

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010390.D
 Acq On : 11 May 2019 19:28
 Operator : SY/VA
 Sample : K2719-01
 Misc : 3.55G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:28:50 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

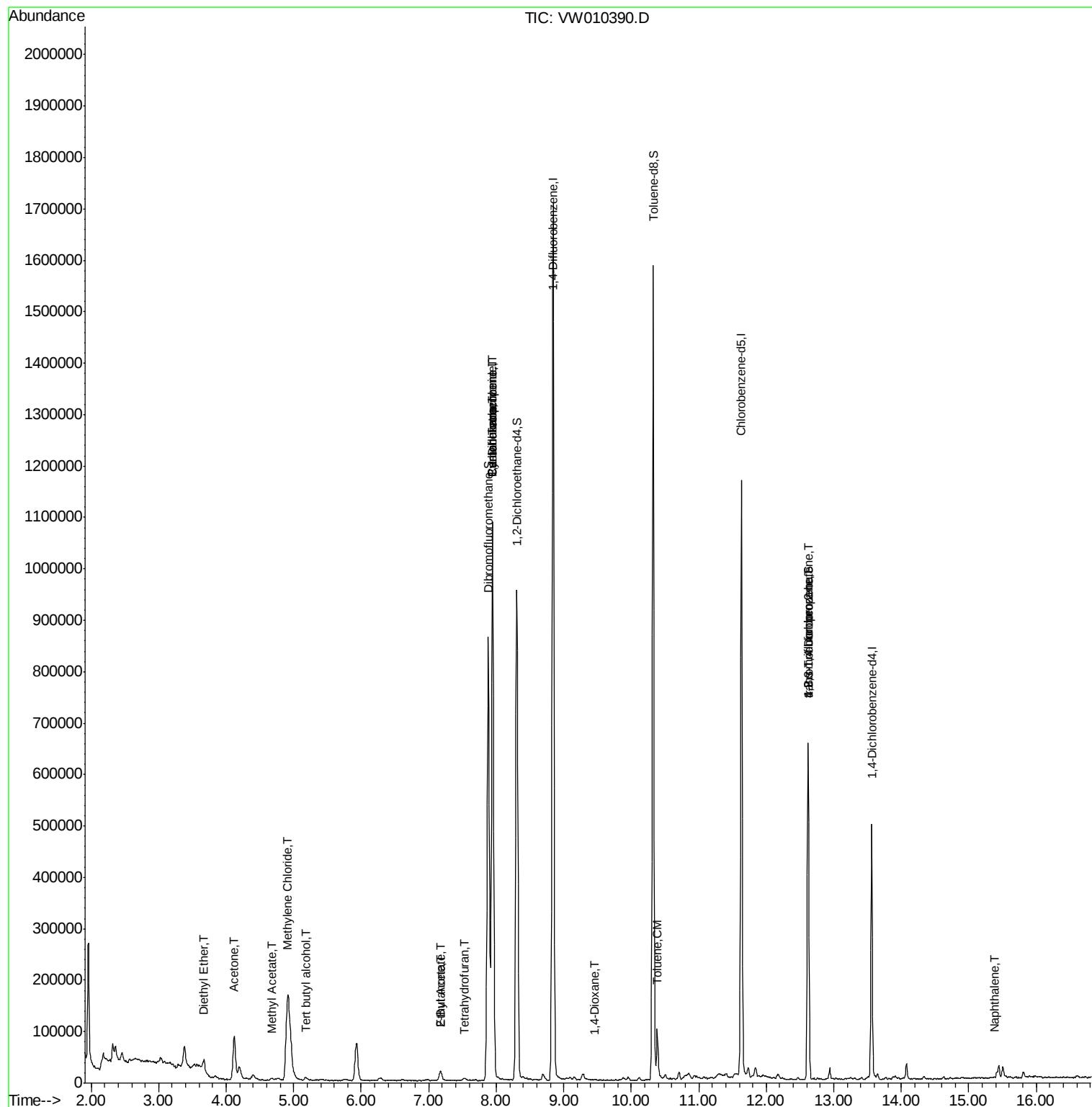
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	771107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1355601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	639388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	125607	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	745604	90.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.90%	
35) Dibromofluoromethane	7.88	113	618650	77.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.98%	
50) Toluene-d8	10.32	98	1015296	31.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.86%	
62) 4-Bromofluorobenzene	12.62	95	203930	17.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.86%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	14099	3.266	ug/l	98
11) Tert butyl alcohol	5.18	59	8279	14.300	ug/l #	83
16) Acetone	4.12	43	152431	71.325	ug/l	94
18) Methyl Acetate	4.68	43	8546	1.614	ug/l #	90
20) Methylene Chloride	4.91	84	159407	17.883	ug/l	96
25) 2-Butanone	7.17	43	20379	6.233	ug/l #	89
29) Tetrahydrofuran	7.53	42	2570	1.215	ug/l #	58
31) Cyclohexane	7.95	56	19420	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	68171	4.638	ug/l #	50
37) Ethyl Acetate	7.17	43	20379	2.604	ug/l #	82
38) Carbon Tetrachloride	7.95	117	77167	6.125	ug/l #	18
49) 1,4-Dioxane	9.45	88	118	1.309	ug/l #	1
52) Toluene	10.38	92	38974	1.584	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	106510	72.729	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	106510	164.245	ug/l #	6
95) Naphthalene	15.38	128	1174	3.786	ug/l #	82

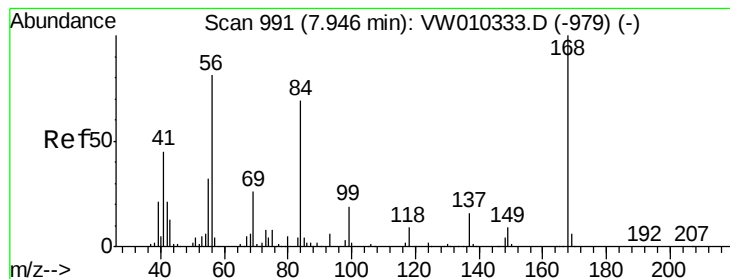
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010390.D

Acq: 11 May 2019 19:28

Instrument :

MSVOA_W

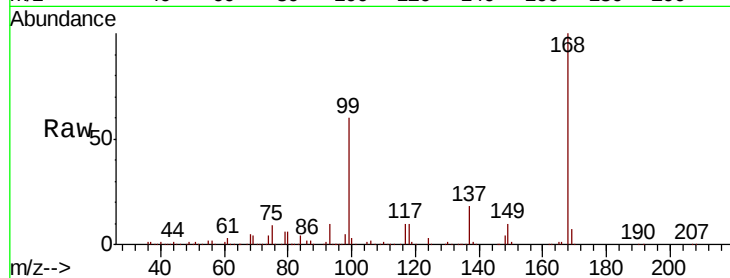
ClientSampleId :

Tot Ion:168 Resp: 771107

Ion Ratio Lower Upper

168 100

99 60.2 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

400000

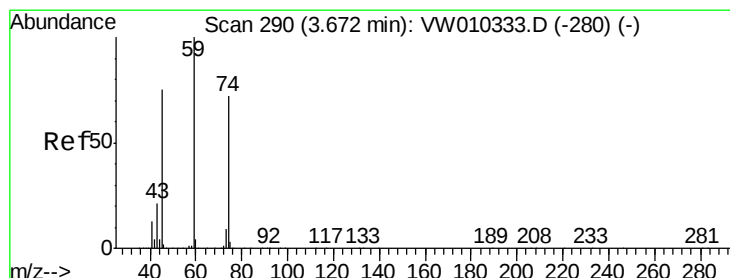
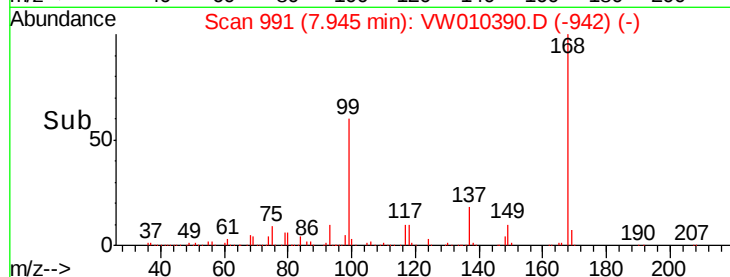
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 3.266 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW010390.D

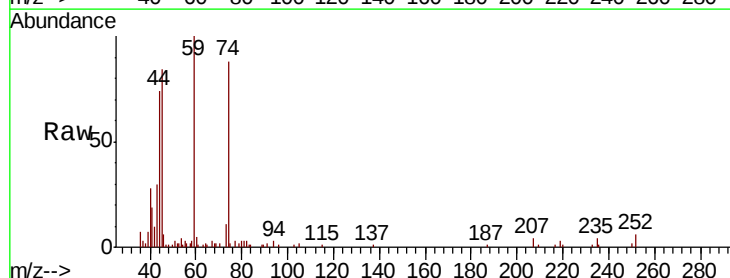
Acq: 11 May 2019 19:28

Tgt Ion: 74 Resp: 14099

Ion Ratio Lower Upper

74 100

45 109.8 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

8000

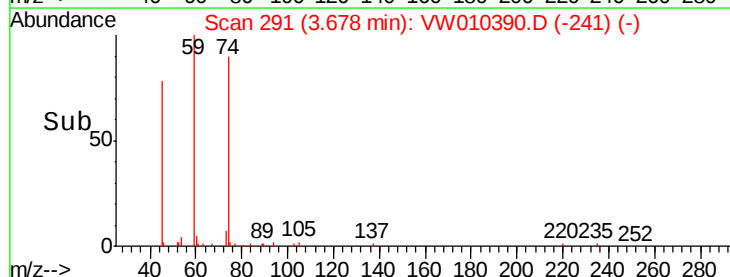
6000

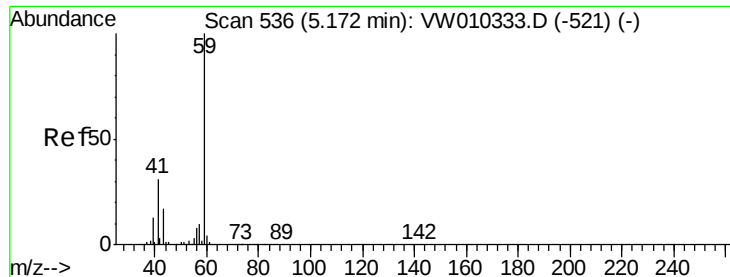
4000

2000

0

Time--> 3.55 3.60 3.65 3.70 3.75



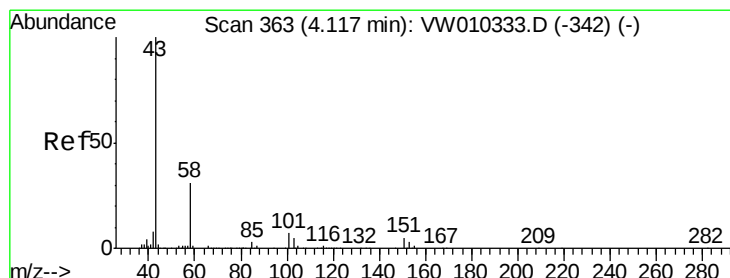
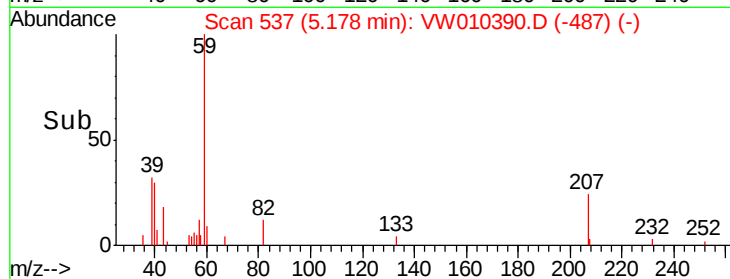
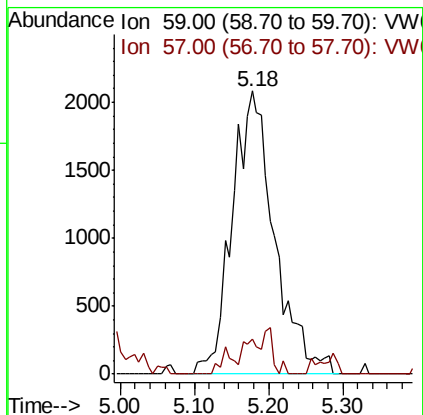
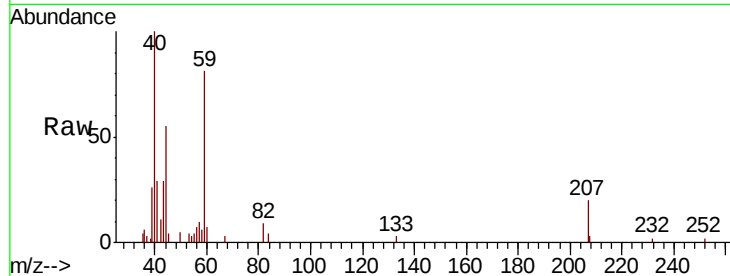


#11

Tert butyl alcohol
 Concen: 14.300 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010390.D
 Acq: 11 May 2019 19:28

Instrument :
 MSVOA_W
 ClientSampled :

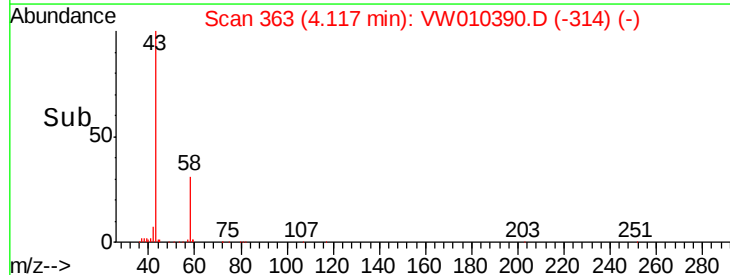
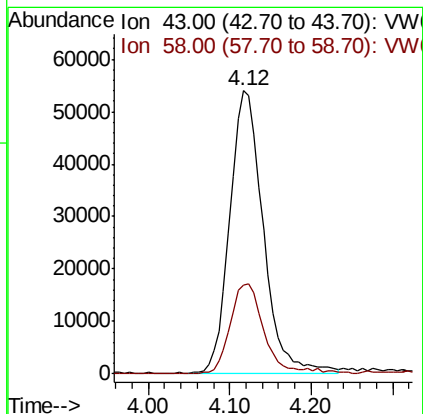
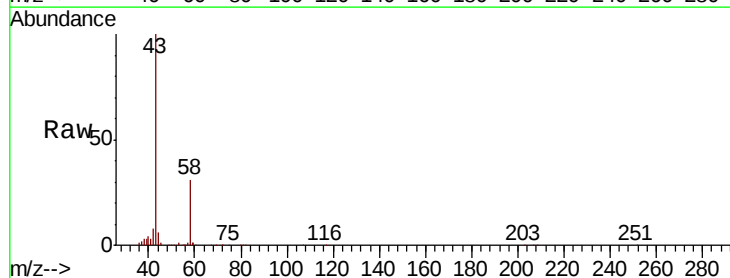
Tot Ion: 59 Resp: 8279
 Ion Ratio Lower Upper
 59 100
 57 4.9 9.0 13.4#

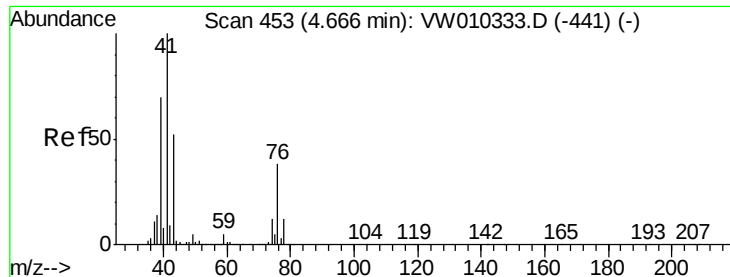


#16

Acetone
 Concen: 71.325 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW010390.D
 Acq: 11 May 2019 19:28

Tgt Ion: 43 Resp: 152431
 Ion Ratio Lower Upper
 43 100
 58 31.4 22.7 34.1

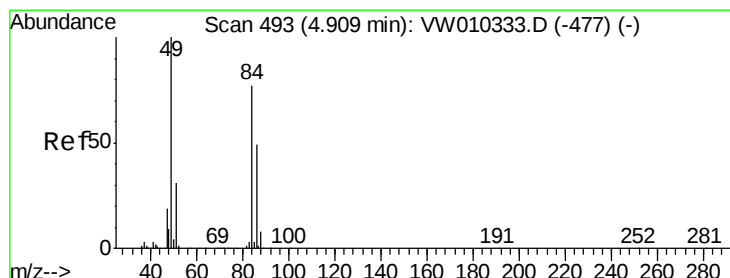
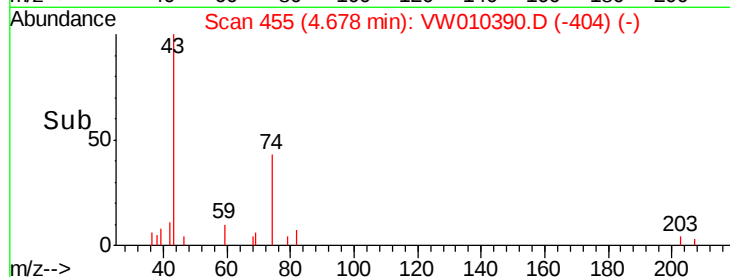
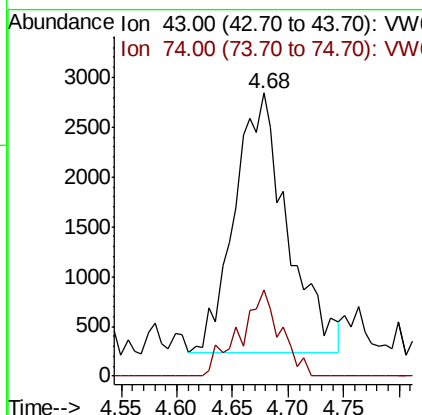
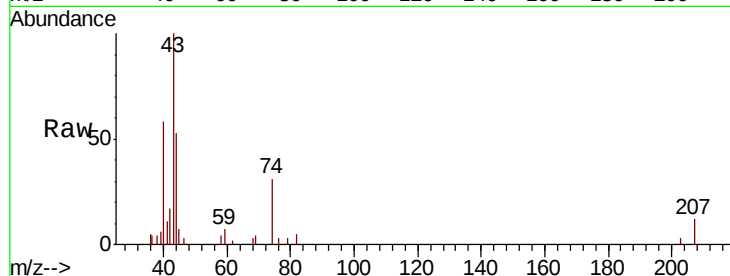




#18
Methyl Acetate
Concen: 1.614 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010390.D
Acq: 11 May 2019 19:28

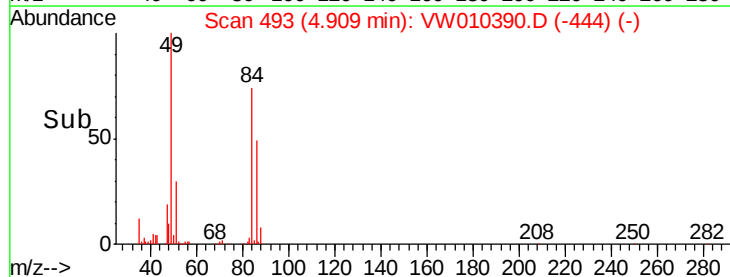
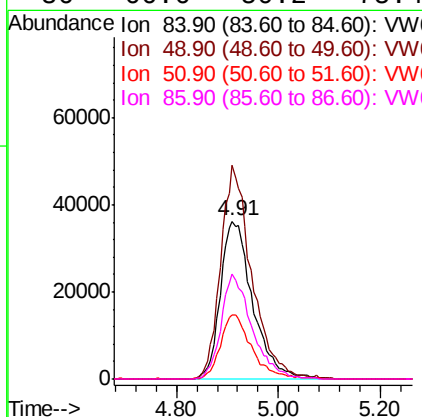
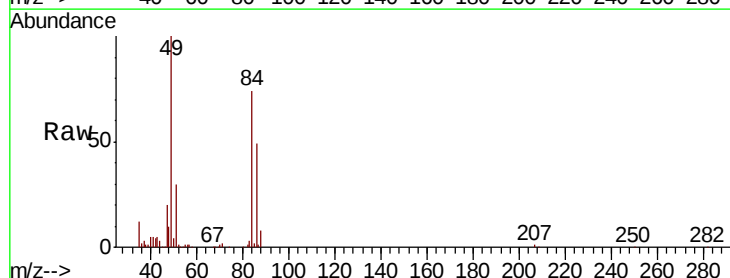
Instrument :
MSVOA_W
ClientSampleId :

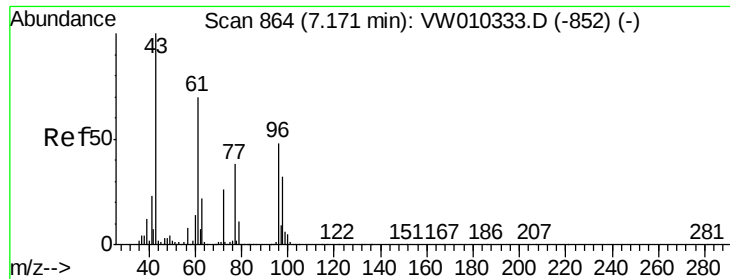
Tot Ion: 43 Resp: 8546
Ion Ratio Lower Upper
43 100
74 25.8 16.8 25.2#



#20
Methylene Chloride
Concen: 17.883 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010390.D
Acq: 11 May 2019 19:28

Tgt Ion: 84 Resp: 159407
Ion Ratio Lower Upper
84 100
49 135.3 112.3 168.5
51 40.3 33.9 50.9
86 66.6 50.2 75.4





#25

2-Butanone

Concen: 6.233 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010390.D

Acq: 11 May 2019 19:28

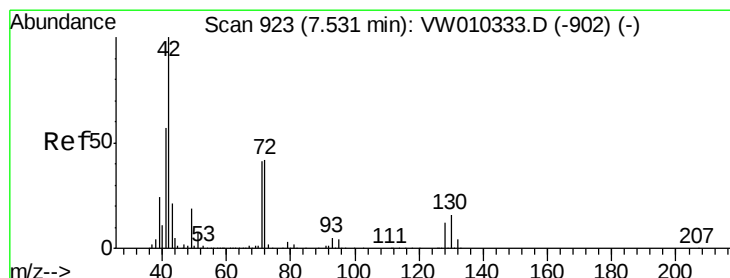
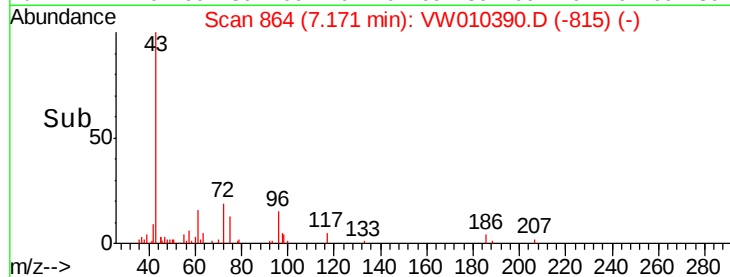
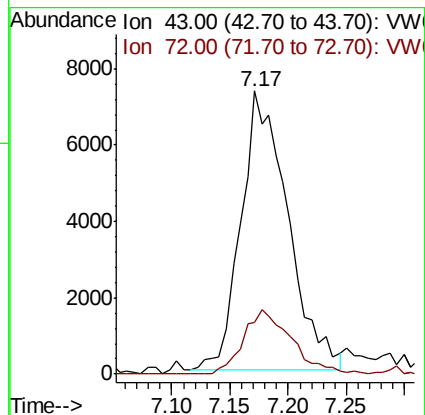
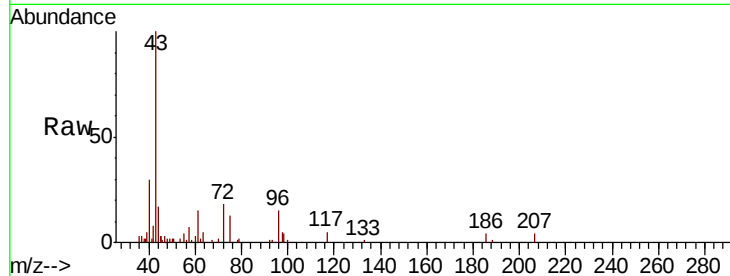
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 20379

Ion Ratio Lower Upper

43 100

72 18.6 19.1 28.7#



#29

Tetrahydrofuran

Concen: 1.215 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010390.D

Acq: 11 May 2019 19:28

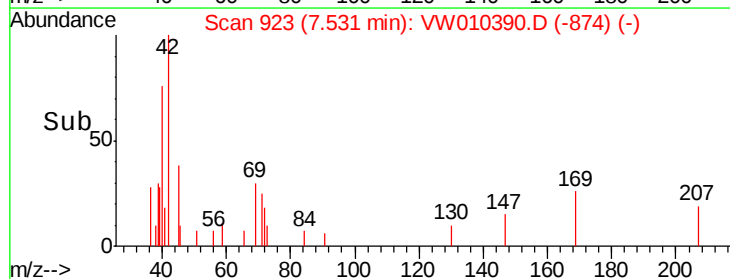
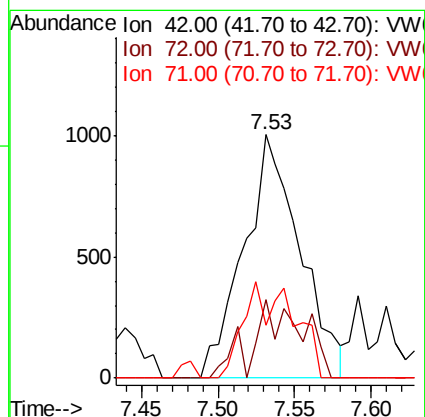
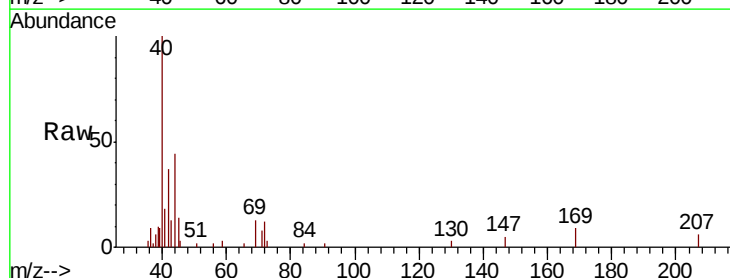
Tgt Ion: 42 Resp: 2570

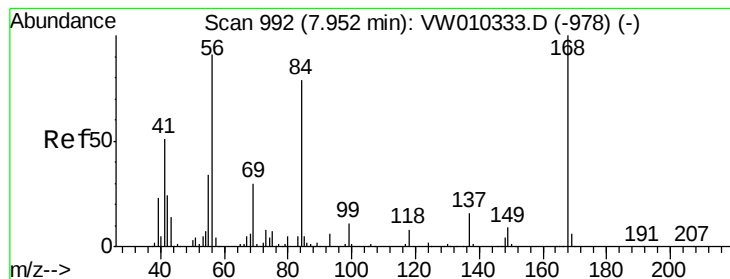
Ion Ratio Lower Upper

42 100

72 8.9 31.0 46.6#

71 16.0 29.7 44.5#





#31

Cyclohexane

Concen: 1.156 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010390.D

Acq: 11 May 2019 19:28

Instrument :

MSVOA_W

ClientSampled :

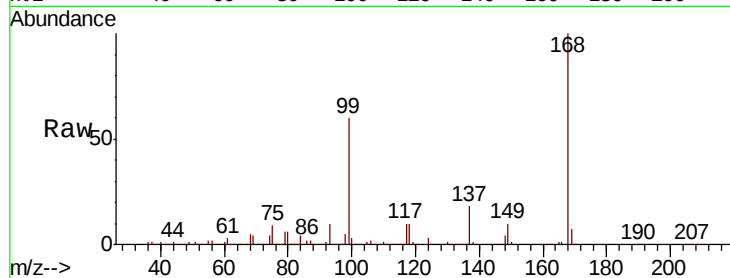
Tot Ion: 56 Resp: 19420

Ion Ratio Lower Upper

56 100

69 180.5 26.6 40.0#

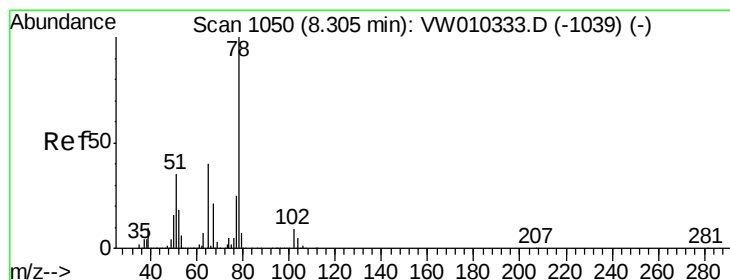
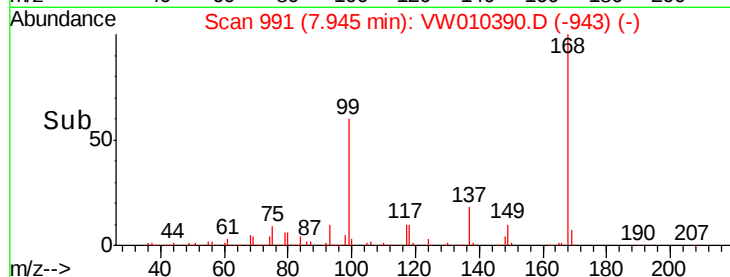
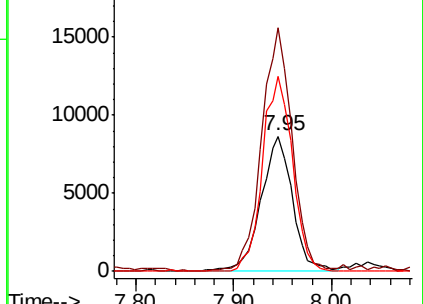
84 144.4 66.2 99.2#



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: 90.951 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010390.D

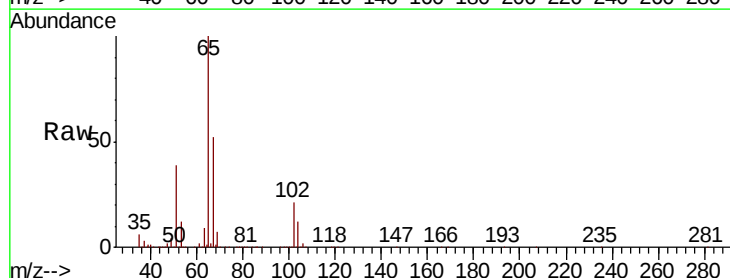
Acq: 11 May 2019 19:28

Tgt Ion: 65 Resp: 745604

Ion Ratio Lower Upper

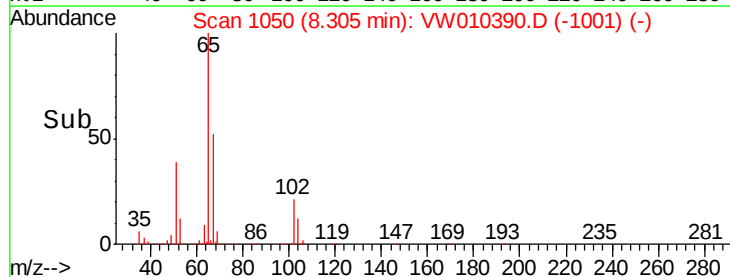
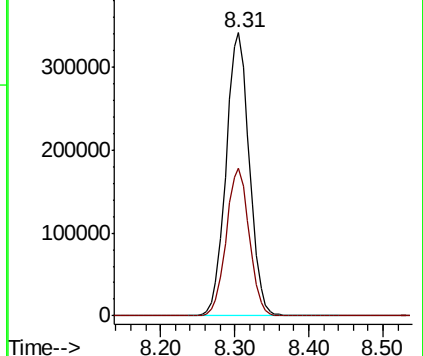
65 100

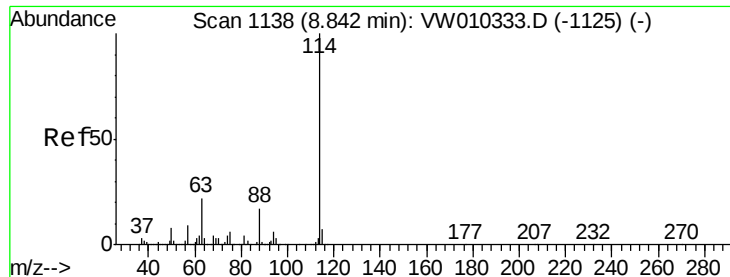
67 51.7 0.0 100.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

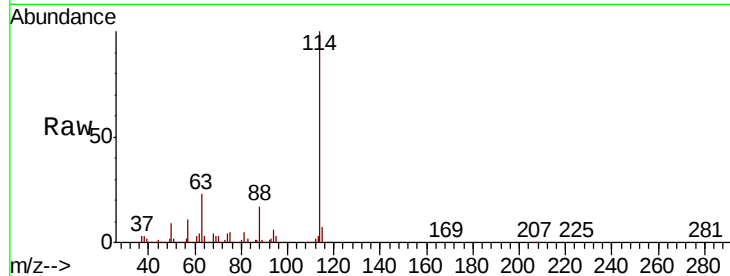




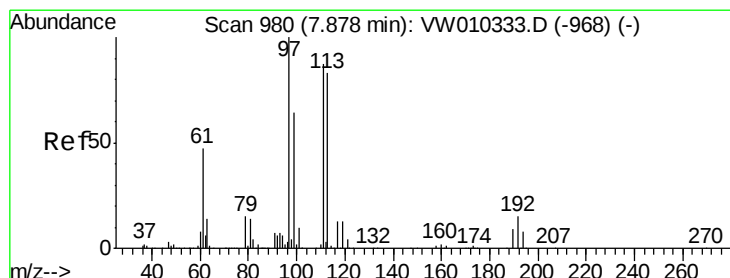
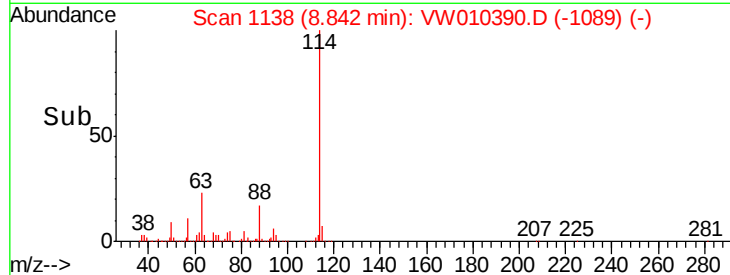
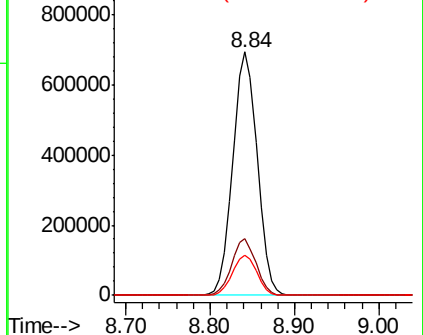
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010390.D
 Acq: 11 May 2019 19:28

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 1355601
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 46.2
 88 16.7 0.0 32.6

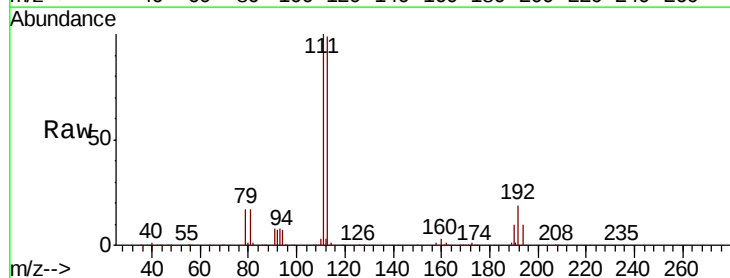


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

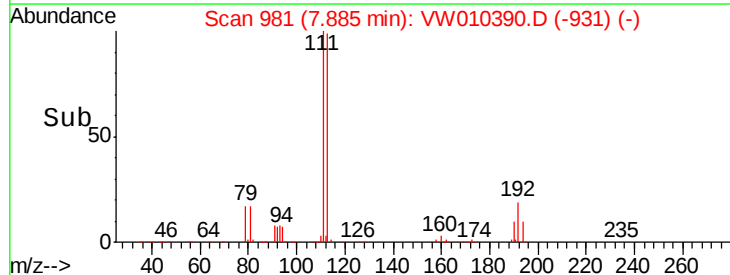
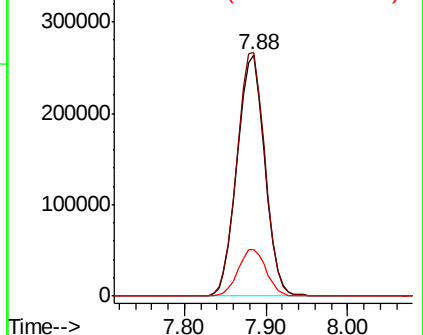


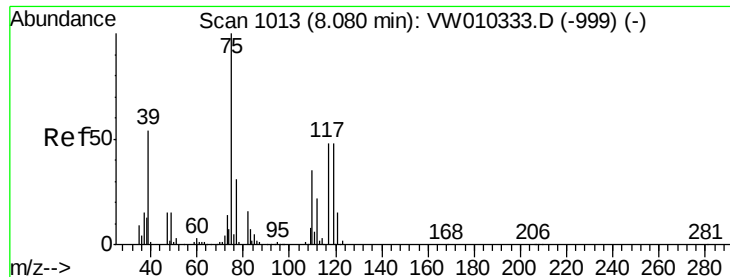
#35
 Dibromofluoromethane
 Concen: 77.986 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010390.D
 Acq: 11 May 2019 19:28

Tgt Ion:113 Resp: 618650
 Ion Ratio Lower Upper
 113 100
 111 102.6 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

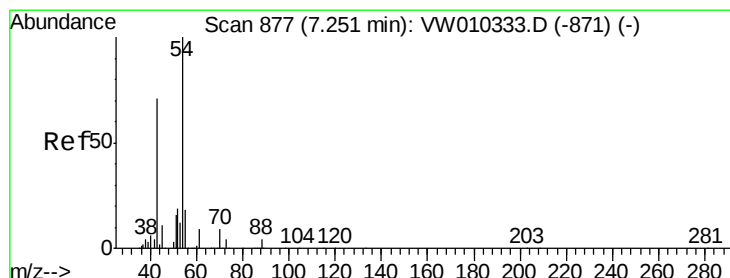
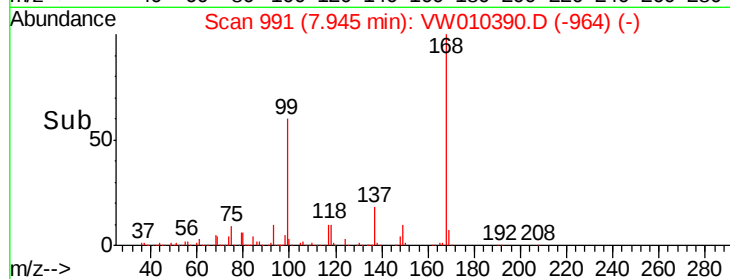
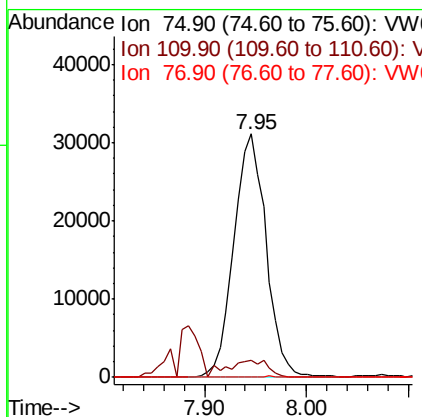
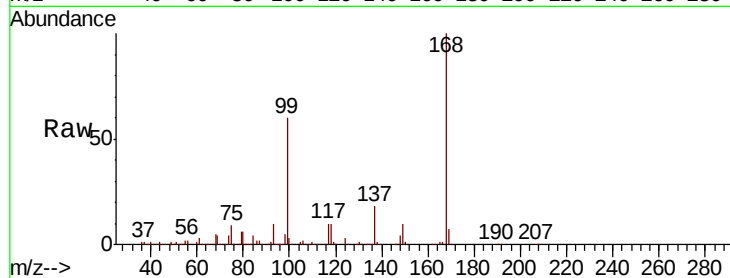




#36
 1,1-Dichloropropene
 Concen: 4.638 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010390.D
 Acq: 11 May 2019 19:28

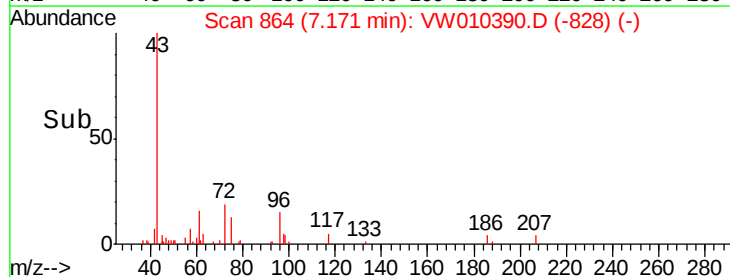
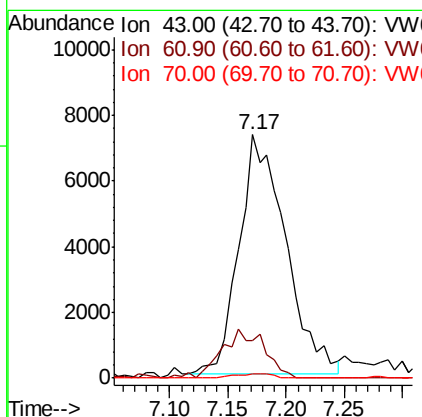
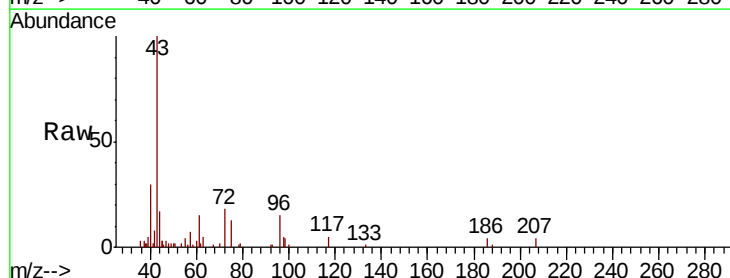
Instrument :
 MSVOA_W
 ClientSampleId :

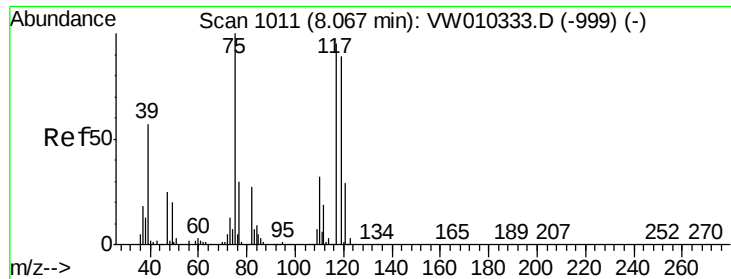
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	16.6	49.8#
77	0.1	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 2.604 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW010390.D
 Acq: 11 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.7	9.8	14.8#
70	1.5	7.4	11.0#





#38

Carbon Tetrachloride

Concen: 6.125 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010390.D

Acq: 11 May 2019 19:28

Instrument :

MSVOA_W

ClientSampleId :

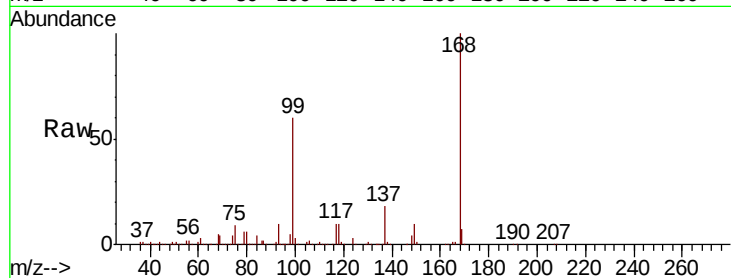
Tot Ion:117 Resp: 77167

Ion Ratio Lower Upper

117 100

119 6.7 75.3 112.9#

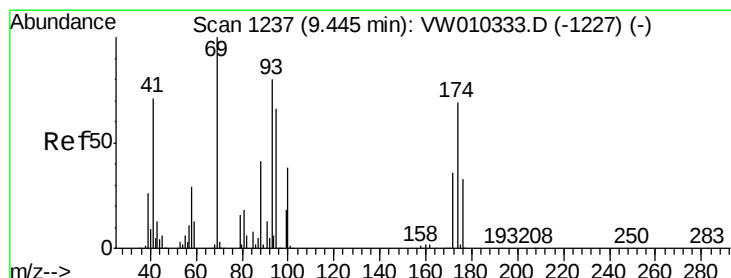
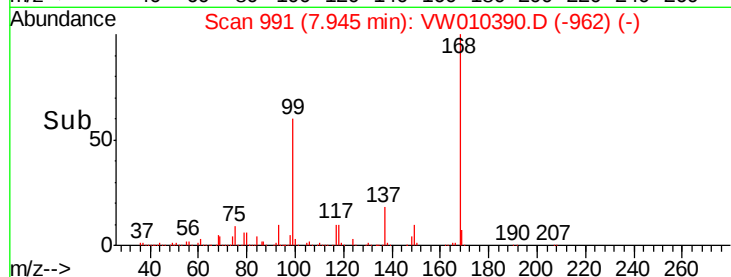
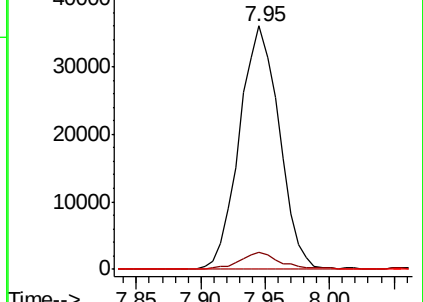
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 1.309 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010390.D

Acq: 11 May 2019 19:28

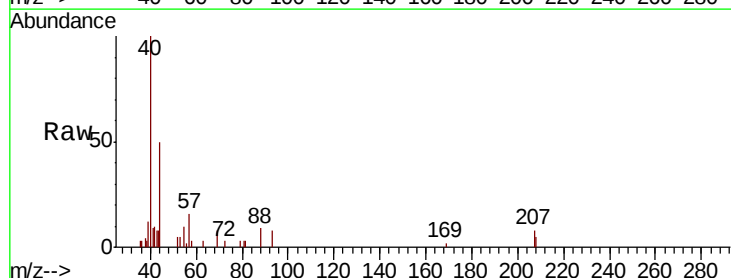
Tgt Ion: 88 Resp: 118

Ion Ratio Lower Upper

88 100

43 469.5 31.9 47.9#

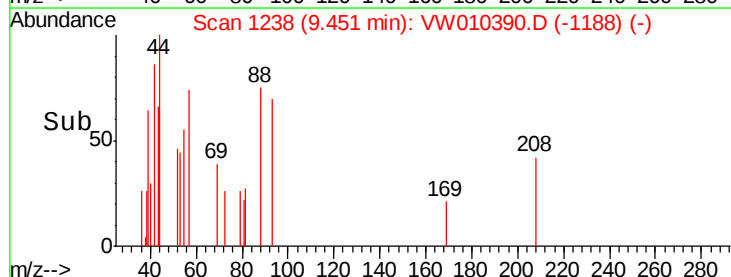
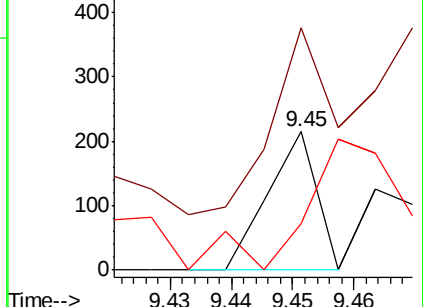
58 226.3 61.8 92.6#

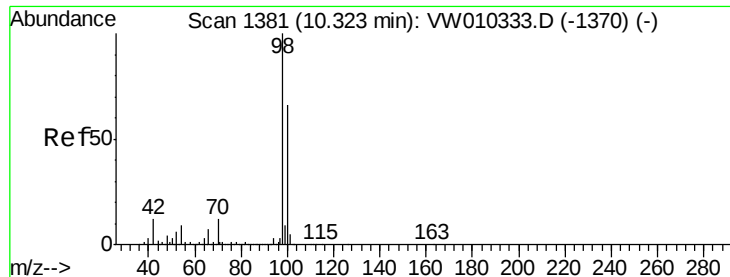


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 31.431 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010390.D

Acq: 11 May 2019 19:28

Instrument :

MSVOA_W

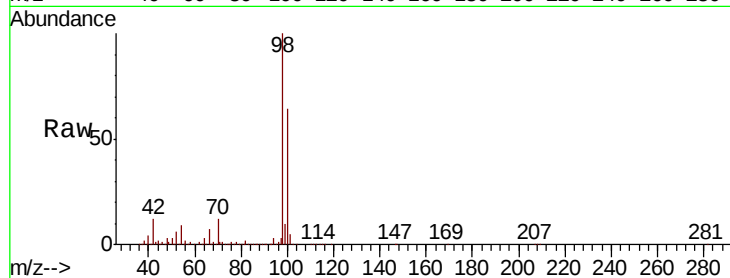
ClientSampleId :

Tot Ion: 98 Resp: 1015296

Ion Ratio Lower Upper

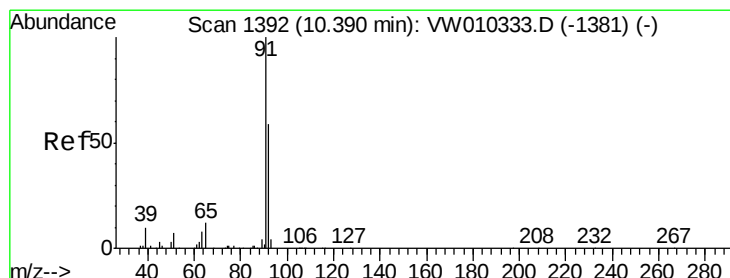
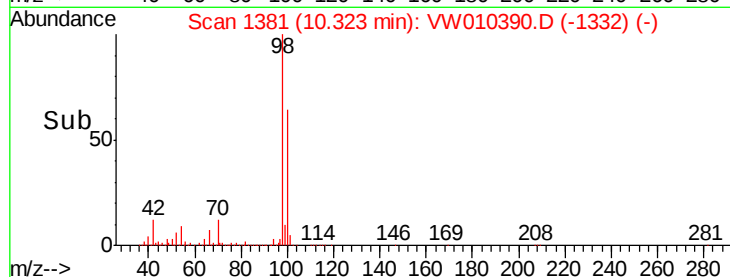
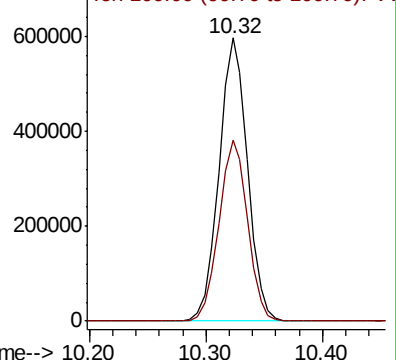
98 100

100 64.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.584 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010390.D

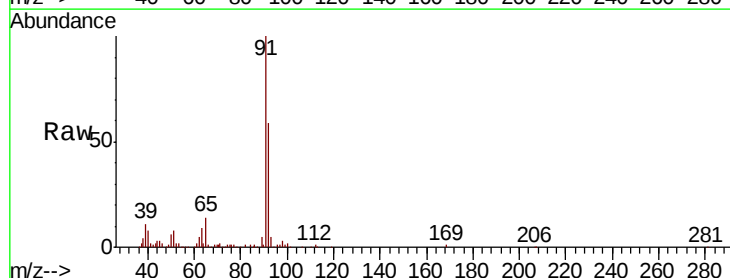
Acq: 11 May 2019 19:28

Tgt Ion: 92 Resp: 38974

Ion Ratio Lower Upper

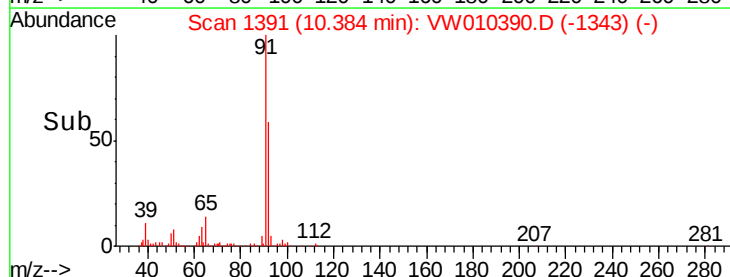
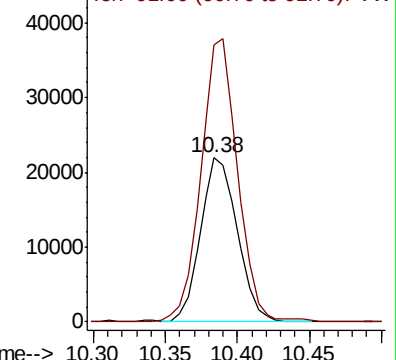
92 100

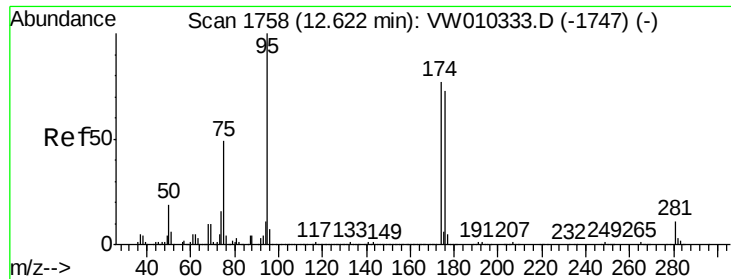
91 172.5 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

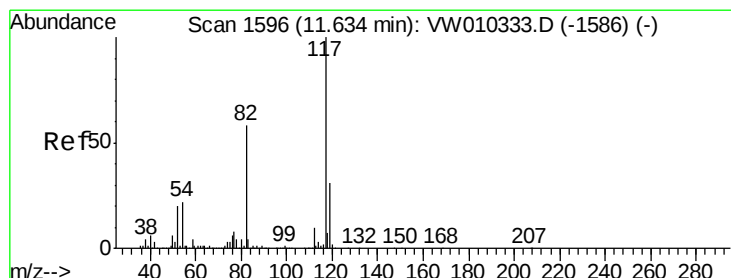
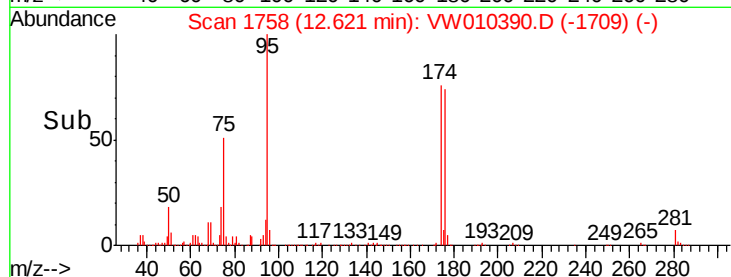
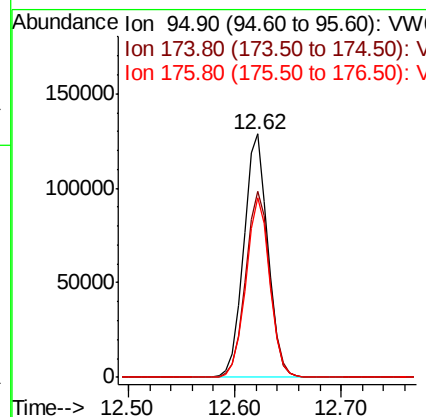
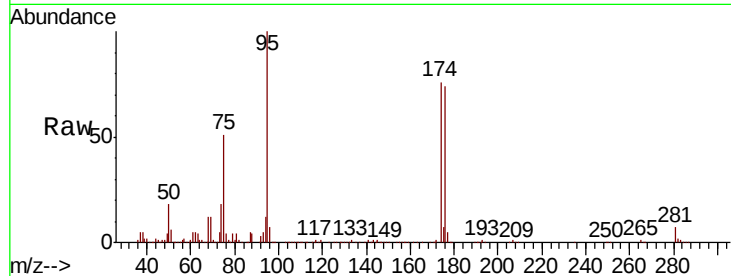




#62
4-Bromofluorobenzene
Concen: 17.935 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010390.D
Acq: 11 May 2019 19:28

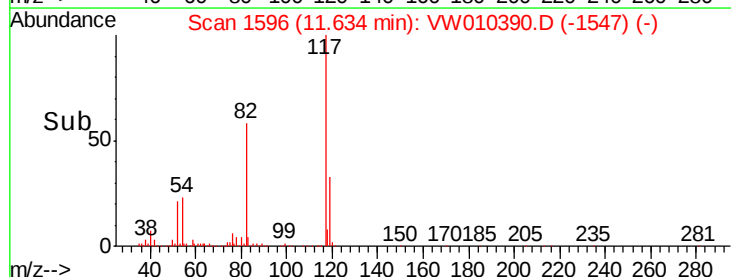
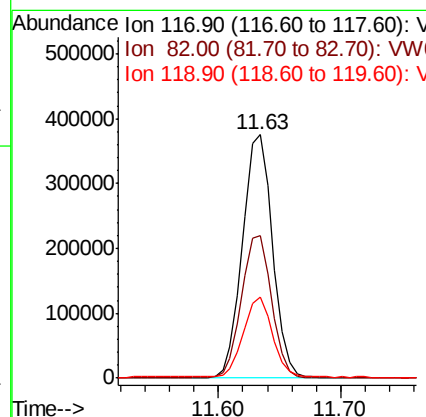
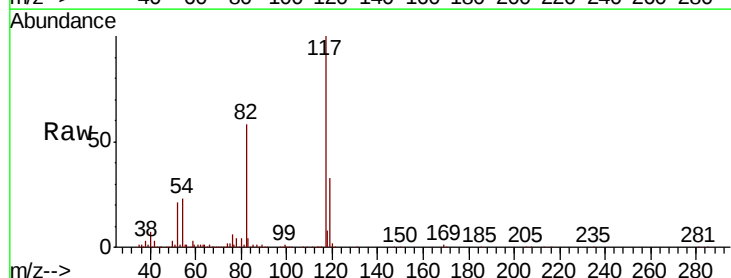
Instrument :
MSVOA_W
ClientSampleId :

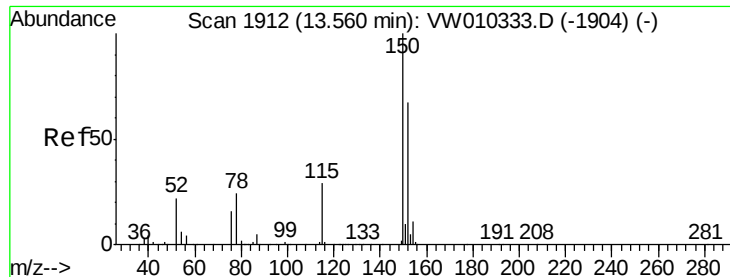
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	151.4
176	73.3	0.0	146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010390.D
Acq: 11 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.5	45.2	67.8
119	32.6	25.4	38.2



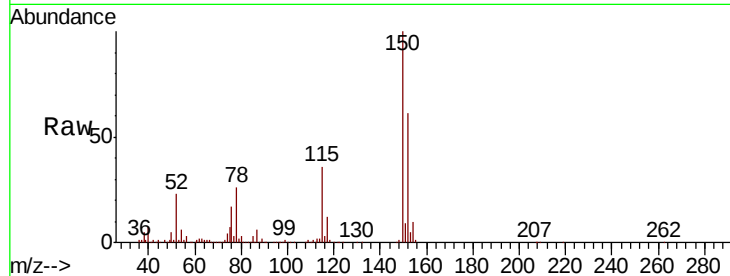


#72

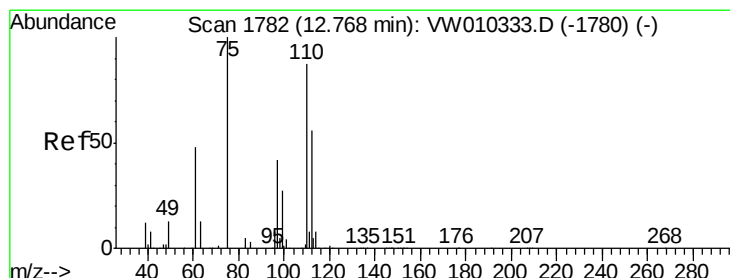
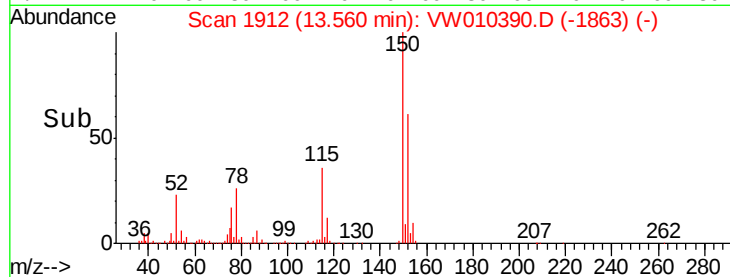
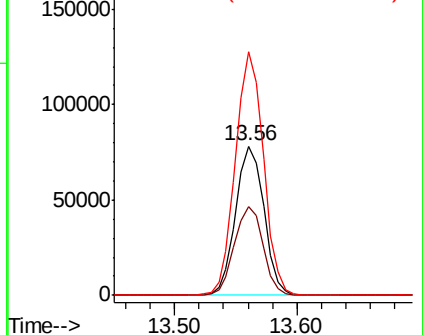
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010390.D
Acq: 11 May 2019 19:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.4	91.2
150	161.6	0.0	347.0



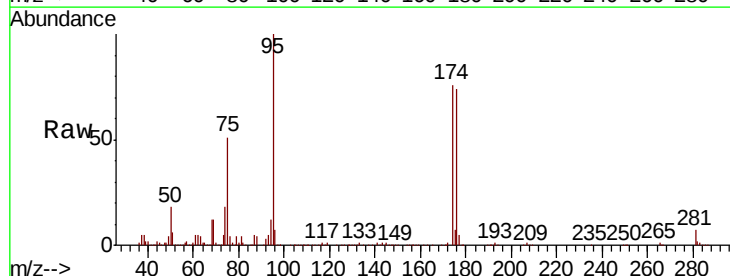
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



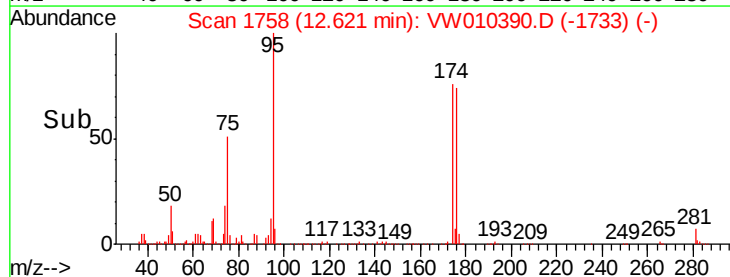
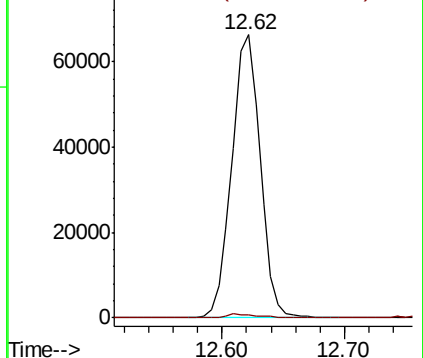
#76

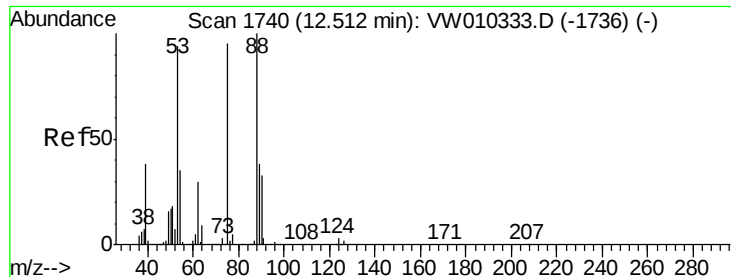
1,2,3-Trichloropropane
Concen: 72.729 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010390.D
Acq: 11 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0#



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

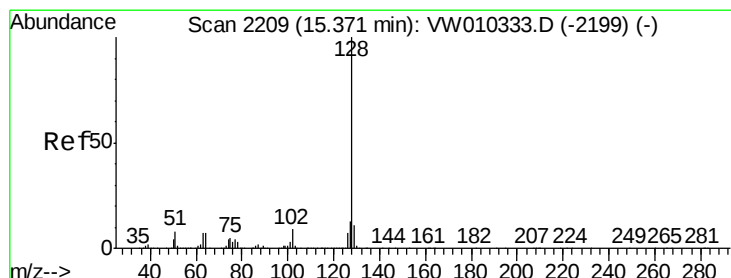
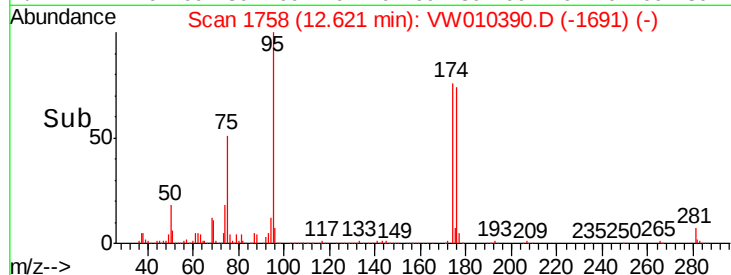
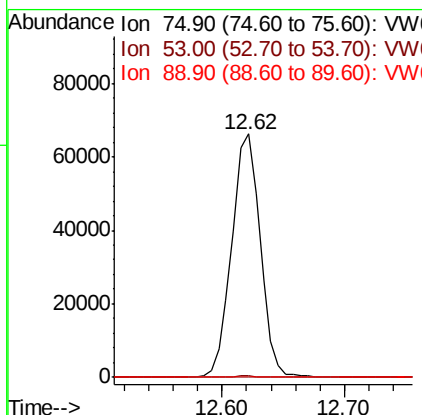
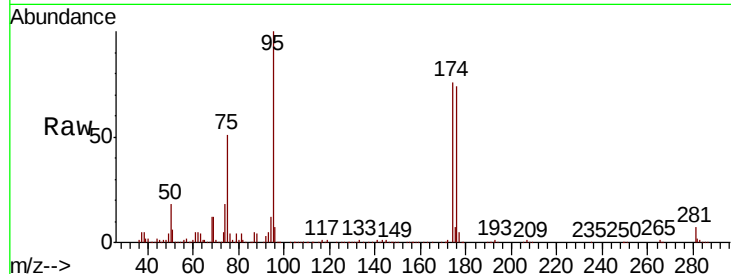




#81
trans-1,4-Dichloro-2-butene
Concen: 164.245 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010390.D
Acq: 11 May 2019 19:28

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 106510
Ion Ratio Lower Upper
75 100
53 0.7 89.8 134.8#
89 0.0 36.6 54.8#



#95
Naphthalene
Concen: 3.786 ug/l
RT: 15.38 min Scan# 2211
Delta R.T. 0.01 min
Lab File: VW010390.D
Acq: 11 May 2019 19:28

Tgt Ion: 128 Resp: 1174
Ion Ratio Lower Upper
128 100
127 1.7 10.6 15.8#
129 8.9 8.7 13.1

