

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051520\
 Data File : VW015439.D
 Acq On : 15 May 2020 17:31
 Operator : SY/VA
 Sample : L2679-06
 Misc : 7.57G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 16 02:54:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	391045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	291027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.54	152	321203	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	125405	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	7.88	113	117108	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	10.32	98	936832	100.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.72%	
62) 4-Bromofluorobenzene	12.62	95	587674	171.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	342.70%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.16	59	317	2.164	ug/l #	71
13) Acrolein	4.10	56	19094	102.085	ug/l #	71
15) Acrylonitrile	5.43	53	25552	54.081	ug/l #	39
16) Acetone	4.11	43	64761	164.126	ug/l #	70
20) Methylene Chloride	4.92	84	7819	3.037	ug/l #	1
25) 2-Butanone	7.16	43	20625	33.535	ug/l #	59
29) Tetrahydrofuran	7.51	42	864	2.135	ug/l #	34
30) Chloroform	7.63	83	25369	5.570	ug/l #	18
31) Cyclohexane	7.95	56	1049197	225.419	ug/l	95
36) 1,1-Dichloropropene	7.95	75	19491	5.073	ug/l #	54
37) Ethyl Acetate	7.16	43	20625	13.835	ug/l #	73
38) Carbon Tetrachloride	7.95	117	22874	6.369	ug/l #	15
39) Methylcyclohexane	9.34	83	4807291	988.488	ug/l	96
41) Methacrylonitrile	7.52	41	6768	7.185	ug/l #	56
42) 1,2-Dichloroethane	8.43	62	4447	1.393	ug/l #	1
43) Isopropyl Acetate	8.42	43	370743	118.252	ug/l #	51
45) 1,2-Dichloropropane	9.34	63	55585	21.474	ug/l #	1
47) Bromodichloromethane	9.62	83	112113	31.953	ug/l #	83
48) Methyl methacrylate	9.51	41	484545	334.586	ug/l #	51
49) 1,4-Dioxane	9.35	88	44	2.716	ug/l #	1
51) 4-Methyl-2-Pentanone	10.10	43	7864417	5352.480	ug/l #	42
55) 1,1,2-Trichloroethane	10.76	97	1927999	1059.019	ug/l #	21
56) Ethyl methacrylate	10.66	69	646279	258.367	ug/l #	23
58) 2-Chloroethyl Vinyl ether	9.90	63	6020	4.947	ug/l #	51
59) 2-Hexanone	10.94	43	3768785	3790.872	ug/l #	30
60) Dibromochloromethane	11.05	129	23751	10.847	ug/l	73
61) 1,2-Dibromoethane	11.24	107	3818	2.215	ug/l #	3
65) Chlorobenzene	11.56	112	40846	7.118	ug/l #	43
67) Ethyl Benzene	11.73	91	61452	5.595	ug/l	89
68) m/p-Xylenes	11.85	106	6302	1.543	ug/l #	1
73) Isopropylbenzene	12.46	105	3581062	149.335	ug/l	99
74) N-amyl acetate	12.26	43	4448744	784.834	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.70	83	262622	70.008	ug/l #	35
76) 1,2,3-Trichloropropane	12.80	75	46313	17.527	ug/l #	100

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 Response via : Initial Calibration

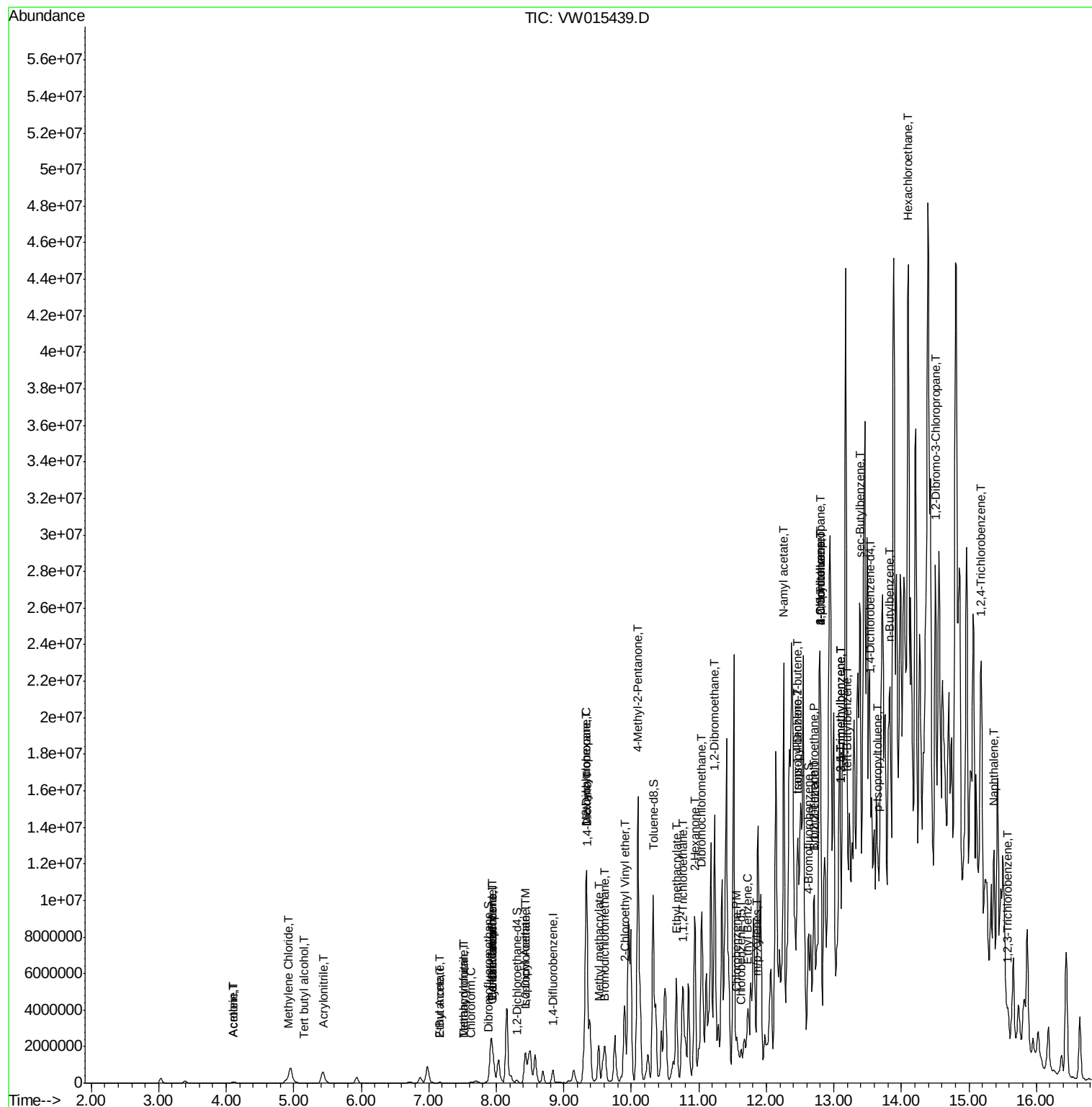
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
77) Bromobenzene	12.71	156	8945	1.760	ug/l	#	1
78) n-propylbenzene	12.80	91	7106245	246.999	ug/l		97
79) 2-Chlorotoluene	12.80	91	7106245	438.175	ug/l	#	49
80) 1,3,5-Trimethylbenzene	13.10	105	285906	14.155	ug/l		73
81) trans-1,4-Dichloro-2-buten	12.46	75	46769	35.010	ug/l	#	1
82) 4-Chlorotoluene	12.80	91	7119381	414.226	ug/l	#	50
83) tert-Butylbenzene	13.21	119	264495	15.346	ug/l	#	67
84) 1,2,4-Trimethylbenzene	13.10	105	286034	14.155	ug/l		78
85) sec-Butylbenzene	13.39	105	7952622	327.483	ug/l		83
86) p-Isopropyltoluene	13.66	119	1152808	52.050	ug/l		90
89) n-Butylbenzene	13.83	91	5720669	263.840	ug/l	#	83
90) Hexachloroethane	14.10	117	1436992	352.081	ug/l	#	14
92) 1,2-Dibromo-3-Chloropropan	14.51	75	37536	57.315	ug/l	#	26
93) 1,2,4-Trichlorobenzene	15.18	180	43564	7.395	ug/l	#	1
95) Naphthalene	15.37	128	7197075	682.070	ug/l		98
96) 1,2,3-Trichlorobenzene	15.58	180	21988	4.344	ug/l	#	12

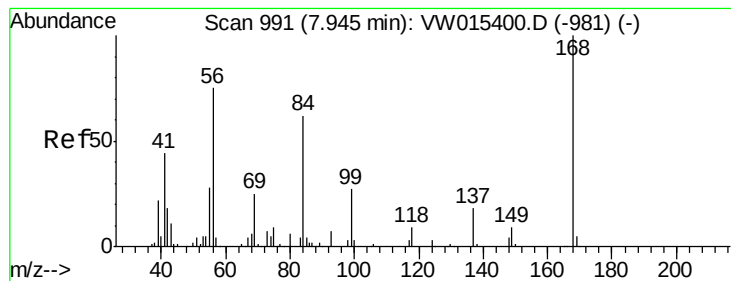
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

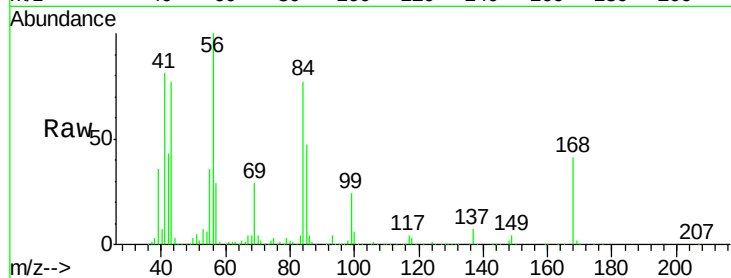
ClientSampled :

Tot Ion:168 Resp: 231062

Ion Ratio Lower Upper

168 100

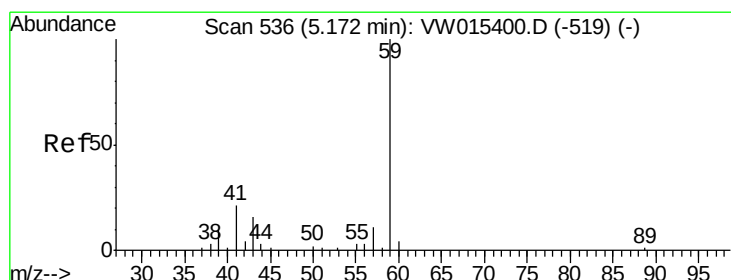
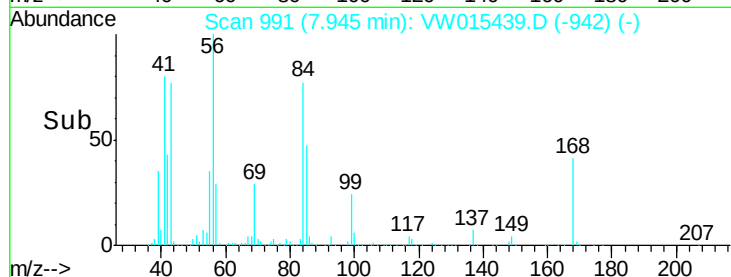
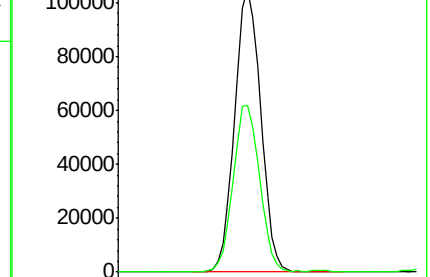
99 59.0 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95



#11

Tert butyl alcohol

Concen: 2.164 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW015439.D

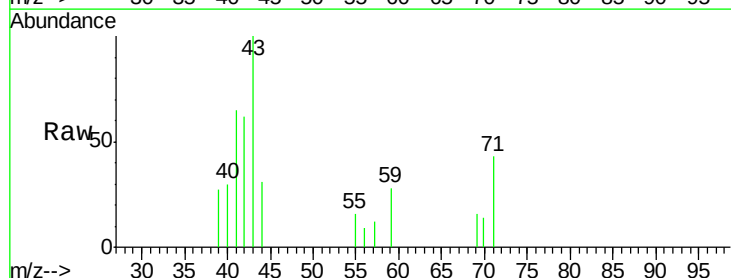
Acq: 15 May 2020 17:31

Tgt Ion: 59 Resp: 317

Ion Ratio Lower Upper

59 100

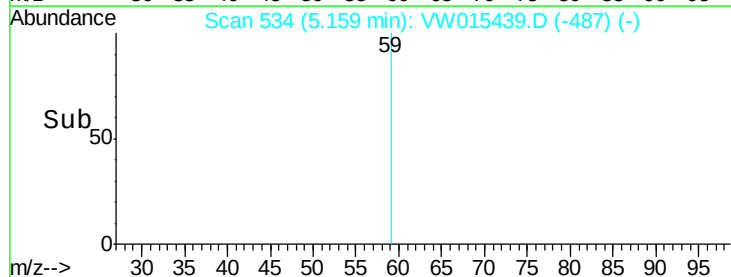
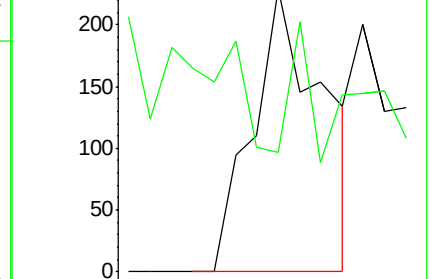
57 0.0 8.6 13.0#

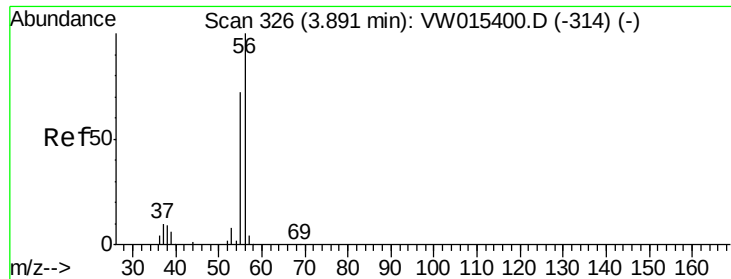


Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16





#13

Acrolein

Concen: 102.085 ug/l

RT: 4.10 min Scan# 360

Delta R.T. 0.21 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

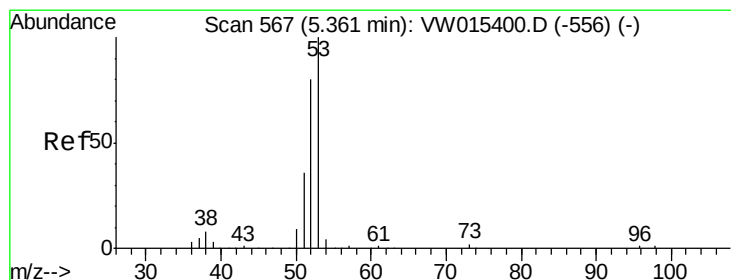
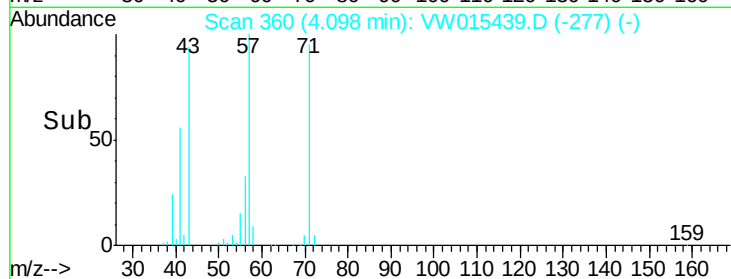
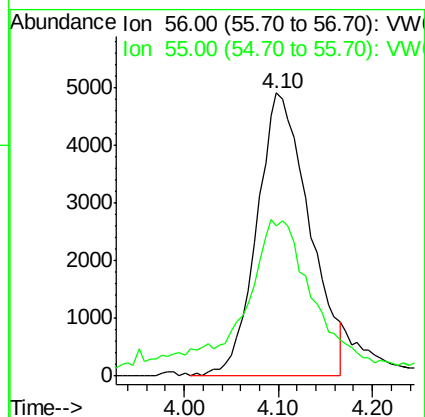
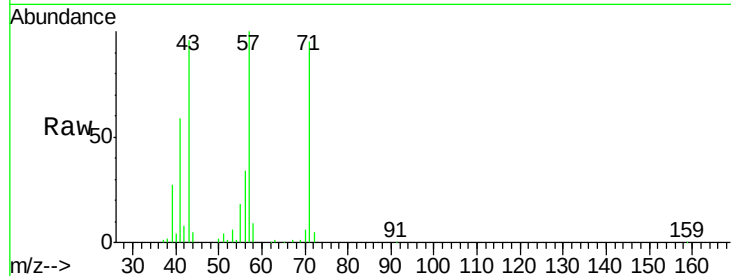
ClientSampled :

Tot Ion: 56 Resp: 19094

Ion Ratio Lower Upper

56 100

55 46.3 56.4 84.6#



#15

Acrylonitrile

Concen: 54.081 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.07 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

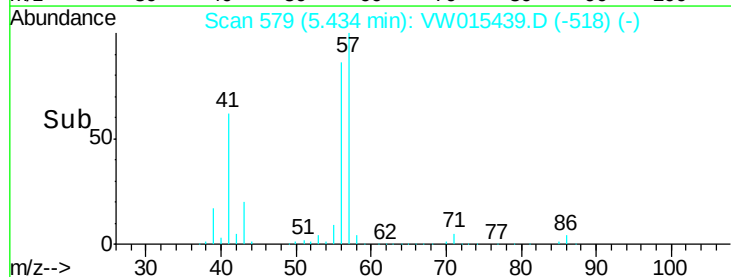
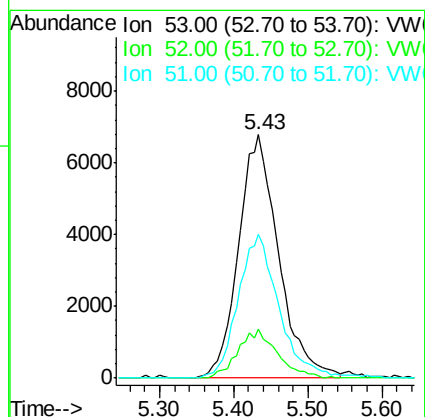
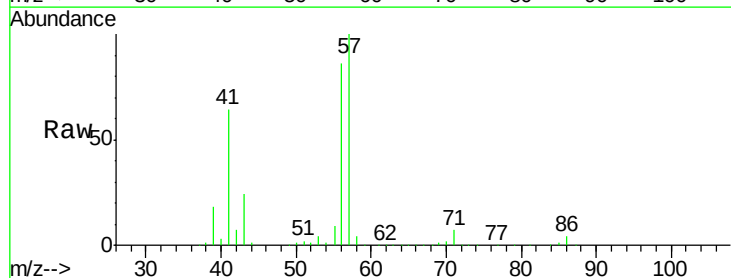
Tgt Ion: 53 Resp: 25552

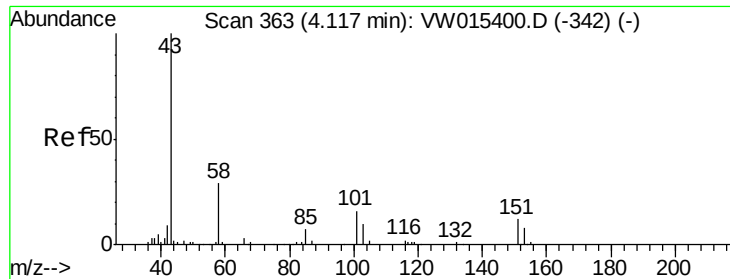
Ion Ratio Lower Upper

53 100

52 19.5 66.6 99.8#

51 60.6 30.2 45.2#

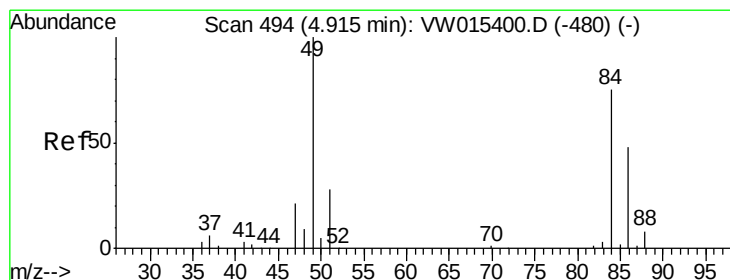
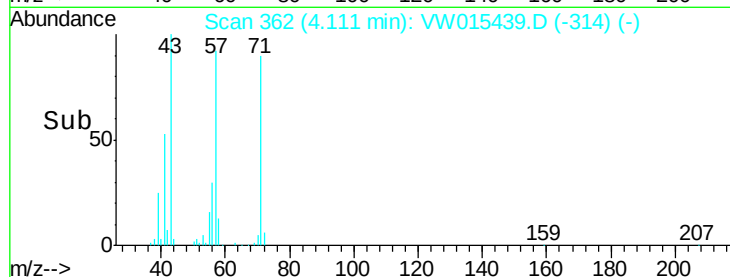
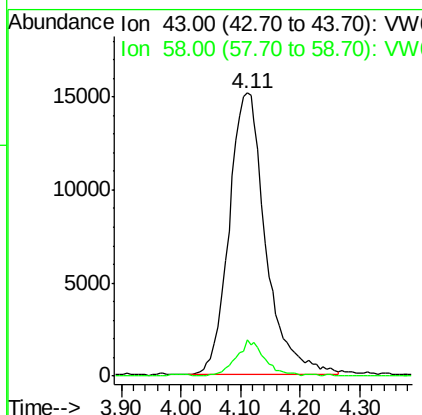
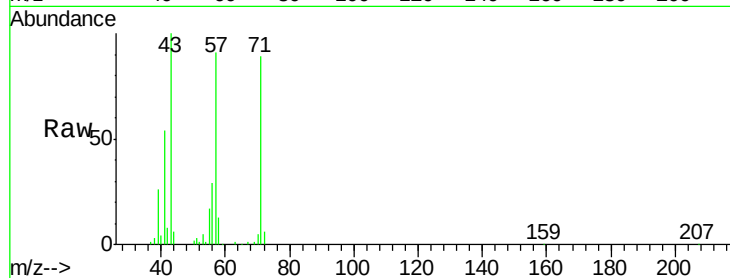




#16
Acetone
Concen: 164.126 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

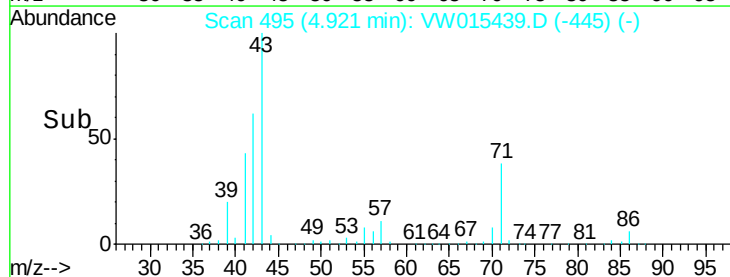
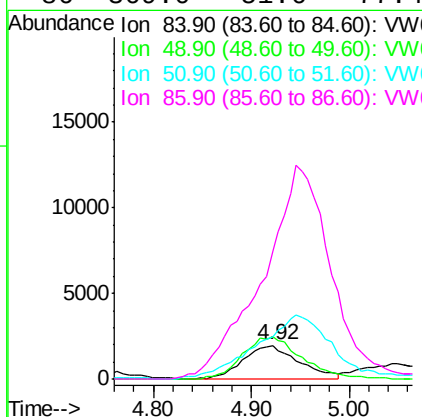
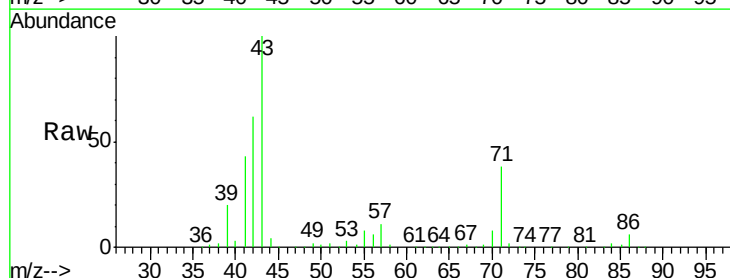
Instrument :
MSVOA_W
ClientSampleId :

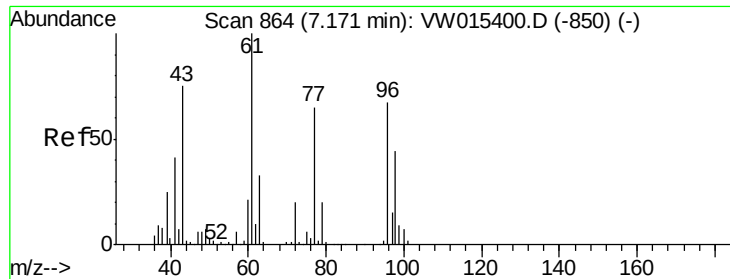
Tot Ion: 43 Resp: 64761
Ion Ratio Lower Upper
43 100
58 12.9 23.4 35.0#



#20
Methylene Chloride
Concen: 3.037 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

Tgt Ion: 84 Resp: 7819
Ion Ratio Lower Upper
84 100
49 127.8 106.4 159.6
51 119.6 30.2 45.2#
86 369.0 51.6 77.4#





#25

2-Butanone

Concen: 33.535 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

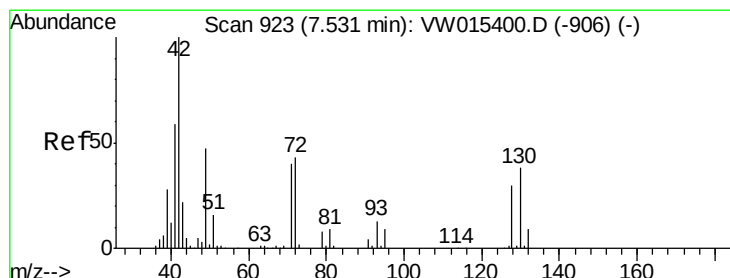
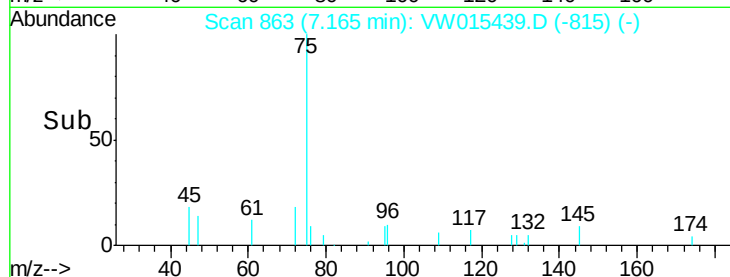
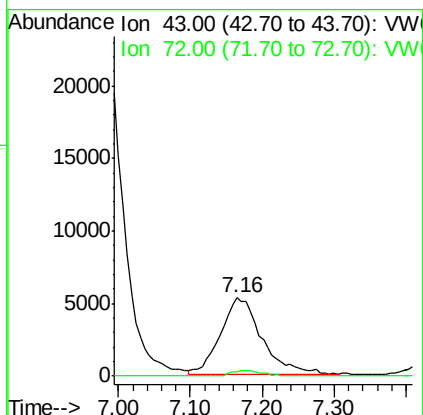
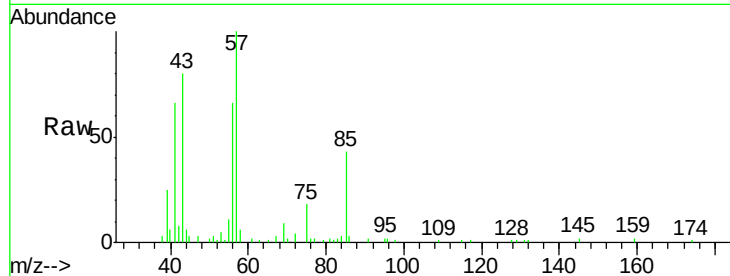
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 20625

Ion Ratio Lower Upper

43 100

72 5.7 21.4 32.0#



#29

Tetrahydrofuran

Concen: 2.135 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.02 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

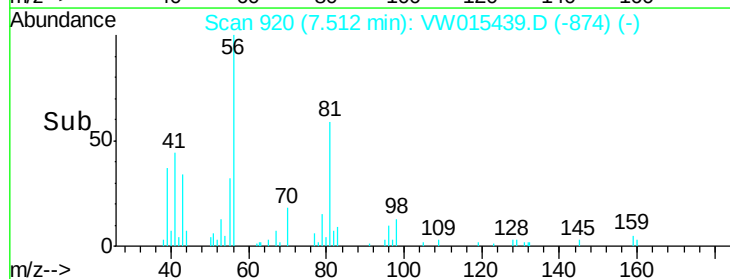
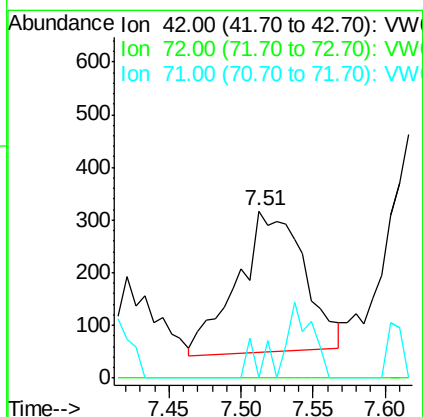
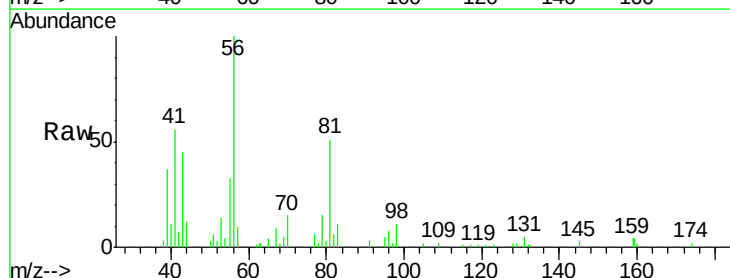
Tgt Ion: 42 Resp: 864

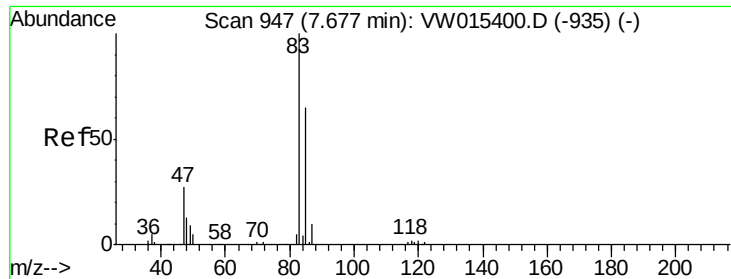
Ion Ratio Lower Upper

42 100

72 0.0 33.6 50.4#

71 0.0 32.1 48.1#

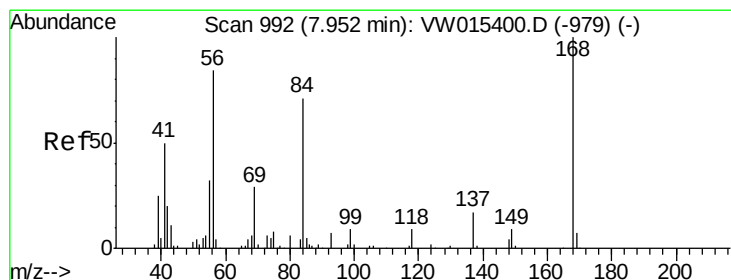
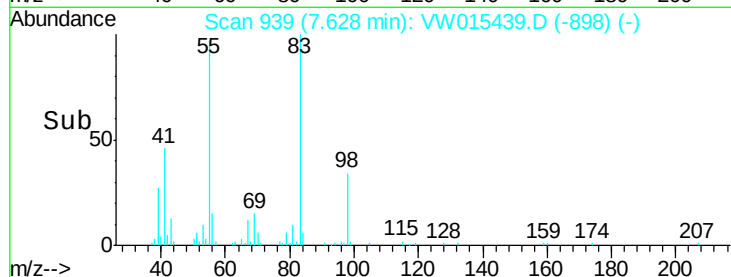
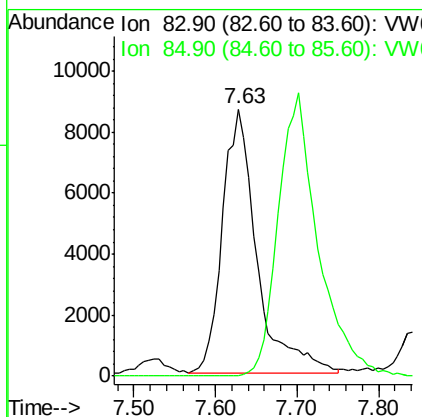
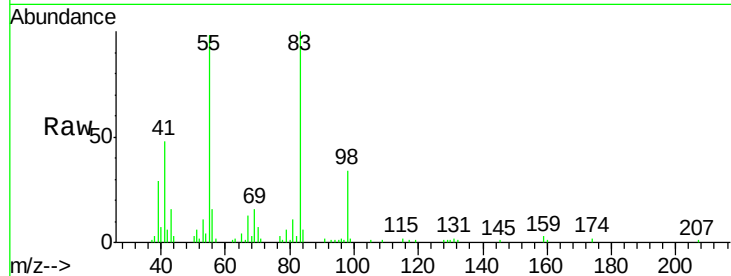




#30
Chloroform
Concen: 5.570 ug/l
RT: 7.63 min Scan# 939
Delta R.T. -0.05 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

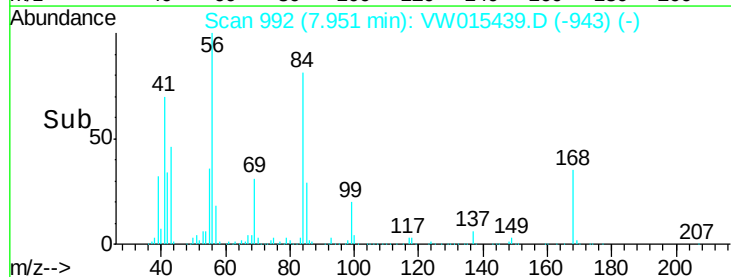
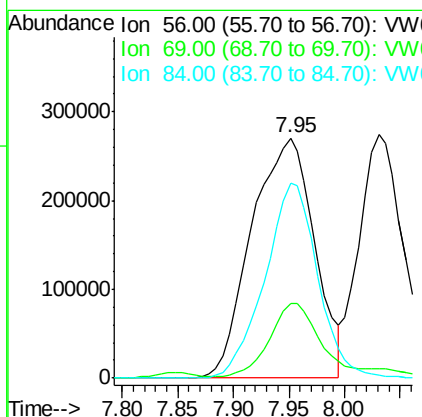
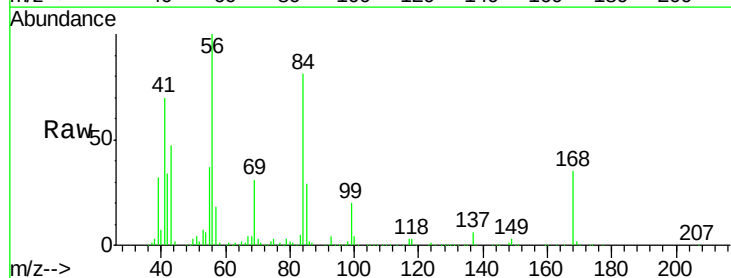
Instrument :
MSVOA_W
ClientSampled :

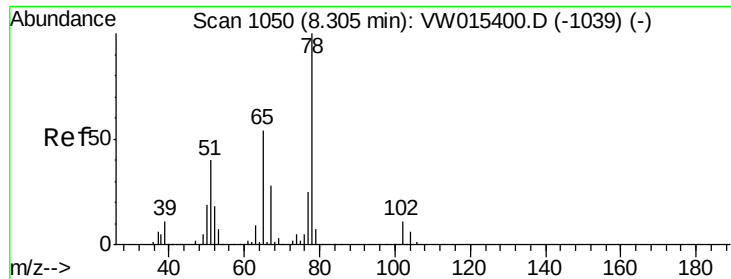
Tot Ion: 83 Resp: 25369
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.6#



#31
Cyclohexane
Concen: 225.419 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

Tgt Ion: 56 Resp: 1049197
Ion Ratio Lower Upper
56 100
69 29.4 27.2 40.8
84 81.4 67.7 101.5

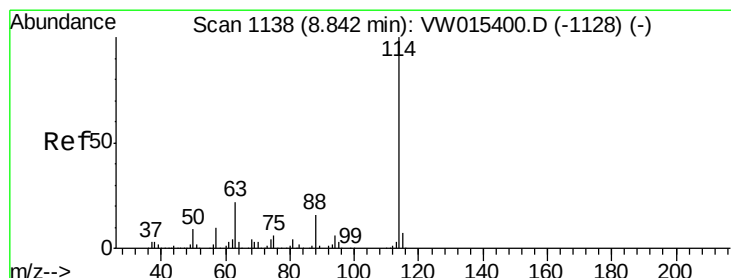
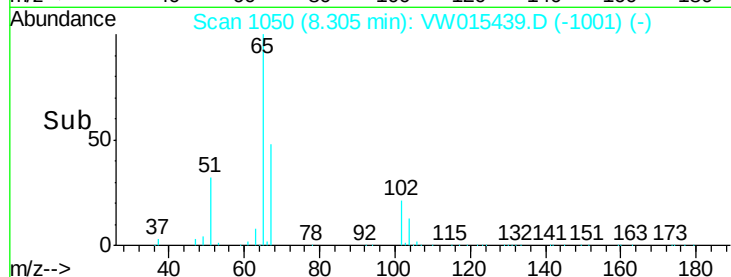
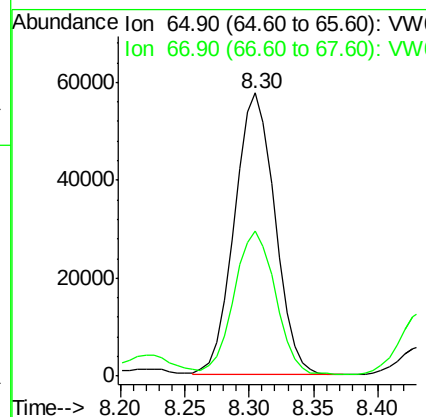
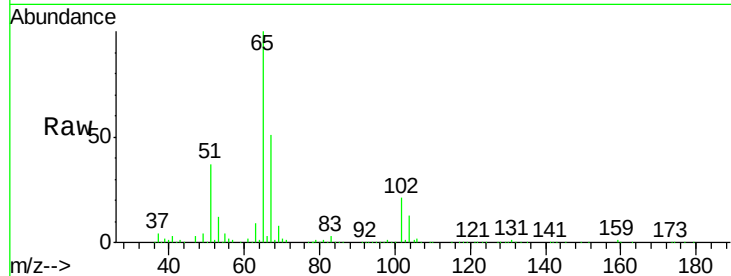




#33
 1,2-Dichloroethane-d4
 Concen: 49.373 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015439.D
 Acq: 15 May 2020 17:31

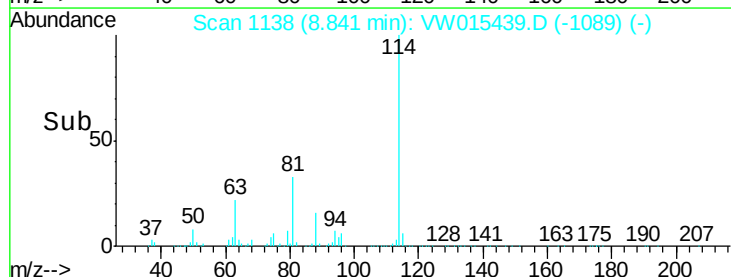
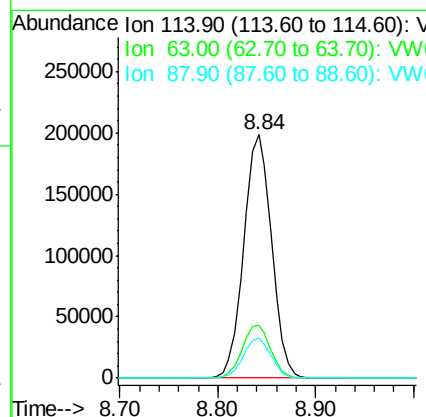
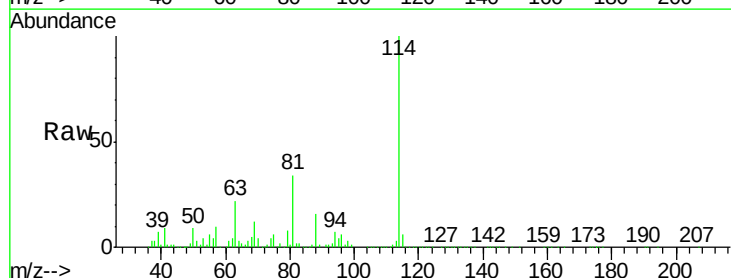
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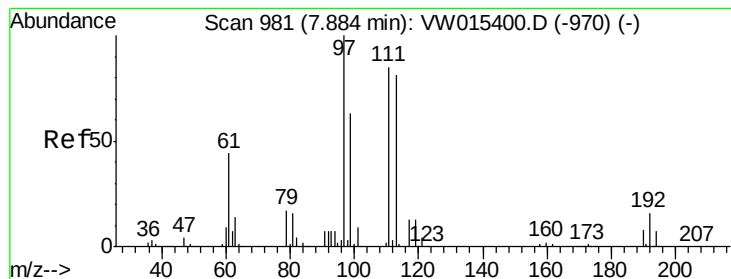
Tot Ion: 65 Resp: 125405
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015439.D
 Acq: 15 May 2020 17:31

Tgt Ion: 114 Resp: 391045
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.4
 88 16.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.177 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

ClientSampleId :

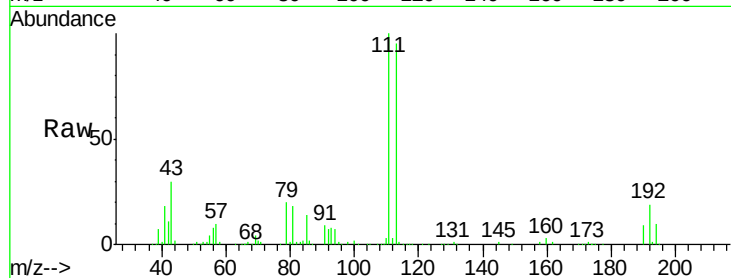
Tot Ion:113 Resp: 117108

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

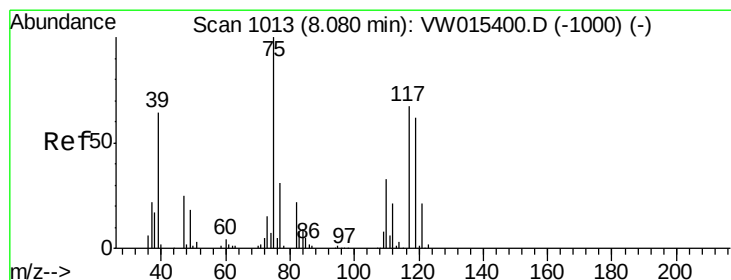
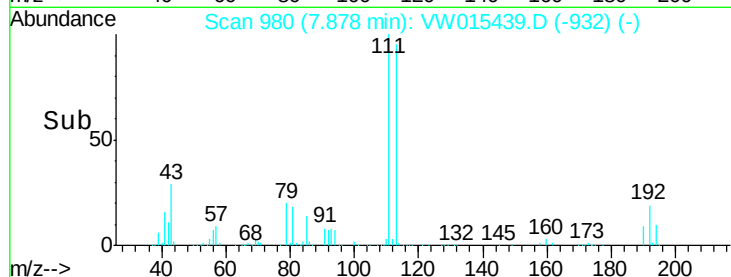
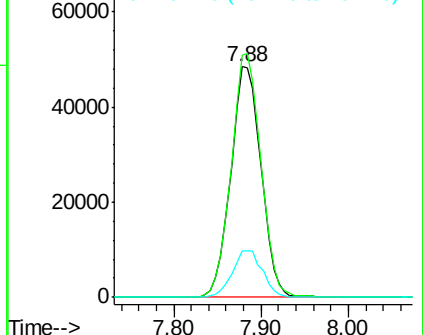
192 20.1 15.4 23.0



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: 5.073 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

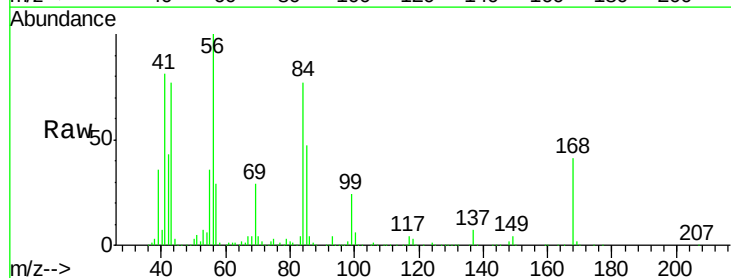
Tgt Ion: 75 Resp: 19491

Ion Ratio Lower Upper

75 100

110 9.0 16.6 49.8#

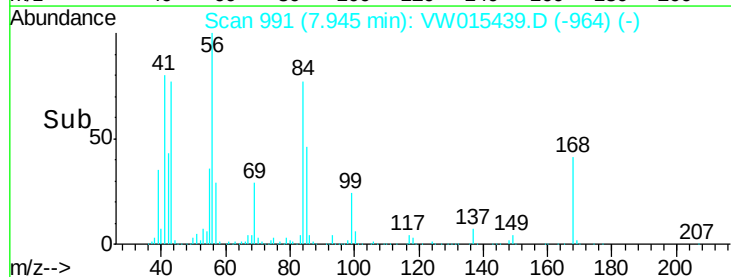
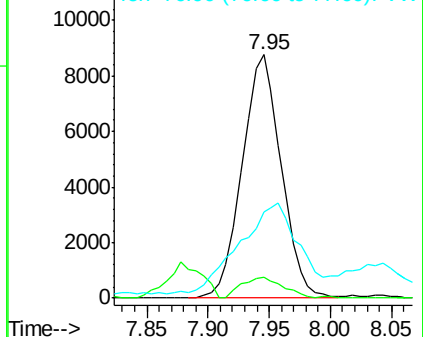
77 57.5 24.5 36.7#

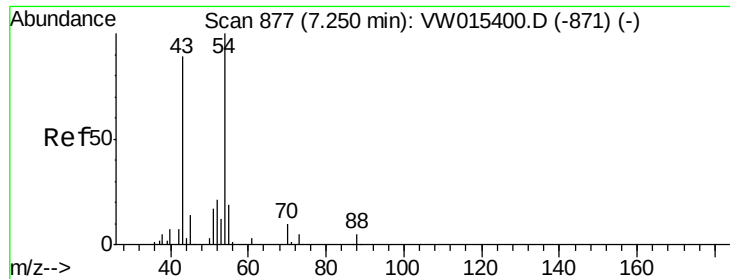


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 13.835 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.09 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :
MSVOA_W
ClientSampled :

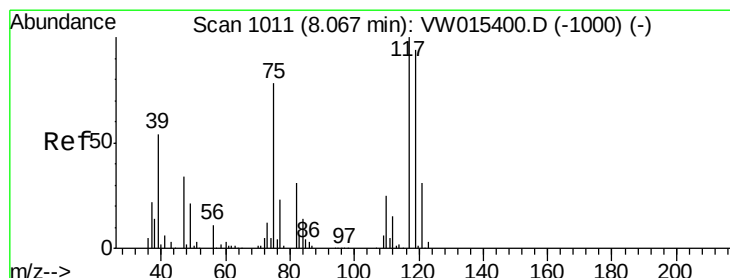
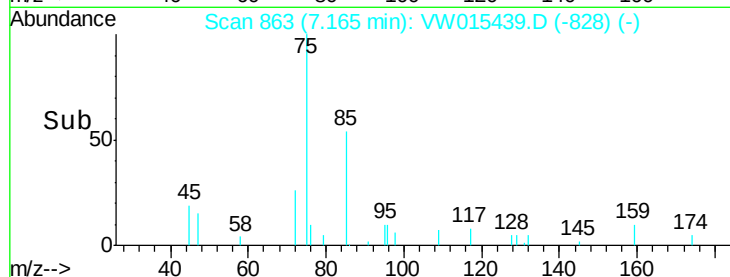
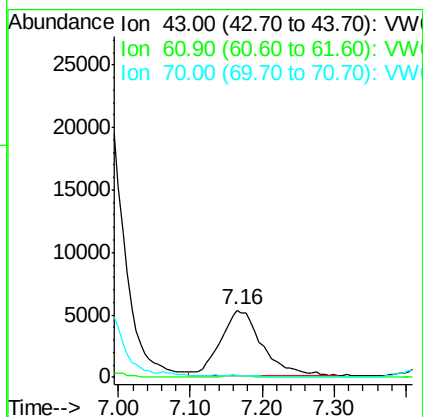
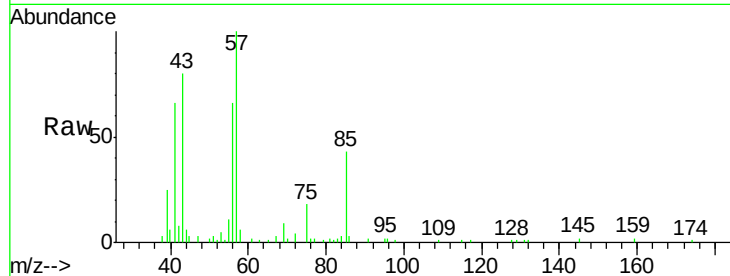
Tot Ion: 43 Resp: 20625

Ion Ratio Lower Upper

43 100

61 2.0 10.2 15.2#

70 0.0 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 6.369 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

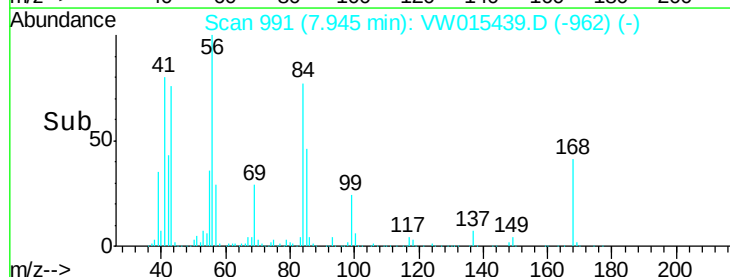
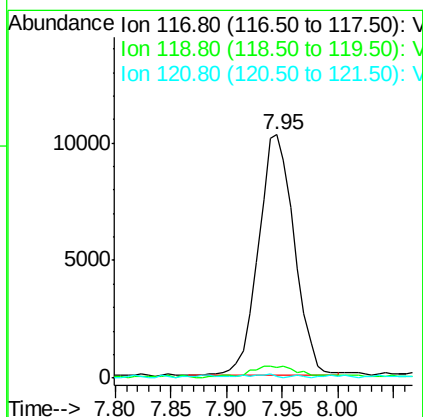
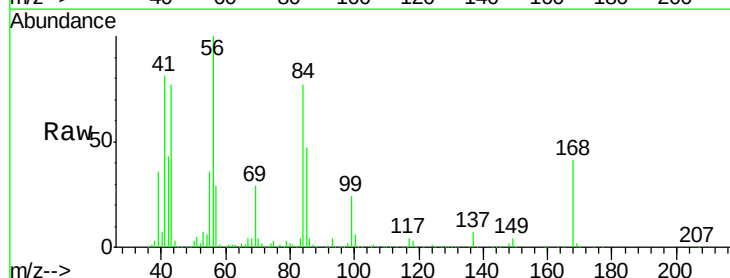
Tgt Ion: 117 Resp: 22874

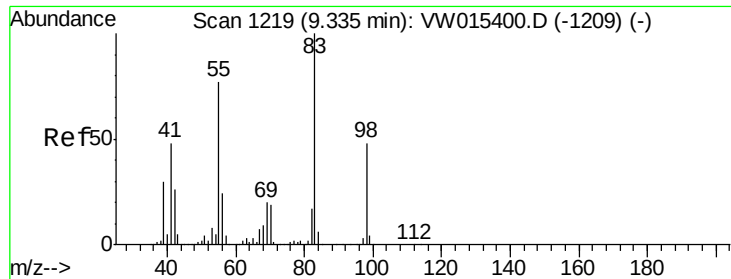
Ion Ratio Lower Upper

117 100

119 3.4 75.4 113.0#

121 0.1 24.8 37.2#

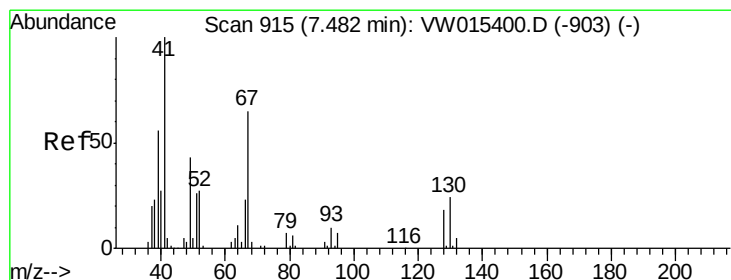
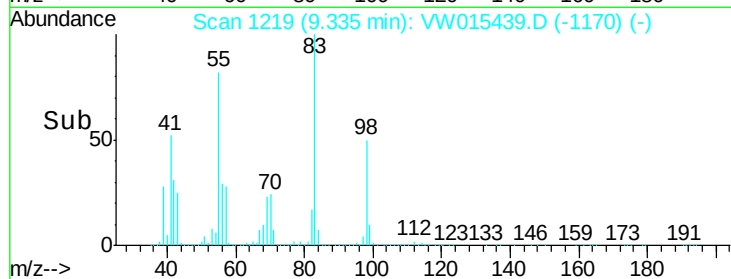
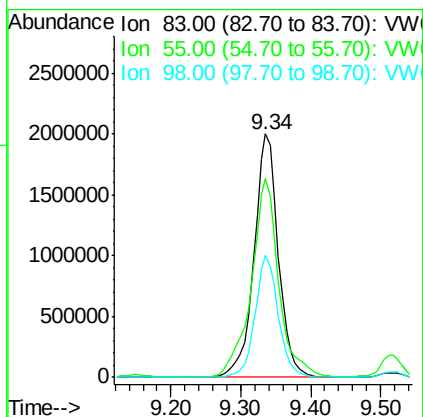
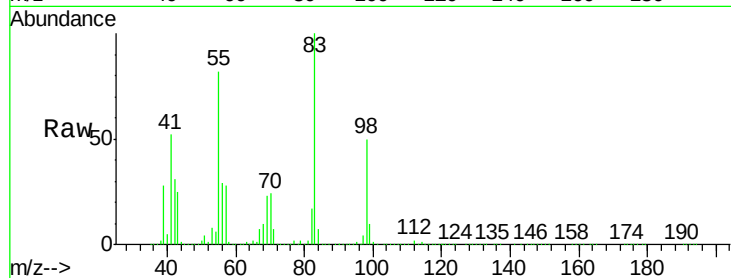




#39
Methylcyclohexane
Concen: 988.488 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

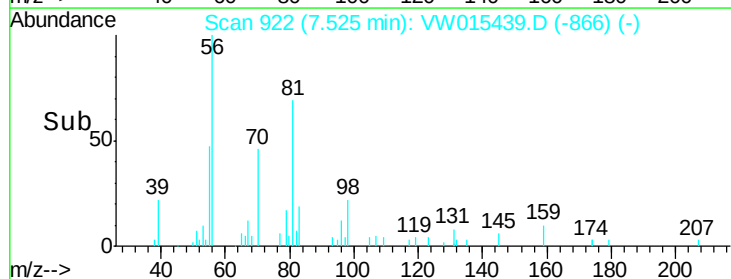
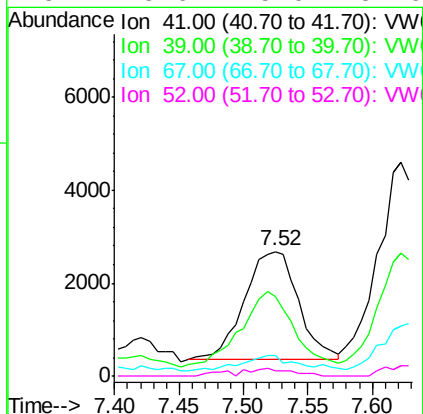
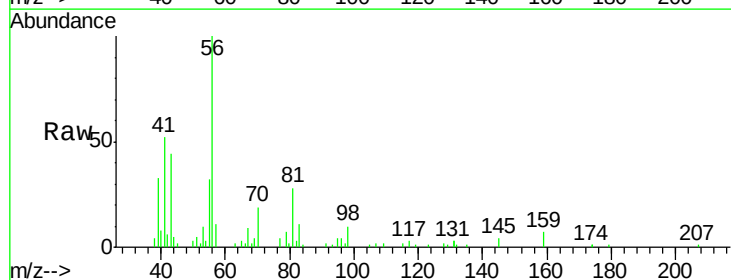
Instrument :
MSVOA_W
ClientSampled :

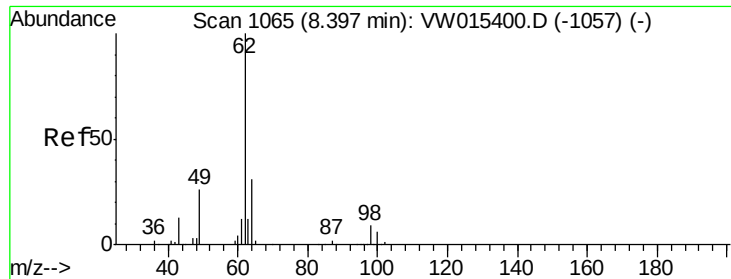
Tot Ion: 83 Resp: 4807291
Ion Ratio Lower Upper
83 100
55 81.7 61.9 92.9
98 50.1 38.2 57.2



#41
Methacrylonitrile
Concen: 7.185 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

Tgt Ion: 41 Resp: 6768
Ion Ratio Lower Upper
41 100
39 67.8 46.2 69.4
67 13.7 56.2 84.2#
52 5.6 25.0 37.6#





#42

1,2-Dichloroethane

Concen: 1.393 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.03 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

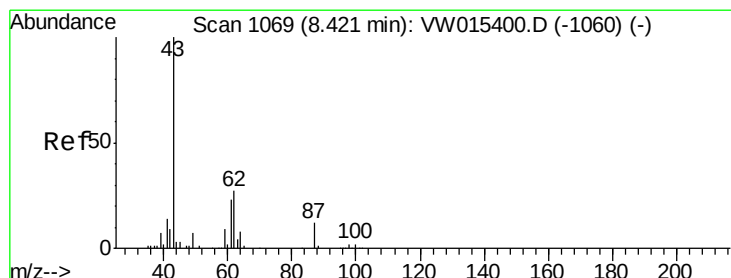
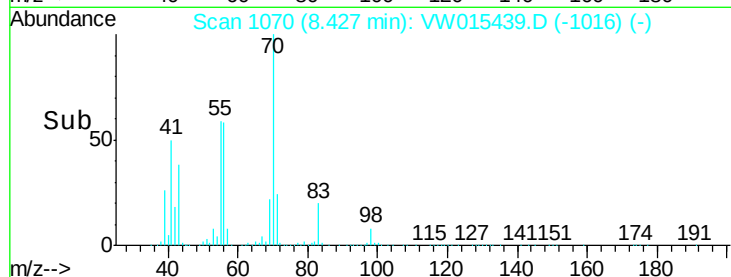
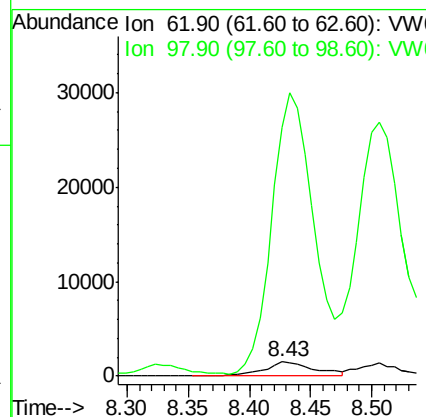
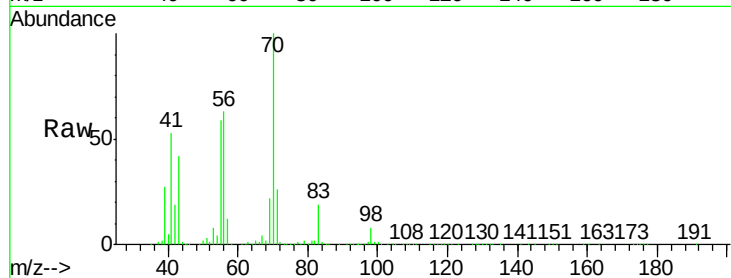
ClientSampleId :

Tot Ion: 62 Resp: 4447

Ion Ratio Lower Upper

62 100

98 1585.4 0.0 17.6#



#43

Isopropyl Acetate

Concen: 118.252 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

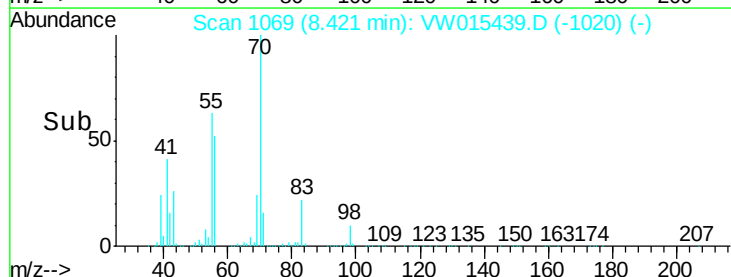
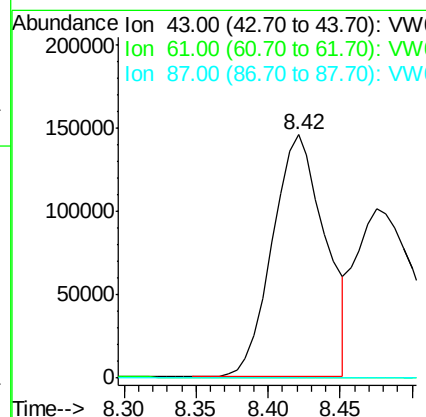
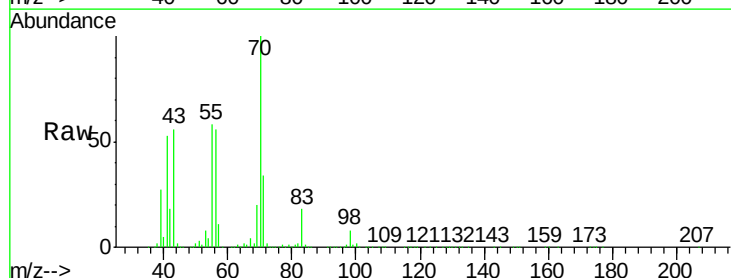
Tgt Ion: 43 Resp: 370743

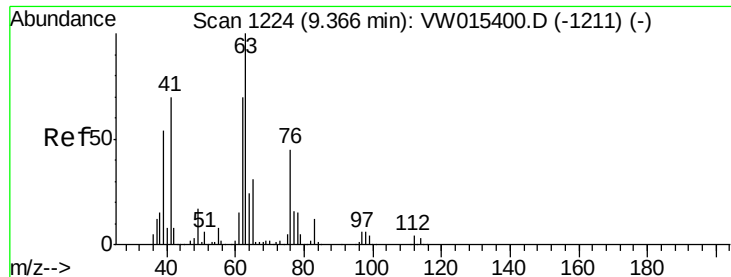
Ion Ratio Lower Upper

43 100

61 0.0 24.3 36.5#

87 0.0 10.1 15.1#





#45

1,2-Dichloropropane

Concen: 21.474 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.03 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

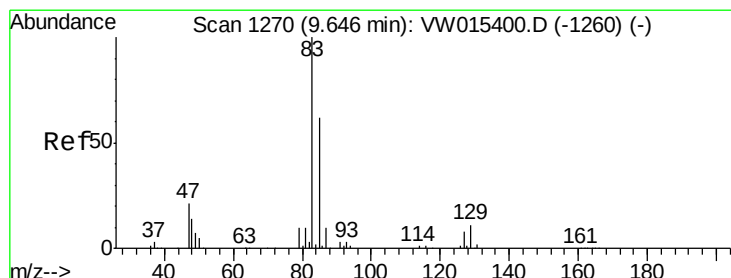
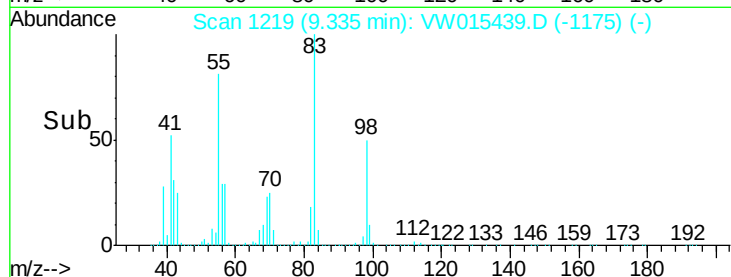
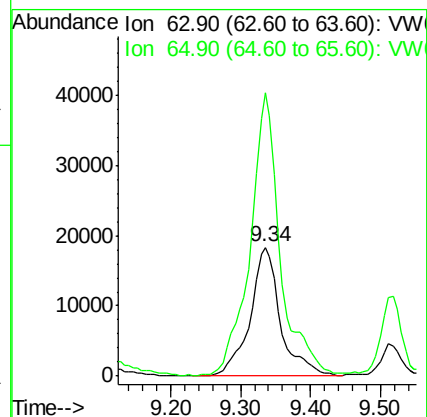
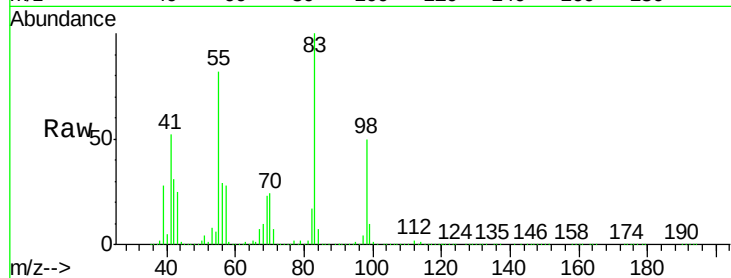
ClientSampled :

Tot Ion: 63 Resp: 55585

Ion Ratio Lower Upper

63 100

65 218.5 25.0 37.6#



#47

Bromodichloromethane

Concen: 31.953 ug/l

RT: 9.62 min Scan# 1265

Delta R.T. -0.03 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

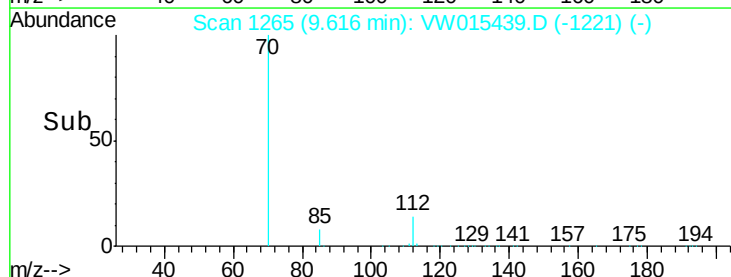
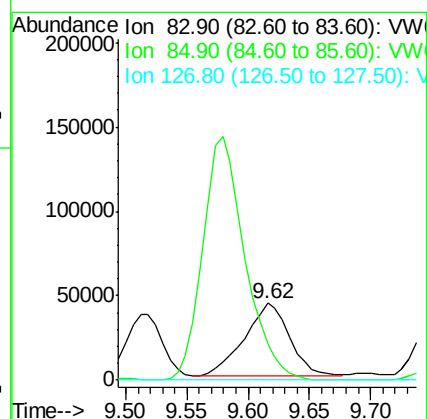
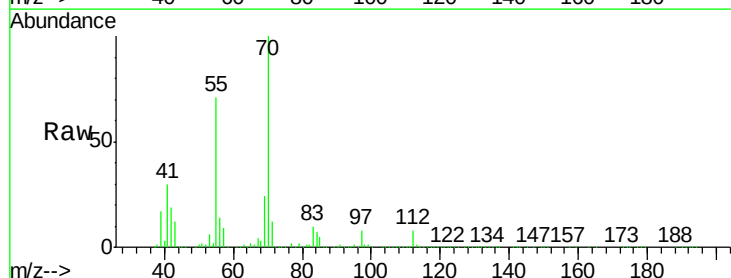
Tgt Ion: 83 Resp: 112113

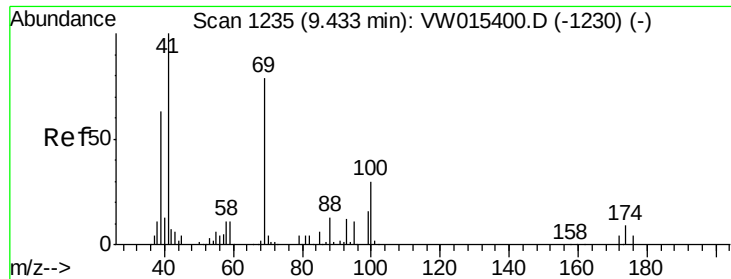
Ion Ratio Lower Upper

83 100

85 49.3 49.4 74.0#

127 0.1 6.4 9.6#

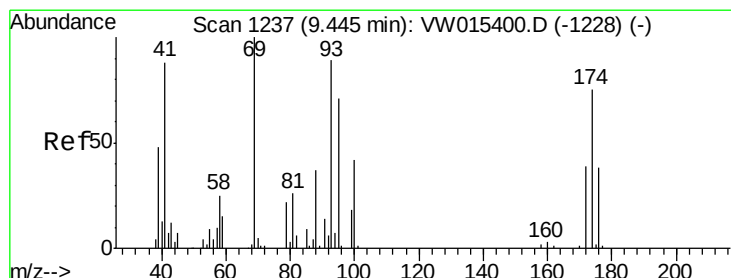
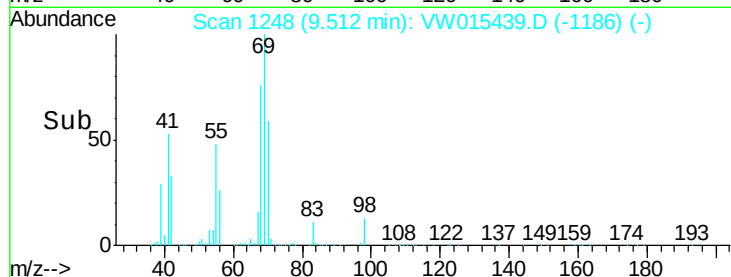
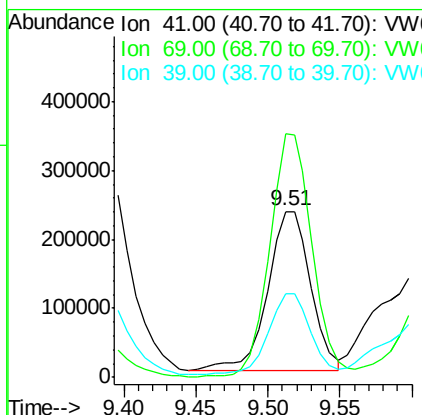
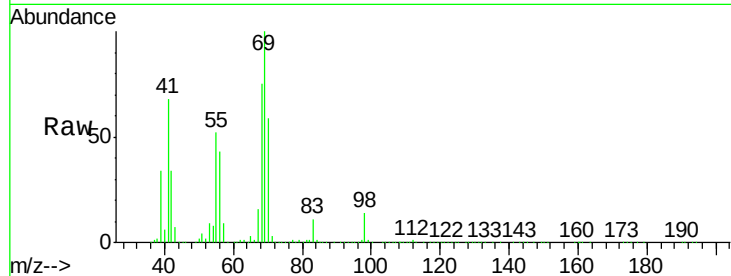




#48
Methyl methacrylate
Concen: 334.586 ug/l
RT: 9.51 min Scan# 1248
Delta R.T. 0.08 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

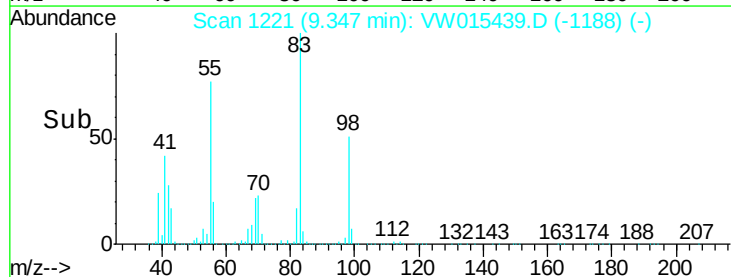
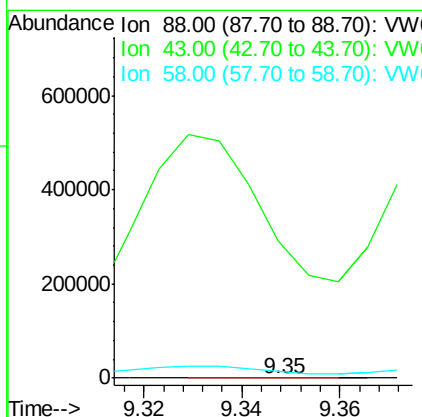
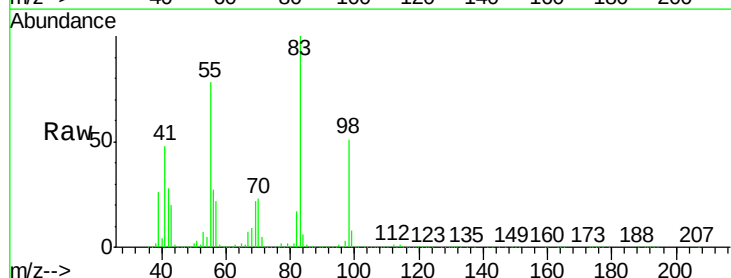
Instrument :
MSVOA_W
ClientSampled :

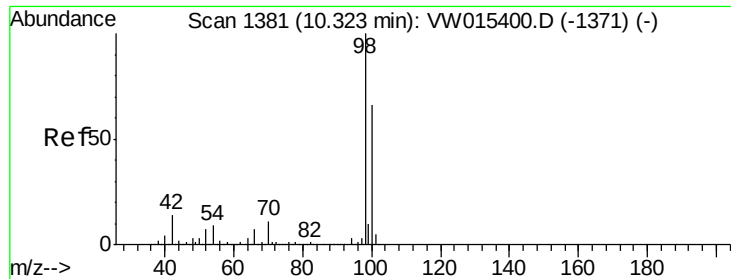
Tot Ion: 41 Resp: 484545
Ion Ratio Lower Upper
41 100
69 148.1 66.2 99.4#
39 48.7 51.1 76.7#



#49
1,4-Dioxane
Concen: 2.716 ug/l
RT: 9.35 min Scan# 1221
Delta R.T. -0.10 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 2738513.6 30.6 45.8#
58 150488.6 56.3 84.5#





#50

Toluene-d8

Concen: 100.861 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

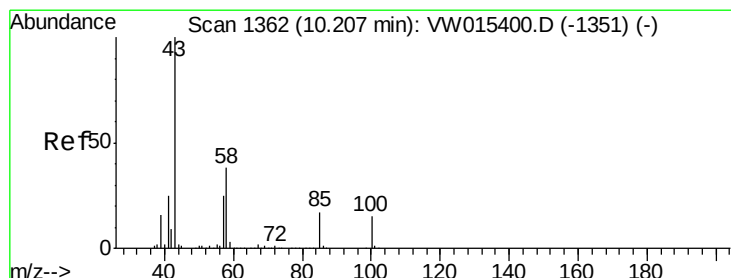
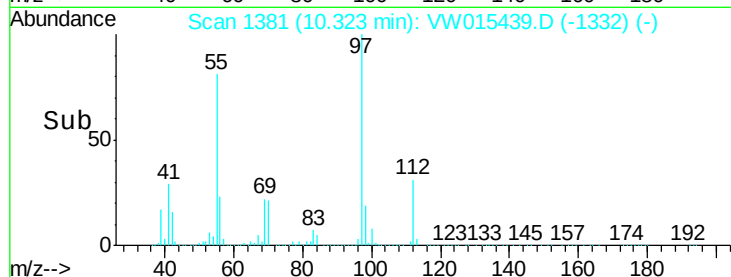
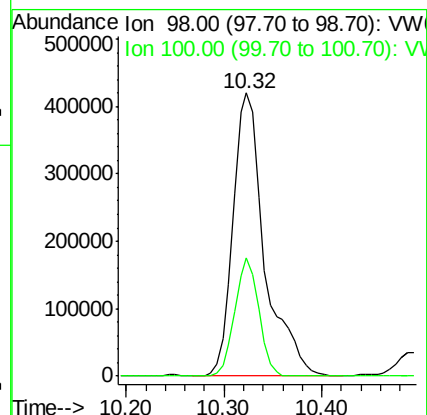
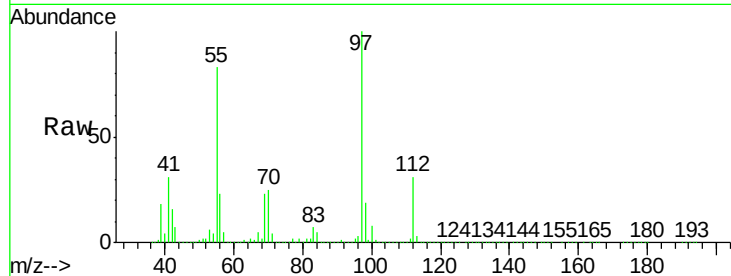
ClientSampleId :

Tot Ion: 98 Resp: 936832

Ion Ratio Lower Upper

98 100

100 31.8 52.7 79.1#



#51

4-Methyl-2-Pentanone

Concen: 5352.480 ug/l

RT: 10.10 min Scan# 1344

Delta R.T. -0.11 min

Lab File: VW015439.D

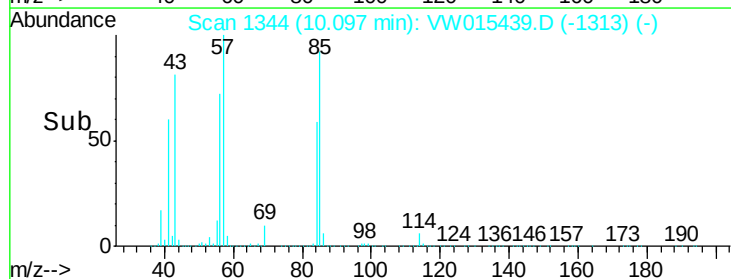
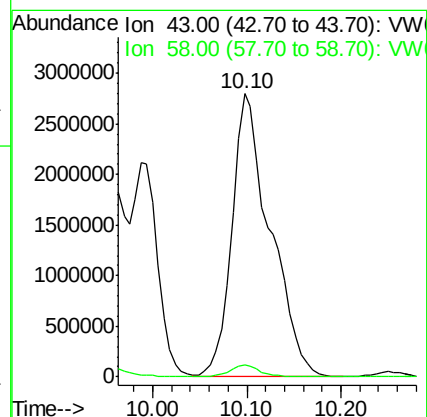
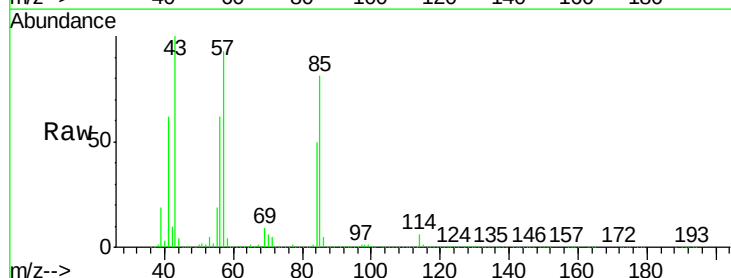
Acq: 15 May 2020 17:31

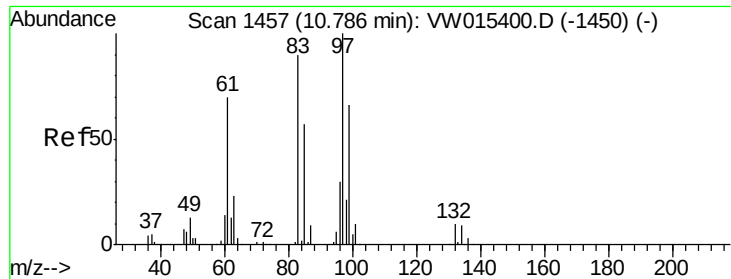
Tgt Ion: 43 Resp: 7864417

Ion Ratio Lower Upper

43 100

58 3.3 30.8 46.2#

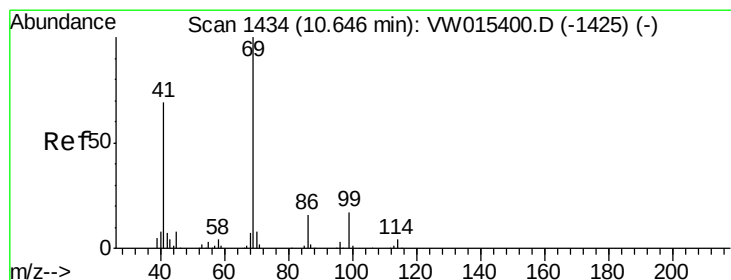
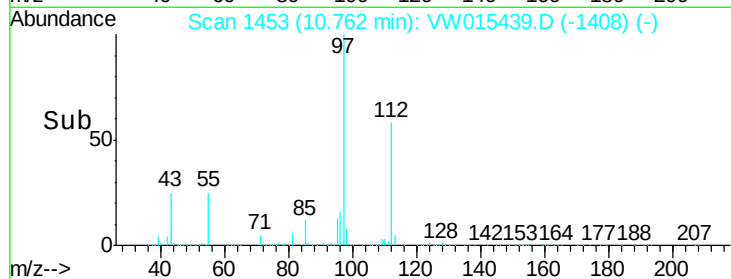
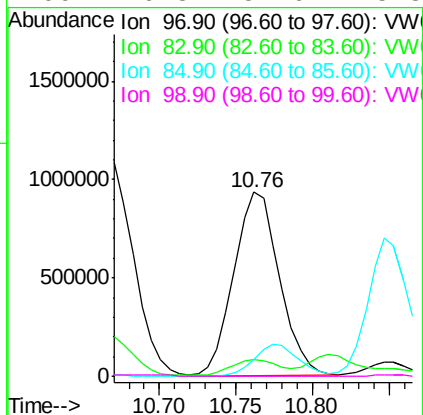
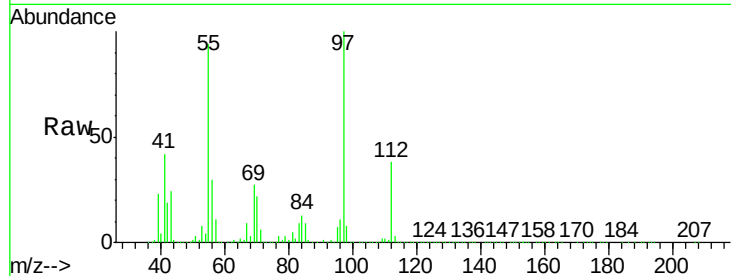




#55
 1,1,2-Trichloroethane
 Concen: 1059.019 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW015439.D
 Acq: 15 May 2020 17:31

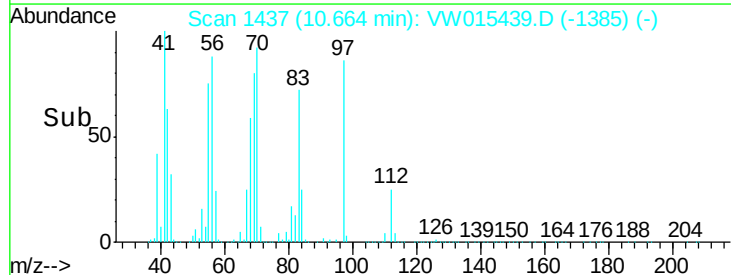
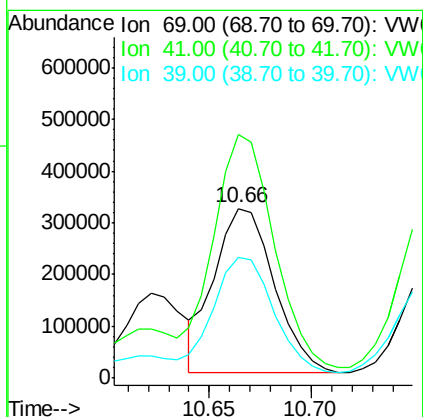
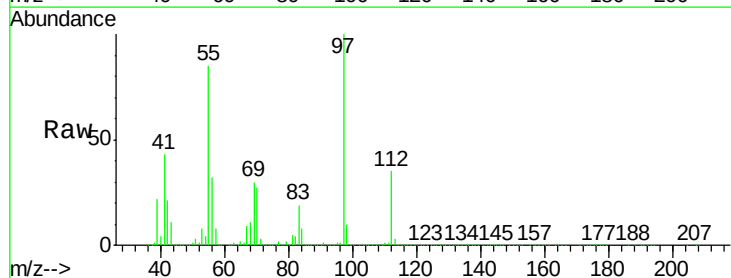
Instrument :
 MSVOA_W
 ClientSampleId :

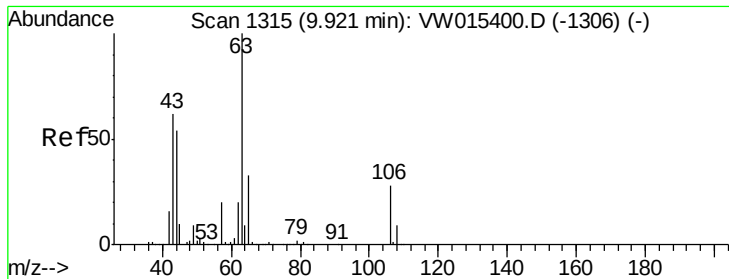
Tot Ion: 97 Resp: 1927999
 Ion Ratio Lower Upper
 97 100
 83 8.8 72.2 108.4#
 85 9.0 45.2 67.8#
 99 0.3 52.6 78.8#



#56
 Ethyl methacrylate
 Concen: 258.367 ug/l
 RT: 10.66 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: VW015439.D
 Acq: 15 May 2020 17:31

Tgt Ion: 69 Resp: 646279
 Ion Ratio Lower Upper
 69 100
 41 143.8 55.3 82.9#
 39 71.0 31.9 47.9#

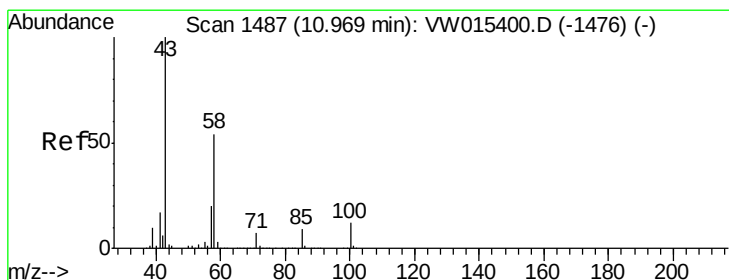
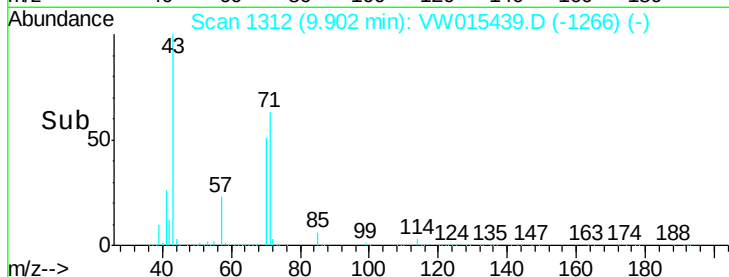
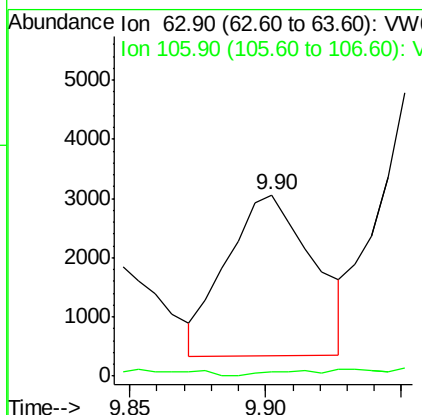
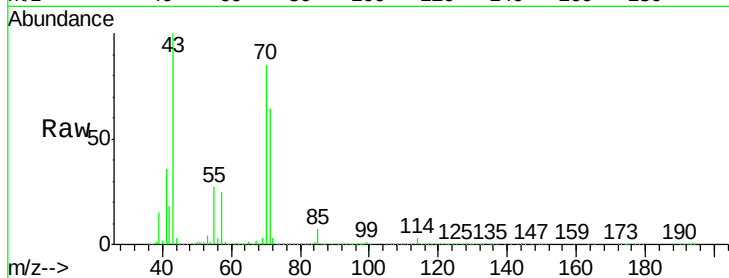




#58
2-Chloroethyl Vinyl ether
Concen: 4.947 ug/l
RT: 9.90 min Scan# 1312
Delta R.T. -0.02 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

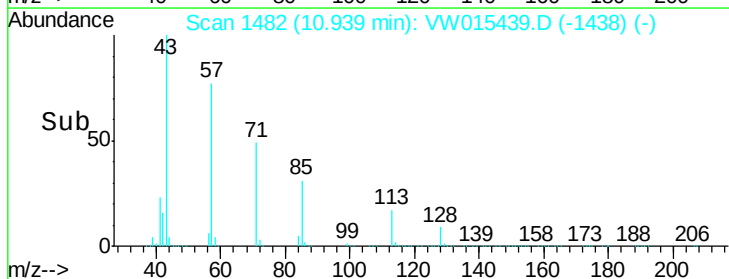
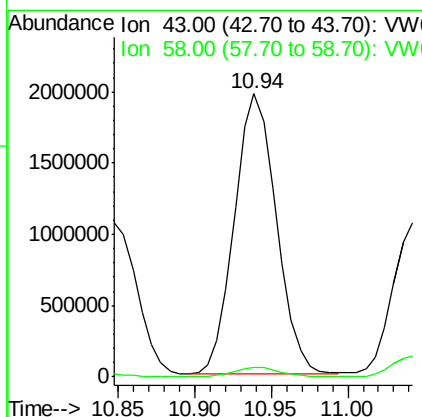
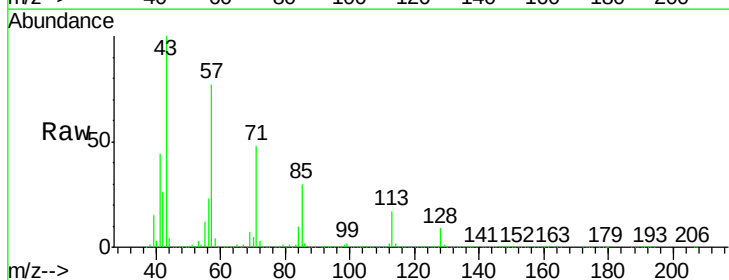
Instrument :
MSVOA_W
ClientSampleId :

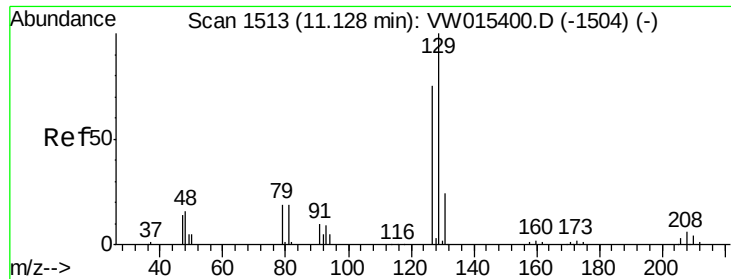
Tot Ion: 63 Resp: 6020
Ion Ratio Lower Upper
63 100
106 2.2 22.6 33.8#



#59
2-Hexanone
Concen: 3790.872 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

Tgt Ion: 43 Resp: 3768785
Ion Ratio Lower Upper
43 100
58 3.6 26.7 80.0#





#60

Dibromochloromethane

Concen: 10.847 ug/l

RT: 11.05 min Scan# 1500

Delta R.T. -0.08 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

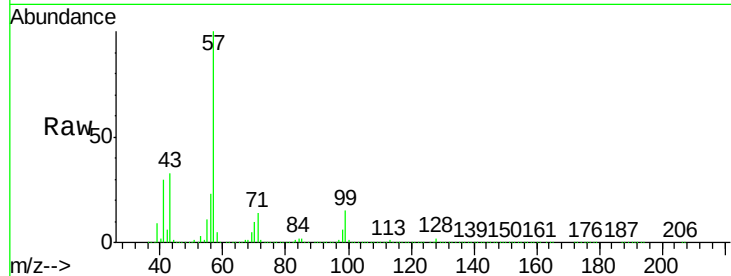
ClientSampleId :

Tot Ion:129 Resp: 23751

Ion Ratio Lower Upper

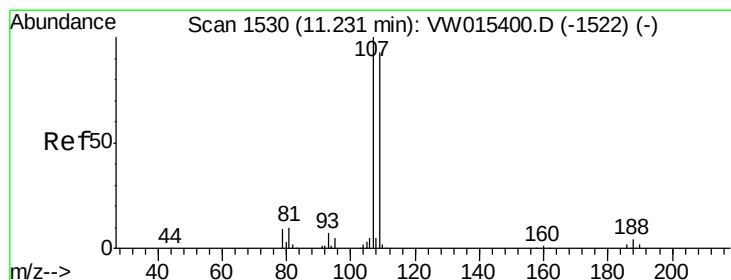
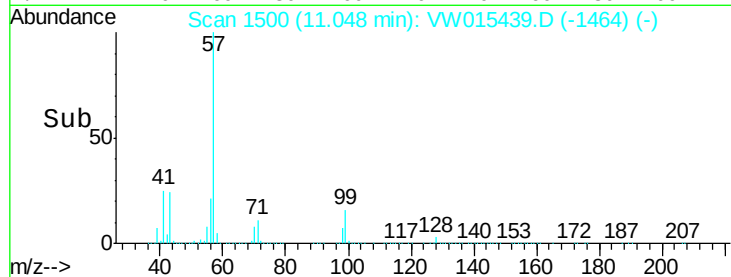
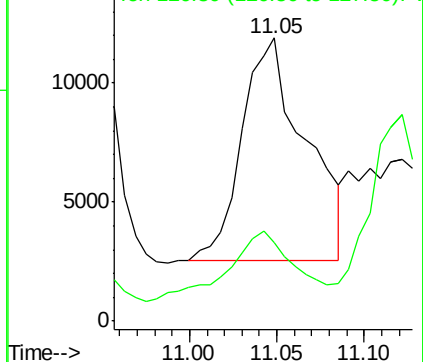
129 100

127 54.9 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 2.215 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW015439.D

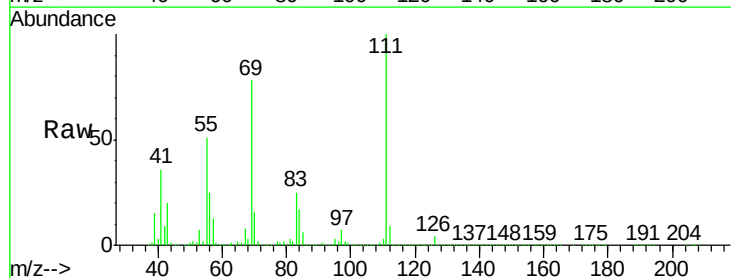
Acq: 15 May 2020 17:31

Tgt Ion:107 Resp: 3818

Ion Ratio Lower Upper

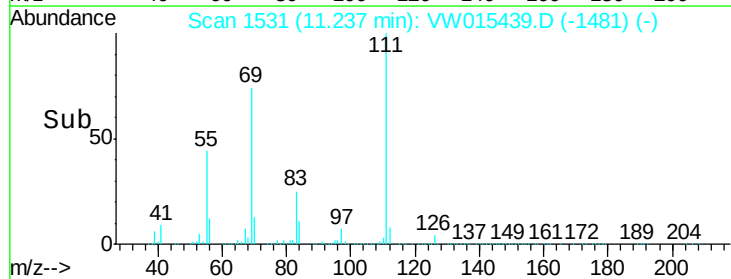
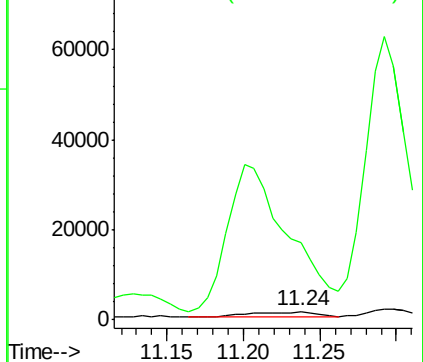
107 100

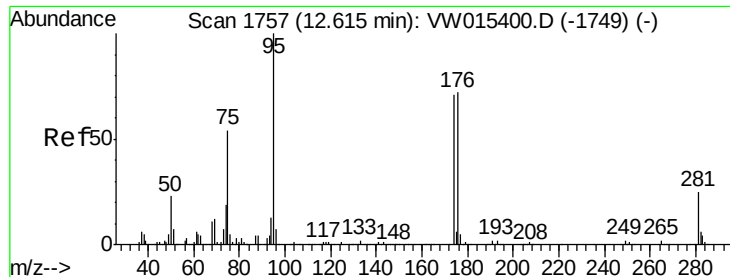
109 0.0 75.0 112.4#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 171.345 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

ClientSampled :

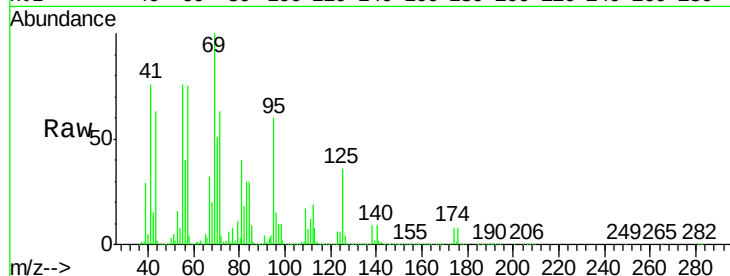
Tot Ion: 95 Resp: 587674

Ion Ratio Lower Upper

95 100

174 13.5 0.0 147.6

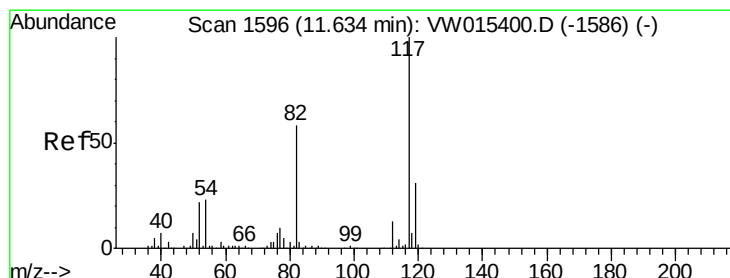
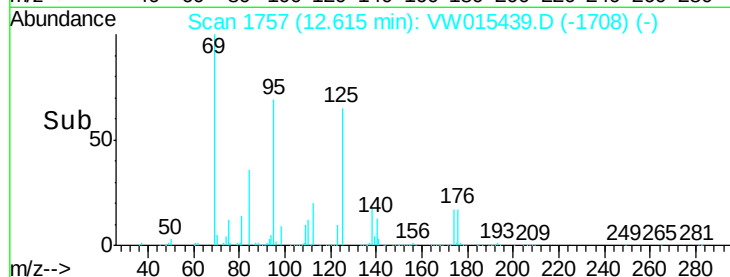
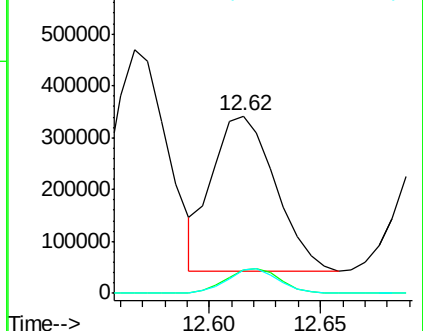
176 13.0 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

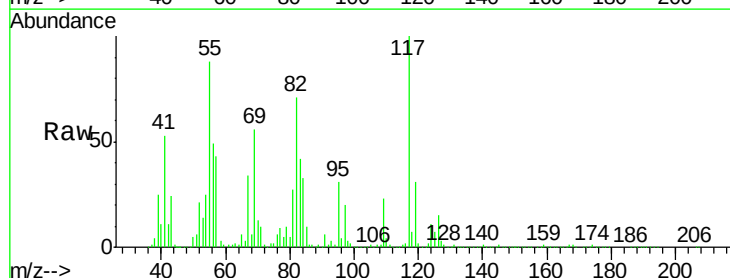
Tgt Ion: 117 Resp: 291027

Ion Ratio Lower Upper

117 100

82 0.0 46.4 69.6#

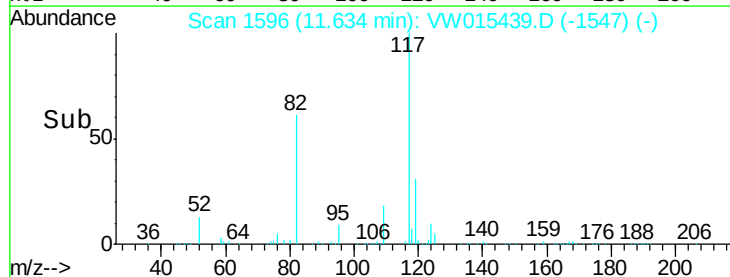
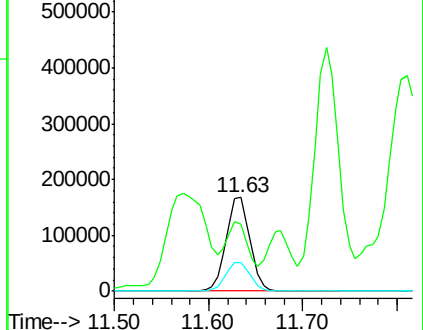
119 30.7 24.6 37.0

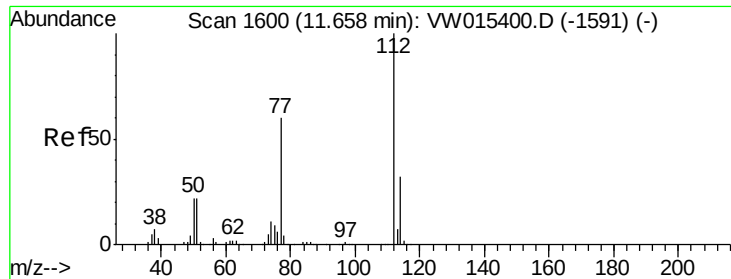


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#65

Chlorobenzene

Concen: 7.118 ug/l

RT: 11.56 min Scan# 1584

Delta R.T. -0.10 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

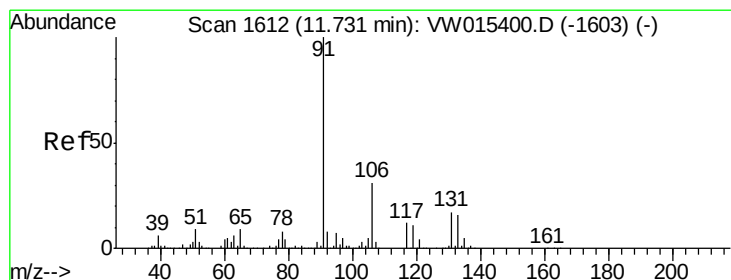
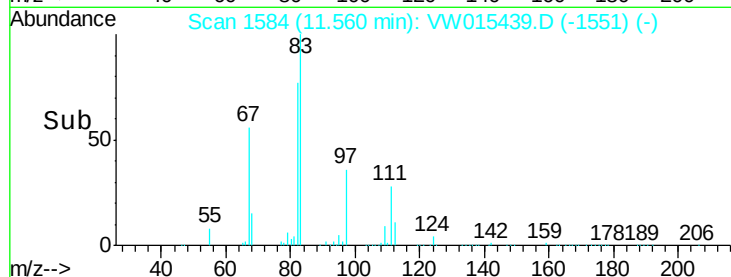
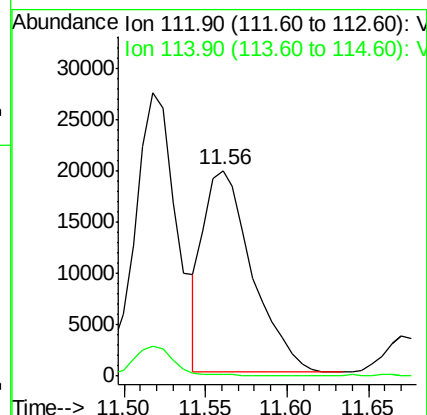
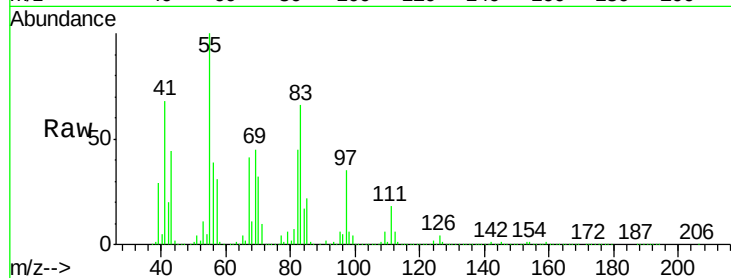
ClientSampleId :

Tot Ion:112 Resp: 40846

Ion Ratio Lower Upper

112 100

114 0.4 25.6 38.4#



#67

Ethyl Benzene

Concen: 5.595 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015439.D

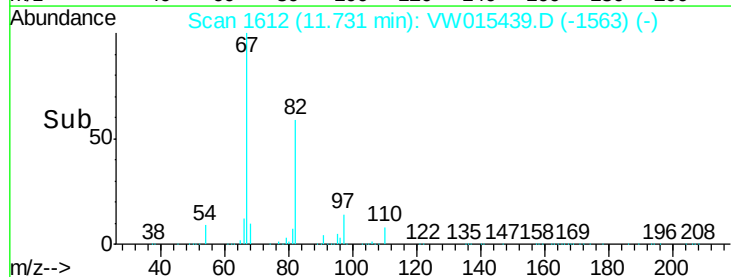
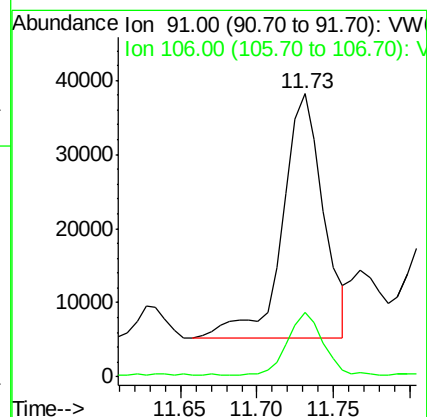
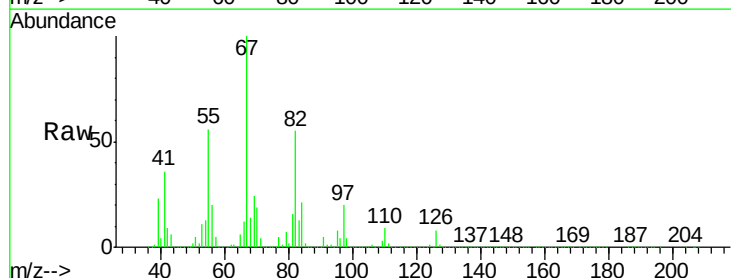
Acq: 15 May 2020 17:31

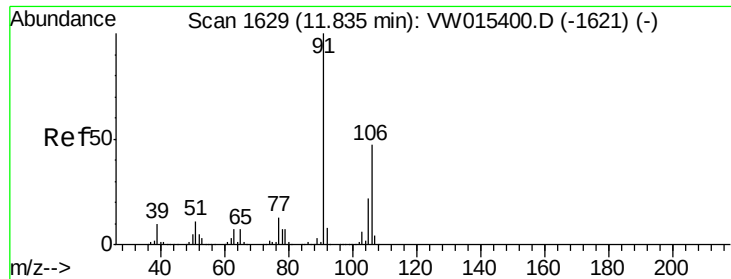
Tgt Ion: 91 Resp: 61452

Ion Ratio Lower Upper

91 100

106 25.6 25.2 37.8

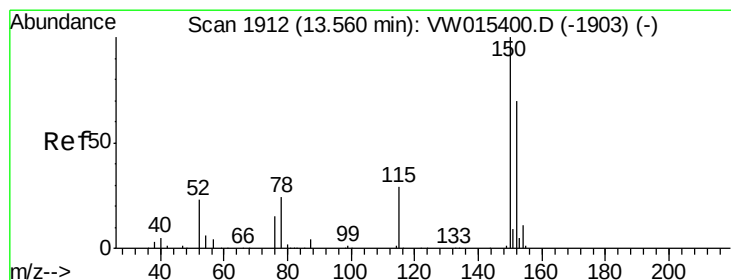
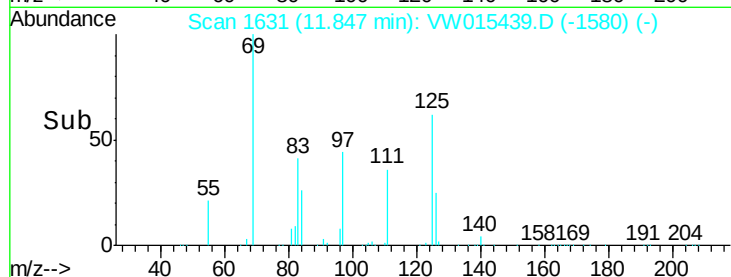
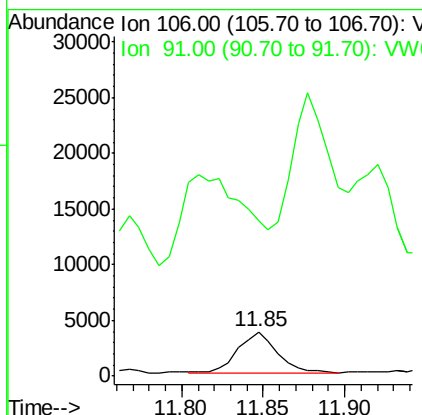
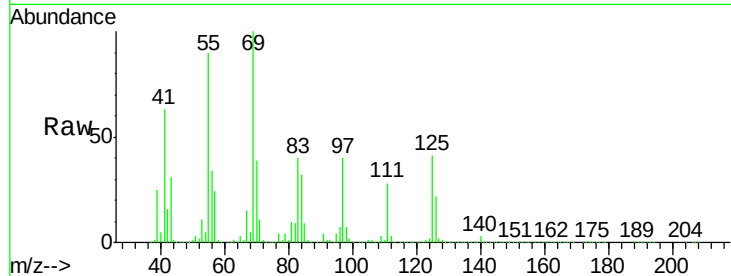




#68
m/p-Xylenes
Concen: 1.543 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

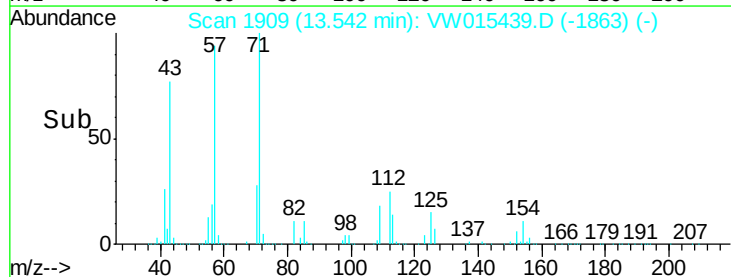
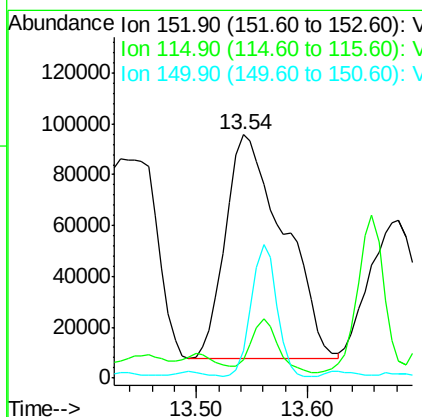
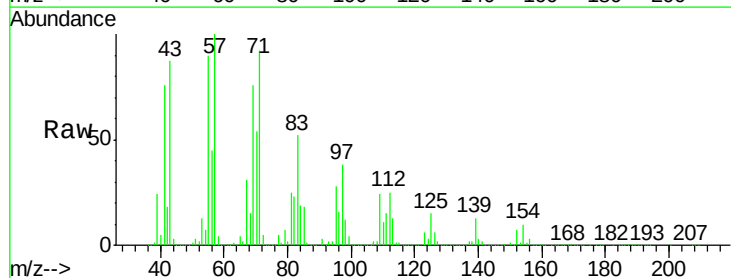
Instrument :
MSVOA_W
ClientSampled :

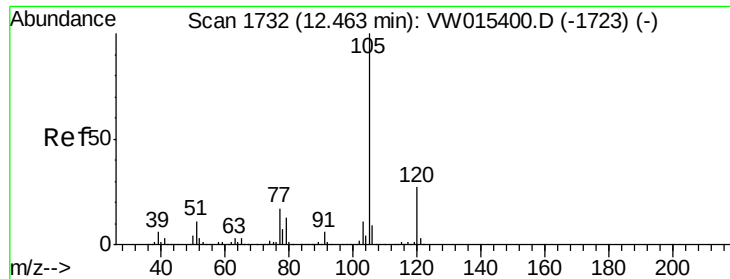
Tot Ion:106 Resp: 6302
Ion Ratio Lower Upper
106 100
91 0.0 165.7 248.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.54 min Scan# 1909
Delta R.T. -0.02 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

Tgt Ion:152 Resp: 321203
Ion Ratio Lower Upper
152 100
115 0.0 30.3 90.8#
150 25.7 0.0 344.4





#73

Isopropylbenzene

Concen: 149.335 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

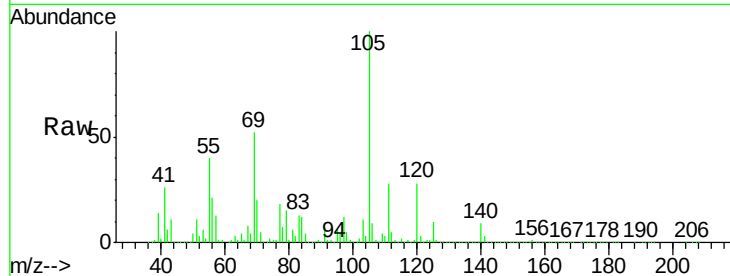
ClientSampleId :

Tot Ion:105 Resp: 3581062

Ion Ratio Lower Upper

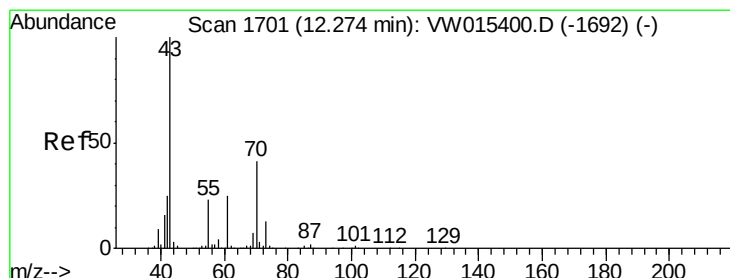
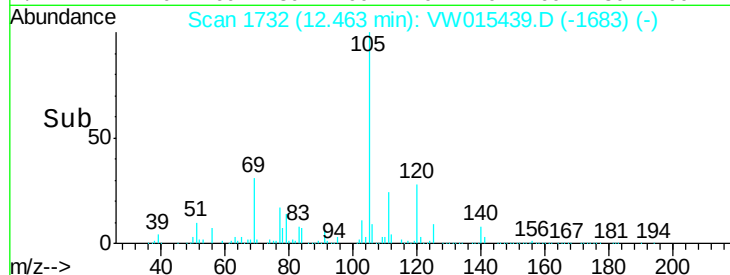
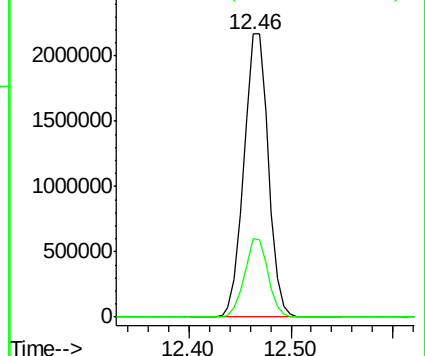
105 100

120 26.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 784.834 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.01 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Tgt Ion: 43 Resp: 4448744

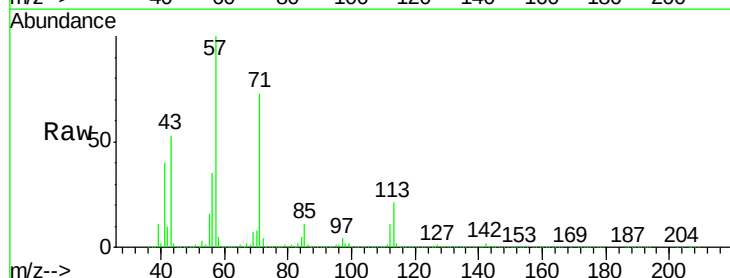
Ion Ratio Lower Upper

43 100

71 19.4 33.4 50.0#

55 12.8 18.9 28.3#

61 0.0 19.4 29.0#

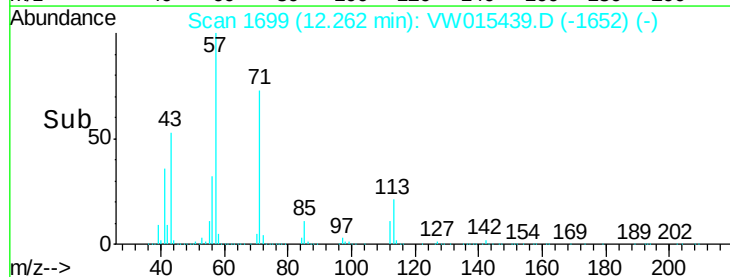
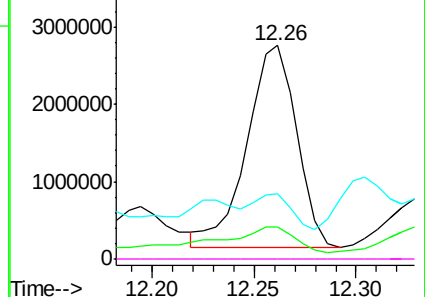


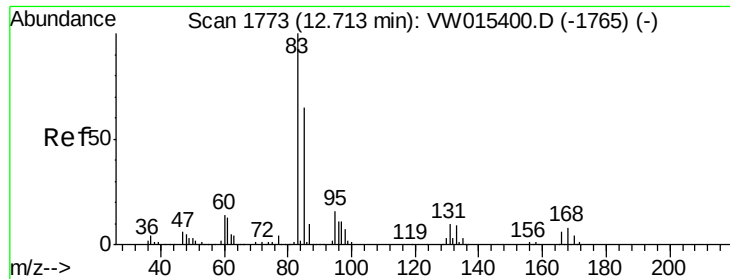
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 70.008 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.01 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

ClientSampleId :

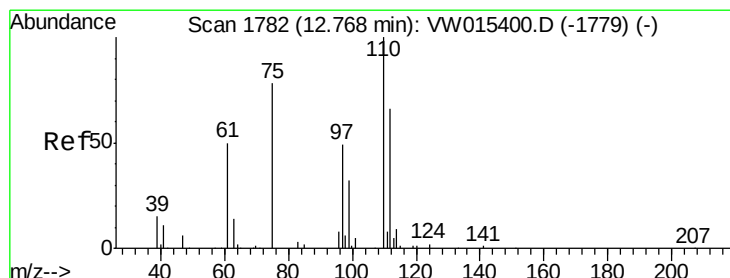
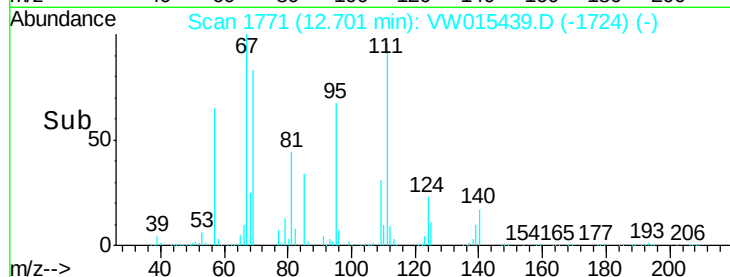
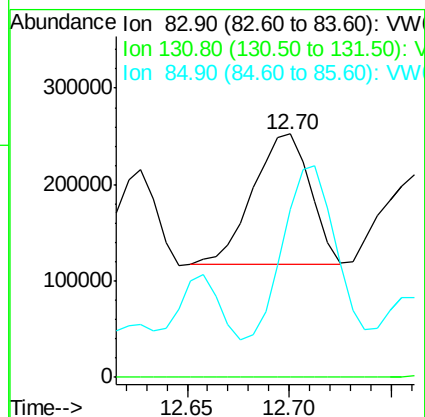
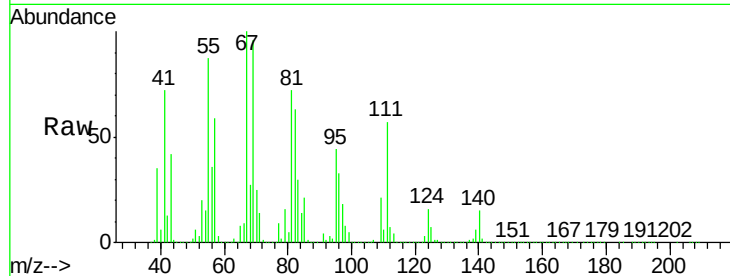
Tot Ion: 83 Resp: 262622

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

85 120.1 32.2 96.6#



#76

1,2,3-Trichloropropane

Concen: 17.527 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.04 min

Lab File: VW015439.D

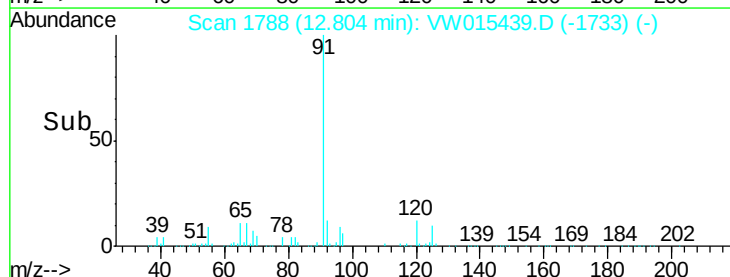
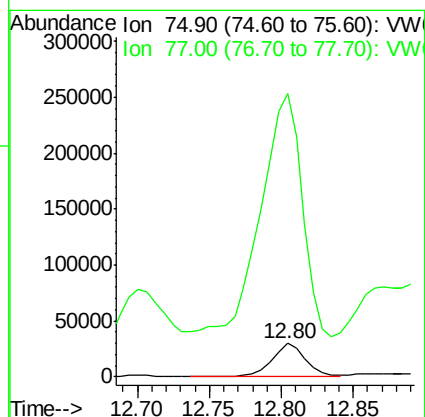
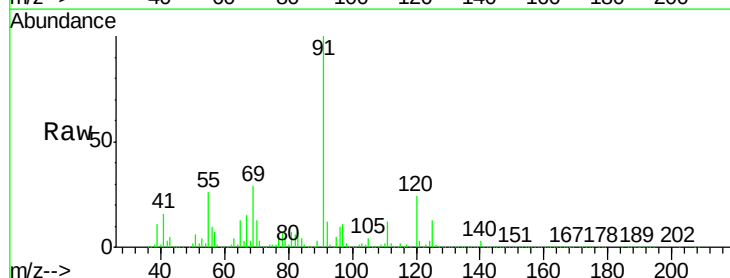
Acq: 15 May 2020 17:31

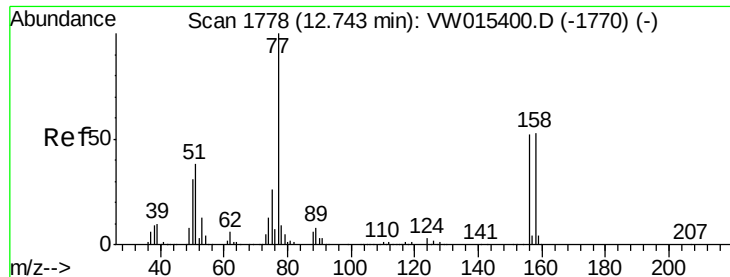
Tgt Ion: 75 Resp: 46313

Ion Ratio Lower Upper

75 100

77 937.1 0.0 0.0#





#77

Bromobenzene

Concen: 1.760 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.03 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

ClientSampleId :

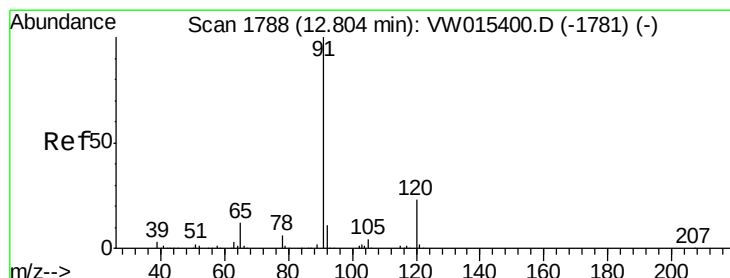
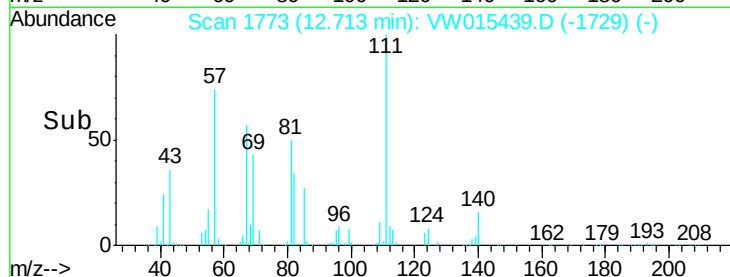
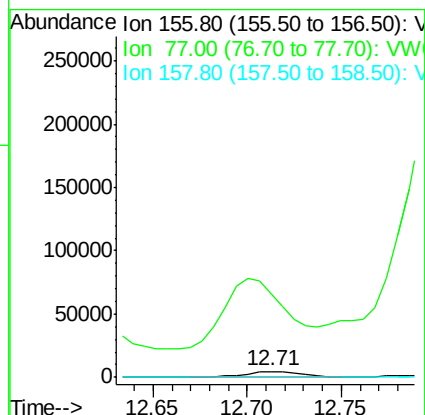
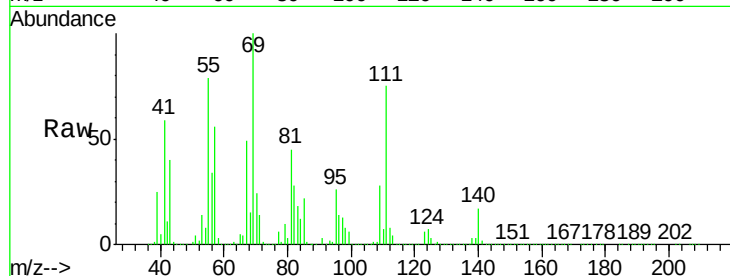
Tot Ion:156 Resp: 8945

Ion Ratio Lower Upper

156 100

77 1437.5 101.8 305.6#

158 0.0 48.3 144.8#



#78

n-propylbenzene

Concen: 246.999 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015439.D

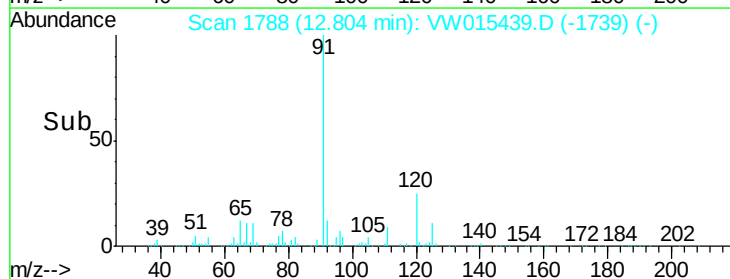
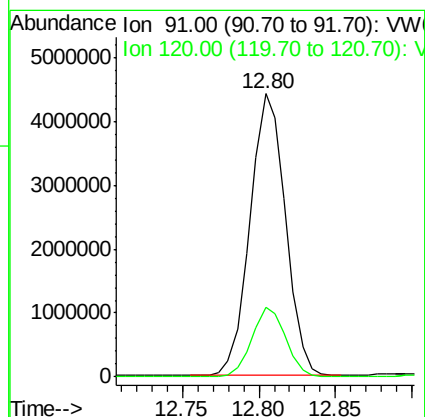
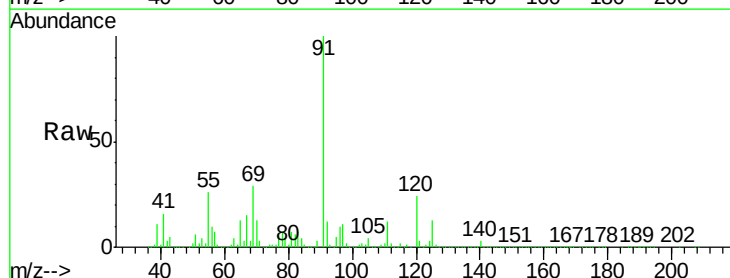
Acq: 15 May 2020 17:31

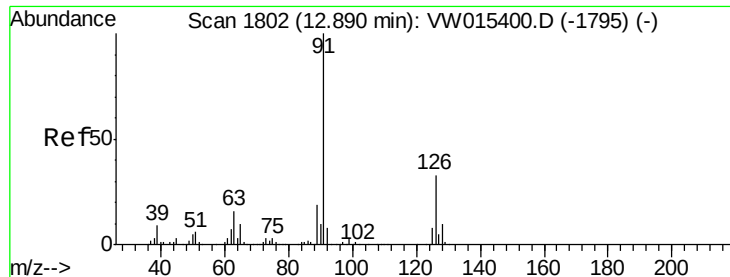
Tgt Ion: 91 Resp: 7106245

Ion Ratio Lower Upper

91 100

120 23.6 11.2 33.6





#79

2-Chlorotoluene

Concen: 438.175 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.09 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

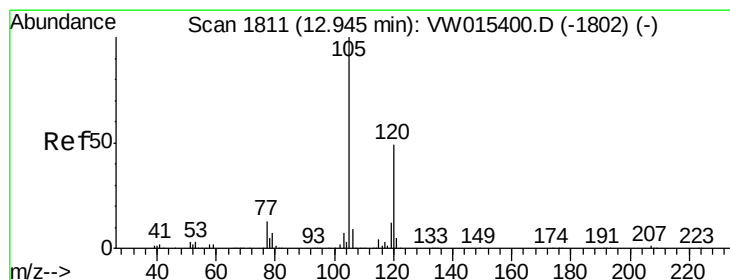
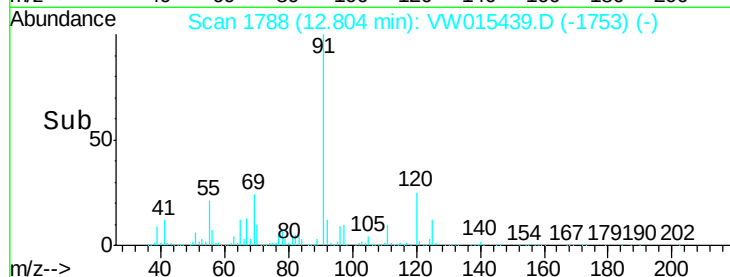
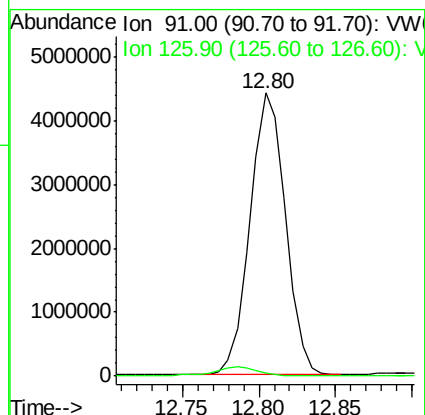
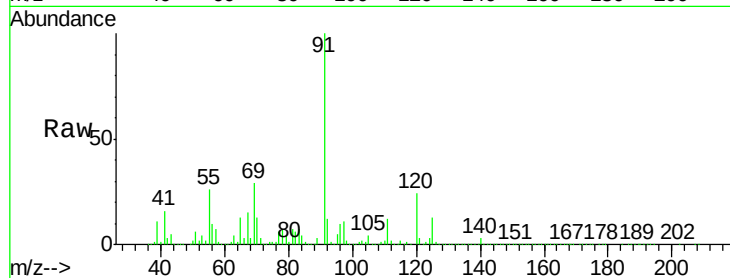
ClientSampleId :

Tot Ion: 91 Resp: 7106245

Ion Ratio Lower Upper

91 100

126 3.9 16.1 48.2#



#80

1,3,5-Trimethylbenzene

Concen: 14.155 ug/l

RT: 13.10 min Scan# 1837

Delta R.T. 0.16 min

Lab File: VW015439.D

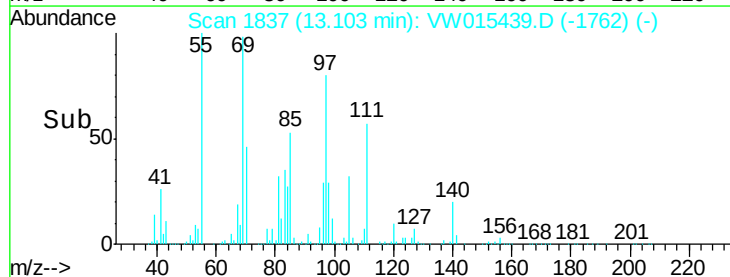
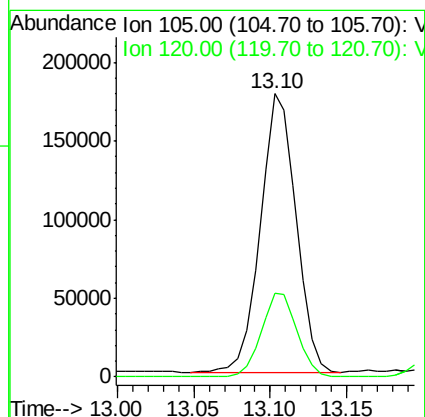
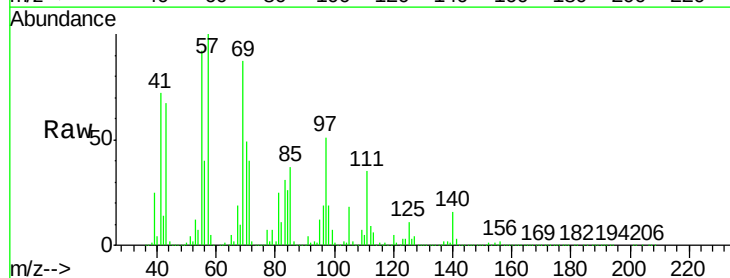
Acq: 15 May 2020 17:31

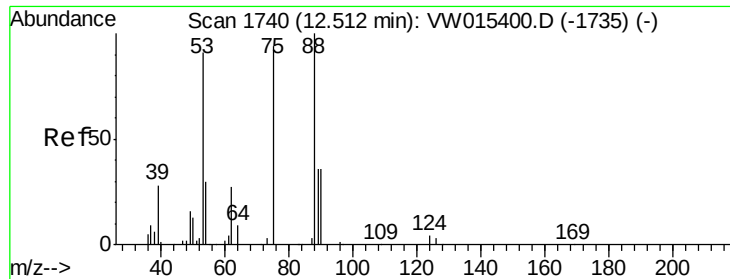
Tgt Ion:105 Resp: 285906

Ion Ratio Lower Upper

105 100

120 30.1 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 35.010 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

ClientSampleId :

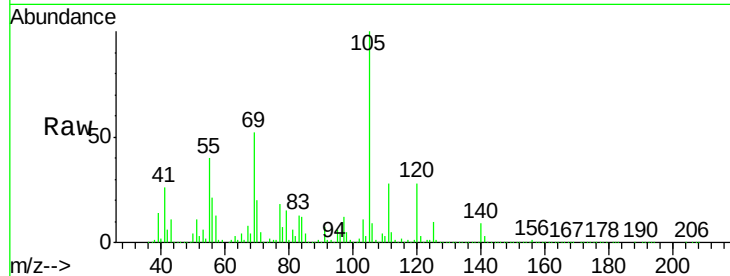
Tot Ion: 75 Resp: 46769

Ion Ratio Lower Upper

75 100

53 235.4 82.5 123.7#

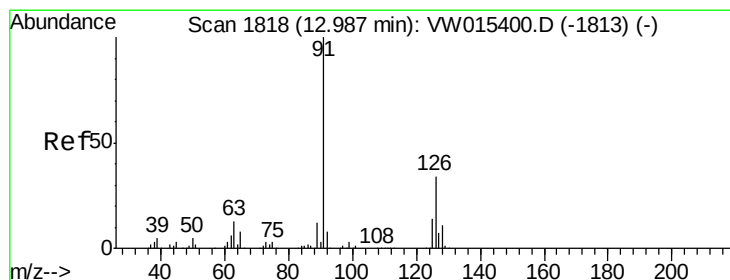
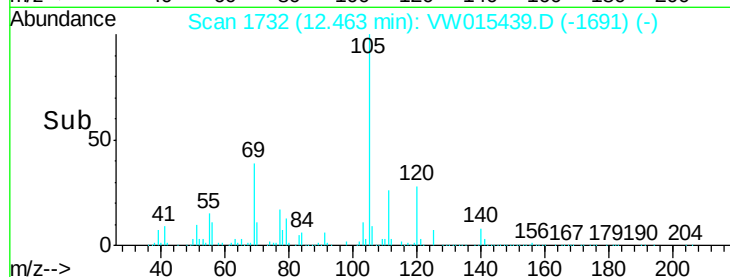
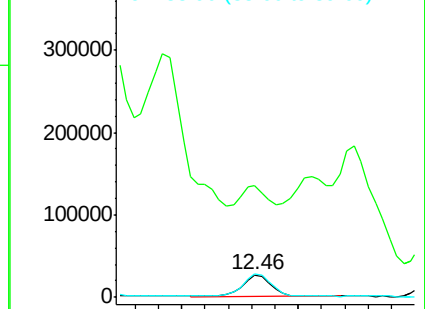
89 100.7 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 414.226 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.18 min

Lab File: VW015439.D

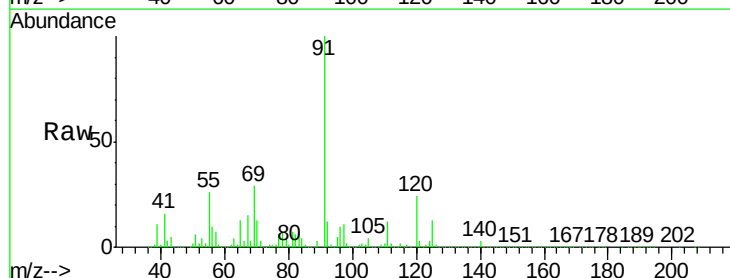
Acq: 15 May 2020 17:31

Tgt Ion: 91 Resp: 7119381

Ion Ratio Lower Upper

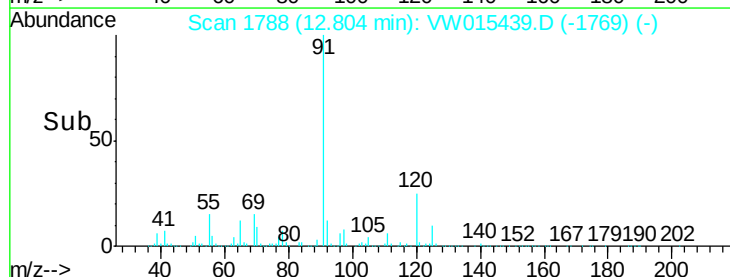
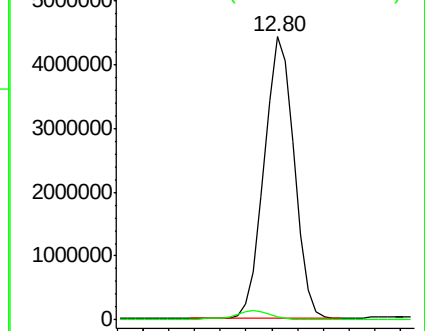
91 100

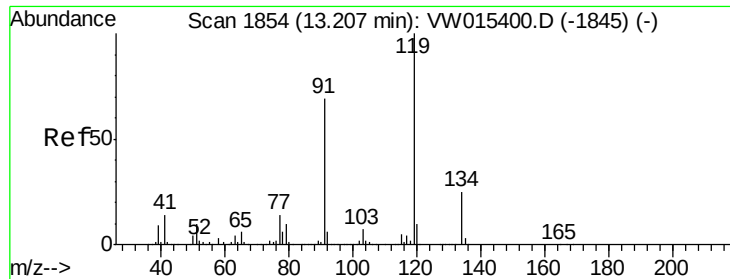
126 3.9 16.0 47.9#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 15.346 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

ClientSampled :

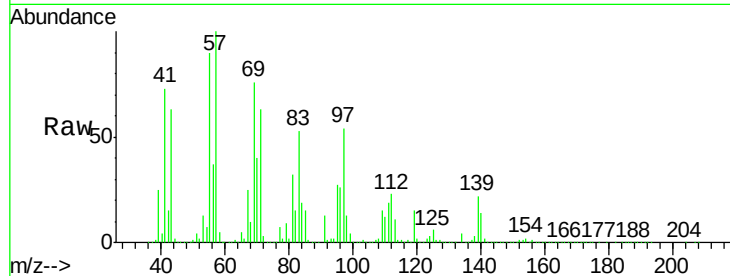
Tot Ion:119 Resp: 264495

Ion Ratio Lower Upper

119 100

91 88.9 33.8 101.4

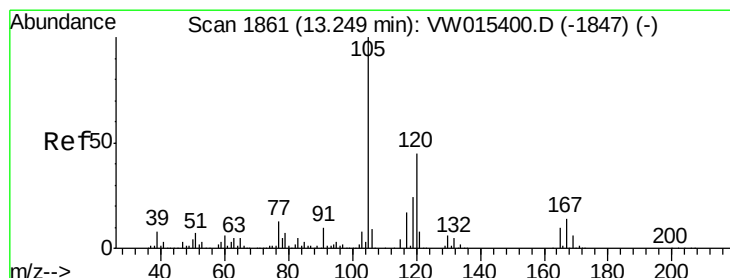
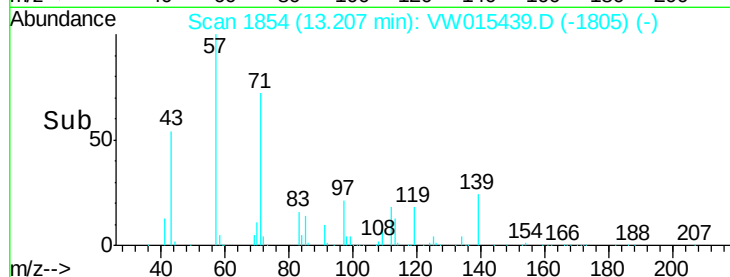
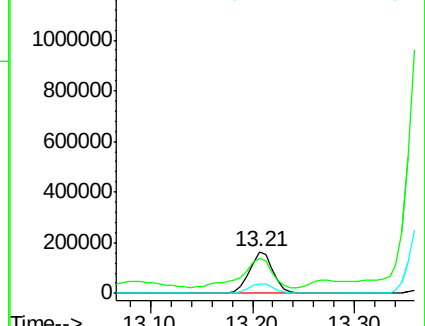
134 0.0 12.3 36.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 14.155 ug/l

RT: 13.10 min Scan# 1837

Delta R.T. -0.15 min

Lab File: VW015439.D

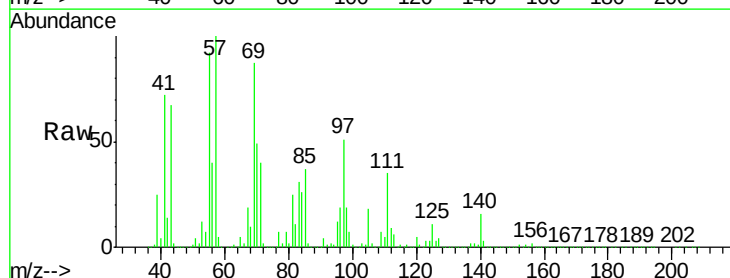
Acq: 15 May 2020 17:31

Tgt Ion:105 Resp: 286034

Ion Ratio Lower Upper

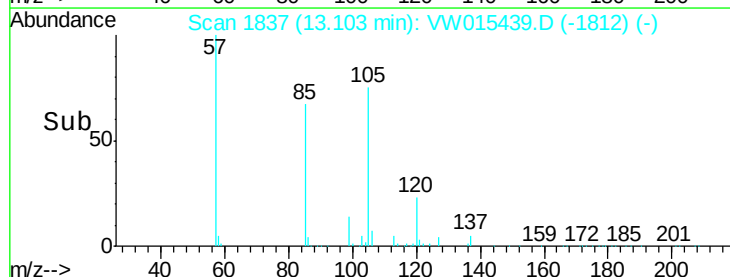
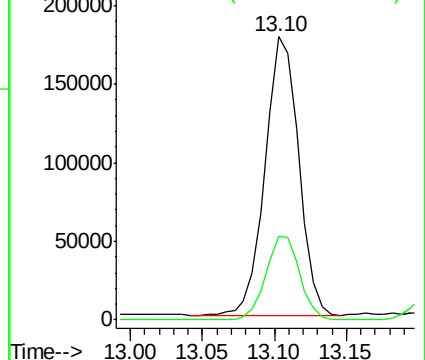
105 100

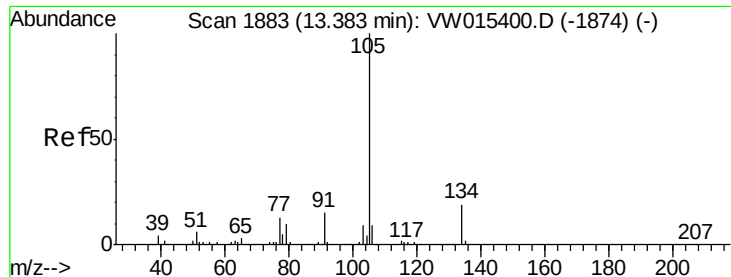
120 30.0 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 327.483 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

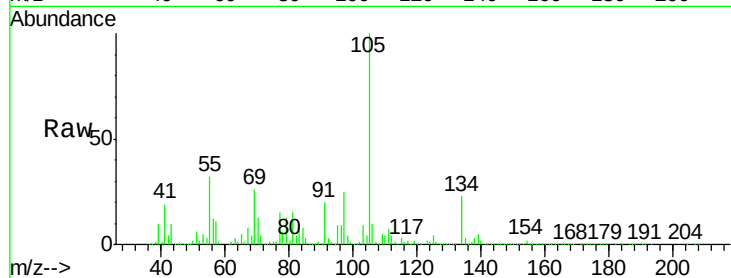
ClientSampled :

Tot Ion:105 Resp: 7952622

Ion Ratio Lower Upper

105 100

134 27.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

5000000

4000000

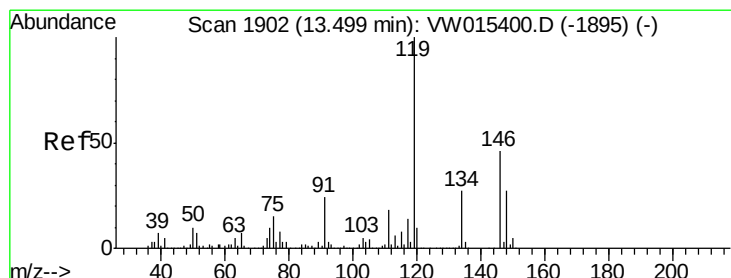
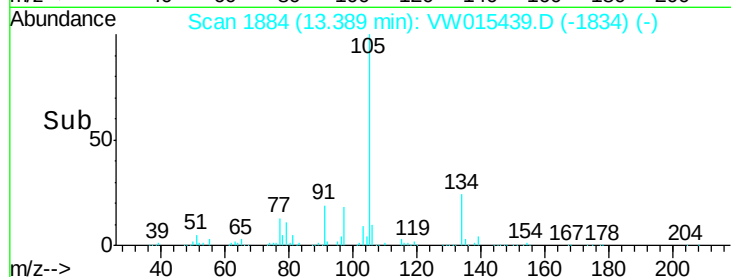
3000000

2000000

1000000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.050 ug/l

RT: 13.66 min Scan# 1928

Delta R.T. 0.16 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

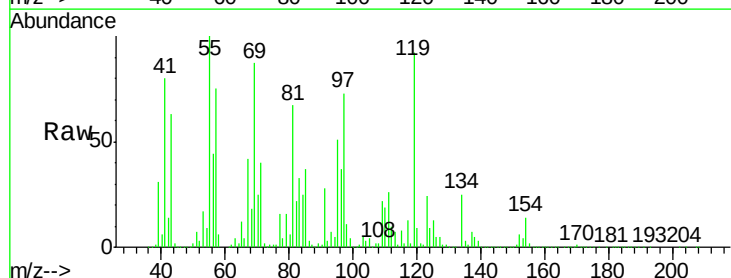
Tgt Ion:119 Resp: 1152808

Ion Ratio Lower Upper

119 100

134 27.7 12.8 38.4

91 31.7 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

4000000

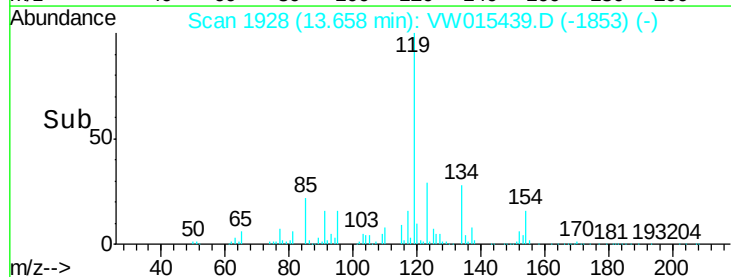
3000000

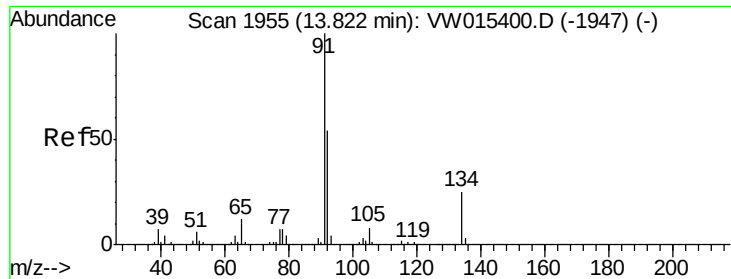
2000000

1000000

0

Time-->





#89

n-Butylbenzene

Concen: 263.840 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

ClientSampled :

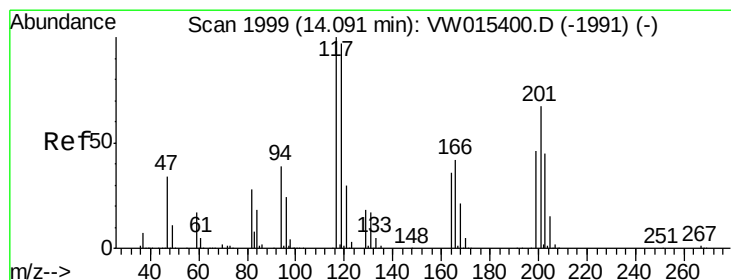
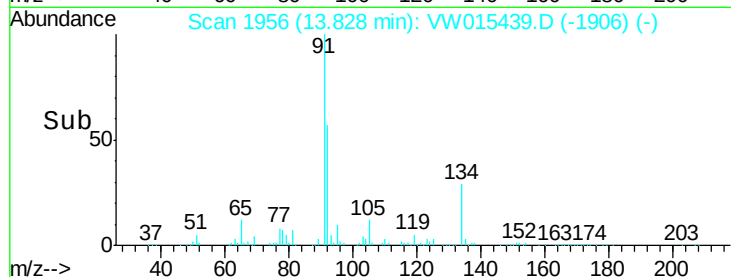
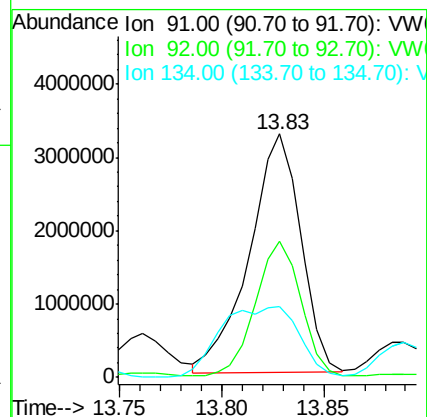
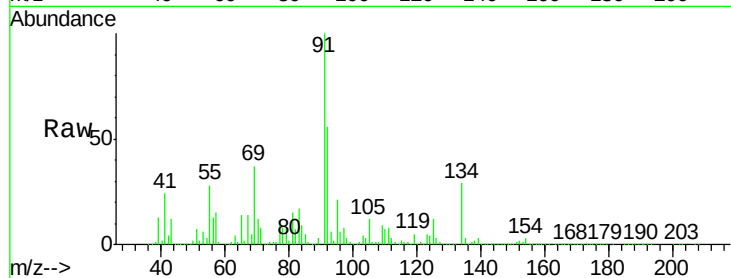
Tot Ion: 91 Resp: 5720669

Ion Ratio Lower Upper

91 100

92 49.9 27.2 81.6

134 45.3 12.6 37.6#



#90

Hexachloroethane

Concen: 352.081 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW015439.D

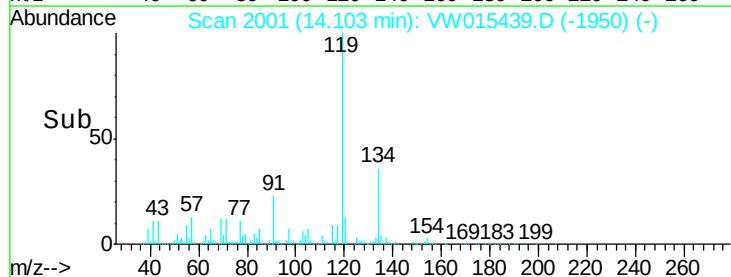
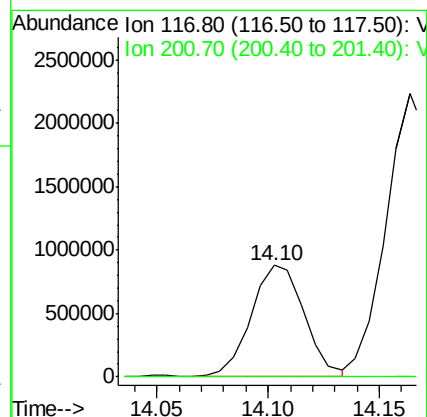
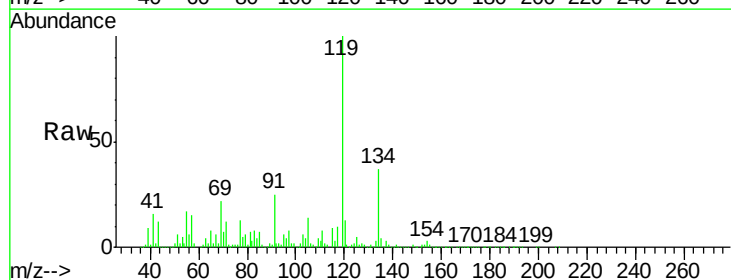
Acq: 15 May 2020 17:31

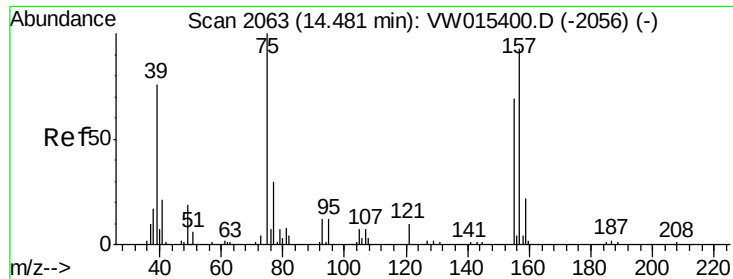
Tgt Ion: 117 Resp: 1436992

Ion Ratio Lower Upper

117 100

201 0.0 35.9 107.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 57.315 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.02 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

Instrument :

MSVOA_W

ClientSampled :

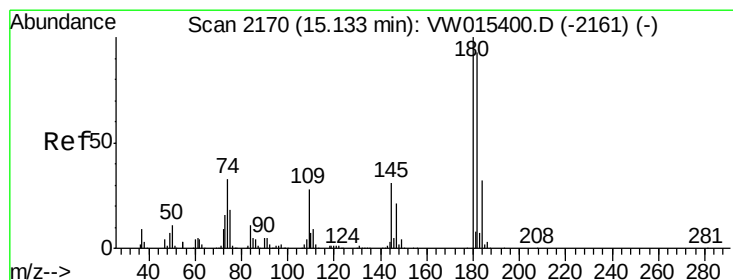
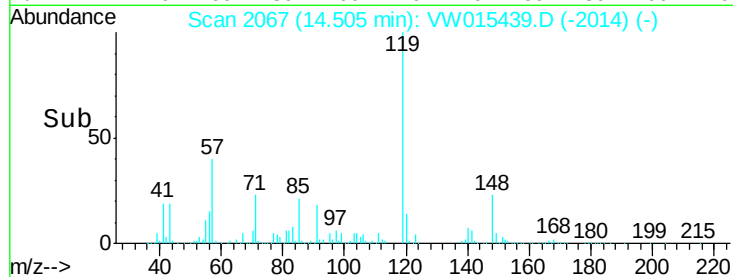
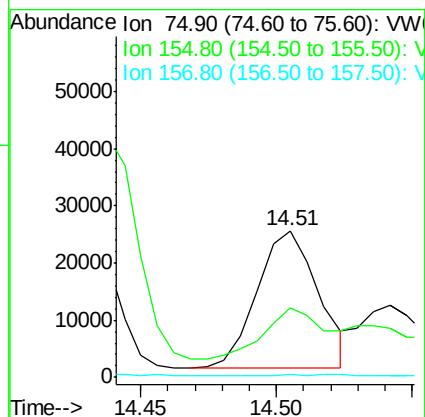
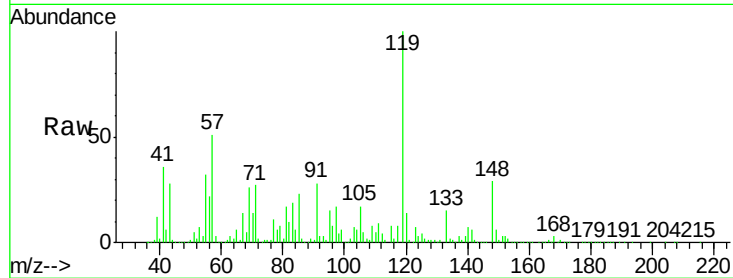
Tot Ion: 75 Resp: 37536

Ion Ratio Lower Upper

75 100

155 37.9 38.7 116.1#

157 0.7 48.1 144.4#



#93

1,2,4-Trichlorobenzene

Concen: 7.395 ug/l

RT: 15.18 min Scan# 2177

Delta R.T. 0.04 min

Lab File: VW015439.D

Acq: 15 May 2020 17:31

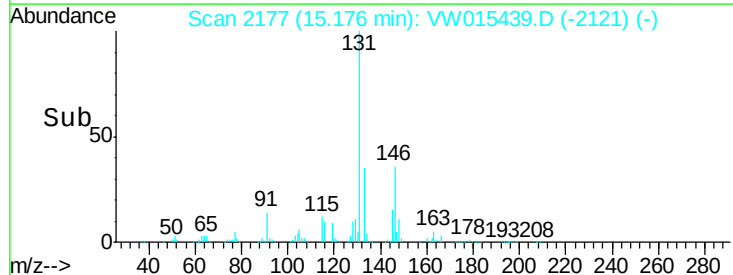
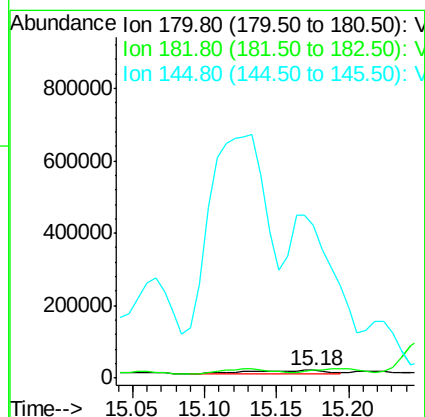
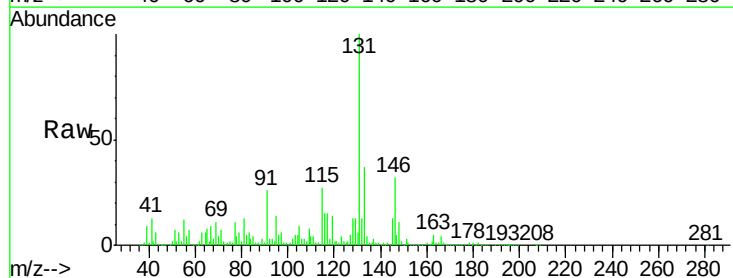
Tgt Ion: 180 Resp: 43564

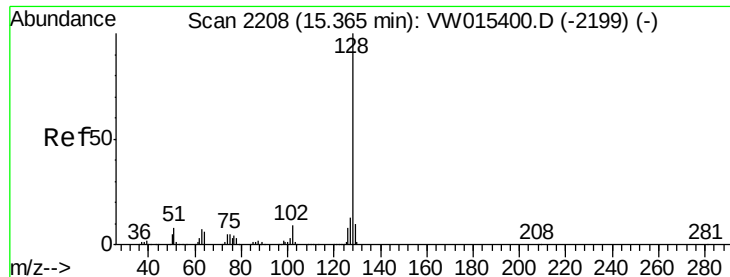
Ion Ratio Lower Upper

180 100

182 0.0 47.2 141.6#

145 1531.7 15.6 46.8#

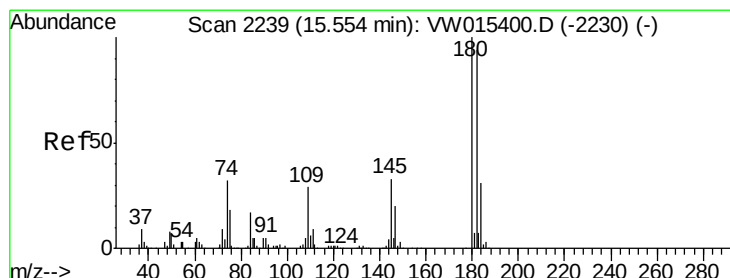
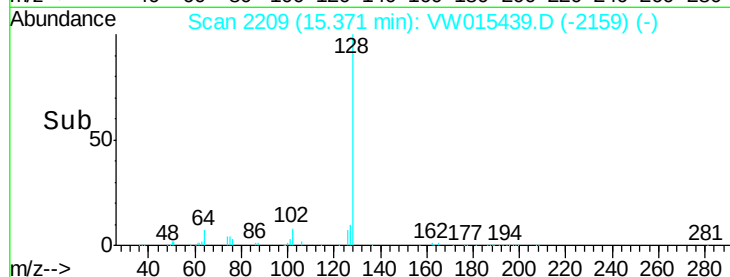
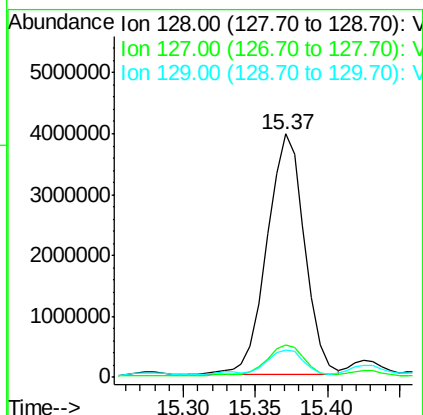
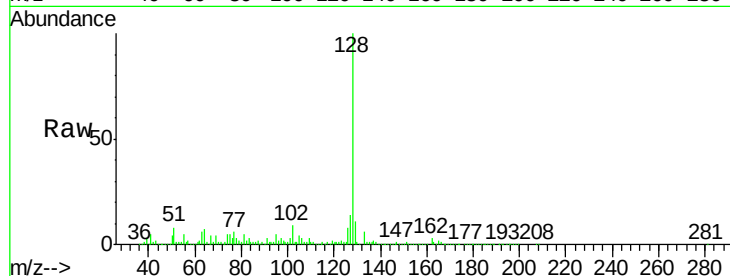




#95
Naphthalene
Concen: 682.070 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 7197075
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 9.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 4.344 ug/l
RT: 15.58 min Scan# 2243
Delta R.T. 0.02 min
Lab File: VW015439.D
Acq: 15 May 2020 17:31

Tgt Ion:180 Resp: 21988
Ion Ratio Lower Upper
180 100
182 0.0 47.6 142.8#
145 0.0 16.3 48.8#

