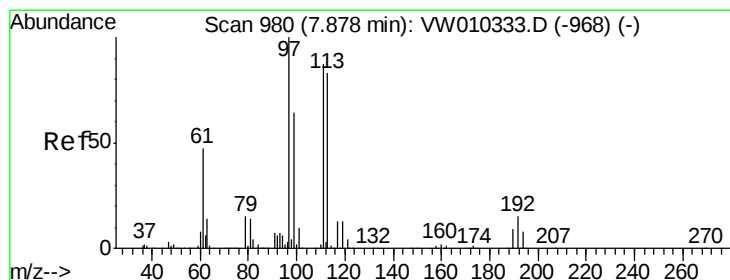
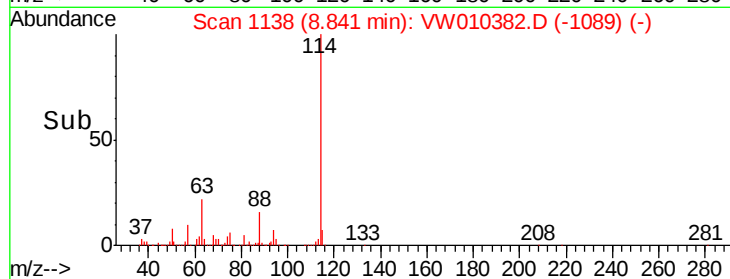
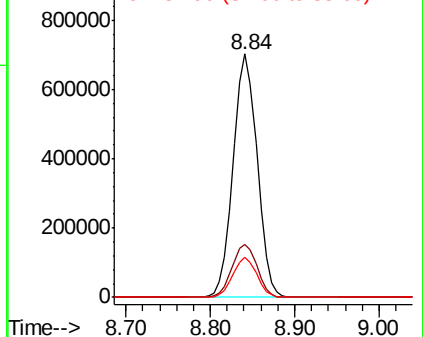
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010382.D
Acq: 11 May 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 1355242
Ion Ratio Lower Upper
114 100
63 21.8 0.0 46.2
88 16.2 0.0 32.6

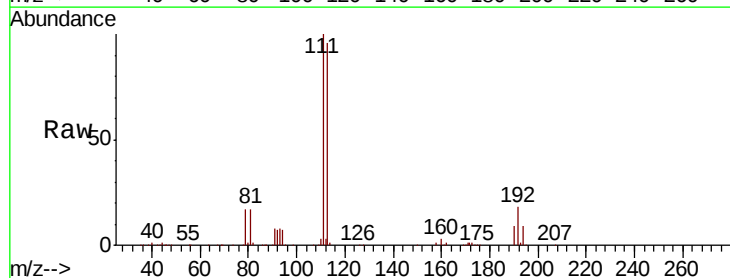


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

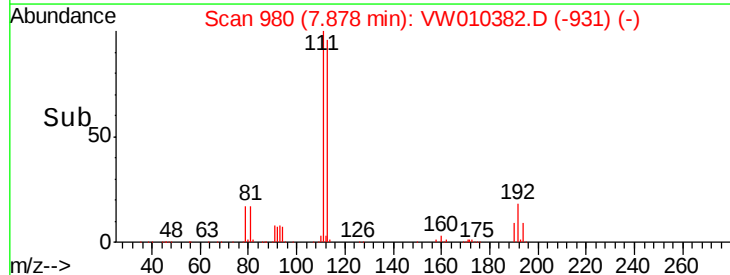
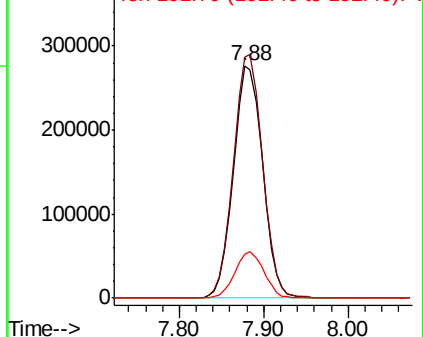


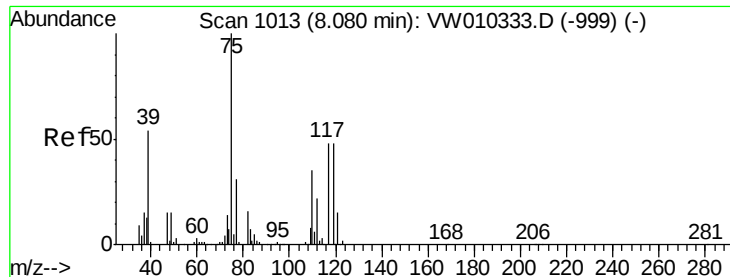
#35
Dibromofluoromethane
Concen: 81.947 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW010382.D
Acq: 11 May 2019 15:41

Tgt Ion:113 Resp: 649898
Ion Ratio Lower Upper
113 100
111 104.2 82.6 123.8
192 19.7 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: 4.260 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW010382.D

Acq: 11 May 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

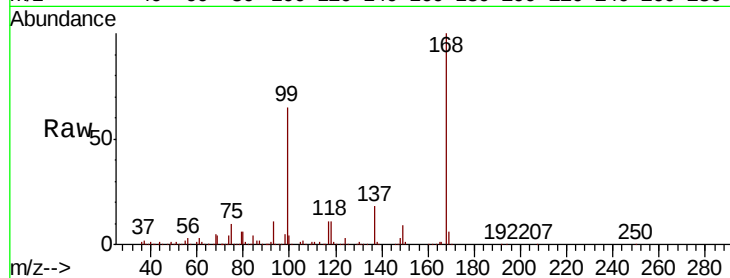
Tot Ion: 75 Resp: 62592

Ion Ratio Lower Upper

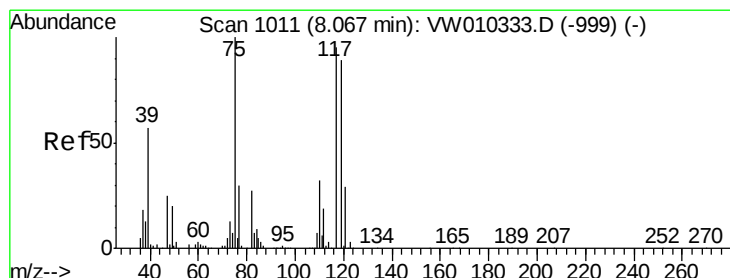
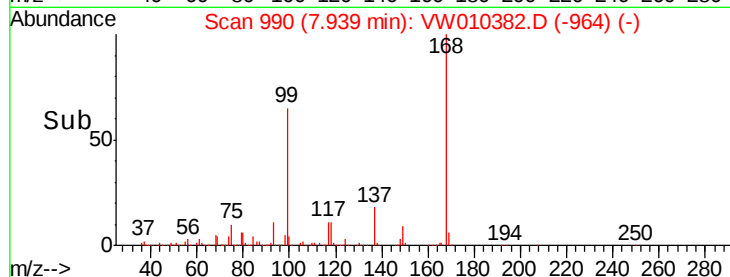
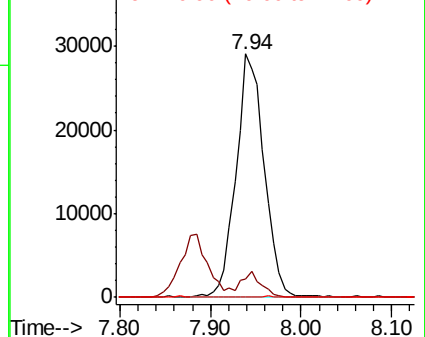
75 100

110 7.4 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: 5.806 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010382.D

Acq: 11 May 2019 15:41

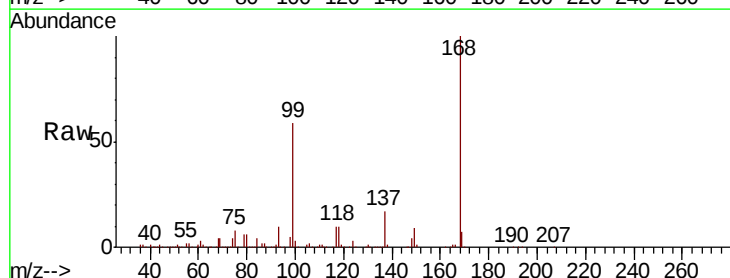
Tgt Ion: 117 Resp: 73131

Ion Ratio Lower Upper

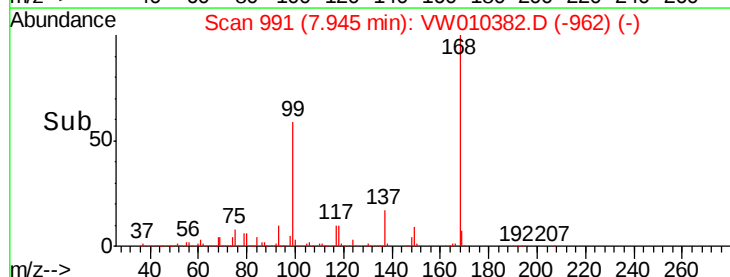
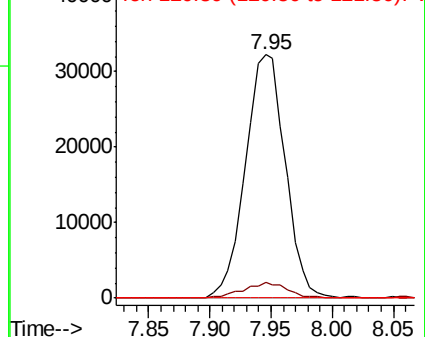
117 100

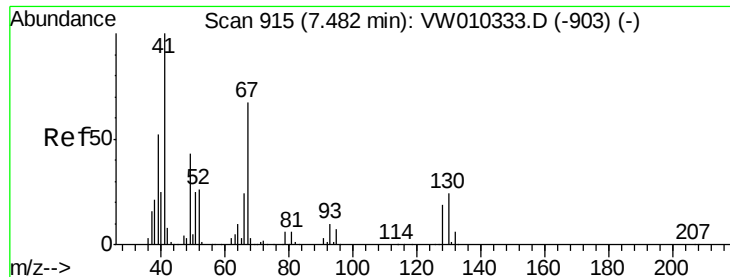
119 6.6 75.3 112.9#

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

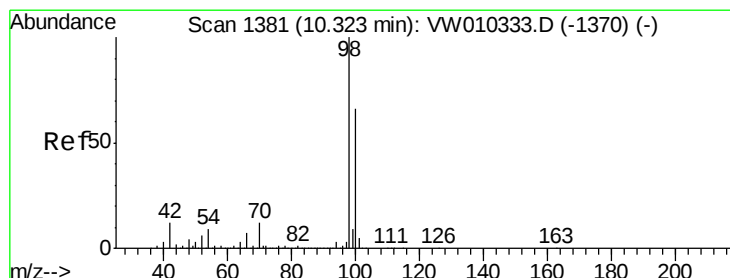
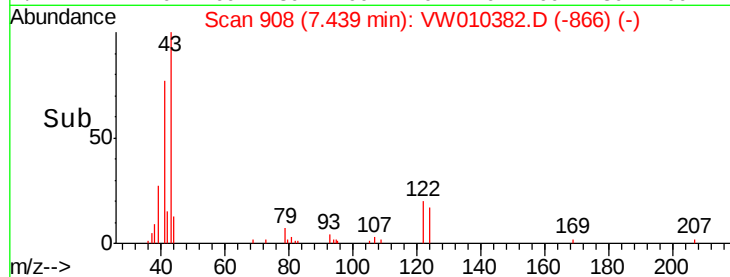
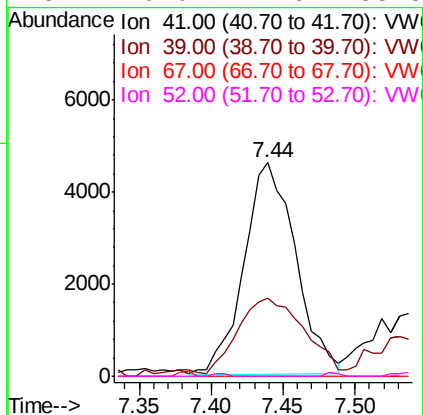
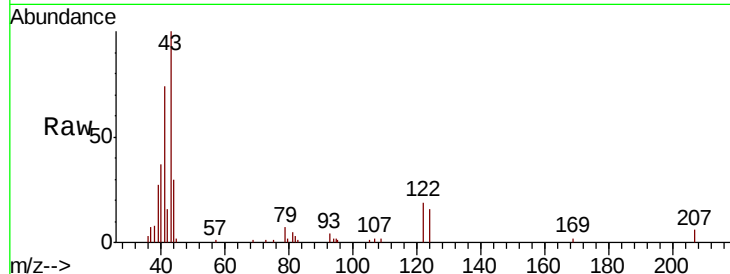




#41
Methacrylonitrile
Concen: 2.607 ug/l
RT: 7.44 min Scan# 908
Delta R.T. -0.04 min
Lab File: VW010382.D
Acq: 11 May 2019 15:41

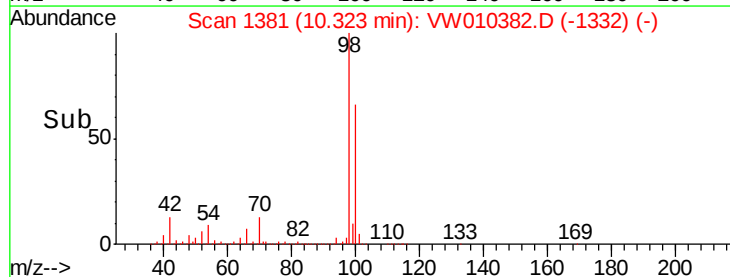
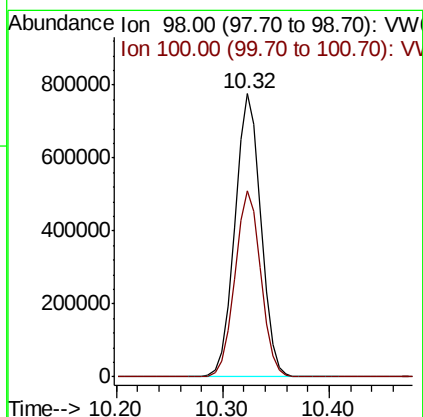
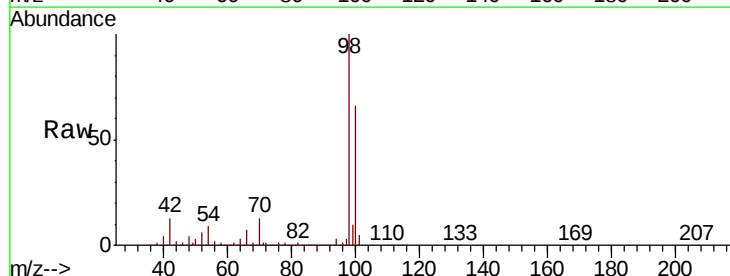
Instrument :
MSVOA_W
ClientSampleId :

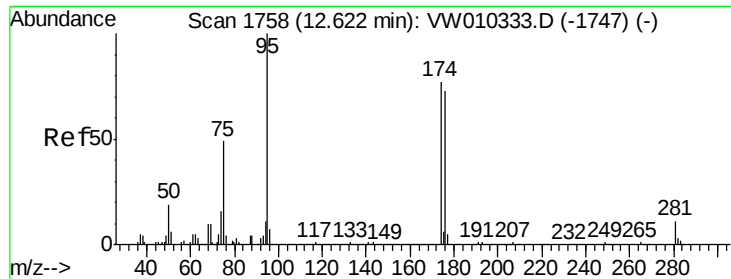
Tot Ion	Ratio	Lower	Upper
41	100		
39	48.3	45.0	67.4
67	0.0	50.7	76.1#
52	0.0	22.6	33.8#



#50
Toluene-d8
Concen: 41.303 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010382.D
Acq: 11 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5





#62

4-Bromofluorobenzene

Concen: 28.495 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010382.D

Acq: 11 May 2019 15:41

Instrument :

MSVOA_W

ClientSampled :

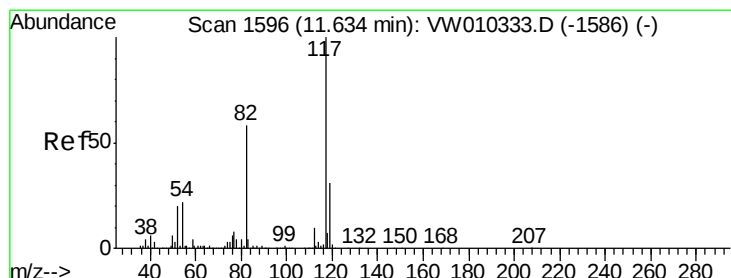
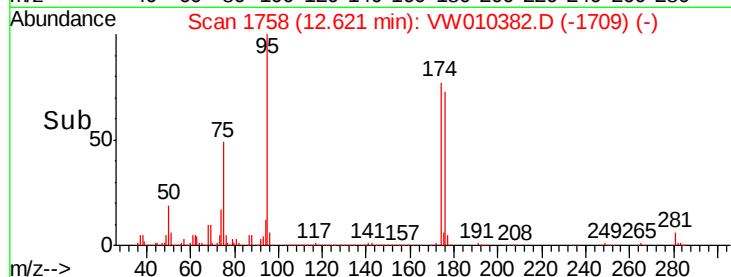
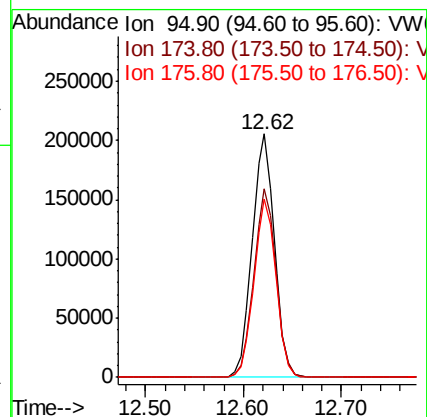
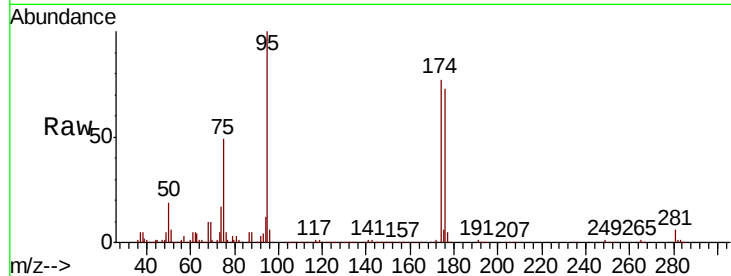
Tot Ion: 95 Resp: 323928

Ion Ratio Lower Upper

95 100

174 77.0 0.0 151.4

176 72.8 0.0 146.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010382.D

Acq: 11 May 2019 15:41

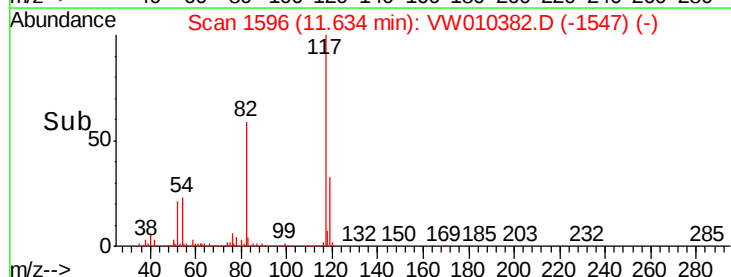
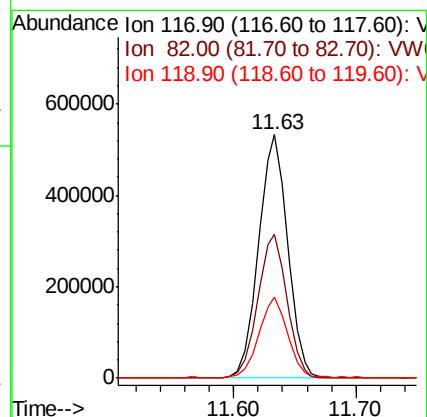
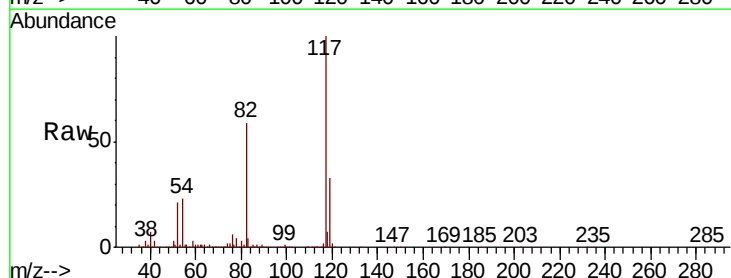
Tgt Ion: 117 Resp: 884736

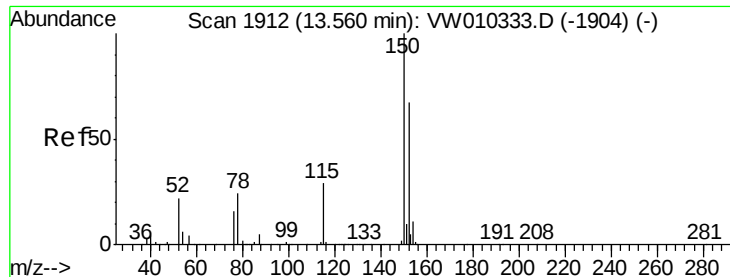
Ion Ratio Lower Upper

117 100

82 59.0 45.2 67.8

119 33.0 25.4 38.2



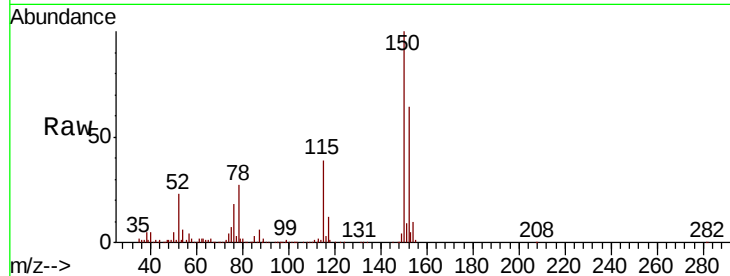


#72

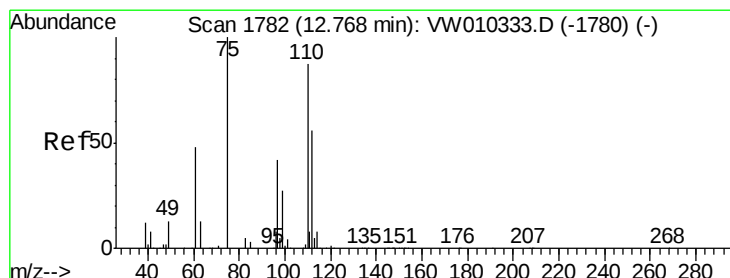
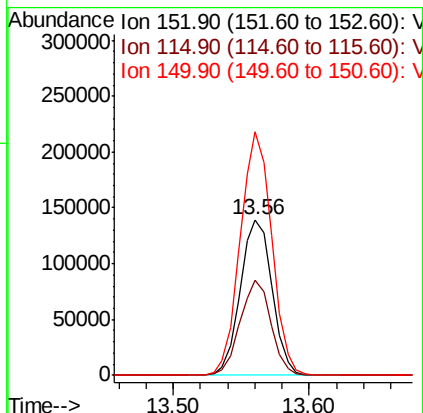
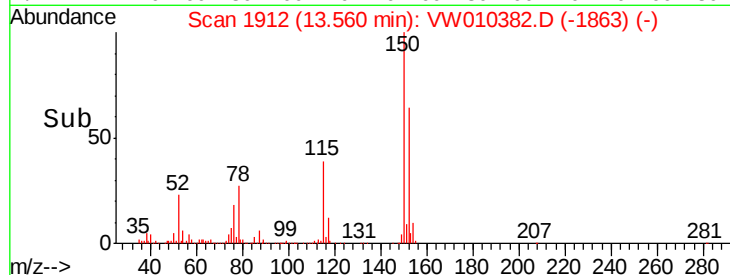
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010382.D
Acq: 11 May 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.4	91.2
150	155.1	0.0	347.0



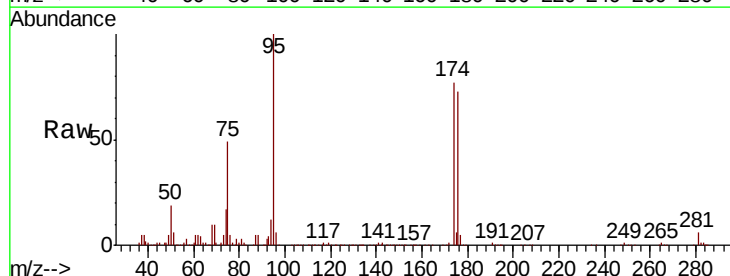
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



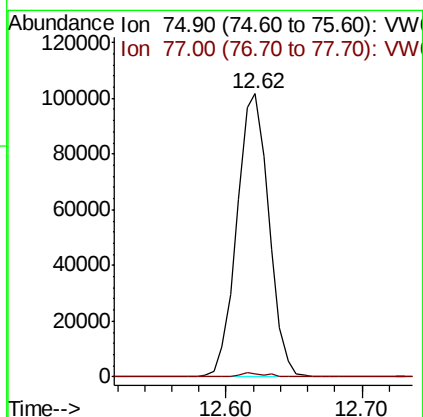
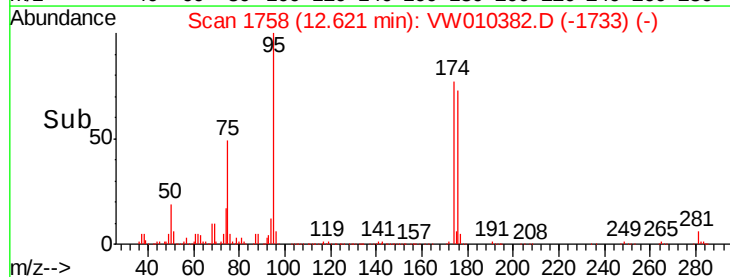
#76

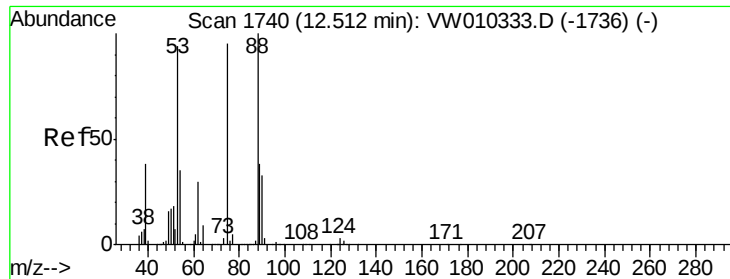
1,2,3-Trichloropropane
Concen: 62.880 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010382.D
Acq: 11 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

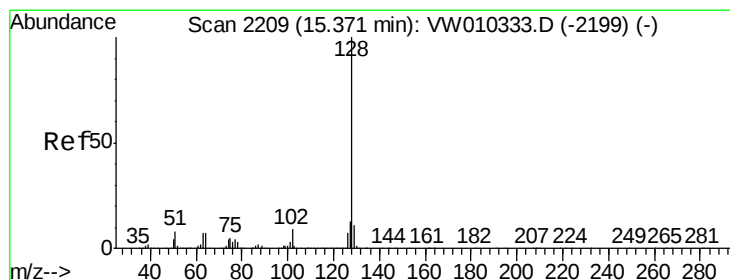
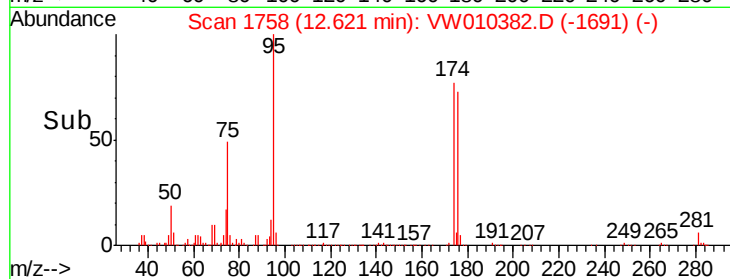
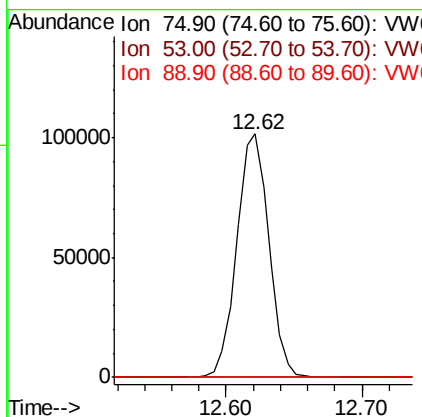
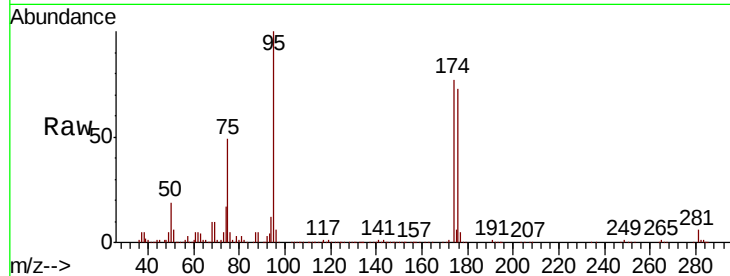




#81
trans-1,4-Dichloro-2-butene
Concen: 142.002 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010382.D
Acq: 11 May 2019 15:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 167088
Ion Ratio Lower Upper
75 100
53 0.5 89.8 134.8#
89 0.0 36.6 54.8#



#95
Naphthalene
Concen: 4.020 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW010382.D
Acq: 11 May 2019 15:41

Tgt Ion: 128 Resp: 4740
Ion Ratio Lower Upper
128 100
127 15.4 10.6 15.8
129 15.1 8.7 13.1#

