

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010338.D
 Acq On : 09 May 2019 15:55
 Operator : SY/VA
 Sample : K2551-22
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 10 02:21:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:55:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1423814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2429442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2120743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1021596	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	757108	50.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.04%	
35) Dibromofluoromethane	7.88	113	684559	48.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.30%	
50) Toluene-d8	10.32	98	2869141	49.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.62	95	963436	47.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	18020	16.857	ug/l #	71
13) Acrolein	3.83	56	30725	21.770	ug/l #	1
14) Allyl chloride	4.91	41	56886	2.455	ug/l #	21
15) Acrylonitrile	5.42	53	9968	2.256	ug/l #	16
16) Acetone	4.12	43	1721694	436.300	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	565959	30.622	ug/l	97
20) Methylene Chloride	4.91	84	1797737	109.225	ug/l	95
22) Diisopropyl ether	6.31	45	5604775	124.611	ug/l	90
23) Vinyl Acetate	6.31	43	2690882	87.128	ug/l #	76
24) 1,1-Dichloroethane	6.21	63	5076786	167.648	ug/l	99
25) 2-Butanone	7.17	43	1650420	273.393	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	1080341	62.859	ug/l	90
31) Cyclohexane	7.94	56	31483	1.015	ug/l #	1
32) 1,1,1-Trichloroethane	7.86	97	26732	1.218	ug/l #	54
36) 1,1-Dichloropropene	7.95	75	116608	4.427	ug/l #	50
37) Ethyl Acetate	7.17	43	1650420	117.674	ug/l #	1
38) Carbon Tetrachloride	8.06	117	2952062	130.735	ug/l	99
40) Benzene	8.32	78	2419900	33.544	ug/l	99
42) 1,2-Dichloroethane	8.40	62	2313325	112.028	ug/l	97
43) Isopropyl Acetate	8.50	43	1549148	66.600	ug/l #	17
44) Trichloroethene	9.09	130	1952900	108.131	ug/l	99
45) 1,2-Dichloropropane	9.37	63	3212336	179.139	ug/l	98
46) Dibromomethane	9.46	93	1015615	109.632	ug/l	98
48) Methyl methacrylate	9.37	41	1782898	162.108	ug/l #	47
49) 1,4-Dioxane	9.45	88	6321	39.126	ug/l #	22
51) 4-Methyl-2-Pentanone	10.21	43	2438650	182.838	ug/l	94
52) Toluene	10.38	92	8021609	181.922	ug/l	93
53) t-1,3-Dichloropropene	10.60	75	1098571	48.806	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1439947	54.017	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	1142144	86.804	ug/l	98
59) 2-Hexanone	10.97	43	749743	79.504	ug/l	93
60) Dibromochloromethane	10.86	129	1233419	87.115	ug/l #	11
61) 1,2-Dibromoethane	11.24	107	1038537	82.221	ug/l	98
64) Tetrachloroethene	10.86	164	1420216	95.815	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010338.D
 Acq On : 09 May 2019 15:55
 Operator : SY/VA
 Sample : K2551-22
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

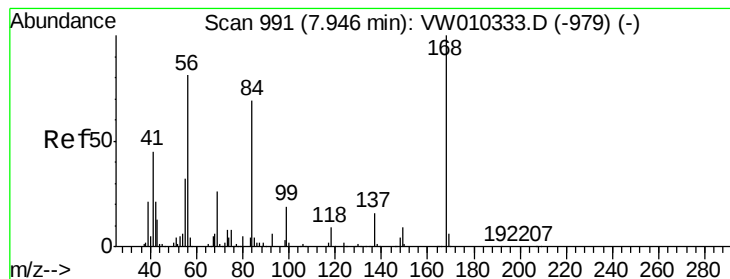
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 10 02:21:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:55:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

65) Chlorobenzene	11.66	112	5254968	119.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	2398381	161.640	ug/l	97
67) Ethyl Benzene	11.73	91	10552760	130.668	ug/l	95
68) m/p-Xylenes	11.84	106	2314282	77.127	ug/l	98
69) o-Xylene	12.16	106	2153074	79.322	ug/l	97
70) Styrene	12.17	104	111903	2.366	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.71	83	1965310	119.784	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	1282092	107.640	ug/l #	100
78) n-propylbenzene	12.94	91	385654	4.193	ug/l #	1
79) 2-Chlorotoluene	12.94	91	385654	7.363	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.94	105	3662535	58.342	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	491222	93.135	ug/l #	5
82) 4-Chlorotoluene	12.94	91	385654	7.028	ug/l #	42
83) tert-Butylbenzene	13.26	119	796860	15.218	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.26	105	6441738	103.262	ug/l	99
85) sec-Butylbenzene	13.26	105	6441738	83.336	ug/l #	57
86) p-Isopropyltoluene	13.26	119	793834	11.567	ug/l #	14
87) 1,3-Dichlorobenzene	13.50	146	6091700	181.440	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	2021834	60.682	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	3785635	127.375	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	382796	129.562	ug/l	93
93) 1,2,4-Trichlorobenzene	15.14	180	3927962	193.650	ug/l	99
95) Naphthalene	15.37	128	4171998	87.156	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

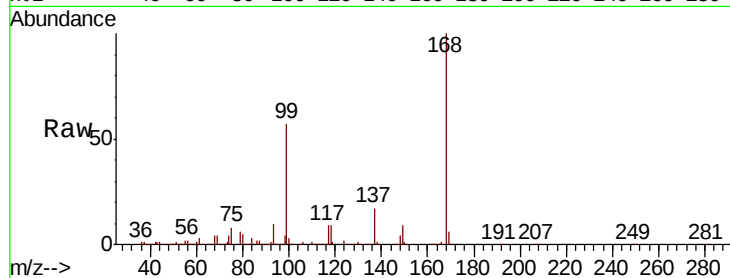
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 1423814

Ion Ratio Lower Upper

168 100

99 56.5 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

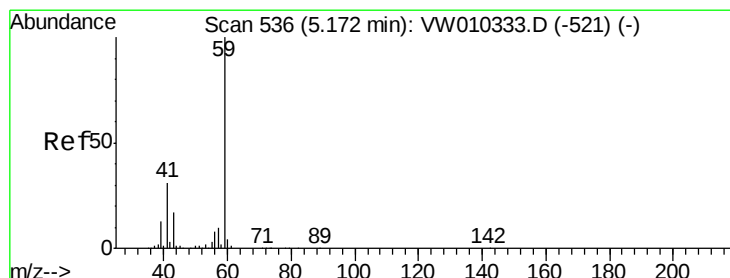
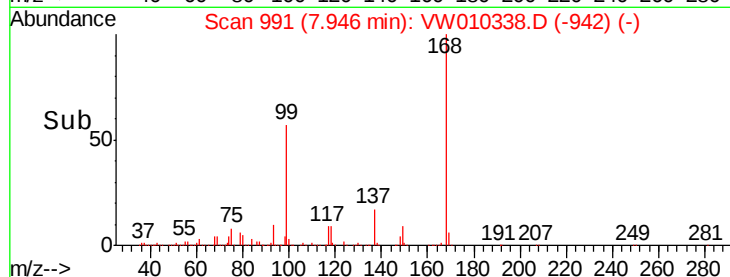
600000

400000

200000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 16.857 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010338.D

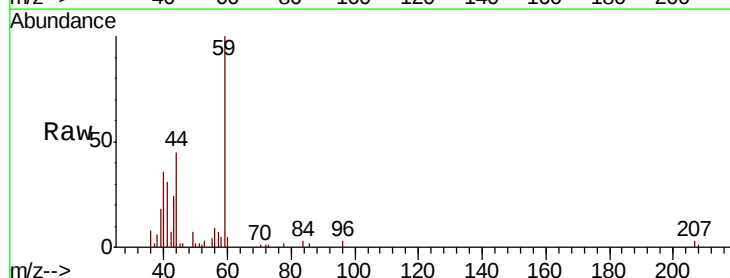
Acq: 09 May 2019 15:55

Tgt Ion: 59 Resp: 18020

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

6000

5000

4000

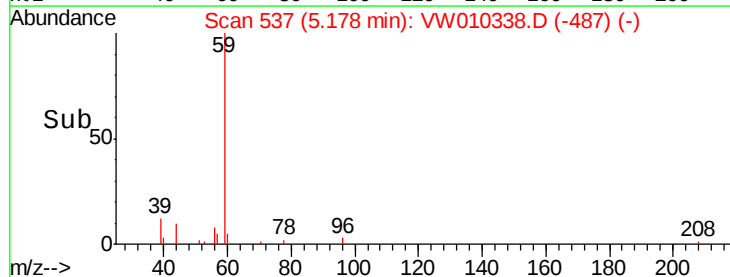
3000

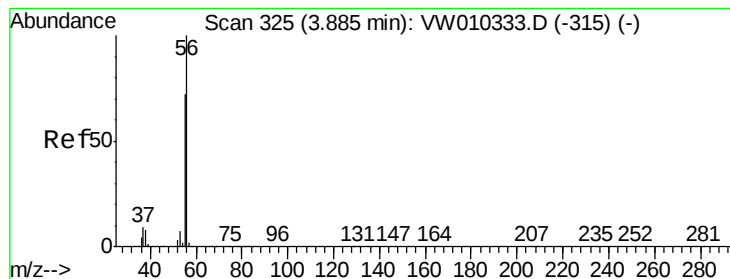
2000

1000

0

Time--> 5.00 5.10 5.20 5.30





#13

Acrolein

Concen: 21.770 ug/l

RT: 3.83 min Scan# 316

Delta R.T. -0.05 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

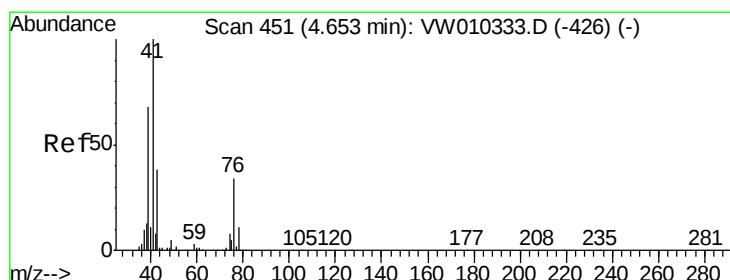
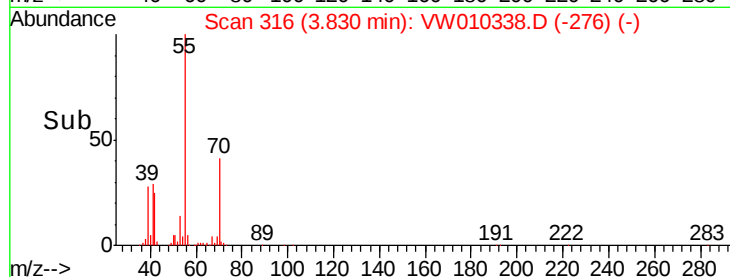
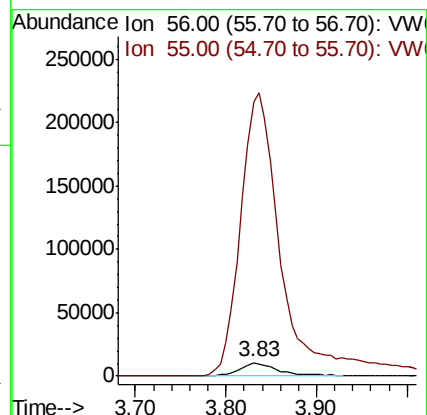
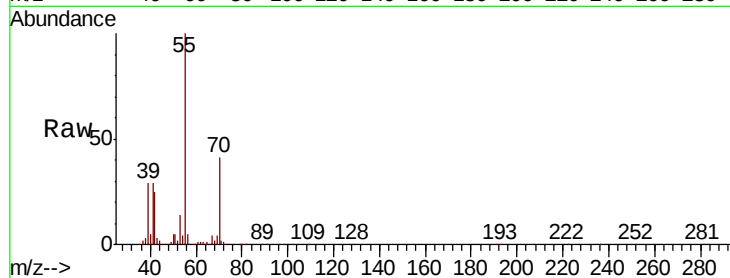
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 30725

Ion Ratio Lower Upper

56 100

55 2338.5 54.2 81.2#



#14

Allyl chloride

Concen: 2.455 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.26 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

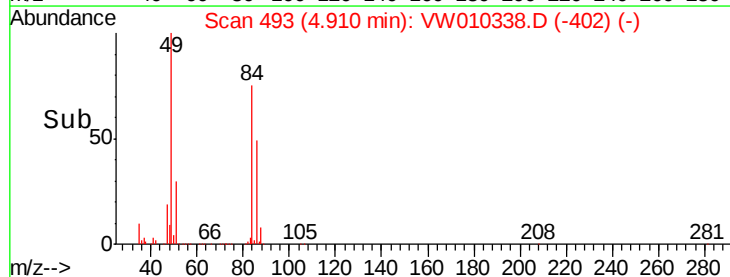
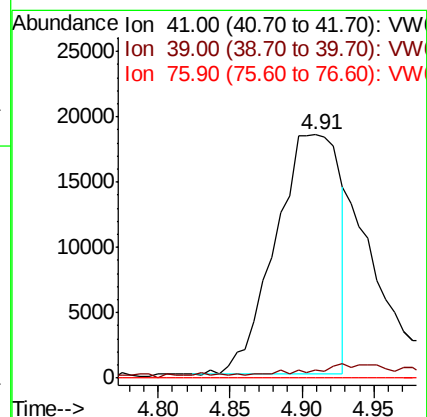
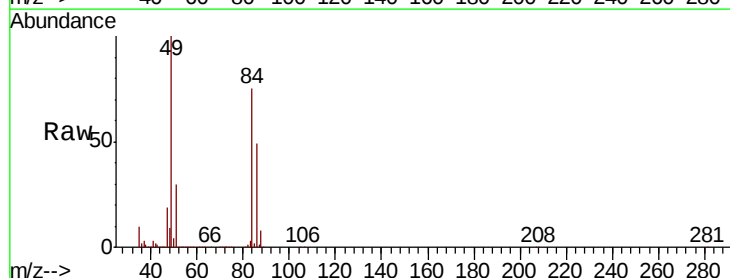
Tgt Ion: 41 Resp: 56886

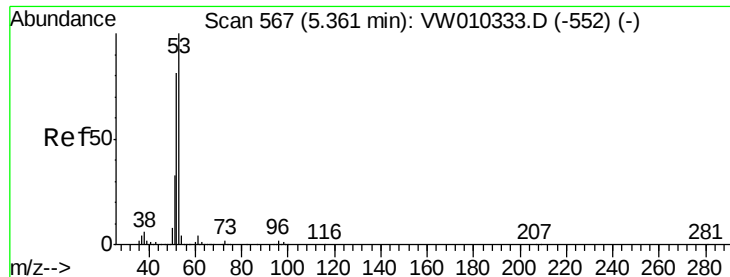
Ion Ratio Lower Upper

41 100

39 0.0 60.2 90.4#

76 0.0 25.0 37.6#





#15

Acrylonitrile

Concen: 2.256 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.05 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

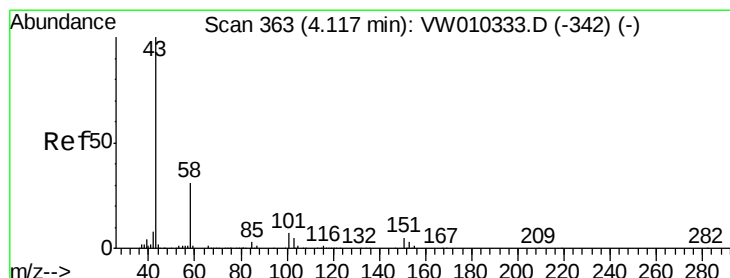
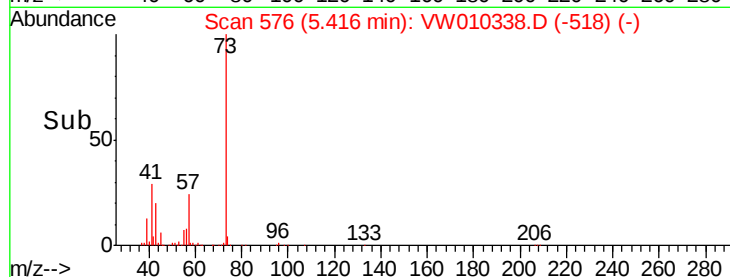
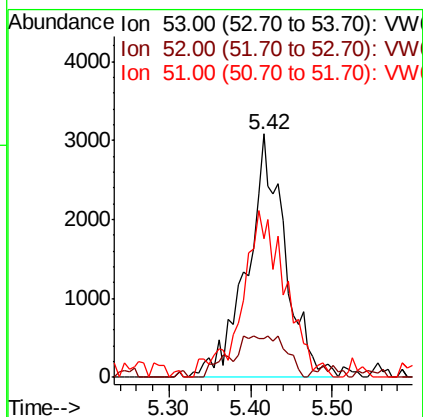
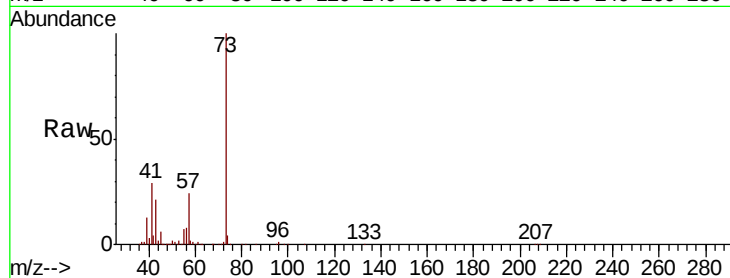
Tot Ion: 53 Resp: 9968

Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

51 78.1 30.3 45.5#



#16

Acetone

Concen: 436.300 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010338.D

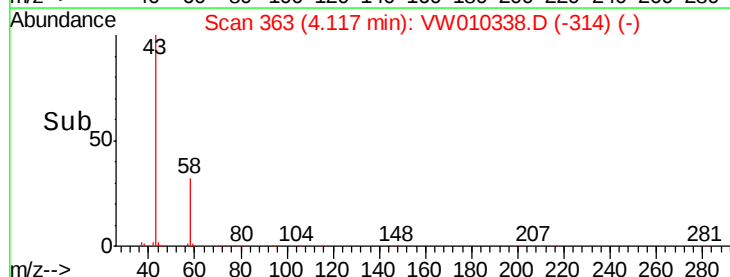
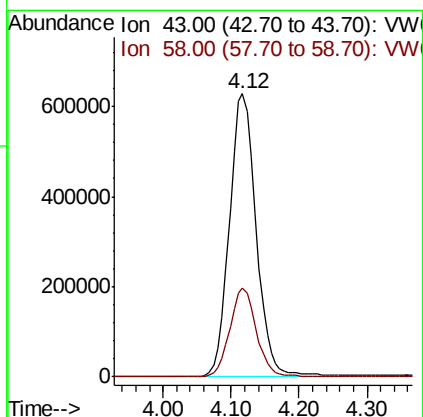
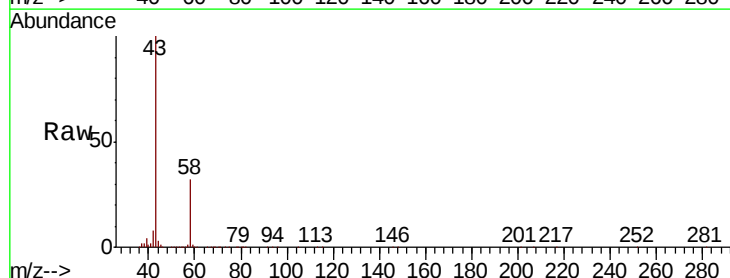
Acq: 09 May 2019 15:55

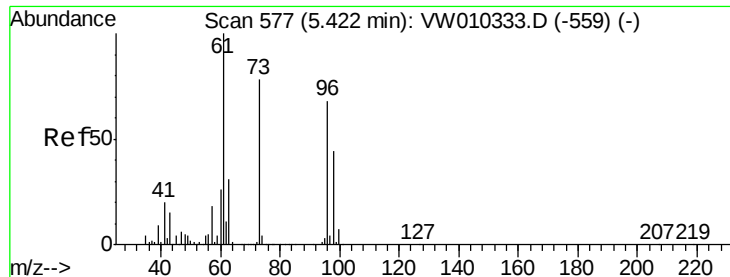
Tgt Ion: 43 Resp: 1721694

Ion Ratio Lower Upper

43 100

58 31.5 22.7 34.1

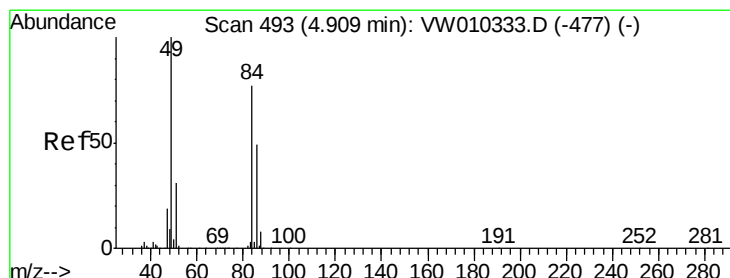
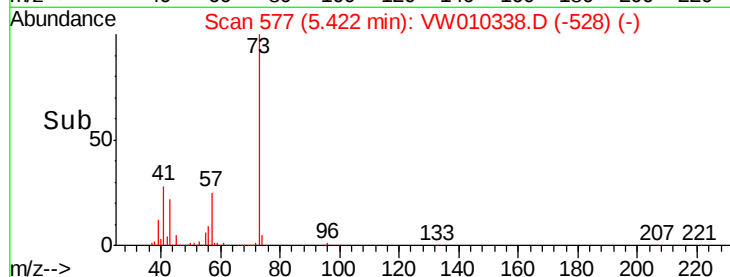
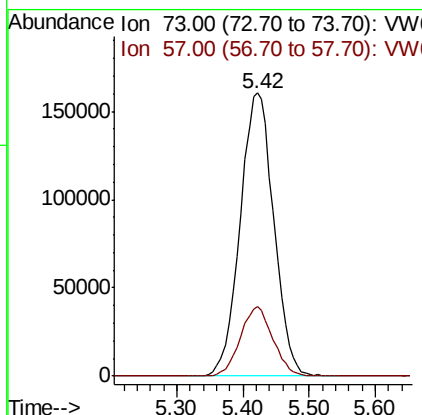
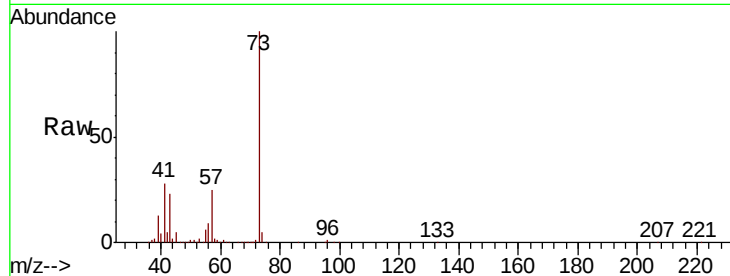




#19
Methvl tert-butvl Ether
Concen: 30.622 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

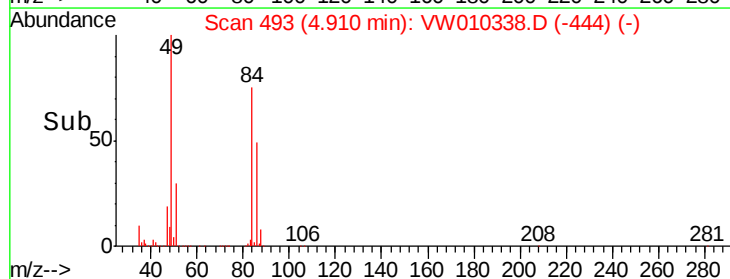
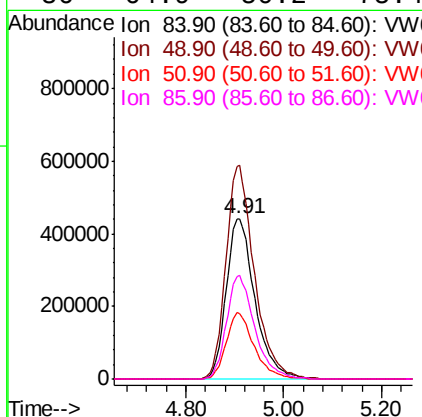
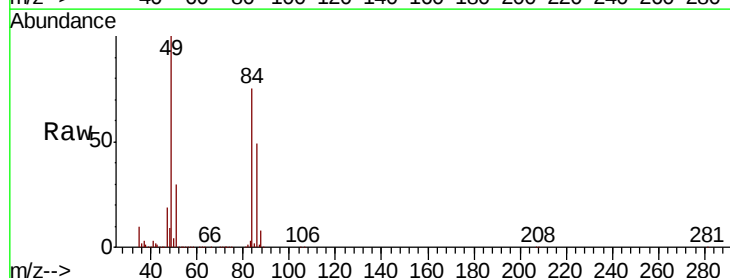
Instrument :
MSVOA_W
ClientSampleId :

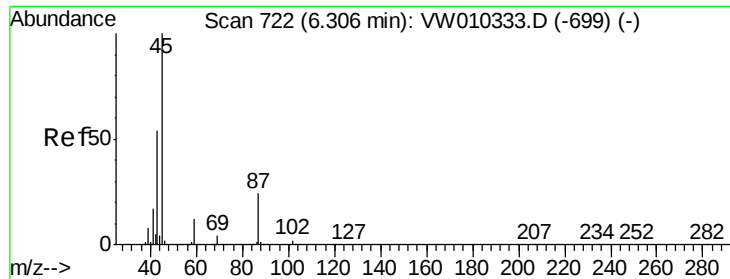
Tot Ion: 73 Resp: 565959
Ion Ratio Lower Upper
73 100
57 24.7 18.5 27.7



#20
Methylene Chloride
Concen: 109.225 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

Tgt Ion: 84 Resp: 1797737
Ion Ratio Lower Upper
84 100
49 133.2 112.3 168.5
51 40.4 33.9 50.9
86 64.9 50.2 75.4



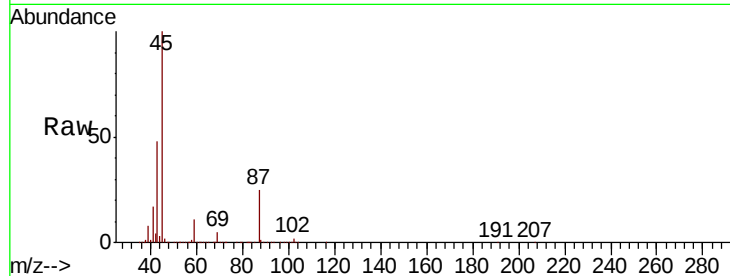


#22

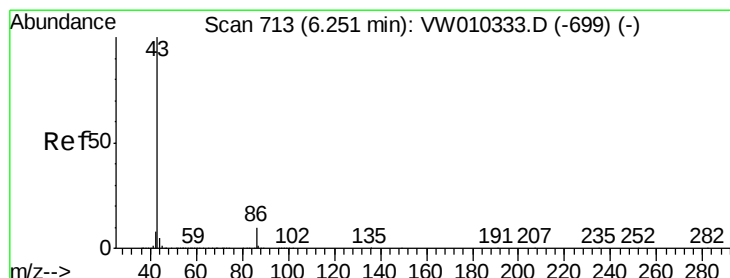
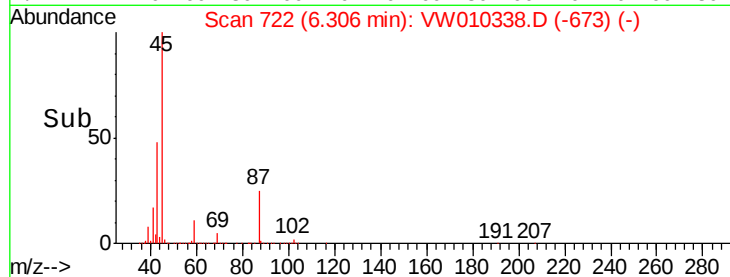
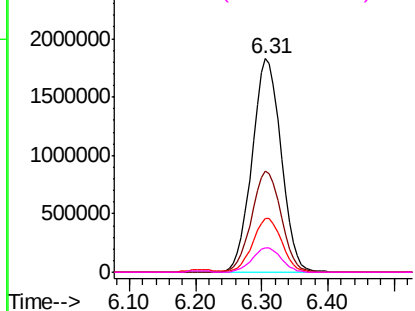
Diisopropyl ether
 Concen: 124.611 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	45	Resp	5604775
Ion	Ratio	Lower	Upper
45	100		
43	47.5	46.1	69.1
87	25.0	18.3	27.5
59	11.4	8.2	12.4



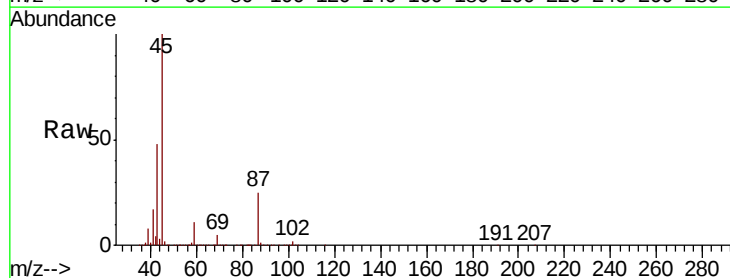
Abundance Ion 45.00 (44.70 to 45.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 87.00 (86.70 to 87.70): VW
 Ion 59.00 (58.70 to 59.70): VW



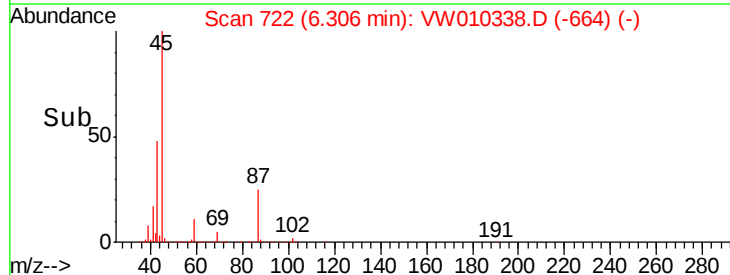
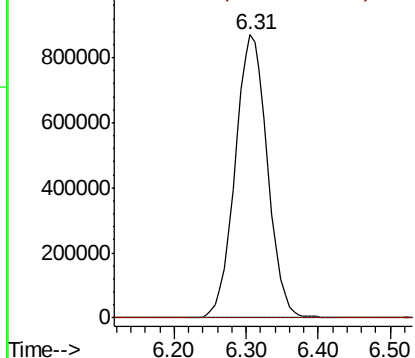
#23

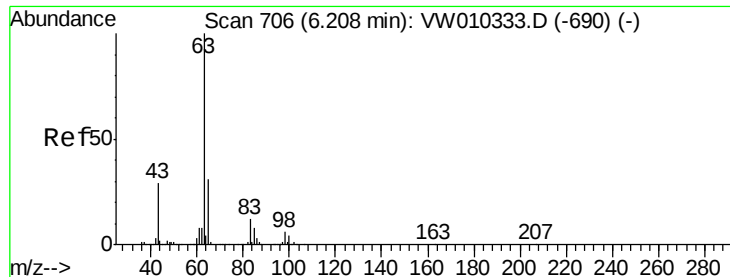
Vinyl Acetate
 Concen: 87.128 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. 0.05 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Tgt Ion	43	Resp	2690882
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.0	10.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 167.648 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :

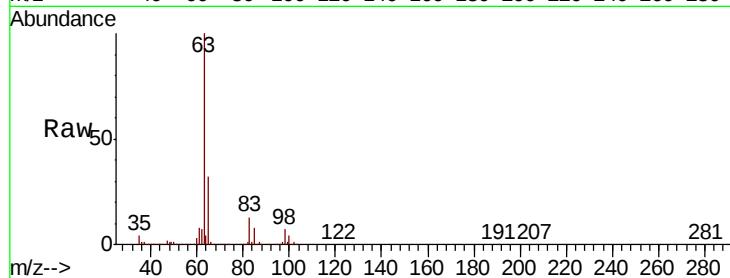
Tot Ion: 63 Resp: 5076786

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.8
100	4.2	2.0	6.0

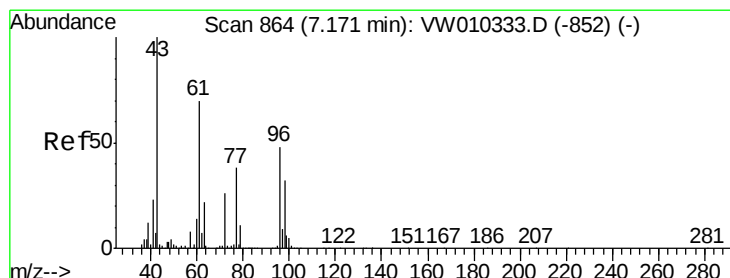
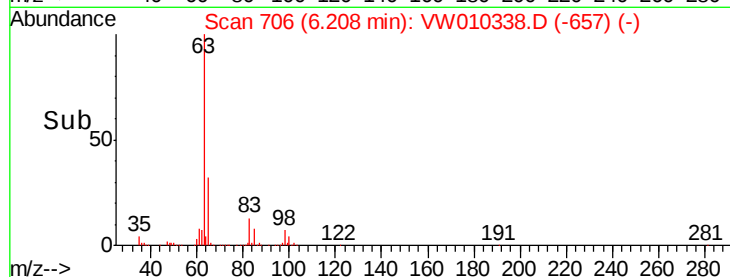
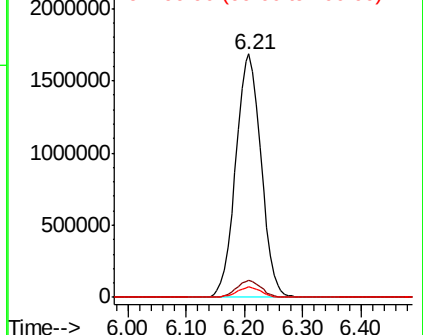
63 100

98 7.1 3.3 9.8

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 273.393 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010338.D

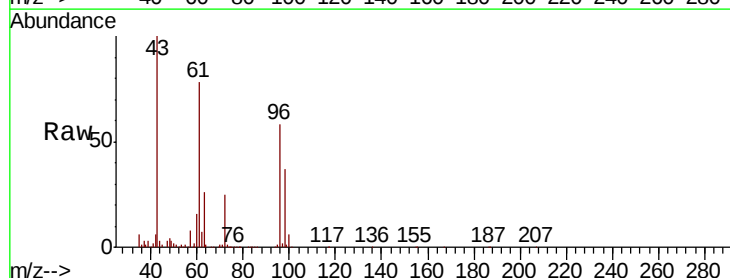
Acq: 09 May 2019 15:55

Tgt Ion: 43 Resp: 1650420

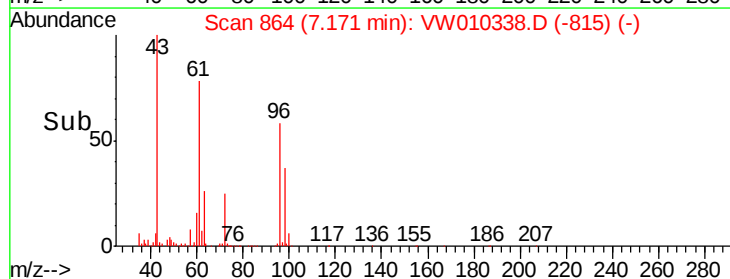
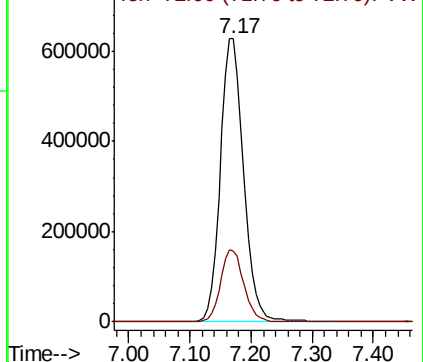
Ion	Ratio	Lower	Upper
43	100		
72	24.9	19.1	28.7

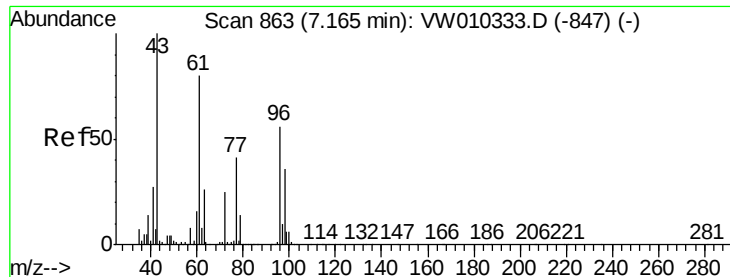
43 100

72 24.9 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



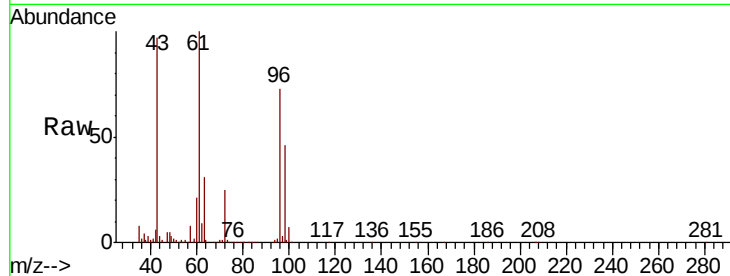


#27

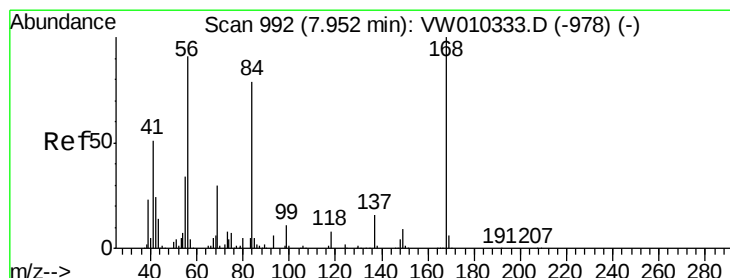
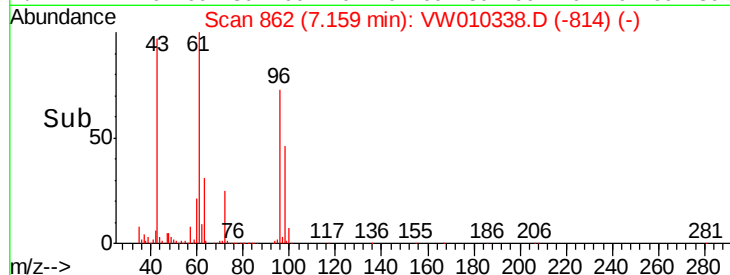
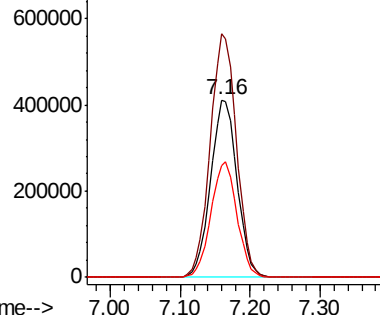
cis-1,2-Dichloroethene
 Concen: 62.859 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 96 Resp: 1080341
 Ion Ratio Lower Upper
 96 100
 61 136.6 0.0 309.4
 98 63.7 0.0 128.6



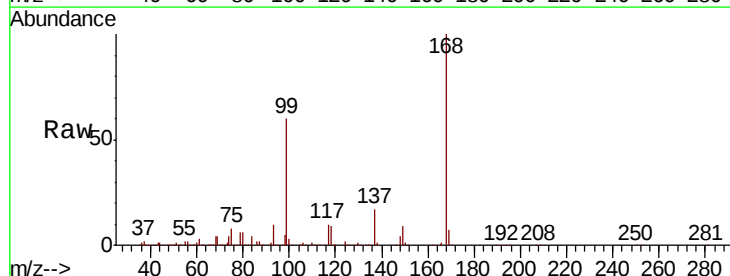
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



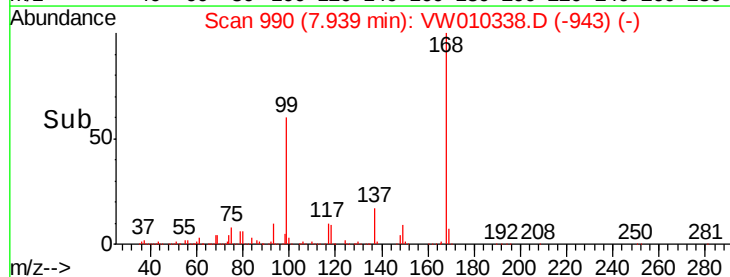
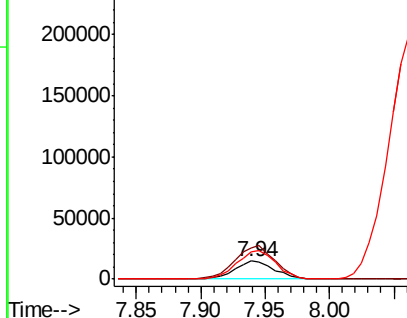
#31

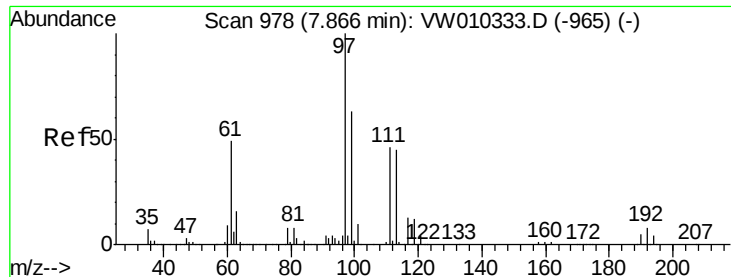
Cyclohexane
 Concen: 1.015 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Tgt Ion: 56 Resp: 31483
 Ion Ratio Lower Upper
 56 100
 69 174.0 26.6 40.0#
 84 147.1 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





#32

1,1,1-Trichloroethane

Concen: 1.218 ug/l

RT: 7.86 min Scan# 977

Delta R.T. -0.01 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

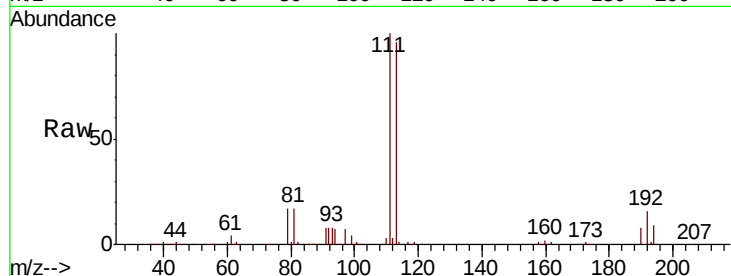
Tot Ion: 97 Resp: 26732

Ion Ratio Lower Upper

97 100

99 0.0 50.2 75.2#

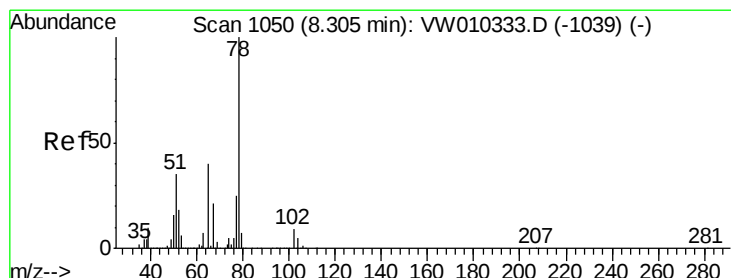
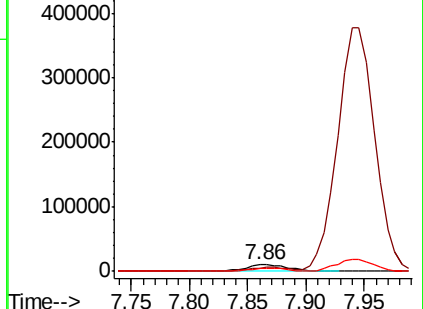
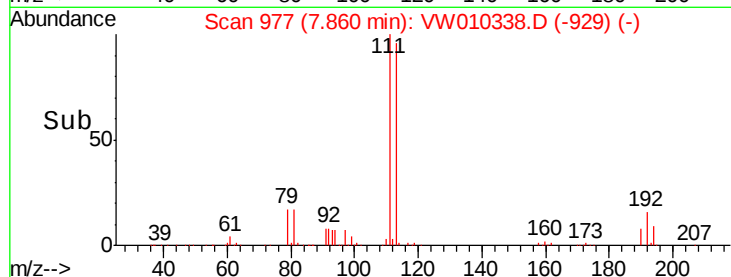
61 48.1 38.2 57.2



Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW



#33

1,2-Dichloroethane-d4

Concen: 50.017 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW010338.D

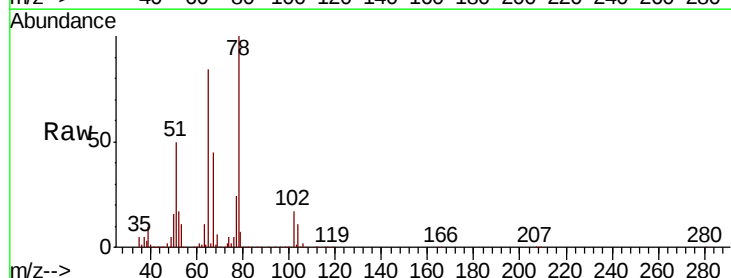
Acq: 09 May 2019 15:55

Tgt Ion: 65 Resp: 757108

Ion Ratio Lower Upper

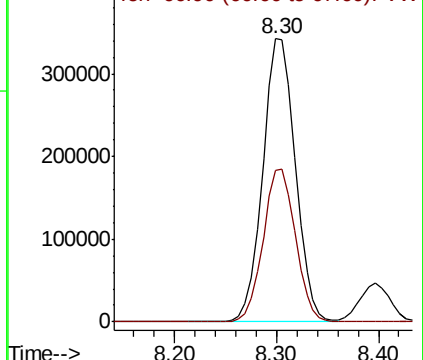
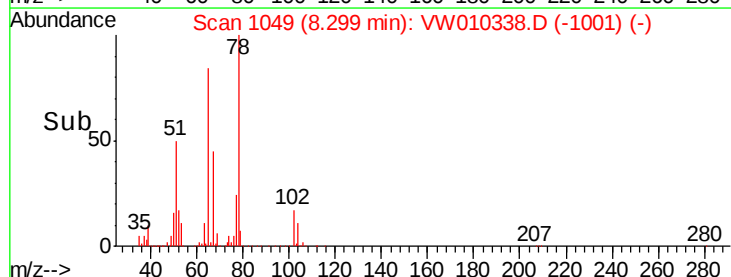
65 100

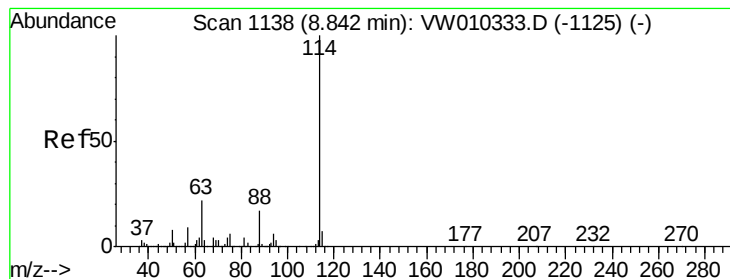
67 53.5 0.0 100.8



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: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

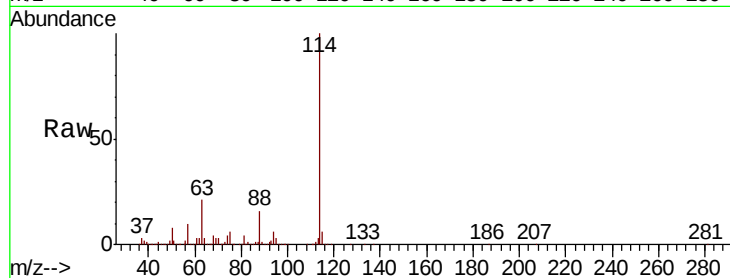
Tot Ion:114 Resp: 2429442

Ion Ratio Lower Upper

114 100

63 21.5 0.0 46.2

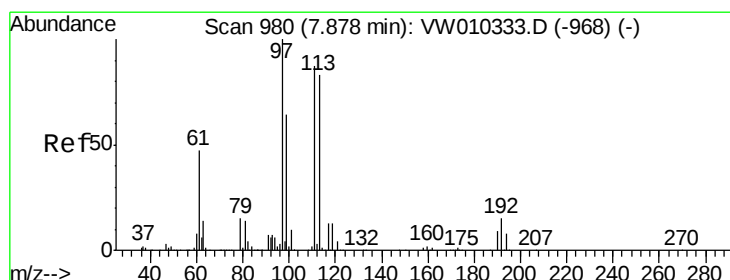
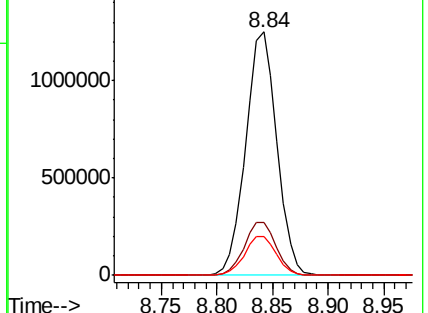
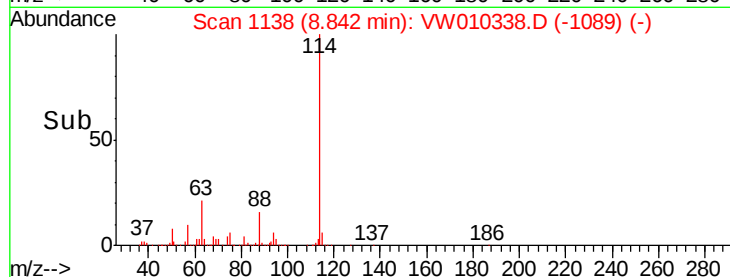
88 16.0 0.0 32.6



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: 48.151 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

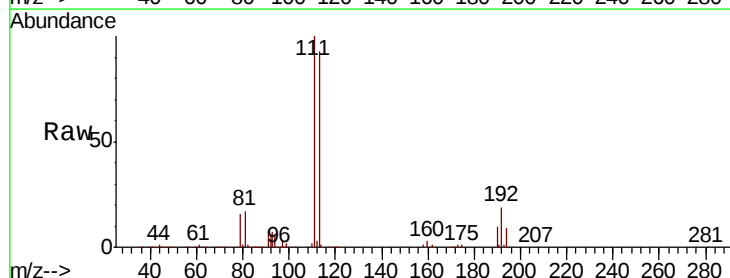
Tgt Ion:113 Resp: 684559

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

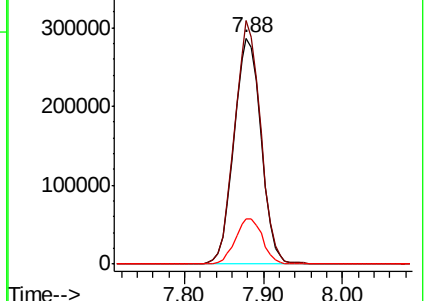
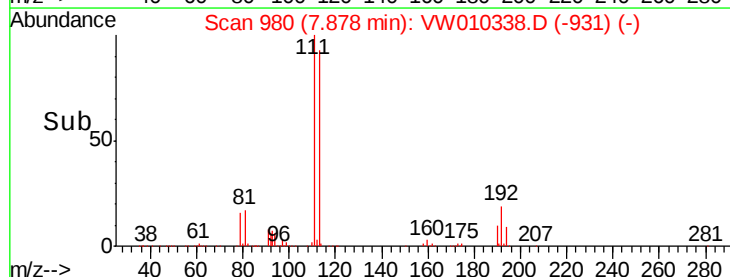
192 20.4 15.4 23.2

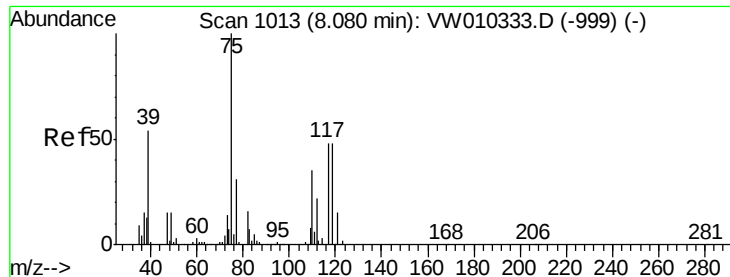


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.427 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :

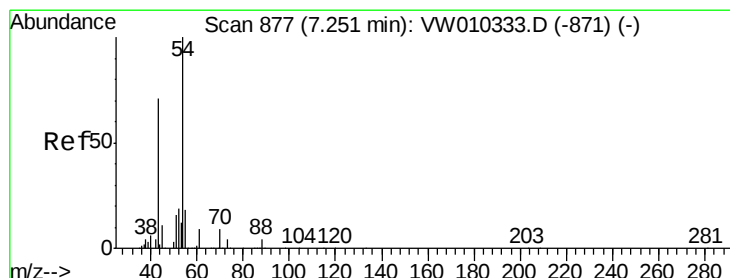
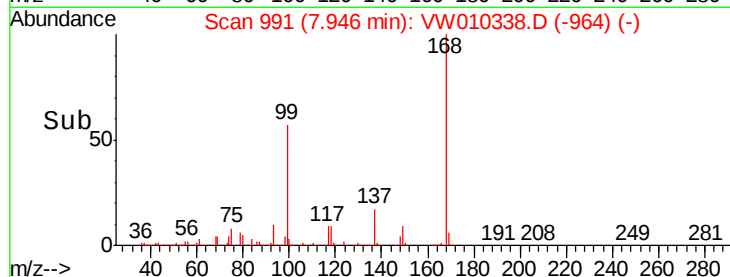
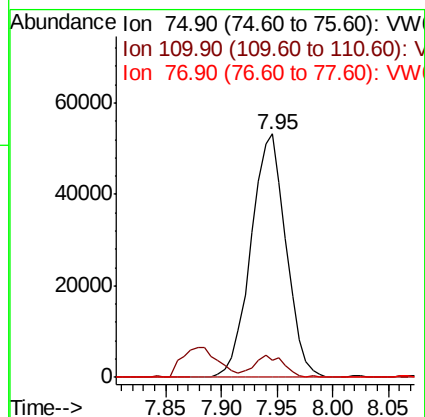
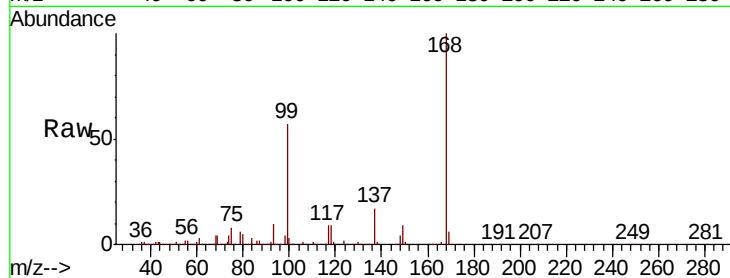
Tot Ion: 75 Resp: 116608

Ion Ratio Lower Upper

75 100

110 7.8 16.6 49.8#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 117.674 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

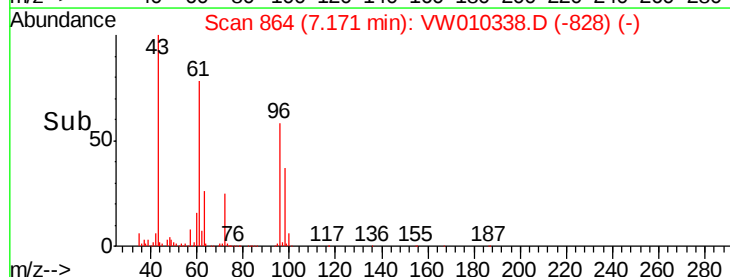
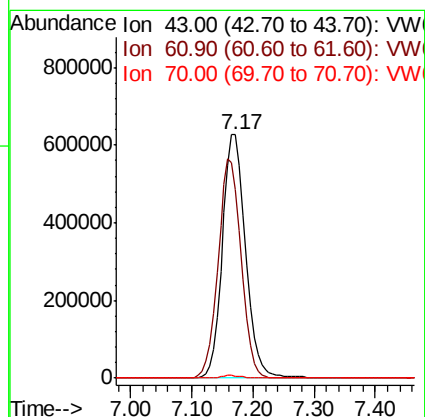
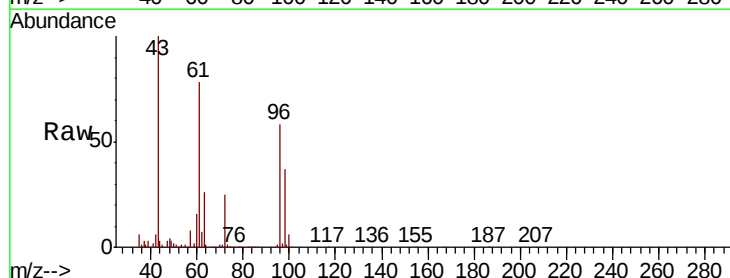
Tgt Ion: 43 Resp: 1650420

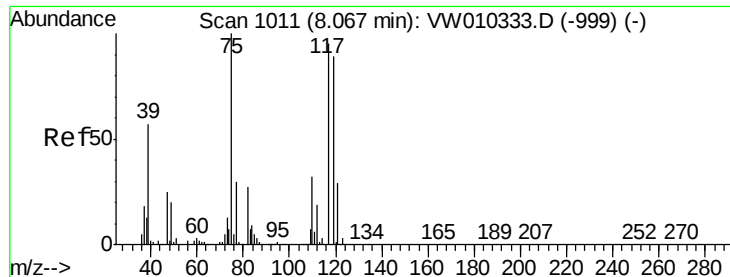
Ion Ratio Lower Upper

43 100

61 89.4 9.8 14.8#

70 1.1 7.4 11.0#





#38

Carbon Tetrachloride

Concen: 130.735 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

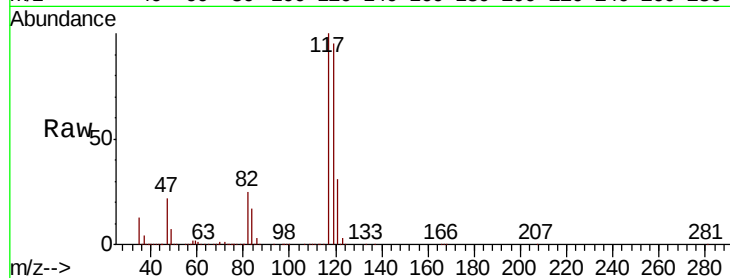
Tot Ion:117 Resp: 2952062

Ion Ratio Lower Upper

117 100

119 95.4 75.3 112.9

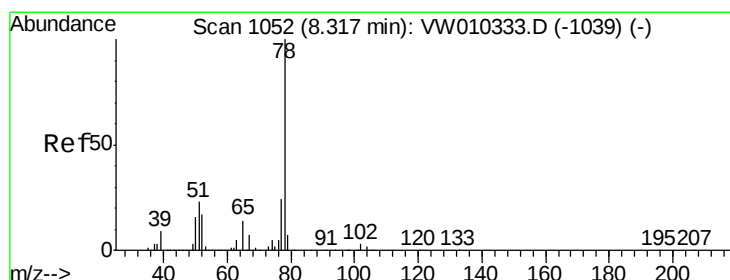
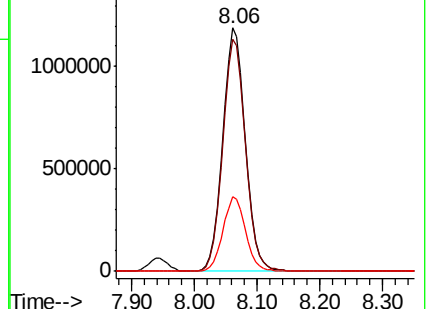
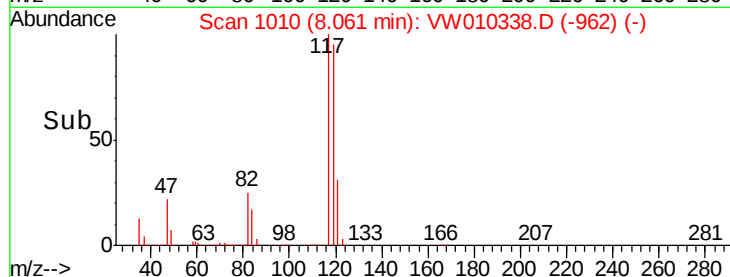
121 30.5 24.4 36.6



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



#40

Benzene

Concen: 33.544 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW010338.D

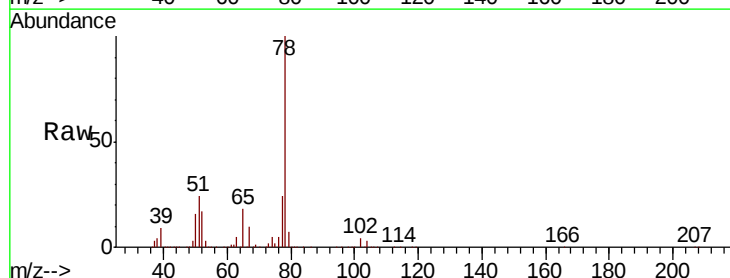
Acq: 09 May 2019 15:55

Tgt Ion: 78 Resp: 2419900

Ion Ratio Lower Upper

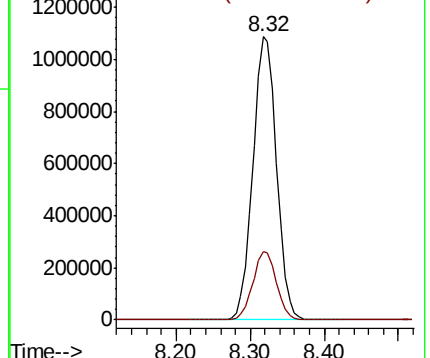
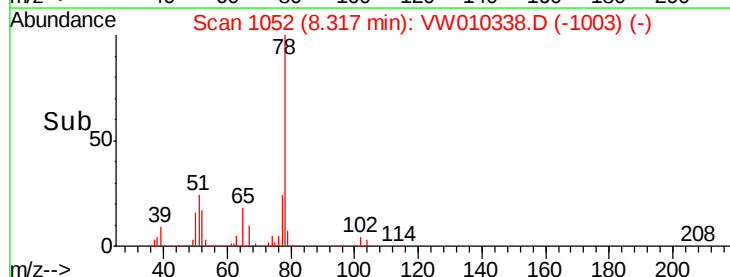
78 100

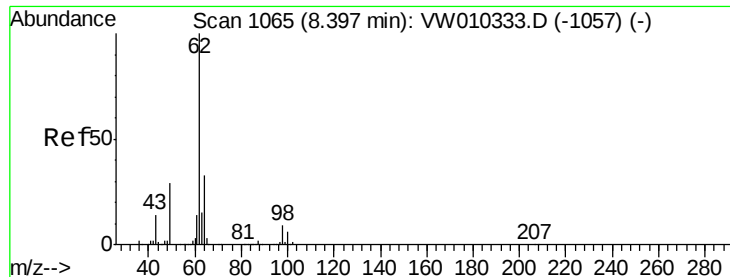
77 24.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#42

1,2-Dichloroethane

Concen: 112.028 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

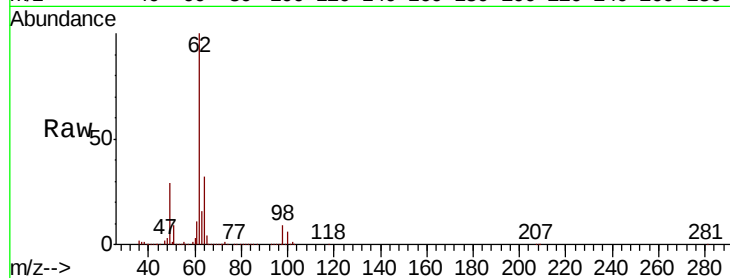
ClientSampleId :

Tot Ion: 62 Resp: 2313325

Ion Ratio Lower Upper

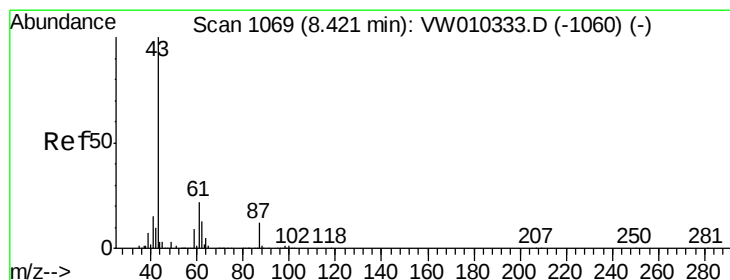
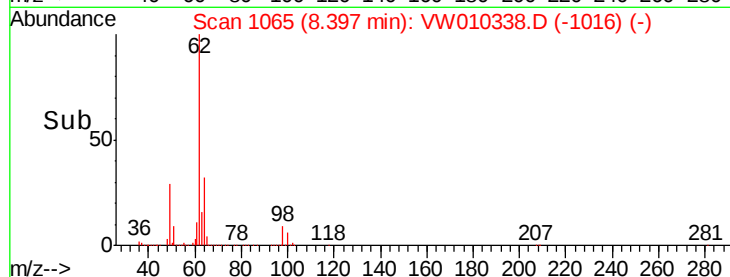
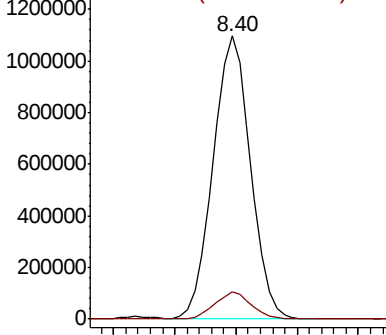
62 100

98 9.5 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#43

Isopropyl Acetate

Concen: 66.600 ug/l

RT: 8.50 min Scan# 1082

Delta R.T. 0.08 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

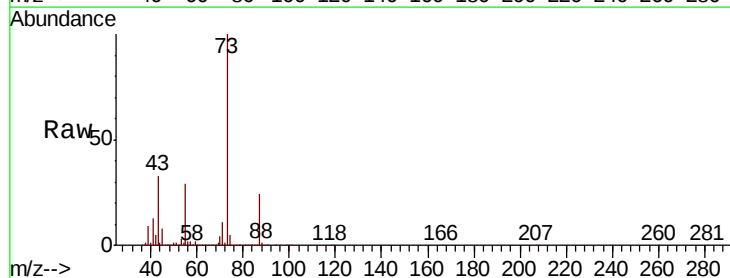
Tgt Ion: 43 Resp: 1549148

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

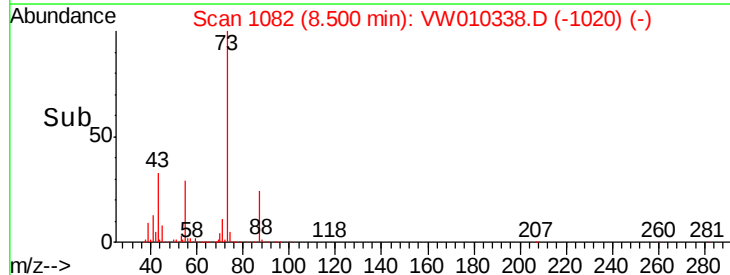
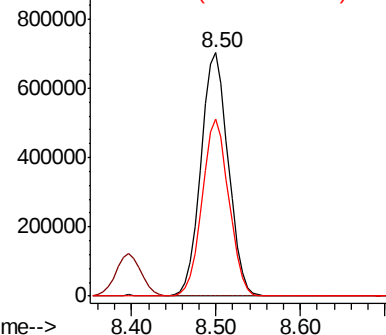
87 71.3 9.3 13.9#

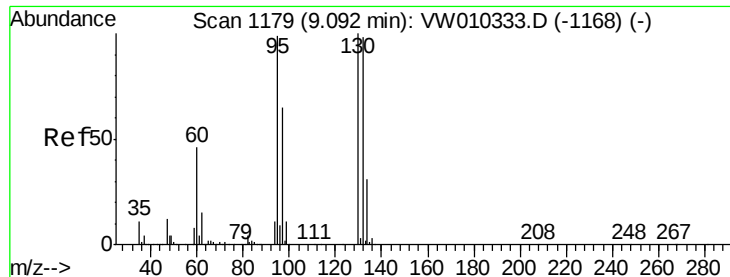


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#44

Trichloroethene

Concen: 108.131 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

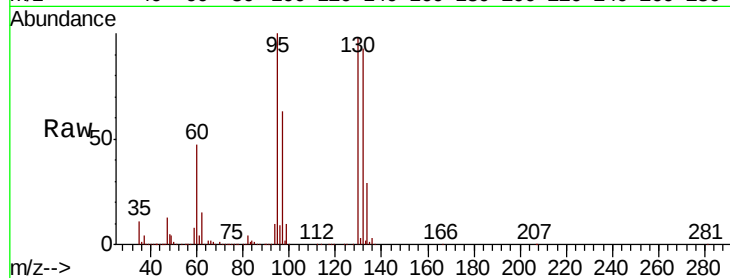
ClientSampled :

Tot Ion:130 Resp: 1952900

Ion Ratio Lower Upper

130 100

95 101.5 0.0 205.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

1200000

1000000

800000

600000

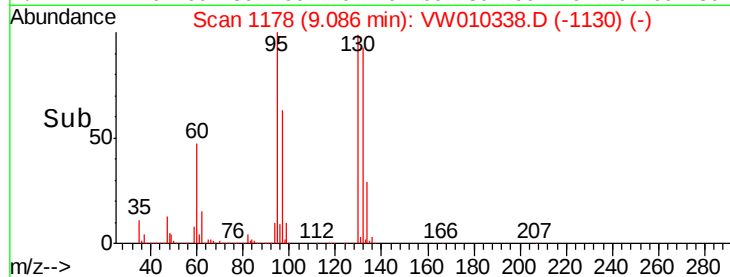
400000

200000

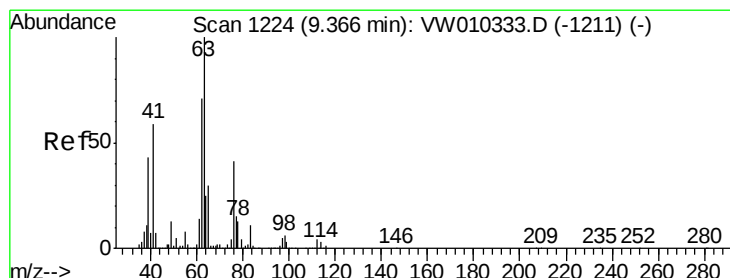
0

9.09

9.00 9.10 9.20



Time-->



#45

1,2-Dichloropropane

Concen: 179.139 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010338.D

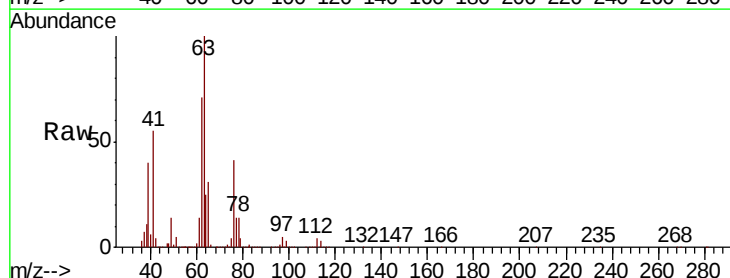
Acq: 09 May 2019 15:55

Tgt Ion: 63 Resp: 3212336

Ion Ratio Lower Upper

63 100

65 30.9 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

2000000

1500000

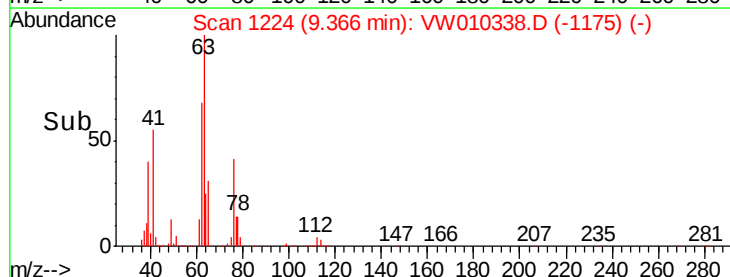
1000000

500000

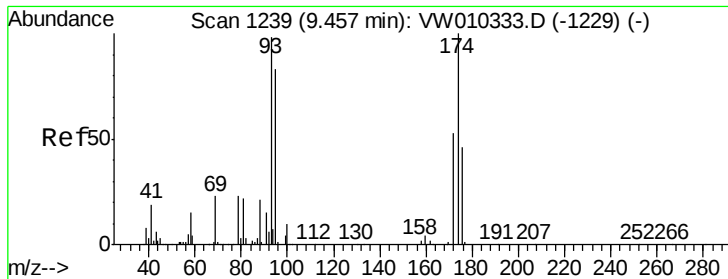
0

9.37

9.30 9.40 9.50



Time-->



#46

Dibromomethane

Concen: 109.632 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

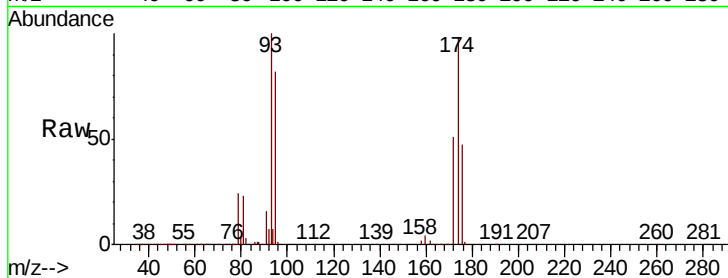
Tot Ion: 93 Resp: 1015615

Ion Ratio Lower Upper

93 100

95 82.9 65.8 98.8

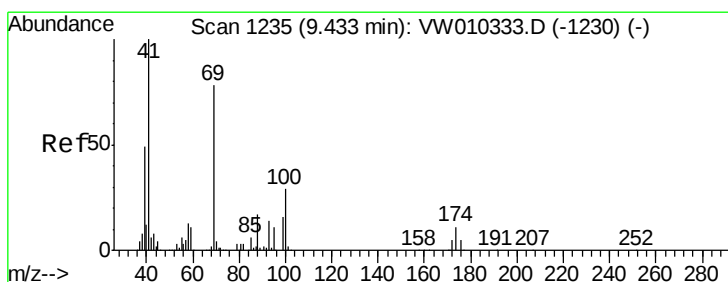
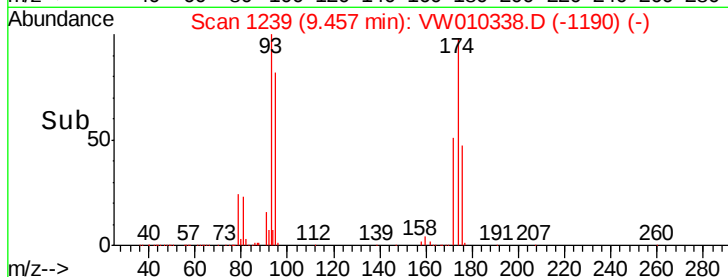
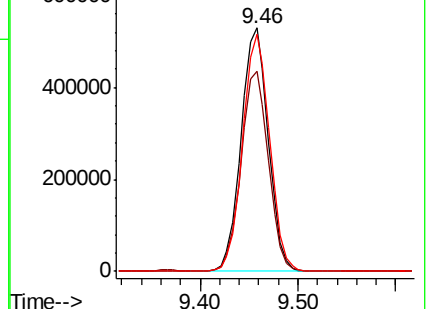
174 97.1 75.5 113.3



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): VW



#48

Methyl methacrylate

Concen: 162.108 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.07 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

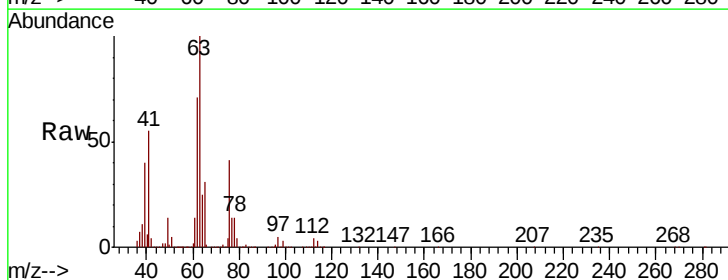
Tgt Ion: 41 Resp: 1782898

Ion Ratio Lower Upper

41 100

69 0.0 60.1 90.1#

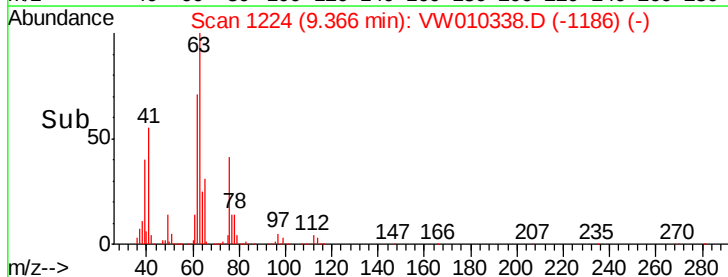
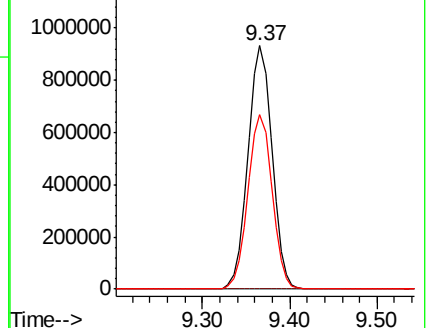
39 72.1 51.0 76.6

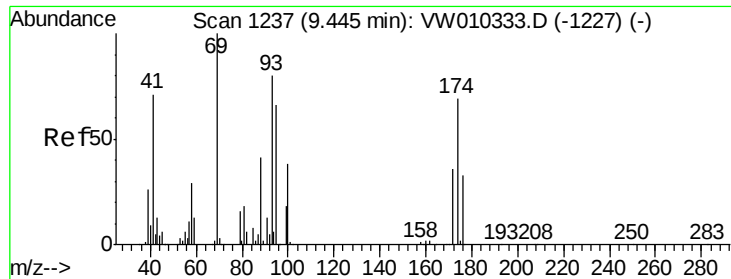


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 39.126 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :

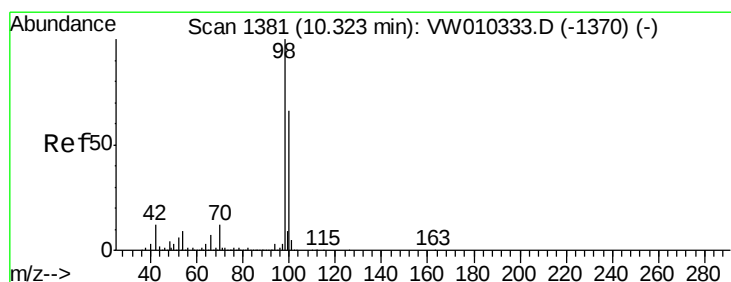
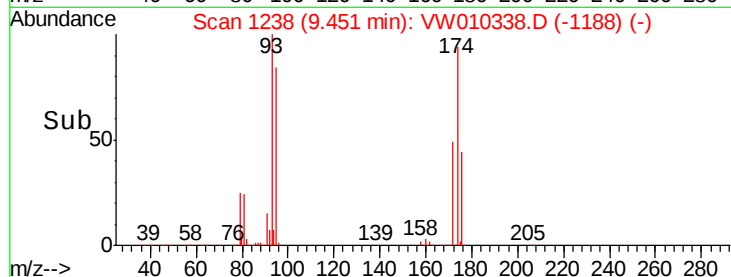
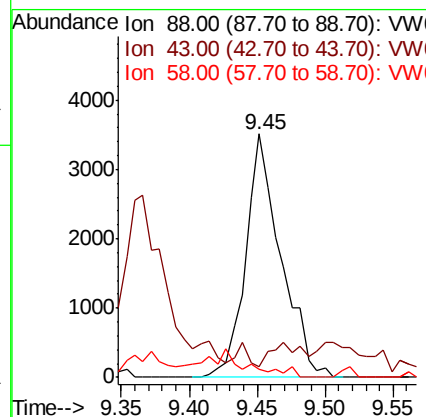
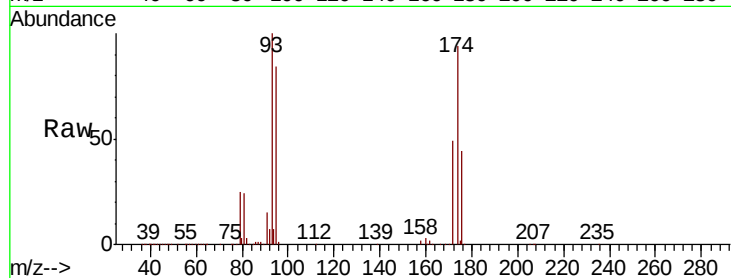
Tot Ion: 88 Resp: 6321

Ion Ratio Lower Upper

88 100

43 4.4 31.9 47.9#

58 0.0 61.8 92.6#



#50

Toluene-d8

Concen: 49.561 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010338.D

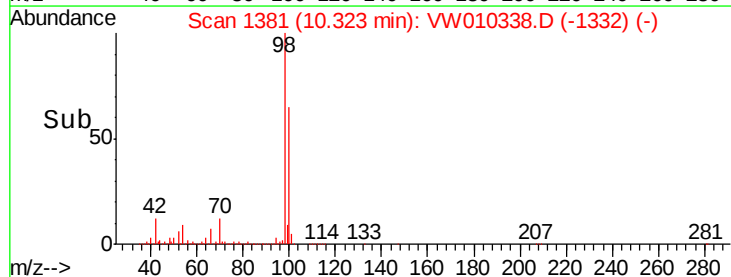
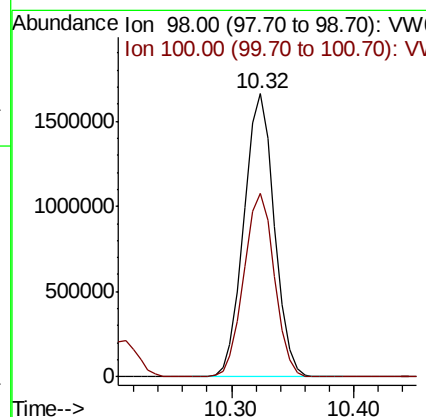
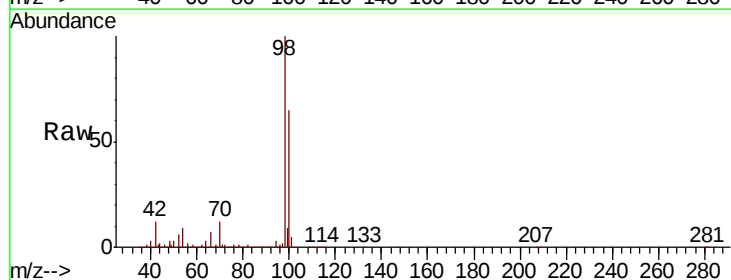
Acq: 09 May 2019 15:55

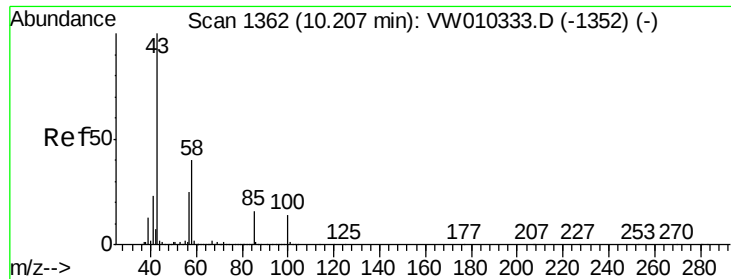
Tgt Ion: 98 Resp: 2869141

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 182.838 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

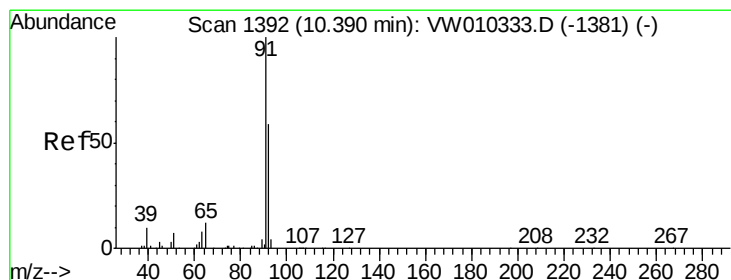
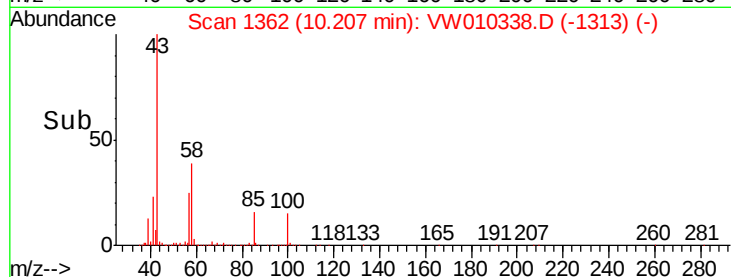
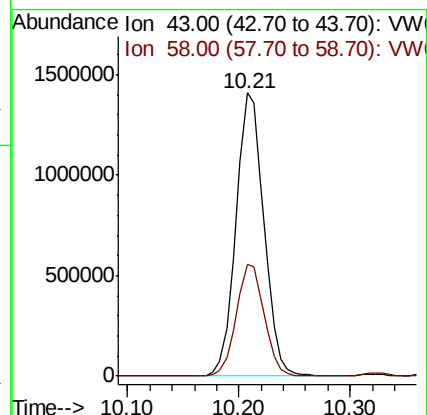
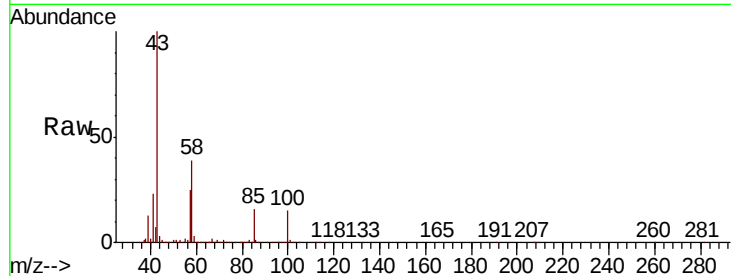
ClientSampleId :

Tot Ion: 43 Resp: 2438650

Ion Ratio Lower Upper

43 100

58 39.6 28.9 43.3



#52

Toluene

Concen: 181.922 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010338.D

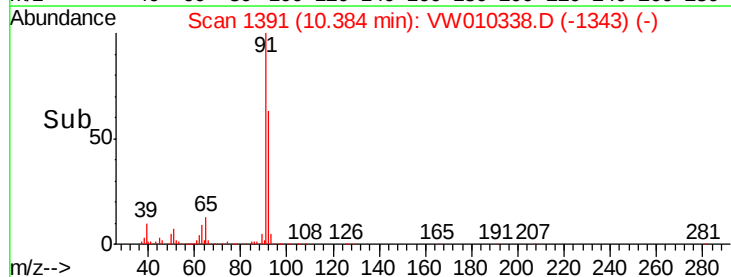
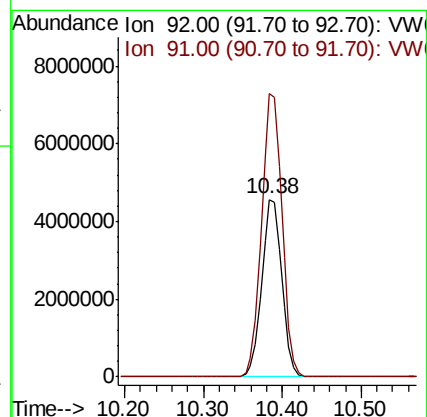
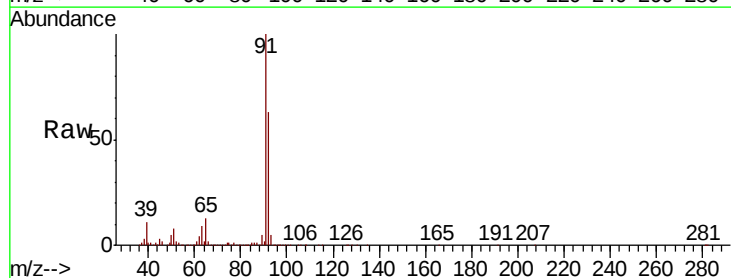
Acq: 09 May 2019 15:55

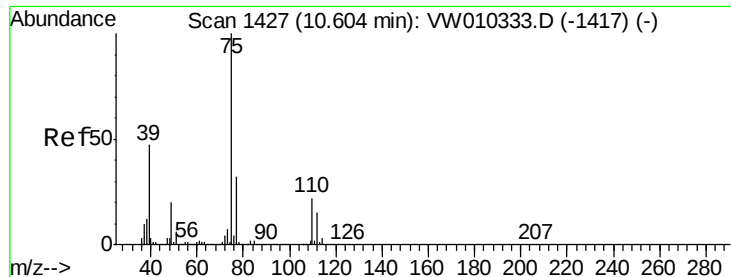
Tgt Ion: 92 Resp: 8021609

Ion Ratio Lower Upper

92 100

91 164.0 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 48.806 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

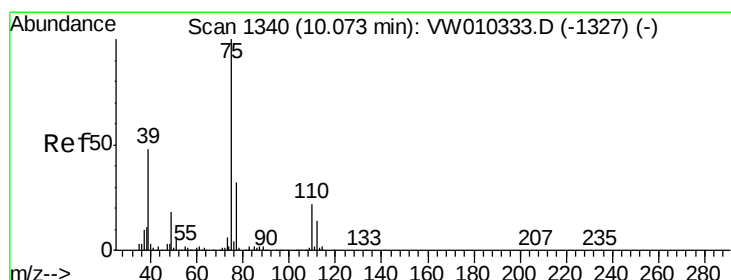
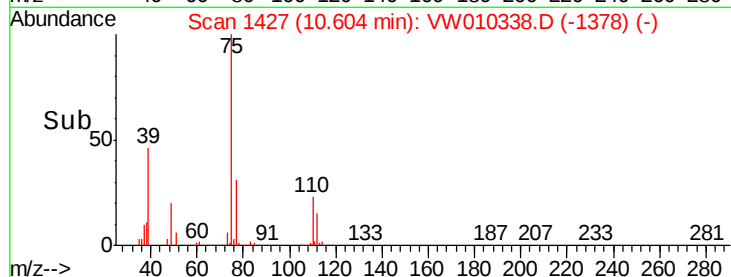
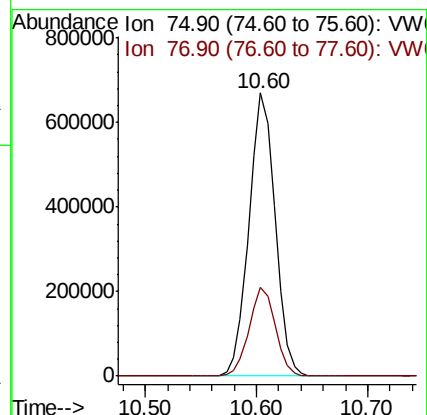
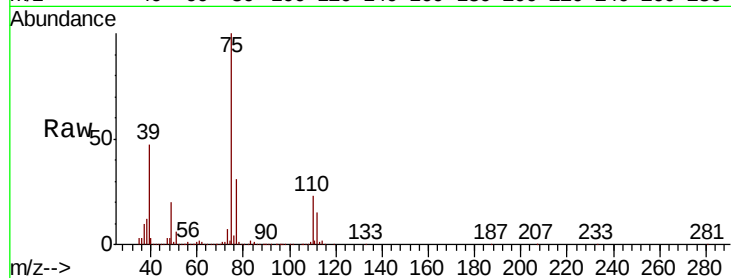
ClientSampleId :

Tot Ion: 75 Resp: 1098571

Ion Ratio Lower Upper

75 100

77 31.2 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 54.017 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

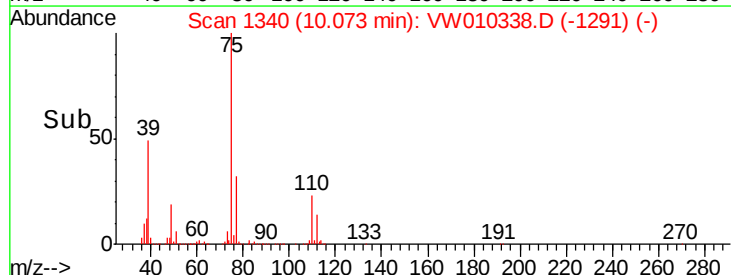
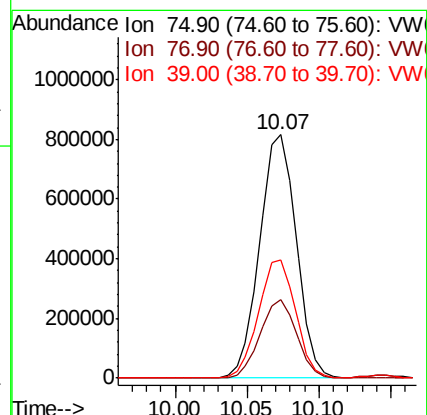
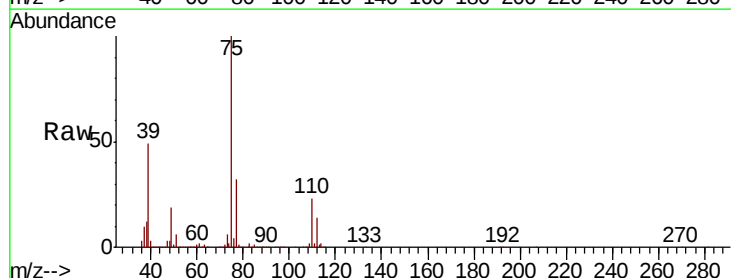
Tgt Ion: 75 Resp: 1439947

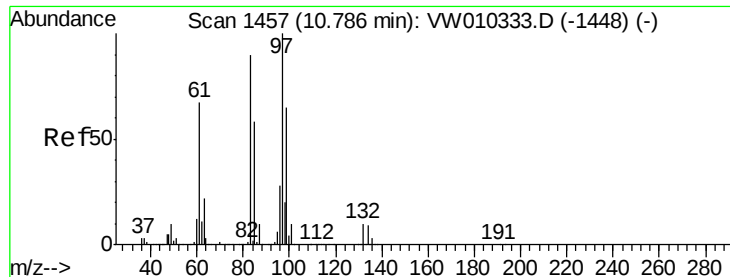
Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

39 48.8 47.8 71.6





#55

1,1,2-Trichloroethane

Concen: 86.804 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 1142144

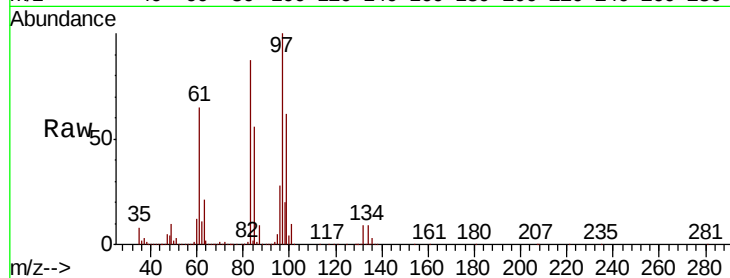
Ion	Ratio	Lower	Upper
97	100		
83	86.7	68.9	103.3
85	56.4	42.9	64.3
99	62.3	48.6	72.8

97 100

83 86.7 68.9 103.3

85 56.4 42.9 64.3

99 62.3 48.6 72.8



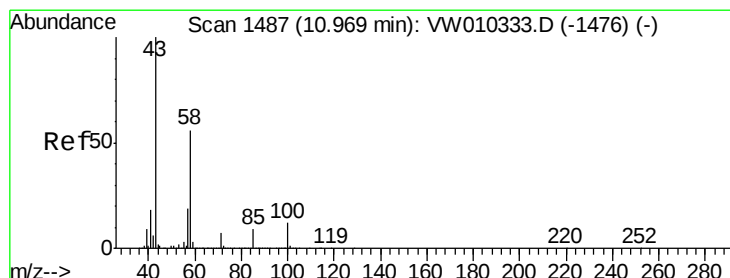
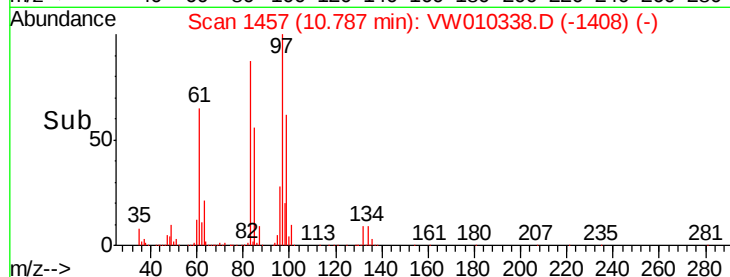
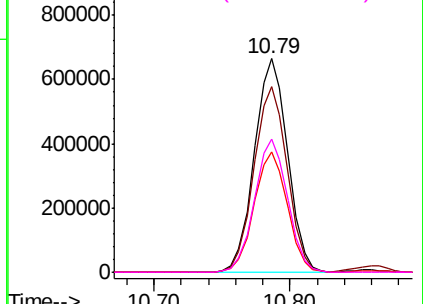
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#59

2-Hexanone

Concen: 79.504 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010338.D

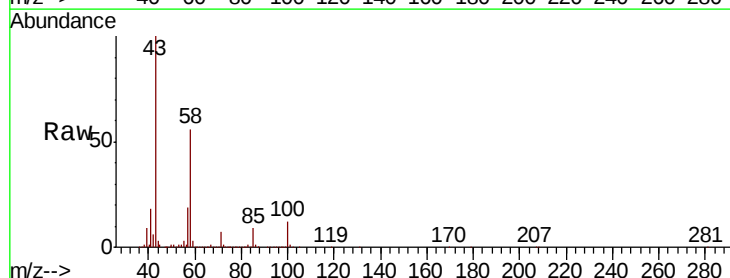
Acq: 09 May 2019 15:55

Tgt Ion: 43 Resp: 749743

Ion	Ratio	Lower	Upper
43	100		
58	54.8	24.9	74.7

43 100

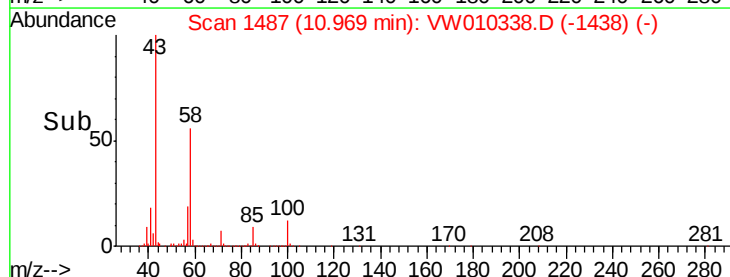
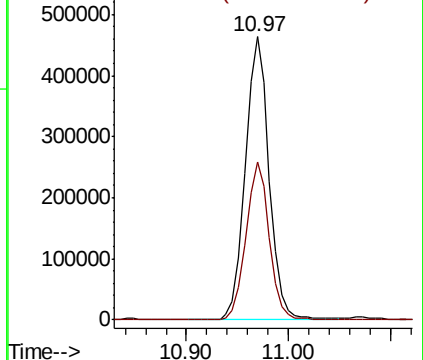
58 54.8 24.9 74.7

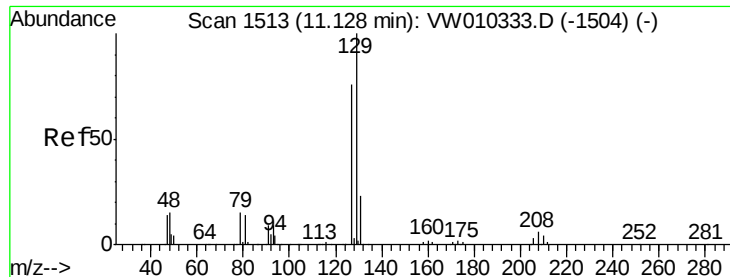


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

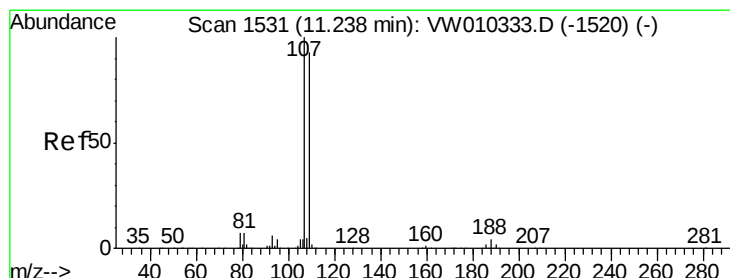
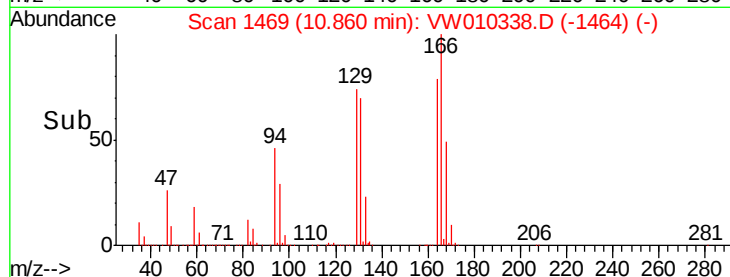
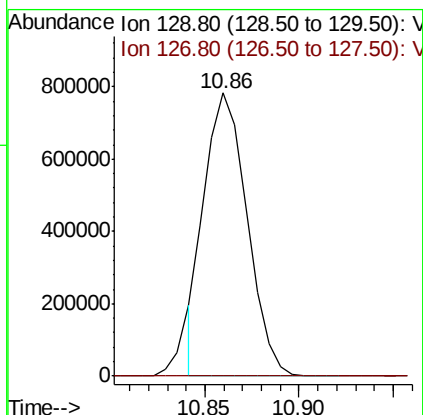
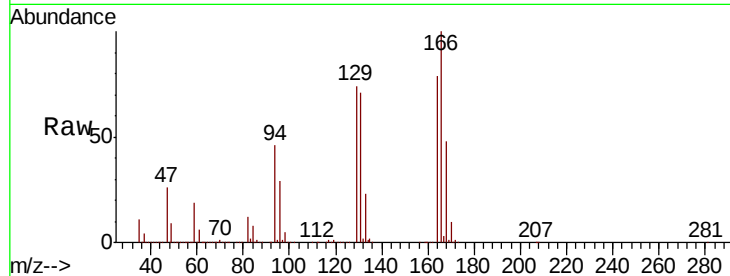




#60
 Dibromochloromethane
 Concen: 87.115 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

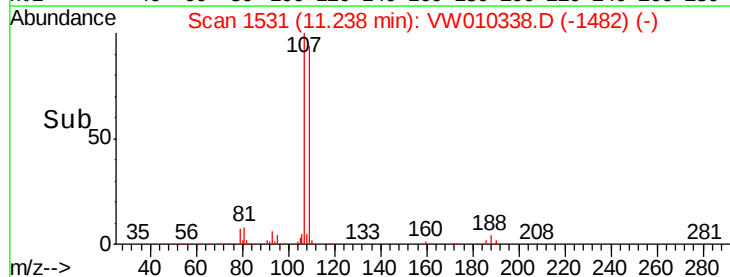
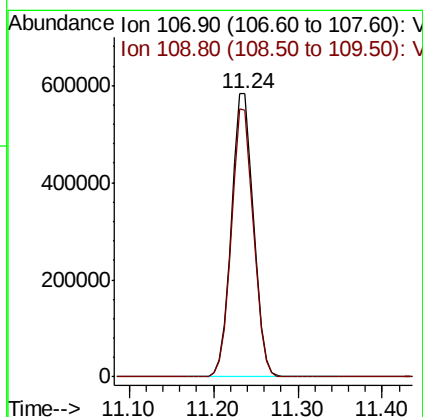
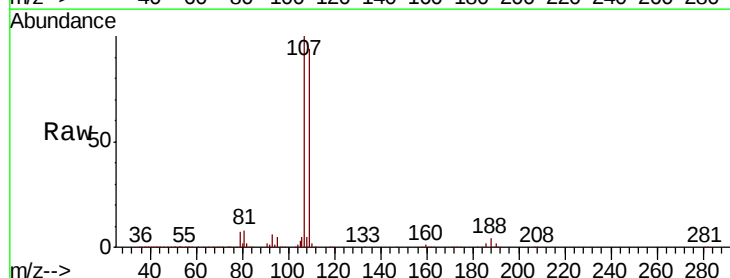
Instrument :
 MSVOA_W
 ClientSampled :

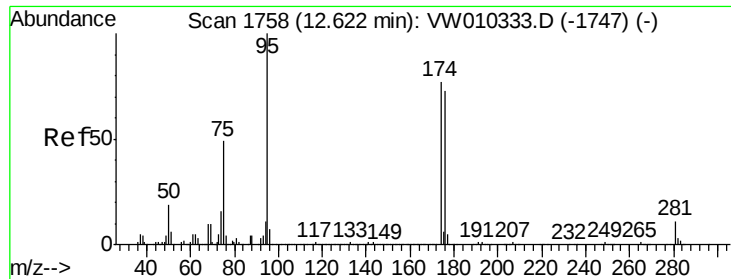
Tot Ion:129 Resp: 1233419
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 116.0#



#61
 1,2-Dibromoethane
 Concen: 82.221 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Tgt Ion:107 Resp: 1038537
 Ion Ratio Lower Upper
 107 100
 109 94.0 73.6 110.4

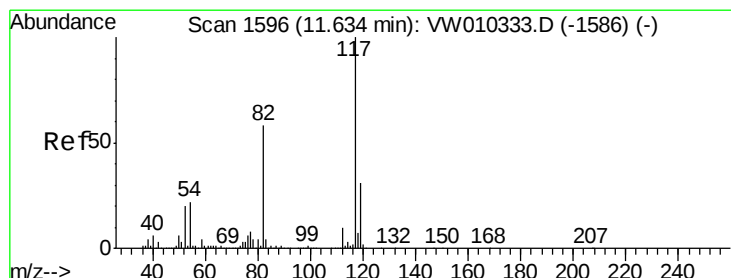
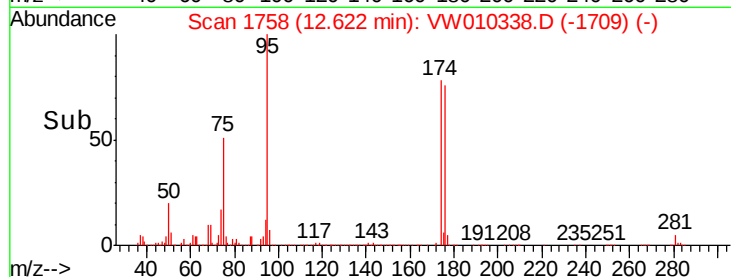
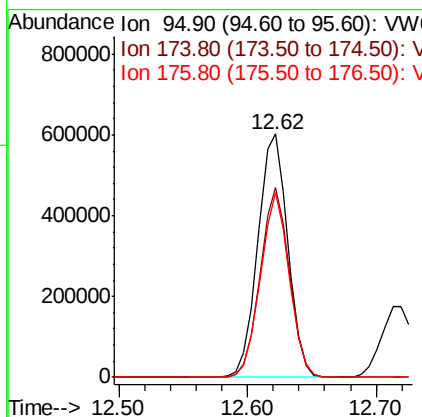
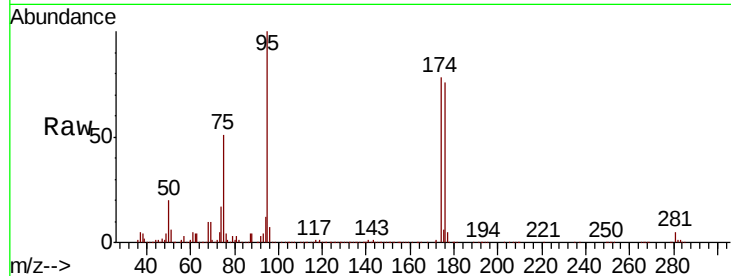




#62
4-Bromofluorobenzene
Concen: 47.278 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

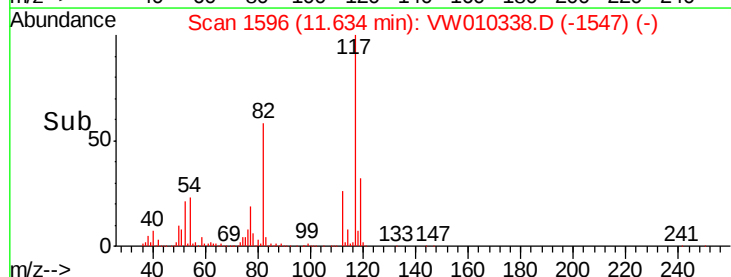
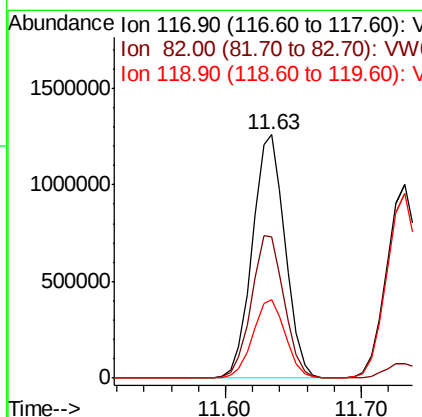
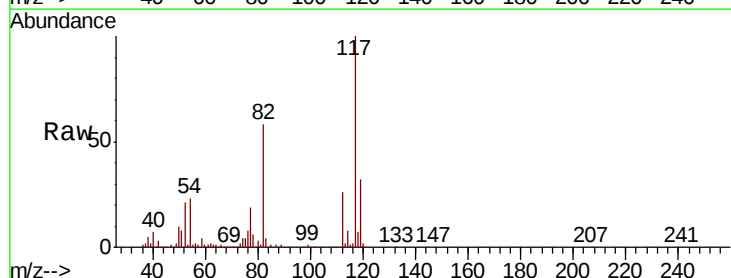
Instrument :
MSVOA_W
ClientSampleId :

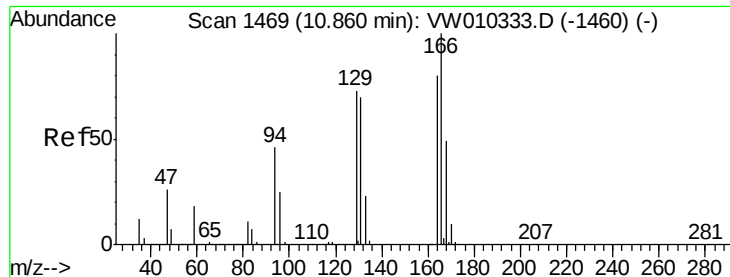
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	151.4
176	73.2	0.0	146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.2	67.8
119	32.4	25.4	38.2





#64

Tetrachloroethene

Concen: 95.815 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 1420216

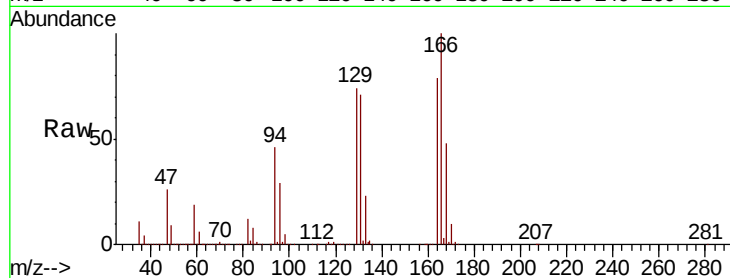
Ion Ratio Lower Upper

164 100

166 127.1 101.2 151.8

129 94.1 77.8 116.6

131 89.8 73.1 109.7

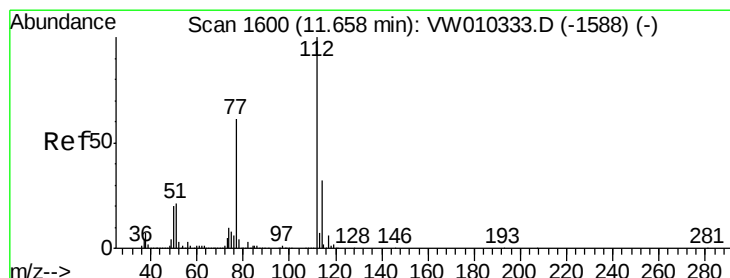
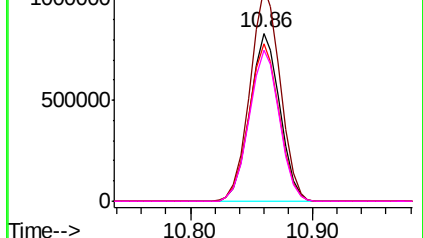
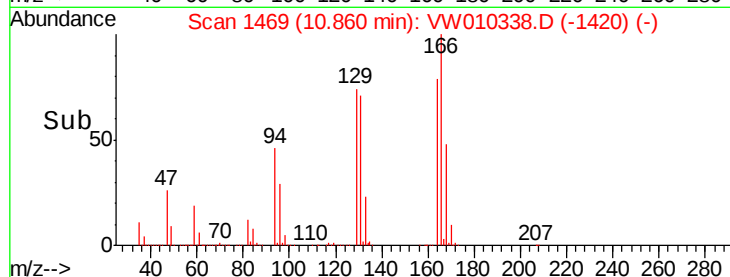


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 119.703 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010338.D

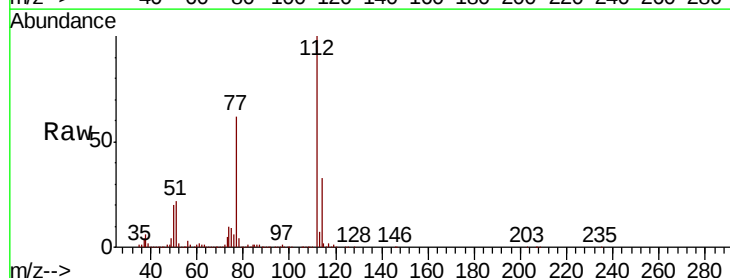
Acq: 09 May 2019 15:55

Tgt Ion:112 Resp: 5254968

Ion Ratio Lower Upper

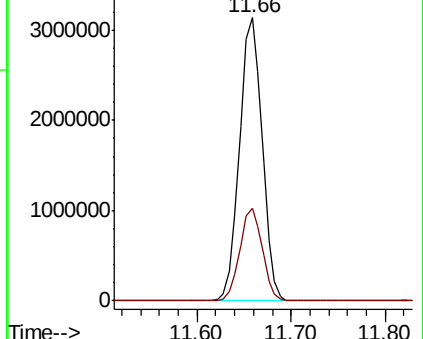
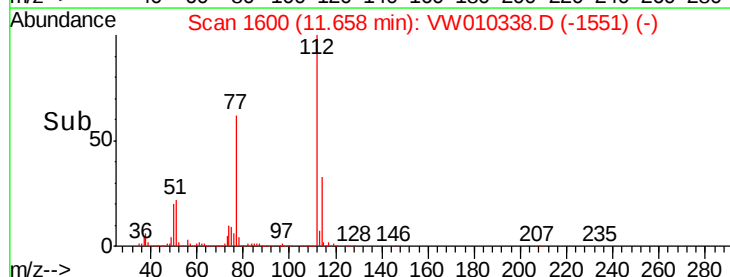
112 100

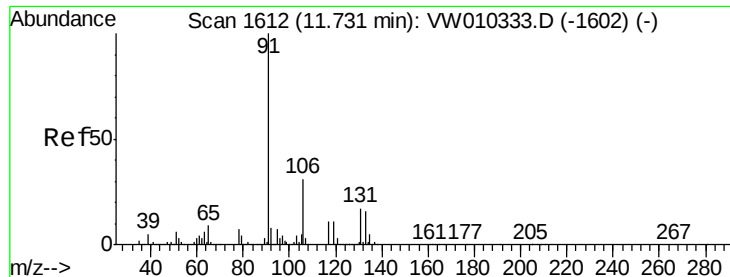
114 32.6 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

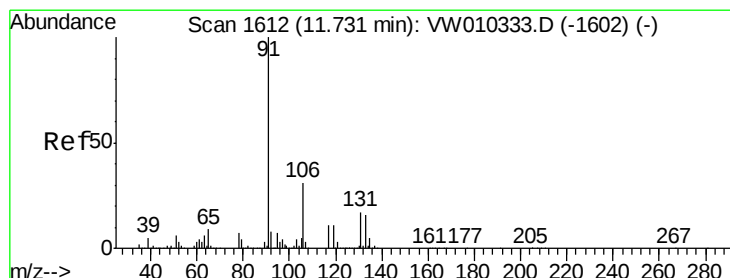
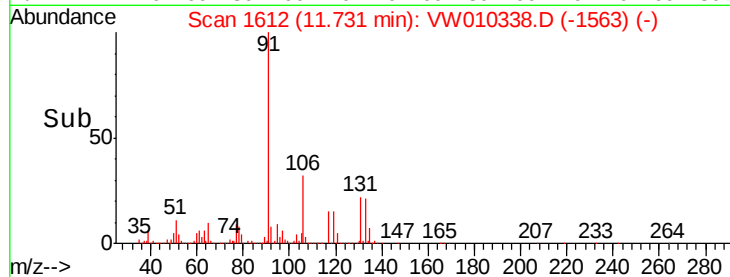
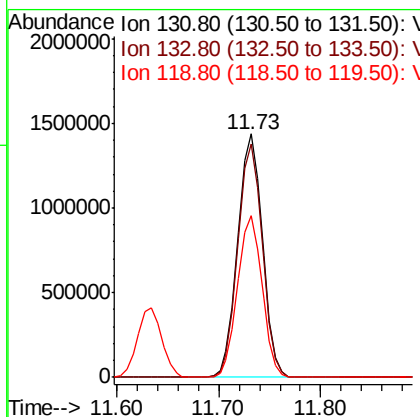
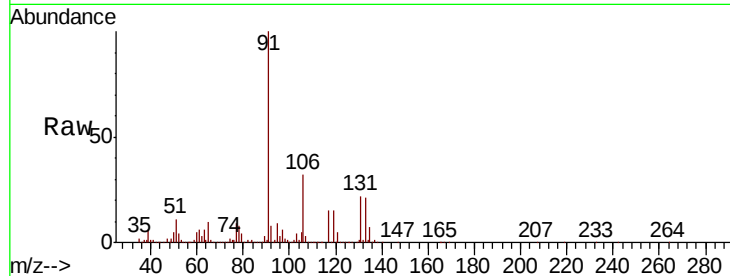




#66
 1,1,1,2-Tetrachloroethane
 Concen: 161.640 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

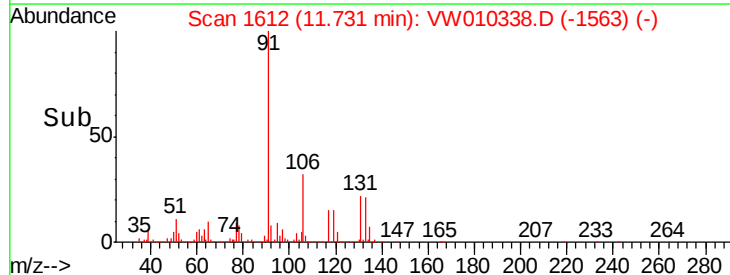
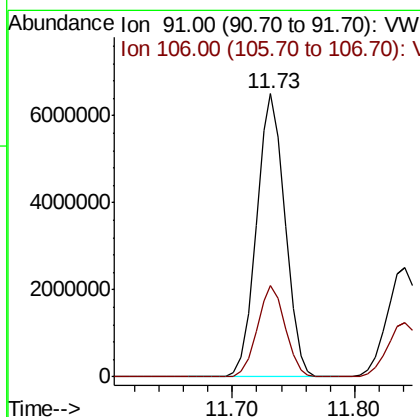
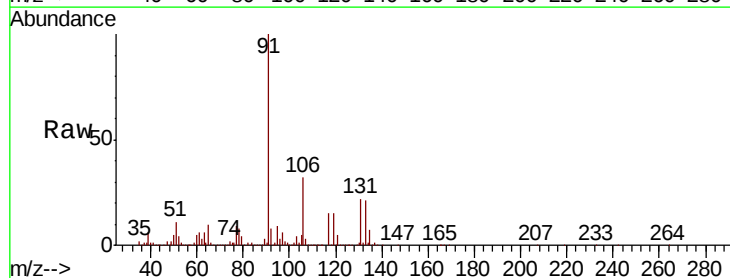
Instrument :
 MSVOA_W
 ClientSampleId :

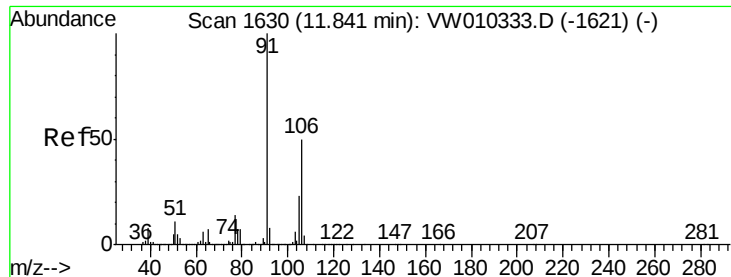
Tot Ion:131 Resp: 2398381
 Ion Ratio Lower Upper
 131 100
 133 95.4 46.5 139.5
 119 66.2 31.9 95.5



#67
 Ethyl Benzene
 Concen: 130.668 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Tgt Ion: 91 Resp:10552760
 Ion Ratio Lower Upper
 91 100
 106 32.4 23.8 35.8

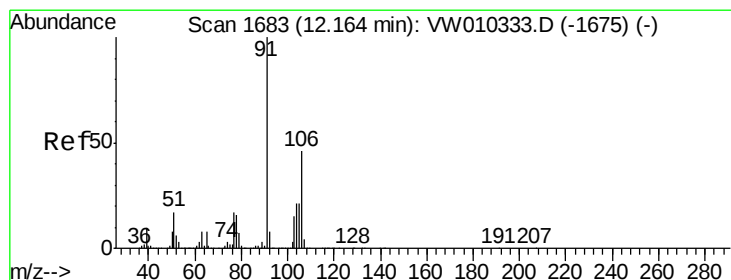
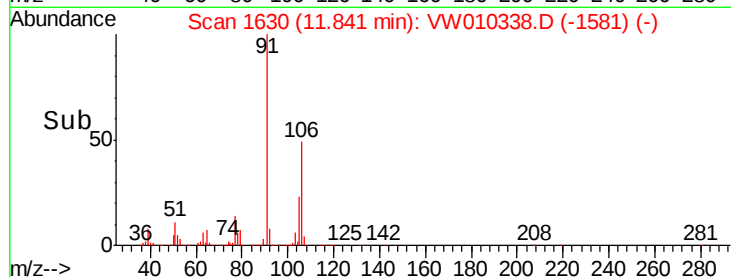
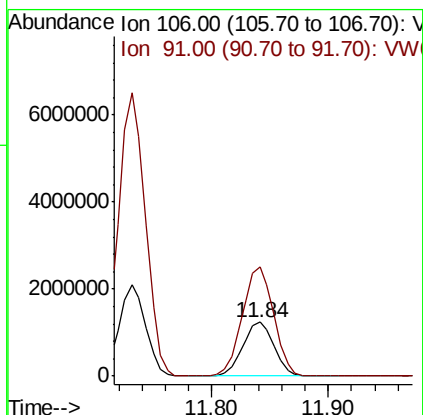
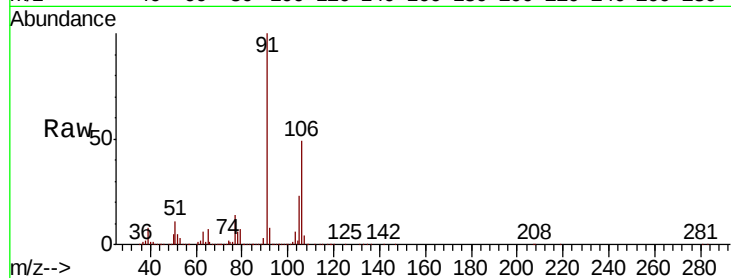




#68
m/p-Xylenes
Concen: 77.127 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

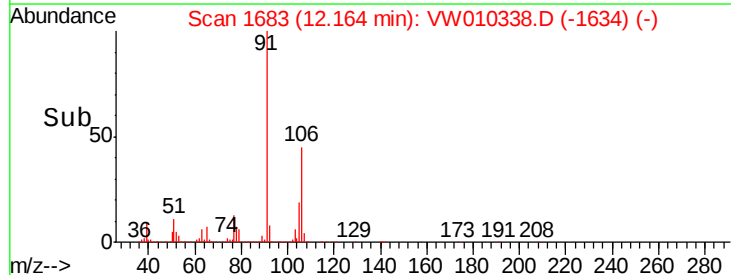
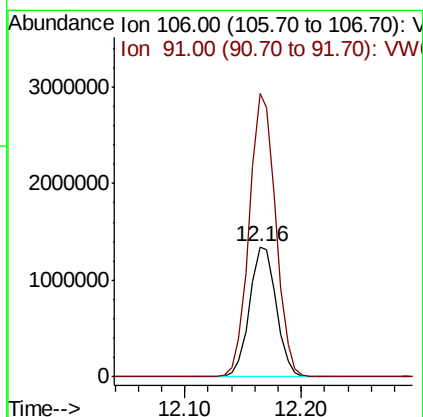
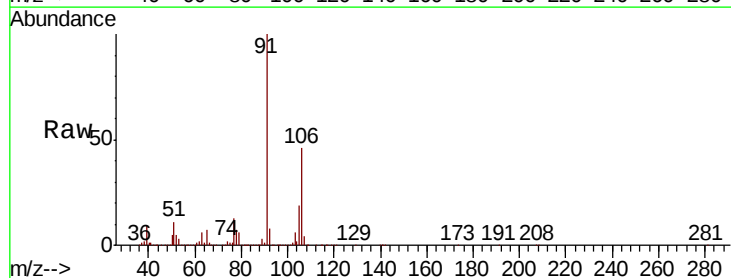
Instrument :
MSVOA_W
ClientSampleId :

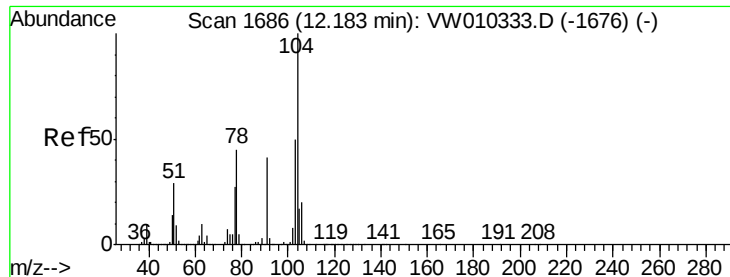
Tot Ion:106 Resp: 2314282
Ion Ratio Lower Upper
106 100
91 203.7 165.0 247.6



#69
o-Xylene
Concen: 79.322 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

Tgt Ion:106 Resp: 2153074
Ion Ratio Lower Upper
106 100
91 216.2 110.5 331.4

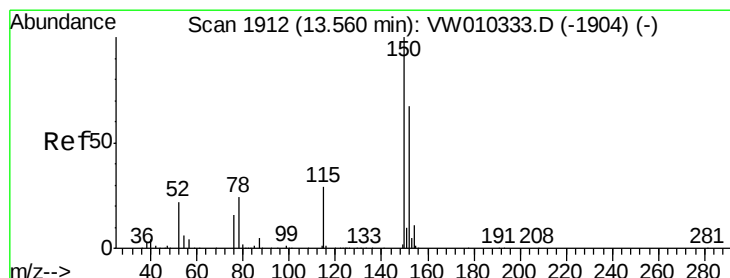
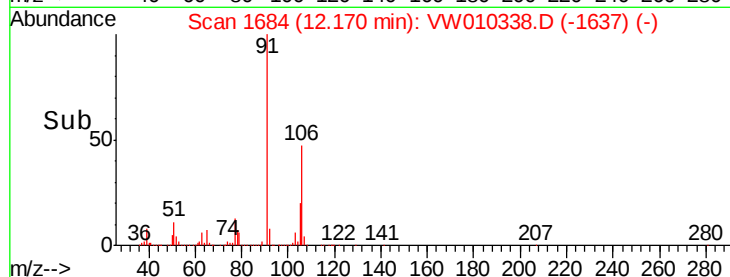
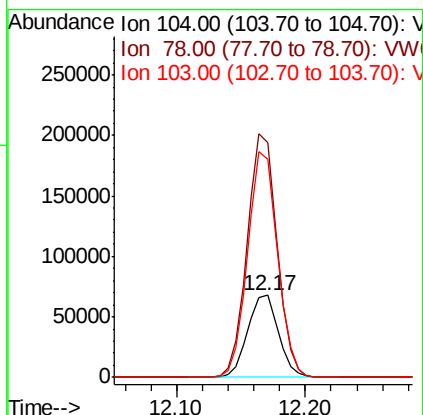
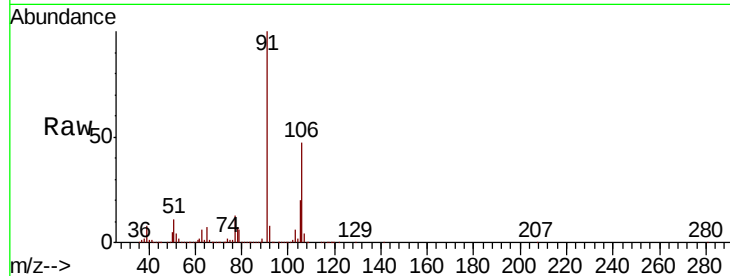




#70
Stvrene
Concen: 2.366 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

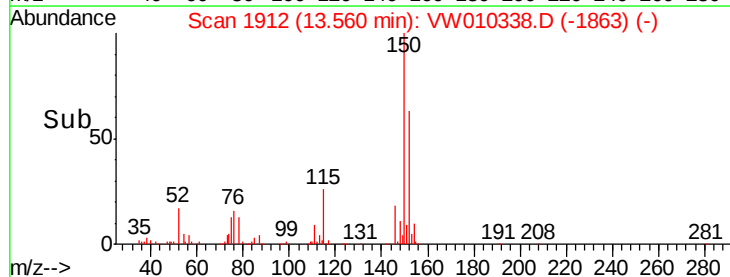
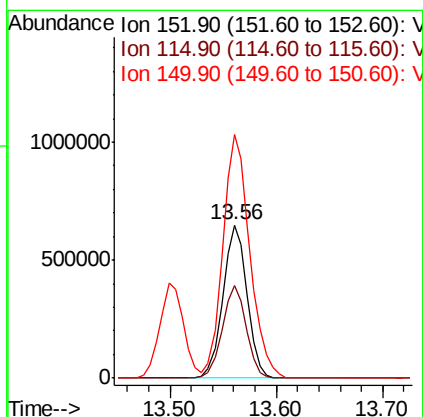
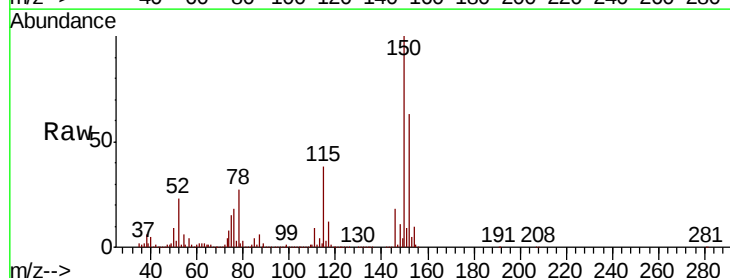
Instrument :
MSVOA_W
ClientSampleId :

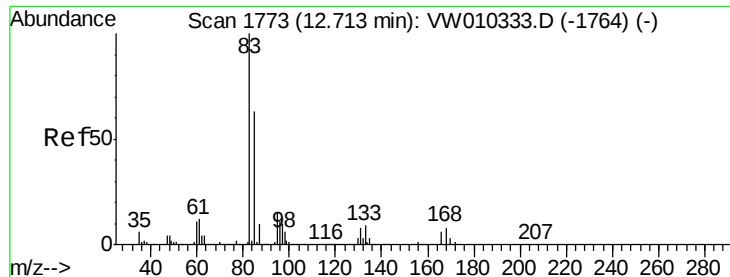
Tot Ion:104 Resp: 111903
Ion Ratio Lower Upper
104 100
78 286.8 42.5 63.7#
103 266.1 43.6 65.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

Tgt Ion:152 Resp: 1021596
Ion Ratio Lower Upper
152 100
115 60.1 30.4 91.2
150 177.5 0.0 347.0





#75

1,1,2,2-Tetrachloroethane

Concen: 119.784 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

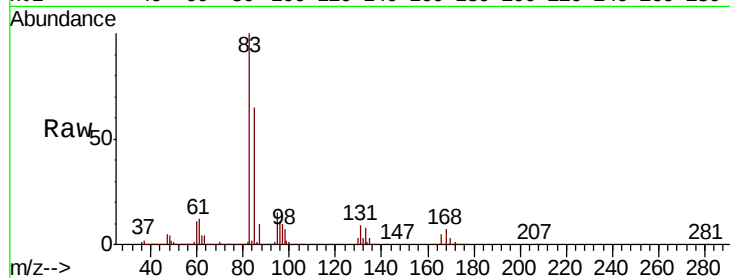
Tot Ion: 83 Resp: 1965310

Ion	Ratio	Lower	Upper
83	100		
131	9.1	5.3	15.8
85	64.1	32.0	96.2

83 100

131 9.1 5.3 15.8

85 64.1 32.0 96.2

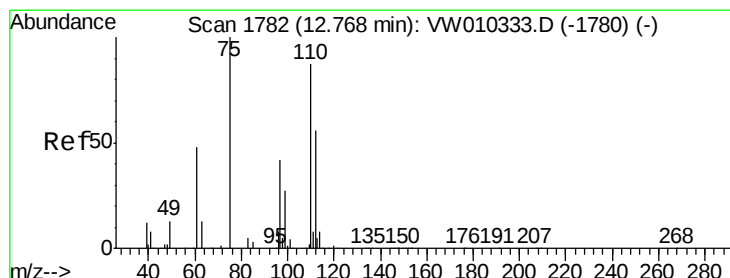
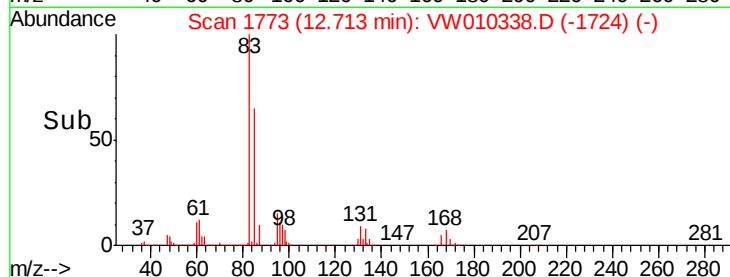
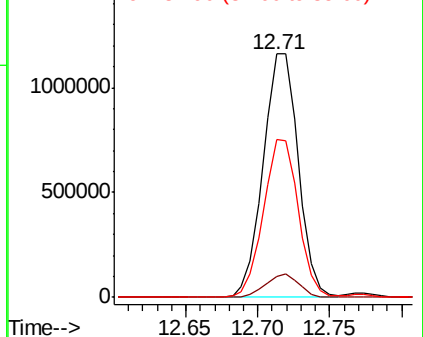


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 107.640 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010338.D

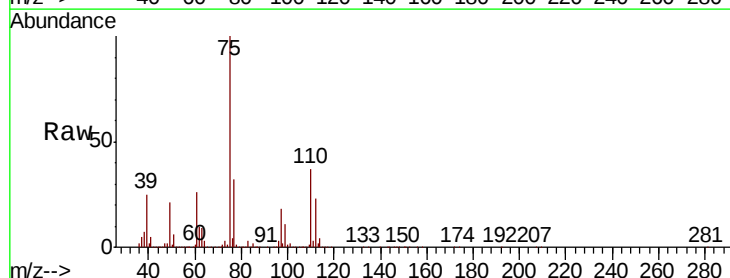
Acq: 09 May 2019 15:55

Tgt Ion: 75 Resp: 1282092

Ion	Ratio	Lower	Upper
75	100		
77	32.3	0.0	0.0#

75 100

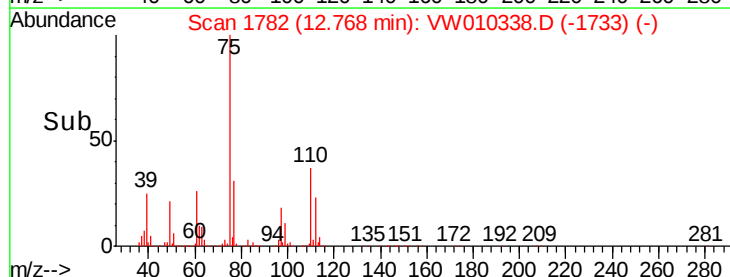
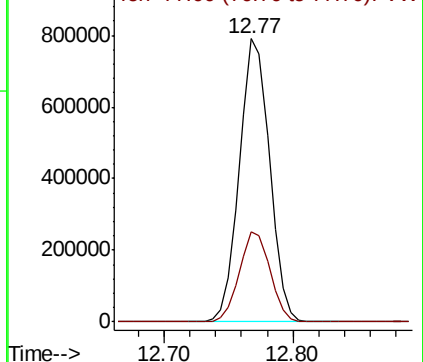
77 32.3 0.0 0.0#

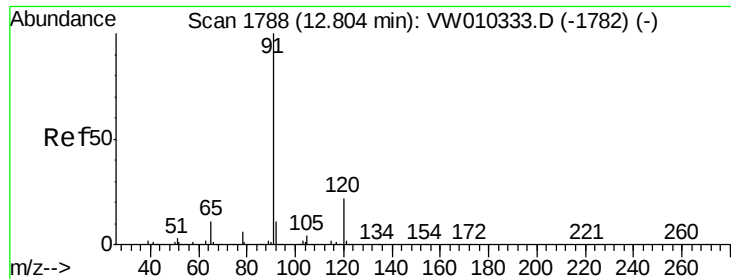


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#78

n-propylbenzene

Concen: 4.193 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.14 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

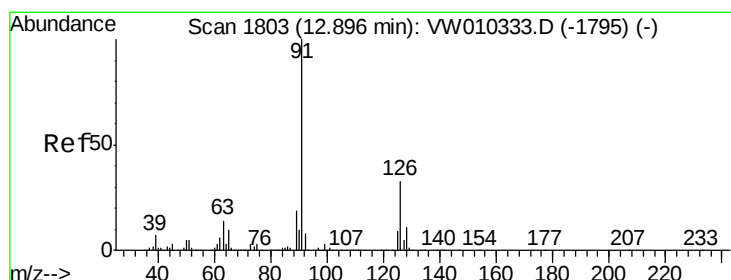
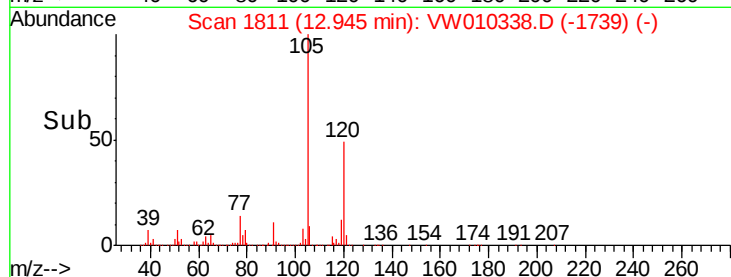
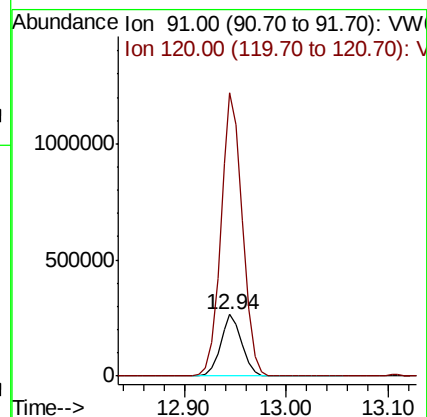
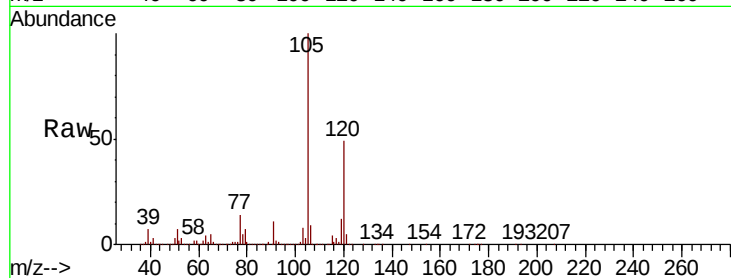
ClientSampleId :

Tot Ion: 91 Resp: 385654

Ion Ratio Lower Upper

91 100

120 464.1 11.1 33.1#



#79

2-Chlorotoluene

Concen: 7.363 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.05 min

Lab File: VW010338.D

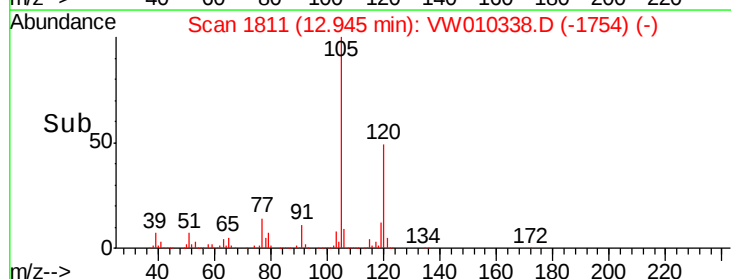
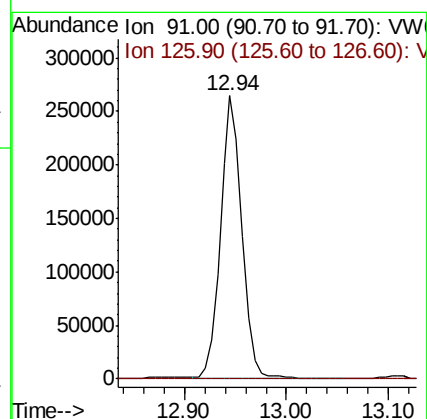
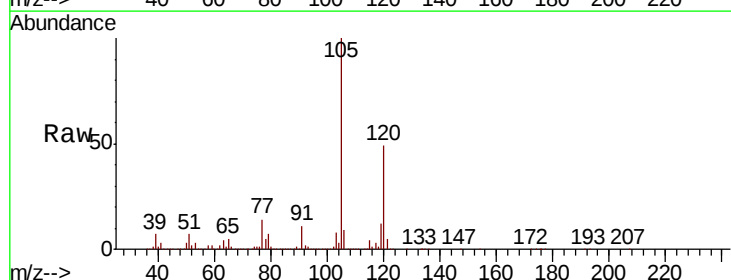
Acq: 09 May 2019 15:55

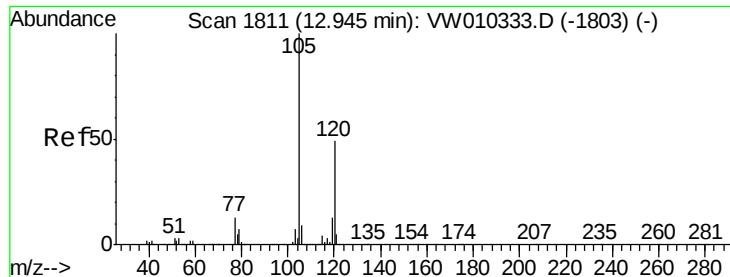
Tgt Ion: 91 Resp: 385654

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#

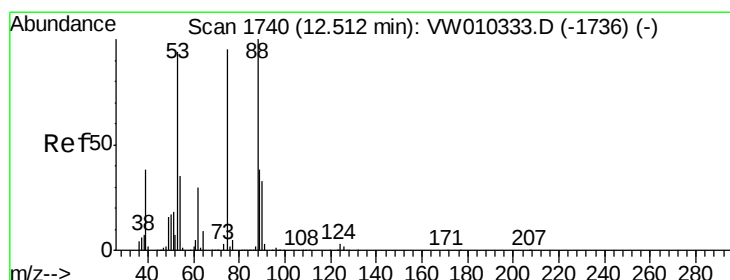
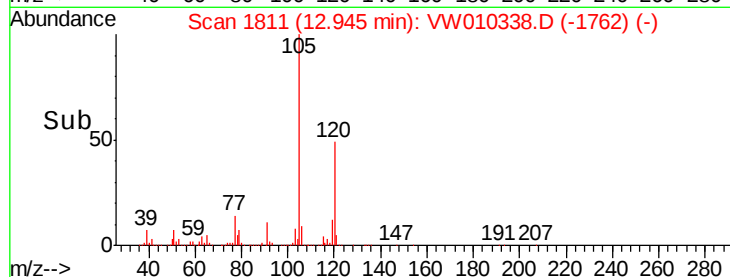
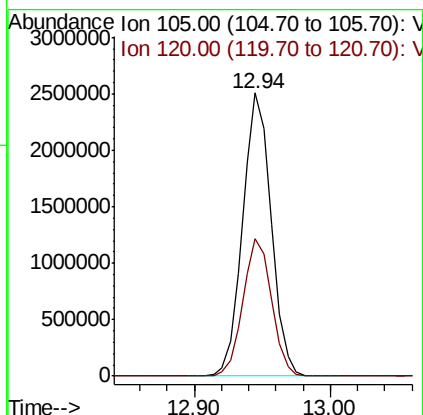
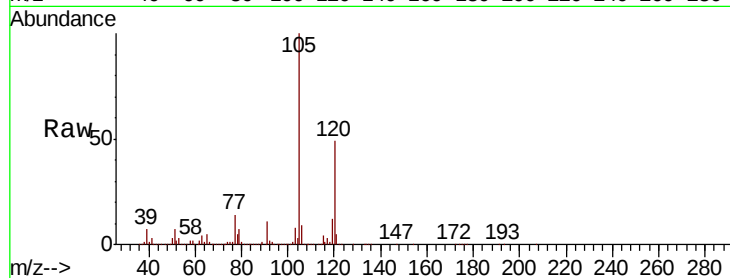




#80
 1,3,5-Trimethylbenzene
 Concen: 58.342 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

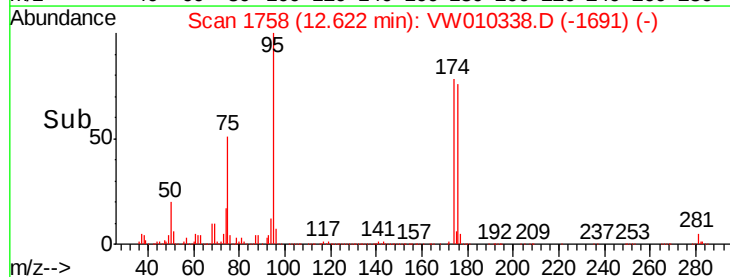
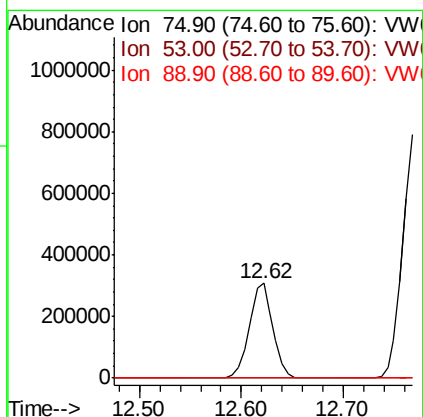
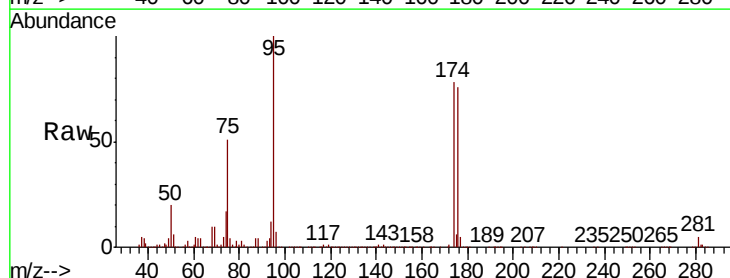
Instrument :
 MSVOA_W
 ClientSampled :

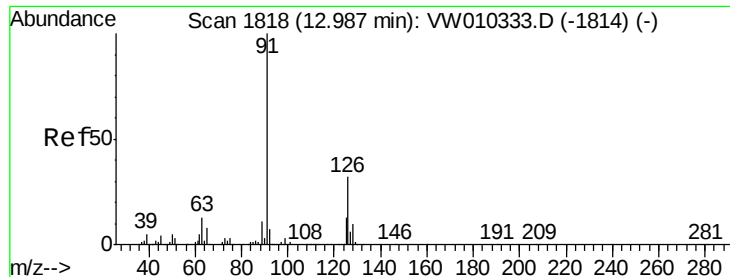
Tot Ion:105 Resp: 3662535
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.135 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Tgt Ion: 75 Resp: 491222
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.8 134.8#
 89 0.1 36.6 54.8#





#82

4-Chlorotoluene

Concen: 7.028 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.04 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

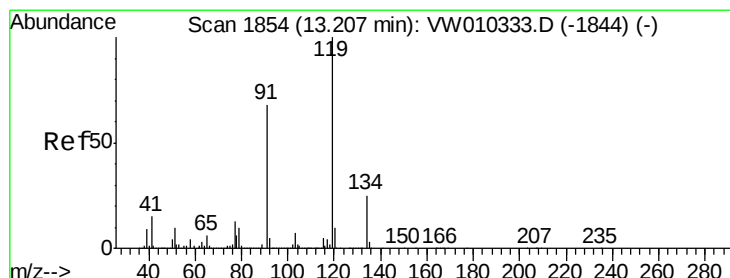
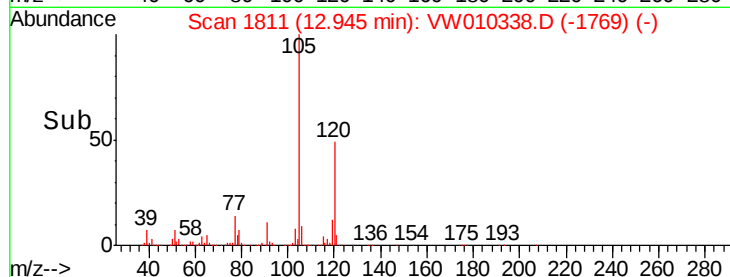
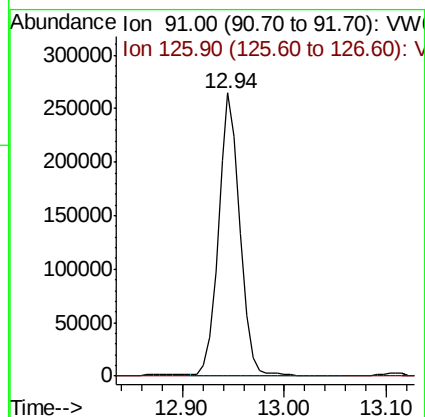
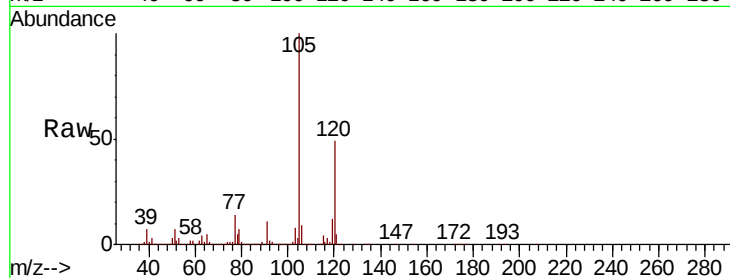
ClientSampleId :

Tot Ion: 91 Resp: 385654

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



#83

tert-Butylbenzene

Concen: 15.218 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.05 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

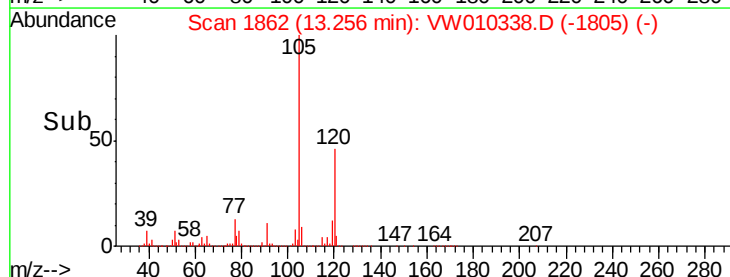
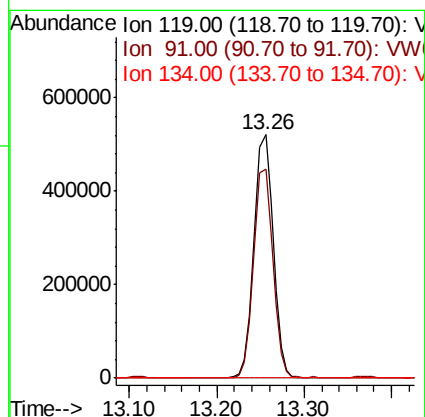
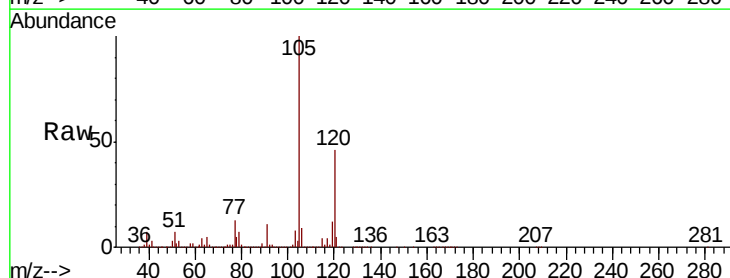
Tgt Ion: 119 Resp: 796860

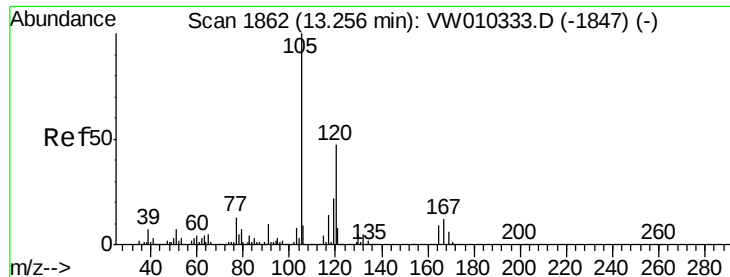
Ion Ratio Lower Upper

119 100

91 86.4 34.8 104.4

134 0.4 13.7 41.1#

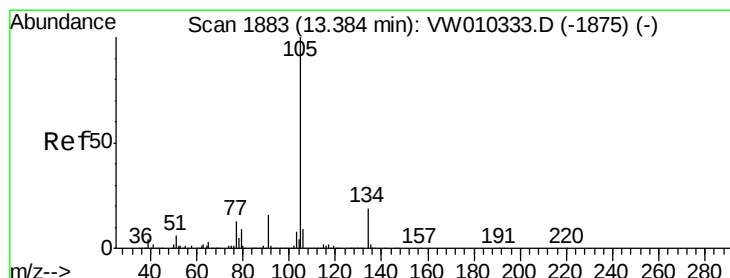
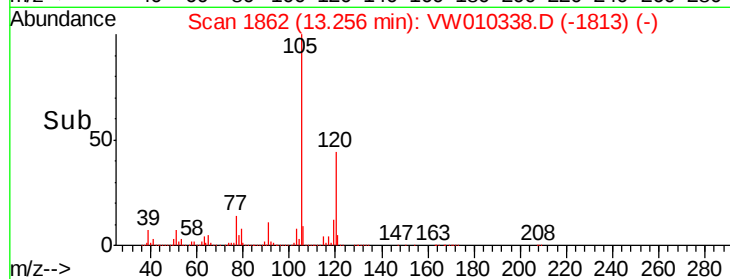
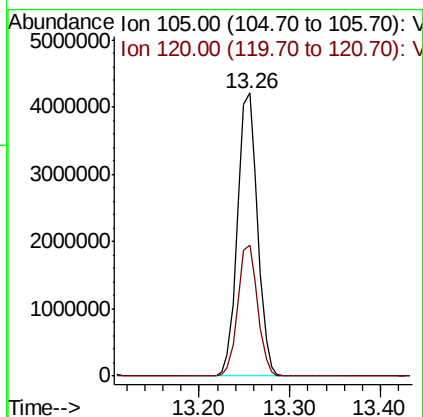
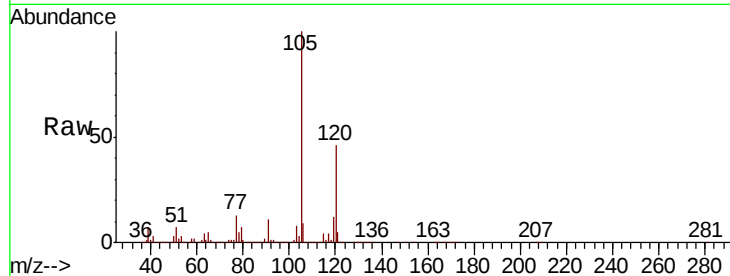




#84
 1,2,4-Trimethylbenzene
 Concen: 103.262 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

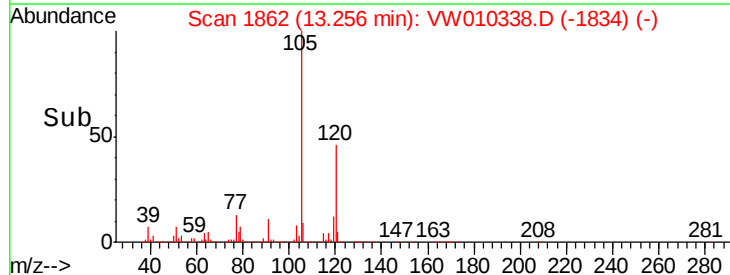
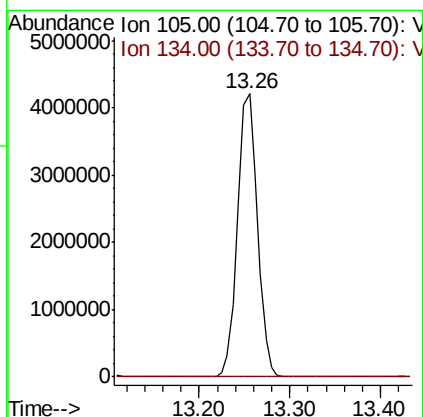
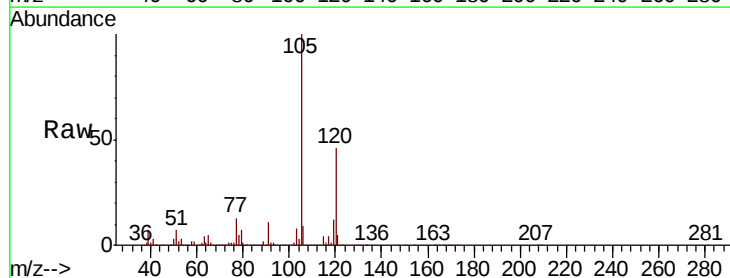
Instrument :
 MSVOA_W
 ClientSampleId :

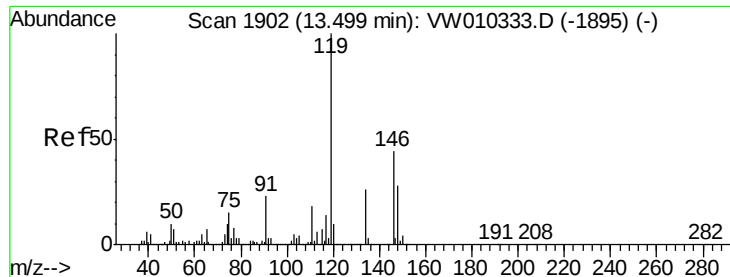
Tot Ion:105 Resp: 6441738
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 83.336 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Tgt Ion:105 Resp: 6441738
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.5#

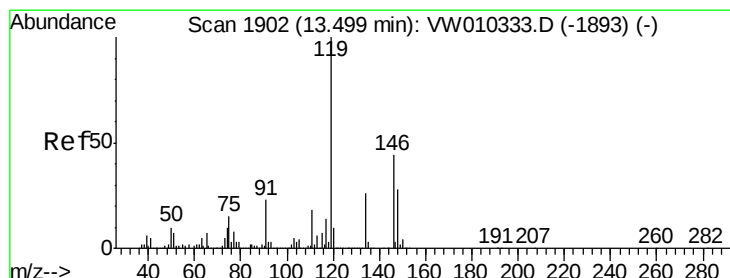
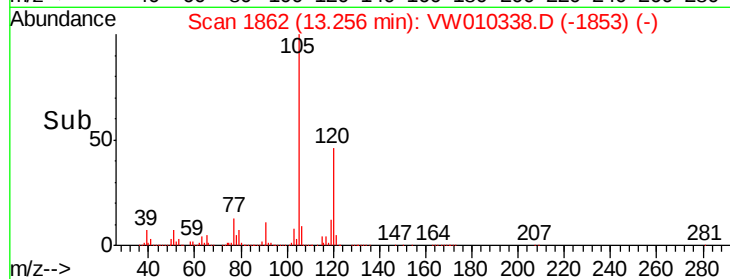
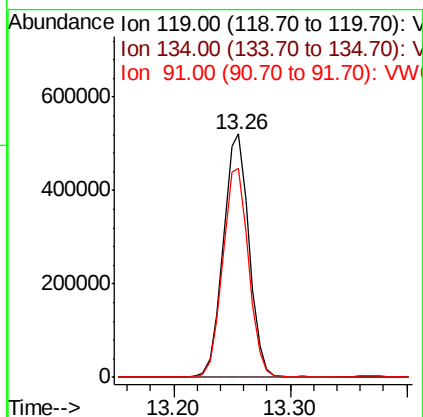
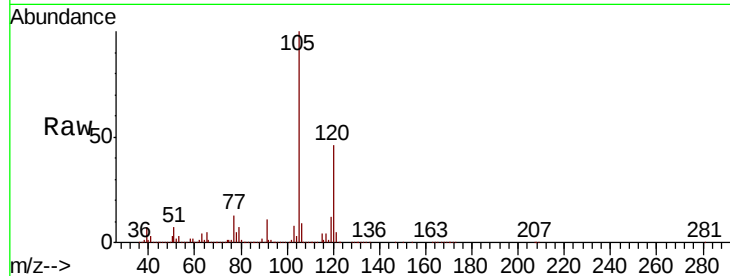




#86
 p-Isopropyltoluene
 Concen: 11.567 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.24 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

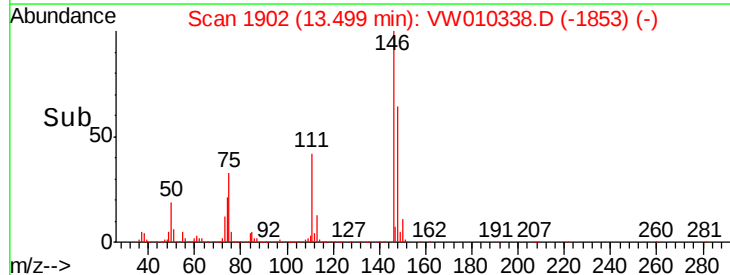
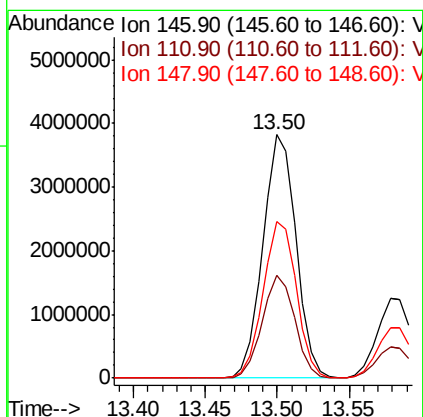
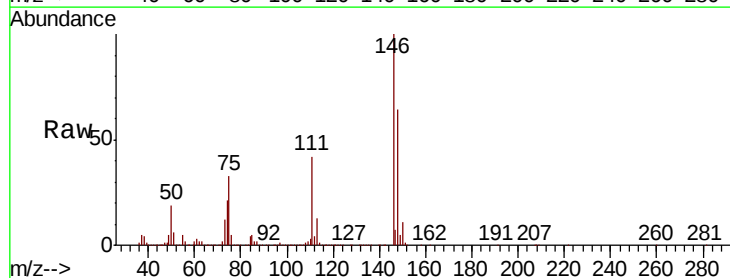
Instrument :
 MSVOA_W
 ClientSampleId :

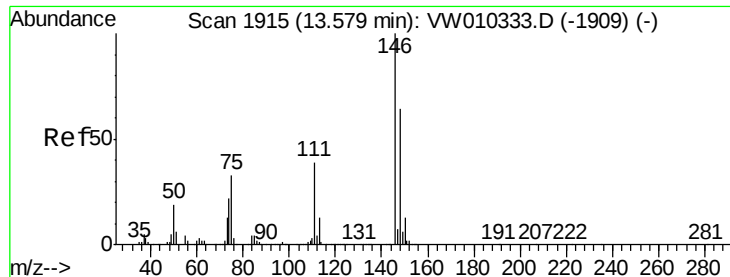
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.4	13.0	38.9#
91	86.1	12.3	36.9#



#87
 1,3-Dichlorobenzene
 Concen: 181.440 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	61.0
148	64.7	32.0	96.2





#88

1,4-Dichlorobenzene

Concen: 60.682 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

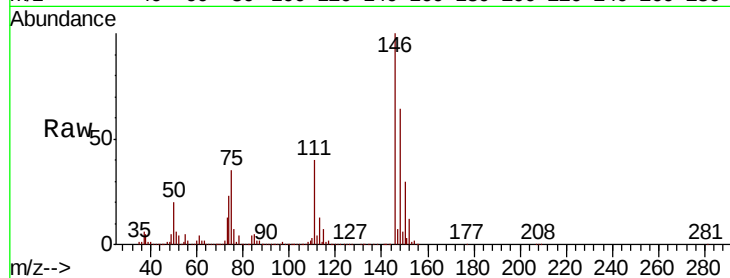
Tot Ion:146 Resp: 2021834

Ion Ratio Lower Upper

146 100

111 40.0 20.1 60.3

148 64.1 31.8 95.3

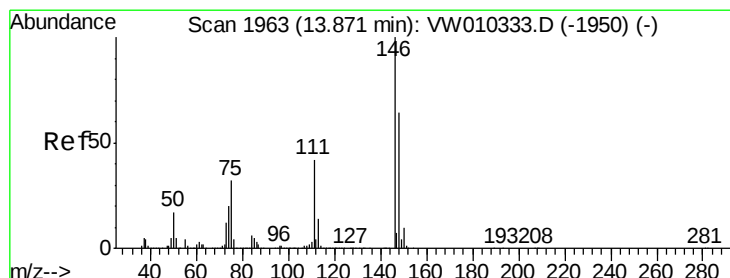
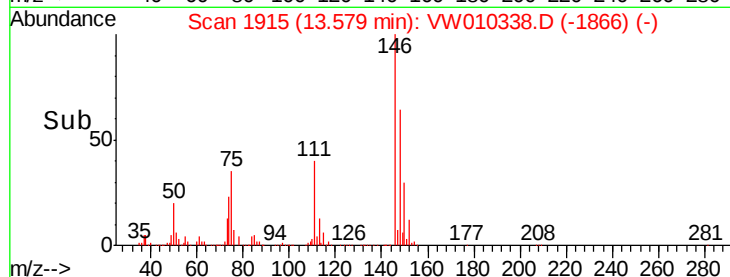
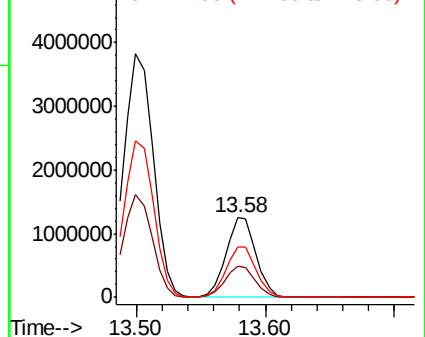


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 127.375 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

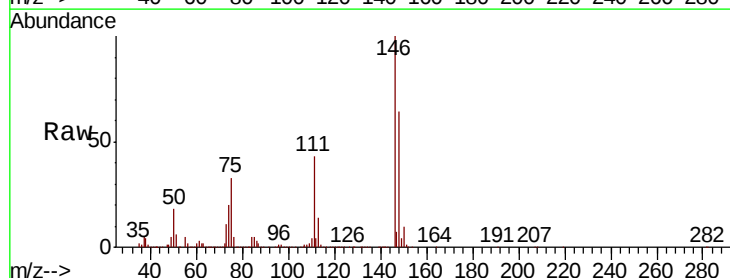
Tgt Ion:146 Resp: 3785635

Ion Ratio Lower Upper

146 100

111 43.0 20.9 62.8

148 63.7 31.9 95.7

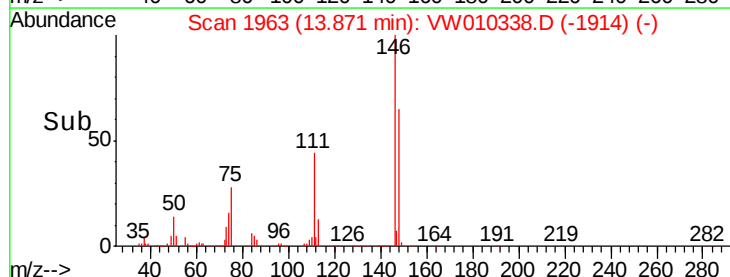
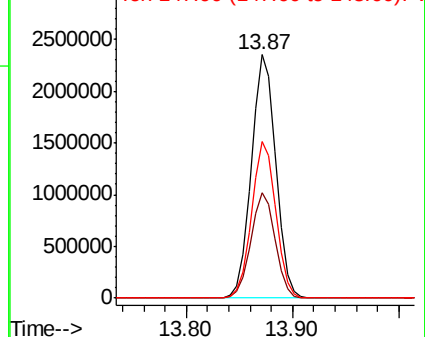


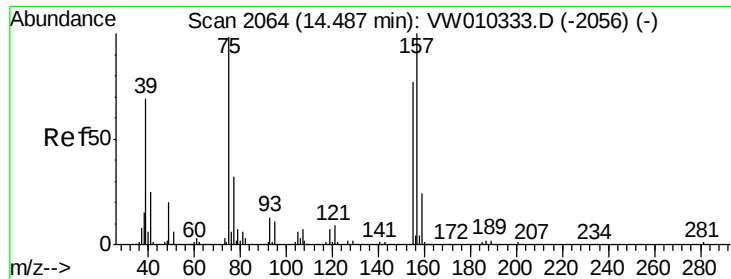
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 129.562 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

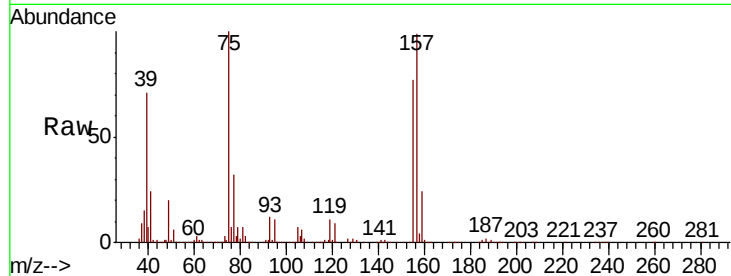
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 382796

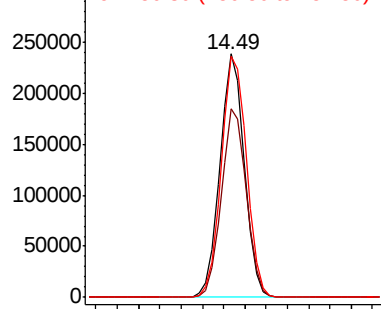
Ion	Ratio	Lower	Upper
75	100		
155	79.4	37.1	111.5
157	102.6	47.3	141.9



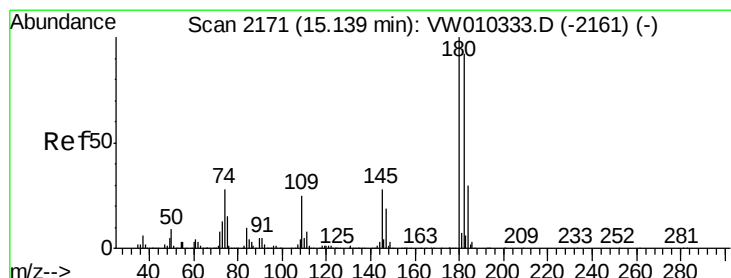
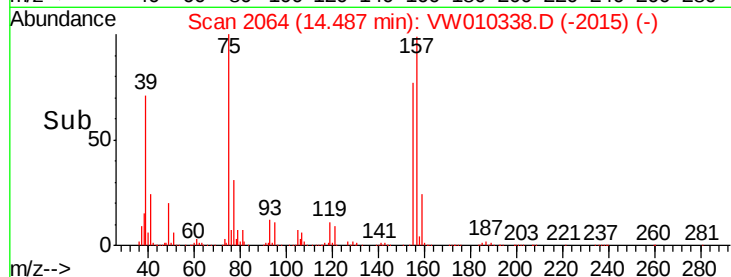
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 193.650 ug/l

RT: 15.14 min Scan# 2171

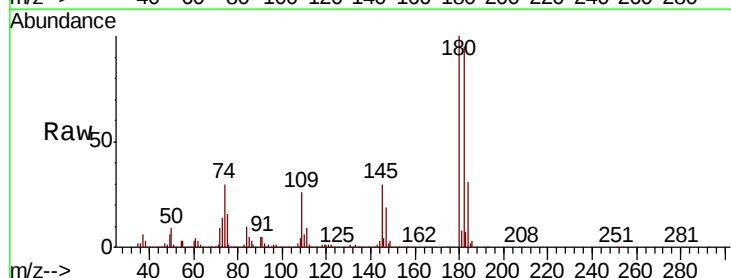
Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Tgt Ion: 180 Resp: 3927962

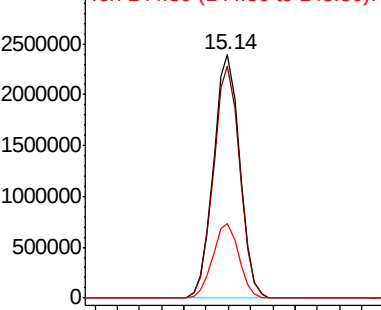
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.4
145	30.4	15.2	45.6



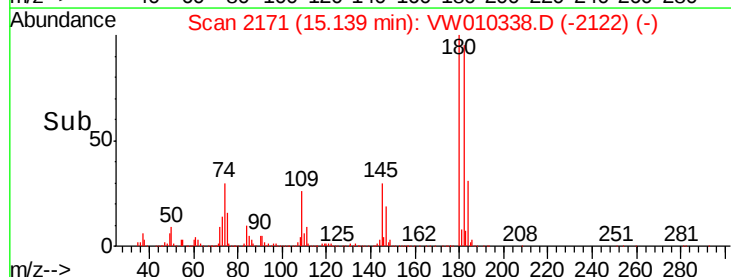
Abundance Ion 179.80 (179.50 to 180.50): V

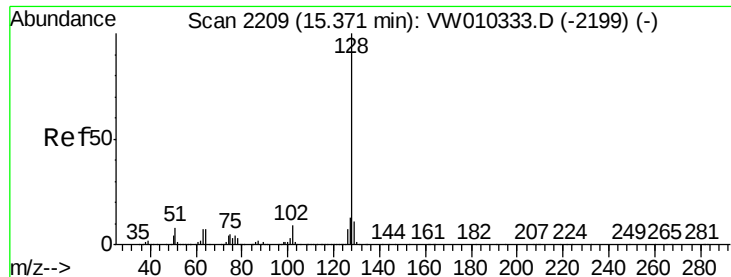
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->





#95
Naphthalene
Concen: 87.156 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 4171998
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.9 8.7 13.1

