

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051520\
 Data File : VW015440.D
 Acq On : 15 May 2020 17:58
 Operator : SY/VA
 Sample : L2679-07
 Misc : 7.91G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 16 02:55:10 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	64474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	91142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	61990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.54	152	73214	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	27814	39.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.48%	
35) Dibromofluoromethane	7.88	113	26636	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.32	98	289621	133.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	267.56%	
62) 4-Bromofluorobenzene	12.61	95	154805	193.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	387.30%	

Target Compounds

						Qvalue
13) Acrolein	4.10	56	3461	66.315	ug/l	90
15) Acrylonitrile	5.43	53	6497	49.281	ug/l #	41
16) Acetone	4.12	43	12858	116.783	ug/l #	77
17) Carbon Disulfide	4.38	76	4248	2.223	ug/l #	94
20) Methylene Chloride	4.92	84	2301	3.203	ug/l #	51
25) 2-Butanone	7.17	43	7495	43.674	ug/l #	54
29) Tetrahydrofuran	7.52	42	469	4.153	ug/l #	34
31) Cyclohexane	7.95	56	313029	241.025	ug/l #	90
36) 1,1-Dichloropropene	7.95	75	5251	5.864	ug/l #	43
37) Ethyl Acetate	7.17	43	7495	21.571	ug/l #	70
38) Carbon Tetrachloride	7.95	117	6519	7.787	ug/l #	17
39) Methylcyclohexane	9.34	83	1806273	1593.539	ug/l	98
41) Methacrylonitrile	7.52	41	3334	15.187	ug/l #	58
42) 1,2-Dichloroethane	8.43	62	1548	2.081	ug/l #	1
43) Isopropyl Acetate	8.42	43	161763	221.372	ug/l #	52
45) 1,2-Dichloropropane	9.38	63	1726	2.861	ug/l #	1
47) Bromodichloromethane	9.62	83	48832	59.713	ug/l #	37
48) Methyl methacrylate	9.38	41	273415	810.035	ug/l #	33
51) 4-Methyl-2-Pentanone	10.32	43	134718	393.389	ug/l #	41
52) Toluene	10.38	92	1938	1.221	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	714718	1684.380	ug/l #	21
56) Ethyl methacrylate	10.66	69	233448	400.420	ug/l #	14
58) 2-Chloroethyl Vinyl ether	9.90	63	2423	8.543	ug/l #	47
59) 2-Hexanone	10.93	43	1357254	5857.429	ug/l #	30
60) Dibromochloromethane	11.04	129	7726	15.139	ug/l	69
61) 1,2-Dibromoethane	11.24	107	576	1.434	ug/l #	3
64) Tetrachloroethene	10.86	164	669	1.766	ug/l #	64
65) Chlorobenzene	11.55	112	13745	11.246	ug/l #	43
67) Ethyl Benzene	11.73	91	16045	6.859	ug/l	90
68) m/p-Xylenes	11.84	106	2100	2.414	ug/l #	1
71) Bromoform	12.36	173	344	1.628	ug/l #	62
73) Isopropylbenzene	12.46	105	905918	165.739	ug/l	100
74) N-amyl acetate	12.26	43	1274422	986.368	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.69	83	84531	98.859	ug/l #	64

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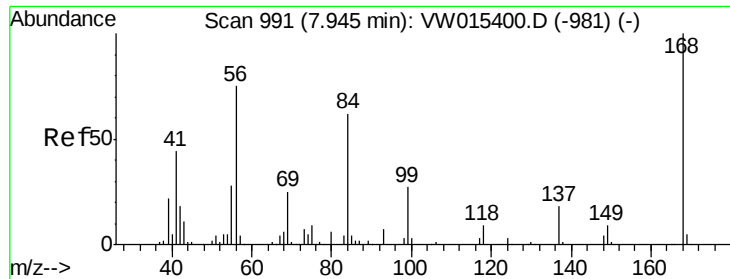
Instrument :
 MSVOA_W
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Quant Time: May 16 02:55:10 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

76) 1,2,3-Trichloropropane	12.80	75	13304	22.089	ug/l #	100
77) Bromobenzene	12.71	156	2398	2.070	ug/l #	1
78) n-propylbenzene	12.80	91	2144439	327.004	ug/l	100
79) 2-Chlorotoluene	12.80	91	2144439	580.105	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.90	105	148739	32.306	ug/l	71
81) trans-1,4-Dichloro-2-buten	12.46	75	11388	37.400	ug/l #	3
82) 4-Chlorotoluene	12.80	91	2145165	547.572	ug/l #	43
83) tert-Butylbenzene	13.21	119	58208	14.817	ug/l	76
84) 1,2,4-Trimethylbenzene	13.10	105	67158	14.581	ug/l	78
85) sec-Butylbenzene	13.38	105	1701459	307.387	ug/l	86
86) p-Isopropyltoluene	13.65	119	238329	47.209	ug/l	89
89) n-Butylbenzene	13.82	91	1172853	237.314	ug/l #	83
90) Hexachloroethane	14.10	117	315302	338.922	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7338	49.157	ug/l #	21
93) 1,2,4-Trichlorobenzene	15.14	180	6217	4.630	ug/l #	1
95) Naphthalene	15.36	128	960836	399.491	ug/l	95
96) 1,2,3-Trichlorobenzene	15.52	180	13978	12.116	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

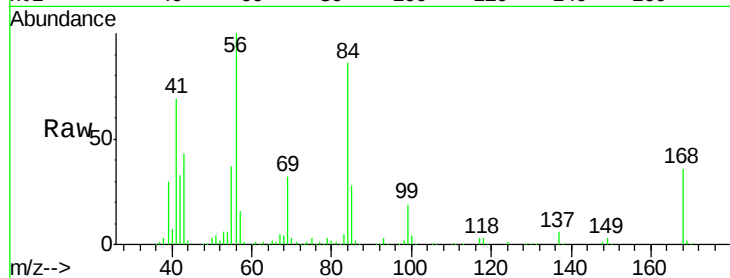
ClientSampleId :

Tot Ion:168 Resp: 64474

Ion Ratio Lower Upper

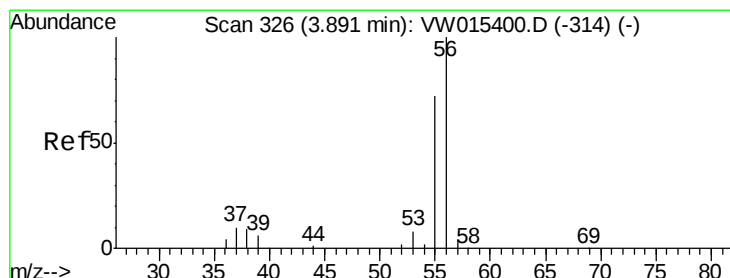
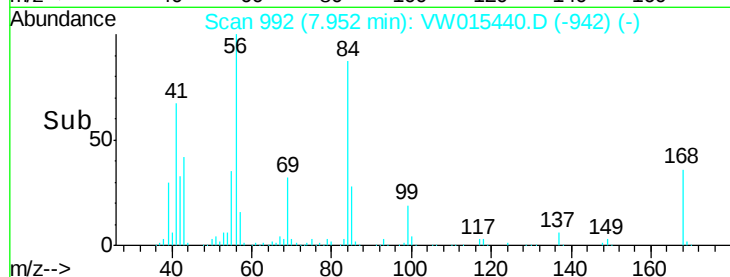
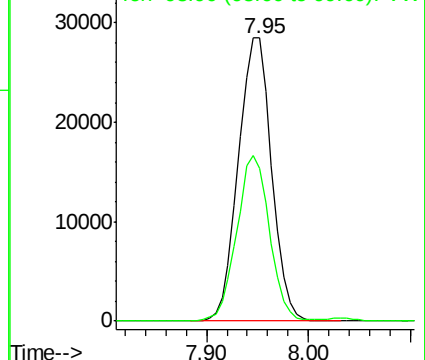
168 100

99 54.0 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 66.315 ug/l

RT: 4.10 min Scan# 361

Delta R.T. 0.21 min

Lab File: VW015440.D

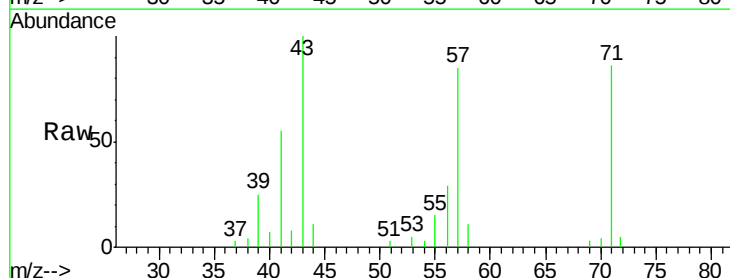
Acq: 15 May 2020 17:58

Tgt Ion: 56 Resp: 3461

Ion Ratio Lower Upper

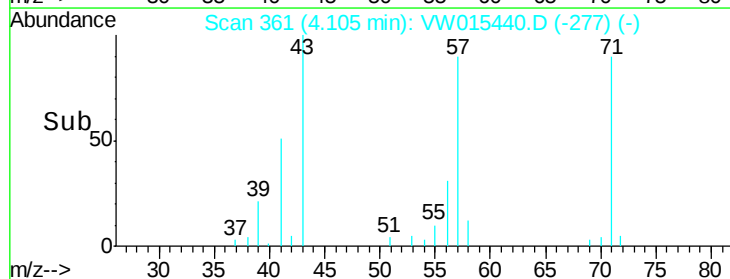
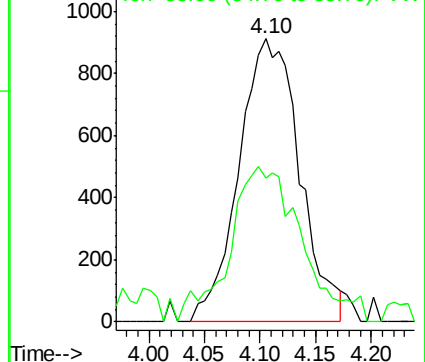
56 100

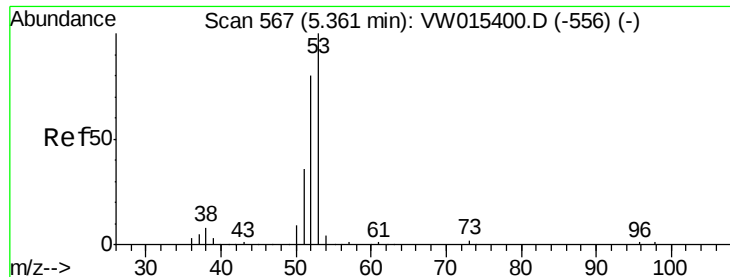
55 62.5 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#15

Acrylonitrile

Concen: 49.281 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.07 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

ClientSampleId :

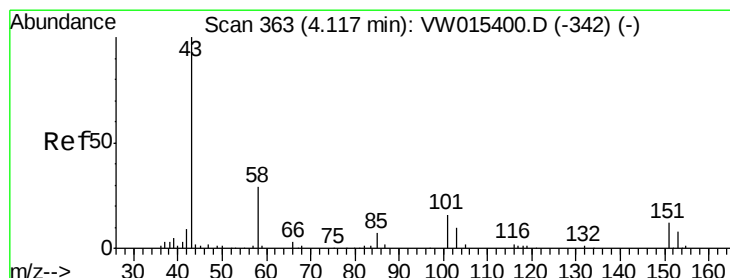
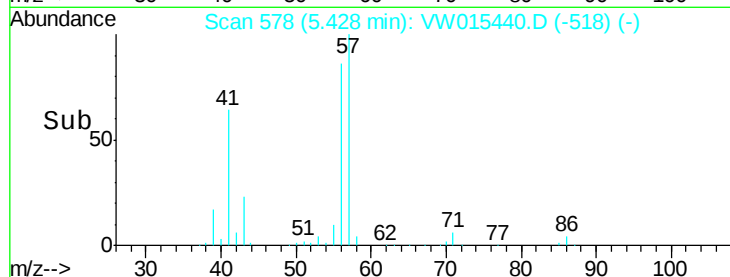
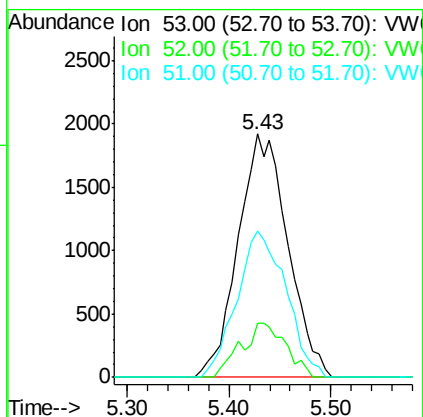
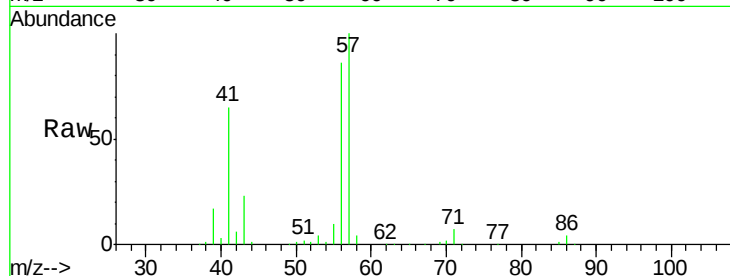
Tot Ion: 53 Resp: 6497

Ion Ratio Lower Upper

53 100

52 20.1 66.6 99.8#

51 59.5 30.2 45.2#



#16

Acetone

Concen: 116.783 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW015440.D

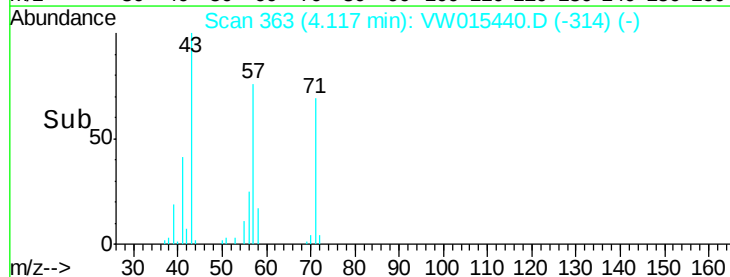
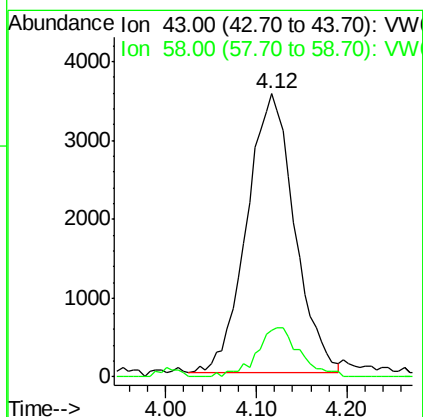
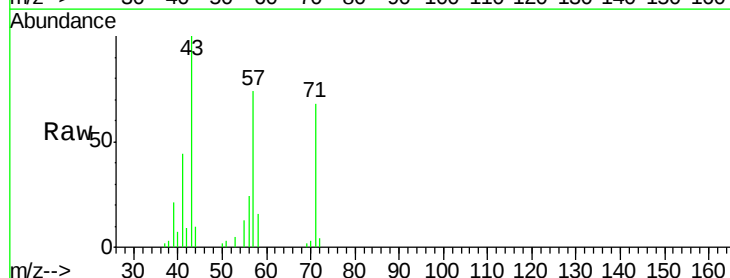
Acq: 15 May 2020 17:58

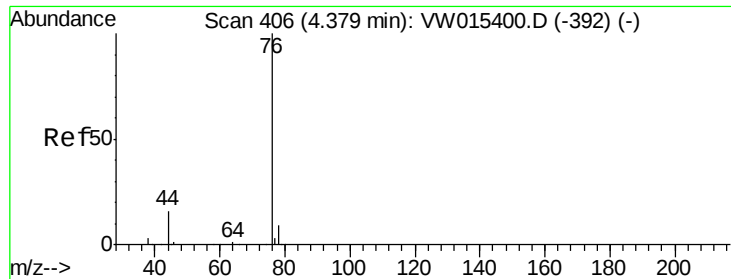
Tgt Ion: 43 Resp: 12858

Ion Ratio Lower Upper

43 100

58 16.6 23.4 35.0#

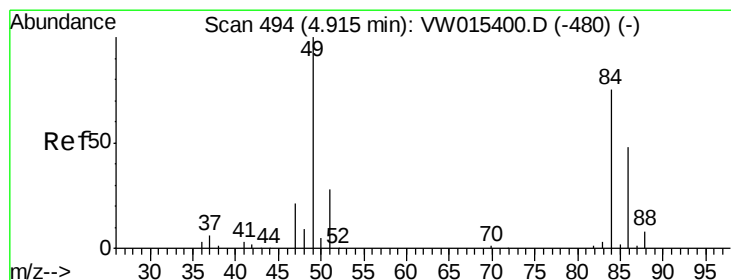
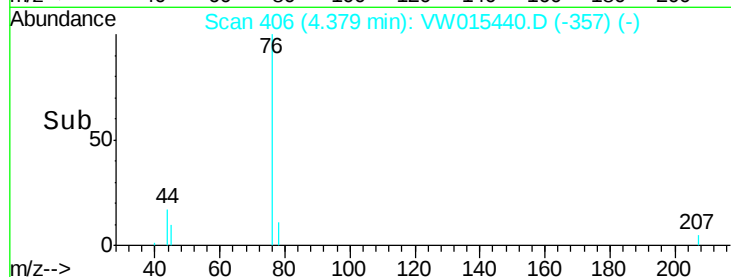
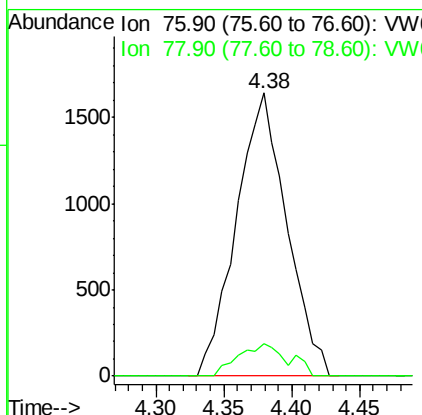
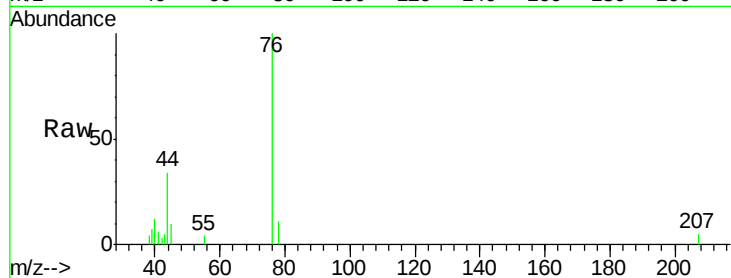




#17
Carbon Disulfide
Concen: 2.223 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

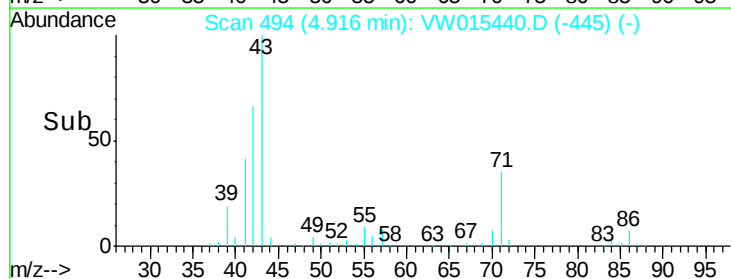
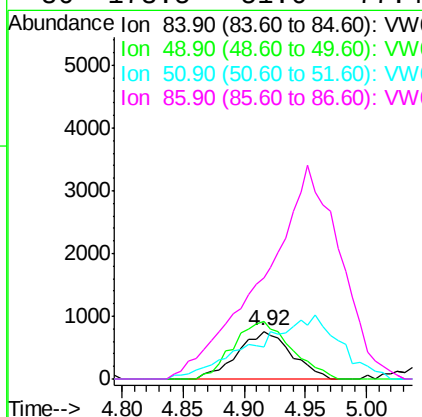
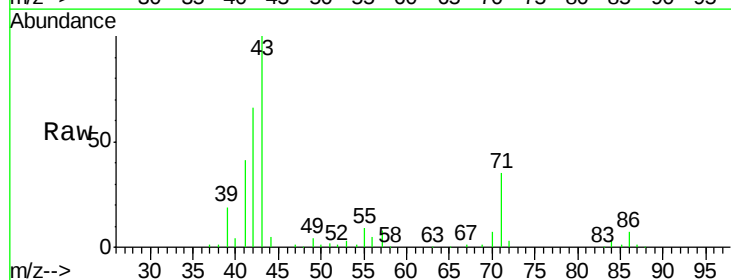
Instrument :
MSVOA_W
ClientSampleId :

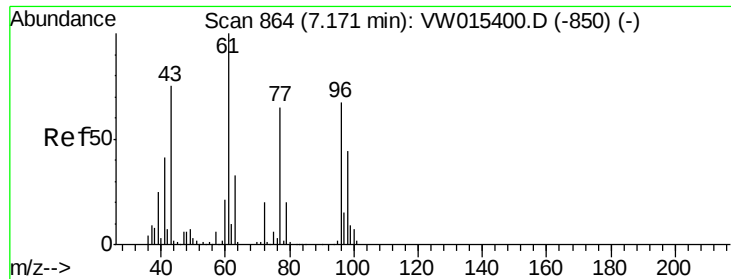
Tot Ion: 76 Resp: 4248
Ion Ratio Lower Upper
76 100
78 11.4 7.3 10.9#



#20
Methylene Chloride
Concen: 3.203 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

Tgt Ion: 84 Resp: 2301
Ion Ratio Lower Upper
84 100
49 120.0 106.4 159.6
51 56.9 30.2 45.2#
86 173.5 51.6 77.4#





#25

2-Butanone

Concen: 43.674 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

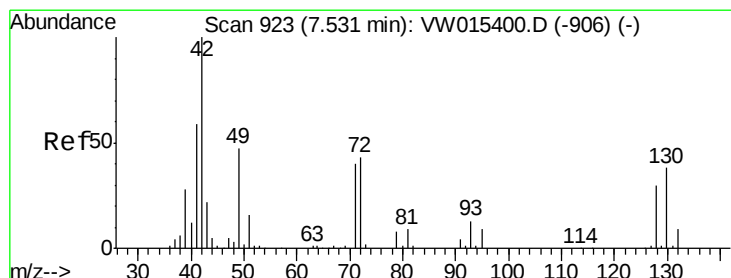
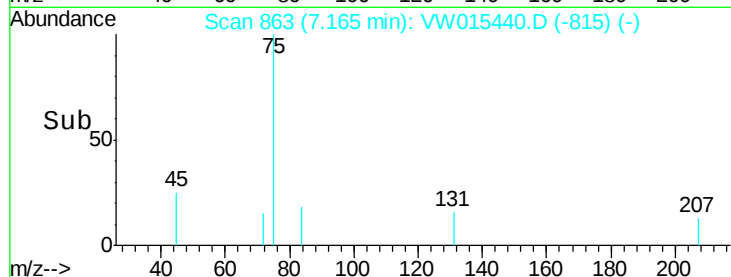
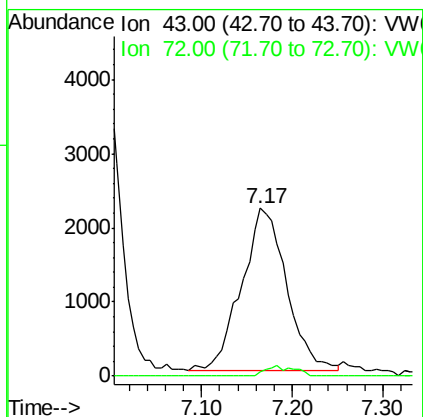
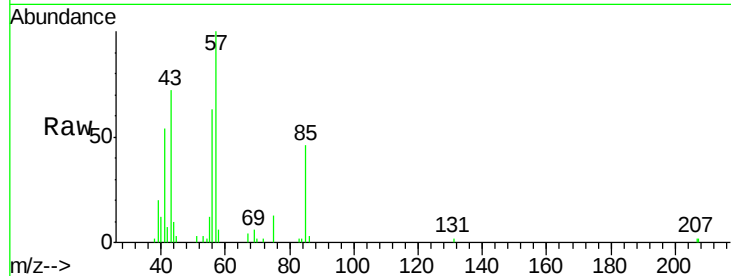
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 7495

Ion Ratio Lower Upper

43 100

72 2.8 21.4 32.0#



#29

Tetrahydrofuran

Concen: 4.153 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

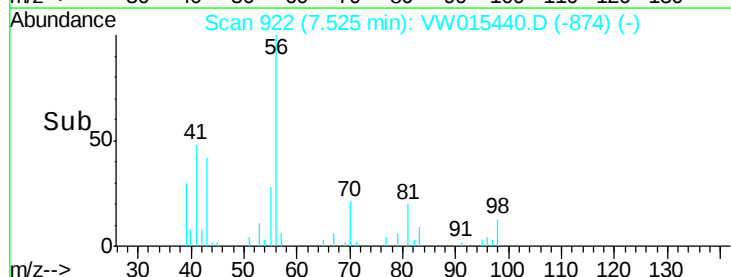
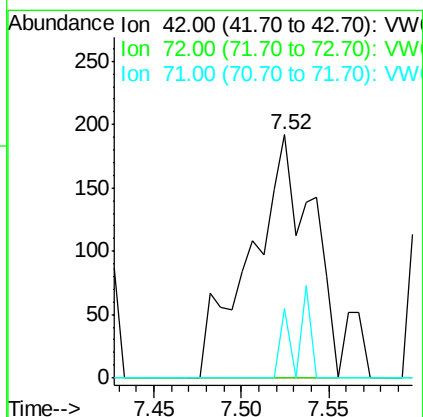
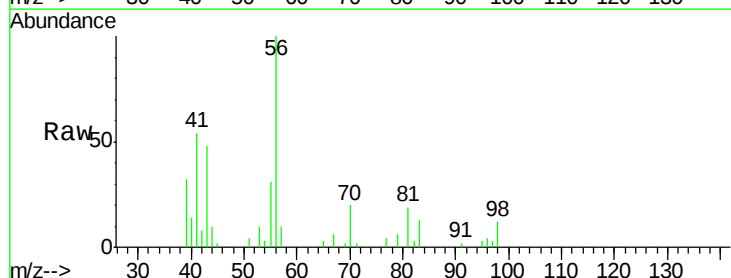
Tgt Ion: 42 Resp: 469

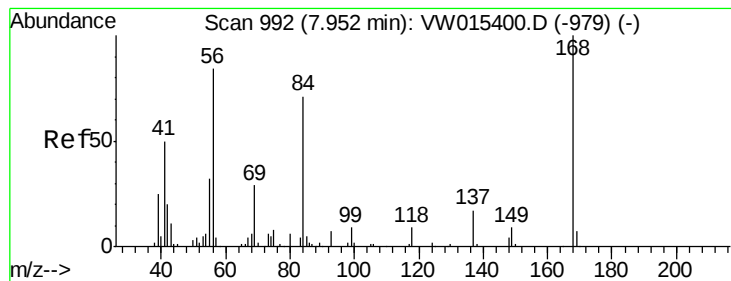
Ion Ratio Lower Upper

42 100

72 0.0 33.6 50.4#

71 0.0 32.1 48.1#





#31

Cyclohexane

Concen: 241.025 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :
MSVOA_W
ClientSampled :

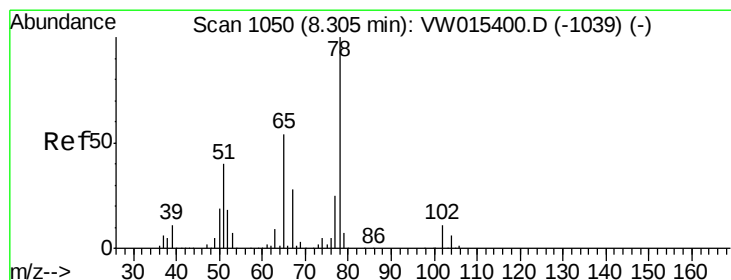
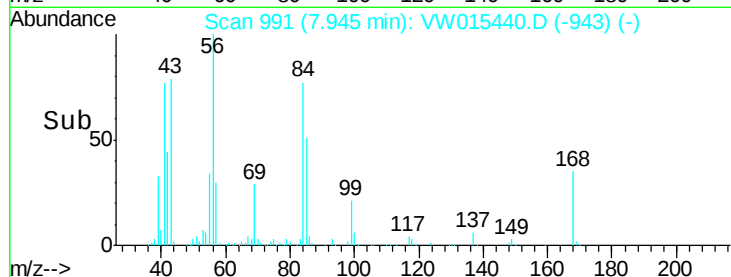
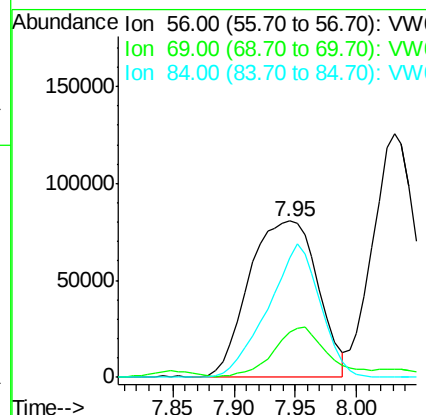
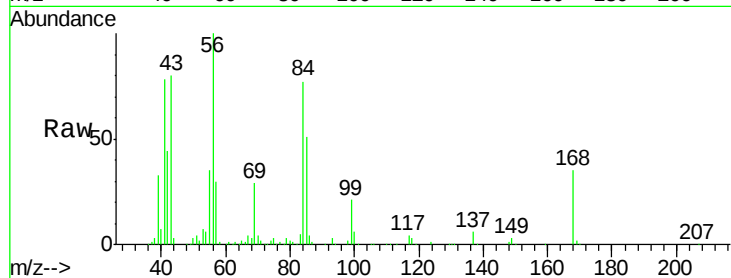
Tot Ion: 56 Resp: 313029

Ion Ratio Lower Upper

56 100

69 26.8 27.2 40.8#

84 77.0 67.7 101.5



#33

1,2-Dichloroethane-d4

Concen: 39.244 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015440.D

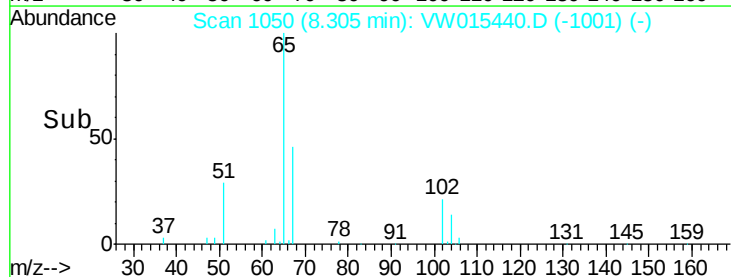
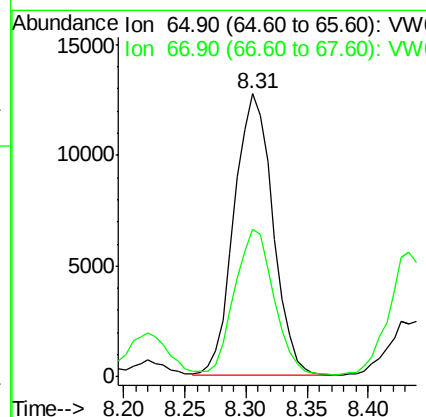
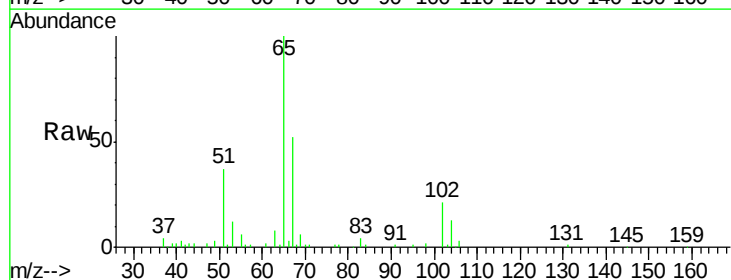
Acq: 15 May 2020 17:58

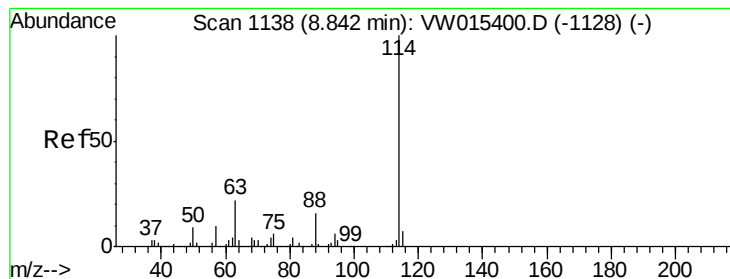
Tgt Ion: 65 Resp: 27814

Ion Ratio Lower Upper

65 100

67 52.2 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: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

ClientSampleId :

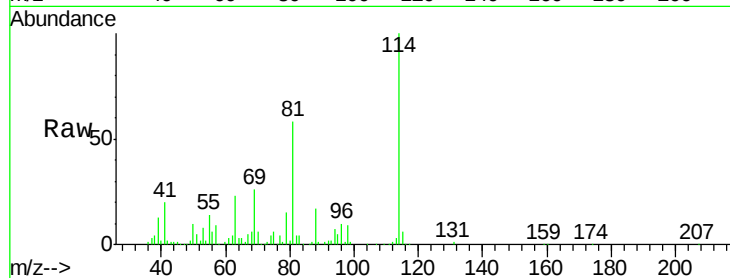
Tot Ion:114 Resp: 91142

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.4

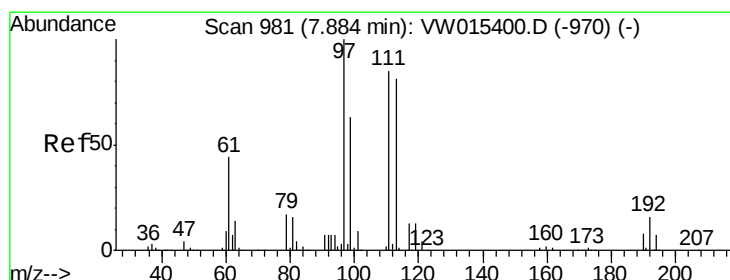
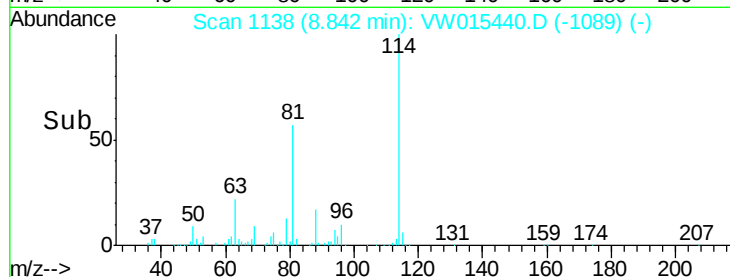
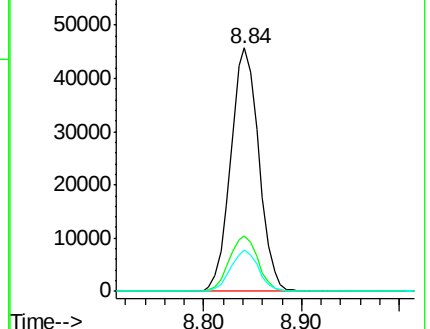
88 17.2 0.0 31.8



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: 50.918 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

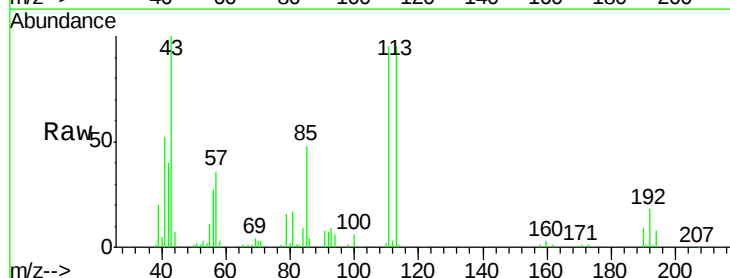
Tgt Ion:113 Resp: 26636

Ion Ratio Lower Upper

113 100

111 102.0 82.9 124.3

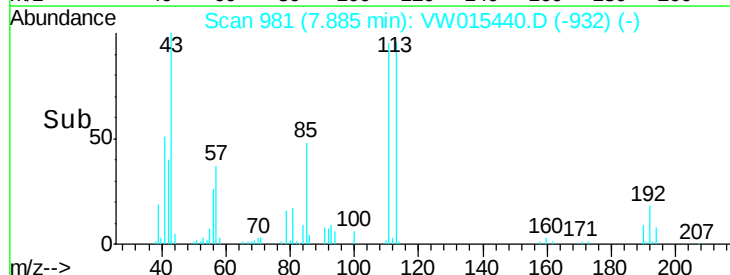
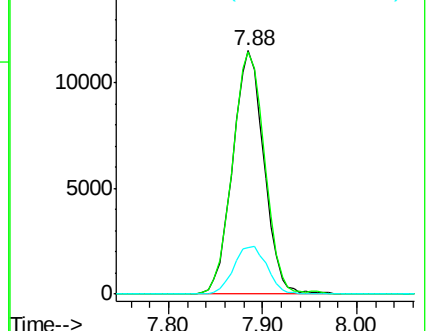
192 20.7 15.4 23.0

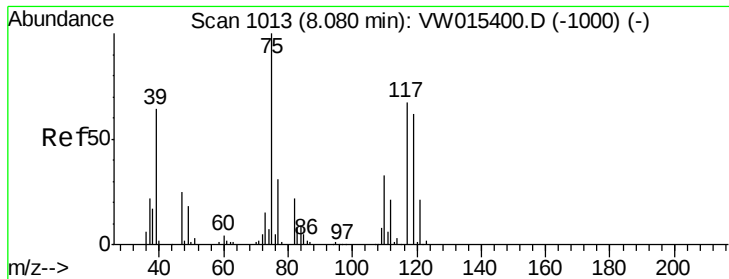


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.864 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW015440.D

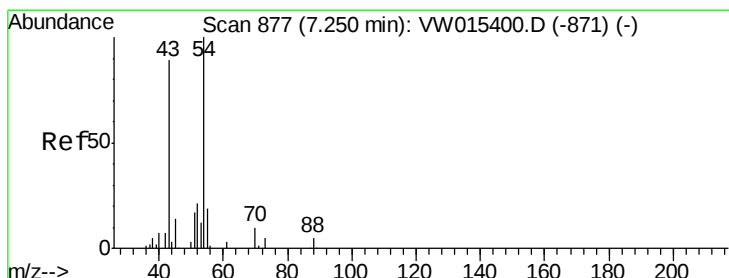
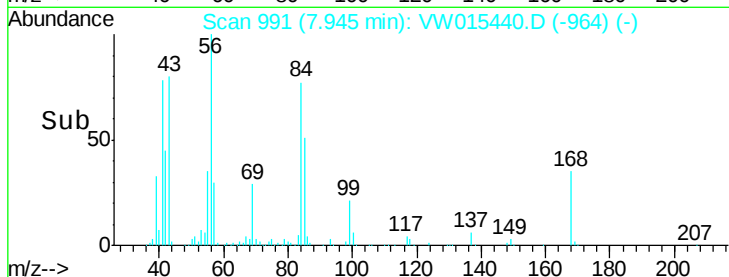
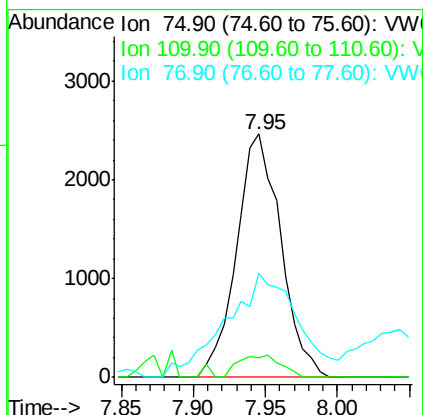
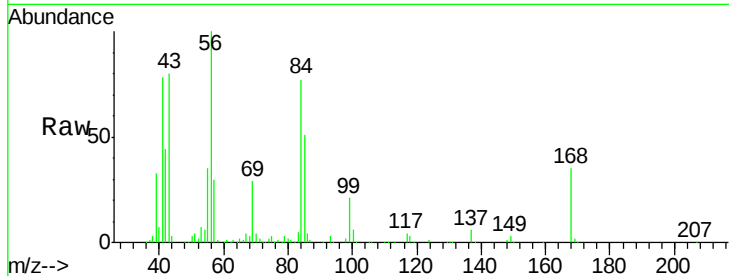
Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	75	Resp:	5251
Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.6	49.8#
77	69.8	24.5	36.7#



#37

Ethyl Acetate

Concen: 21.571 ug/l

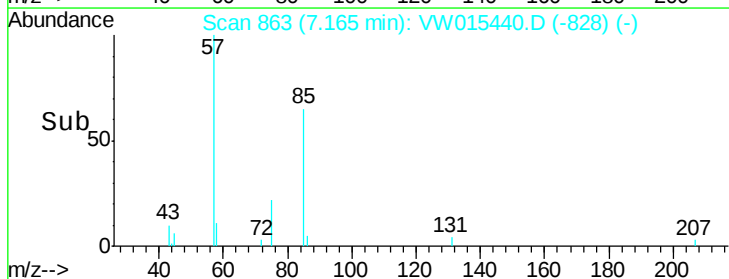
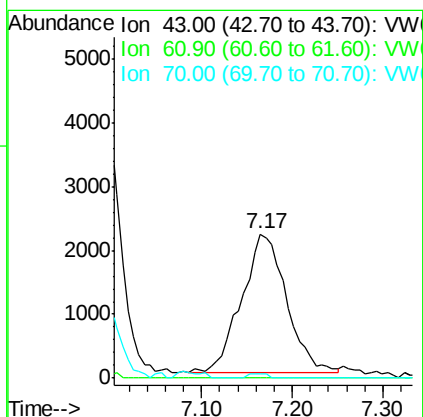
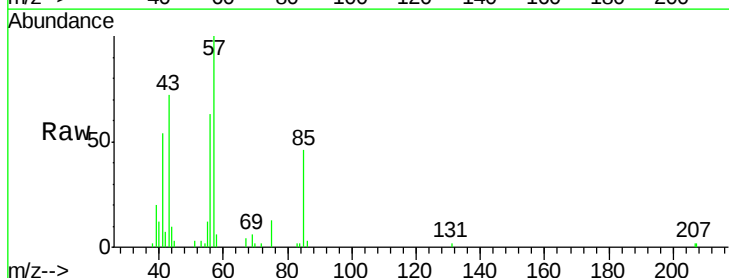
RT: 7.17 min Scan# 863

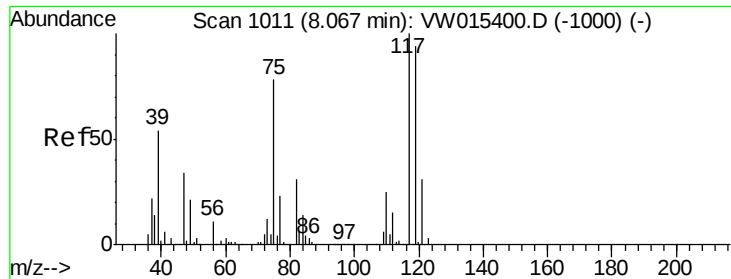
Delta R.T. -0.09 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Tgt Ion:	43	Resp:	7495
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.2	15.2#
70	0.0	8.0	12.0#

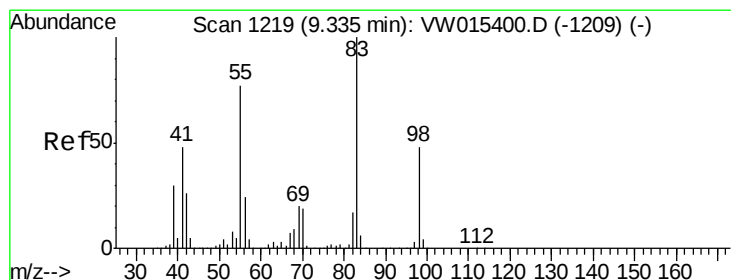
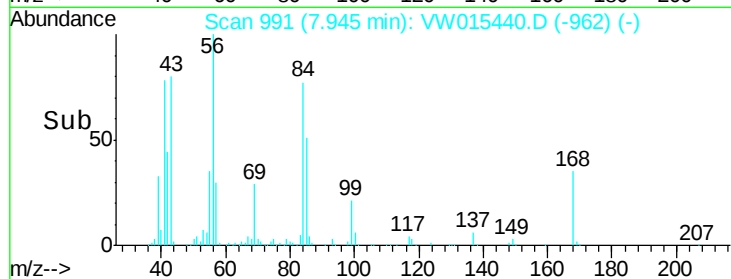
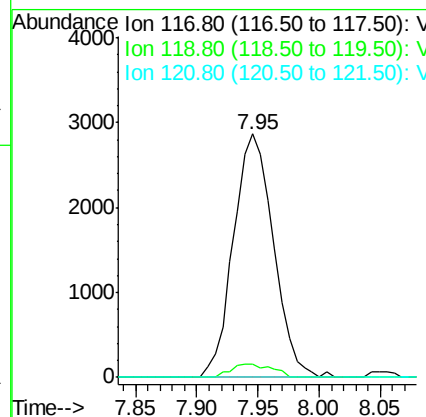
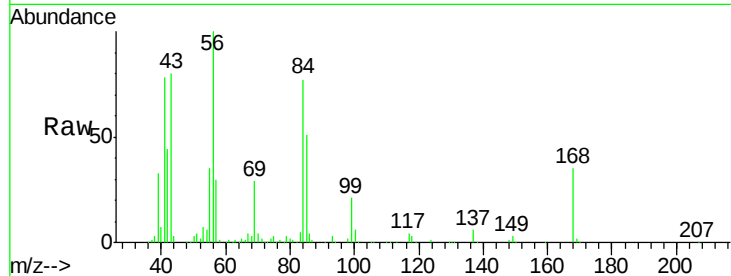




#38
Carbon Tetrachloride
Concen: 7.787 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

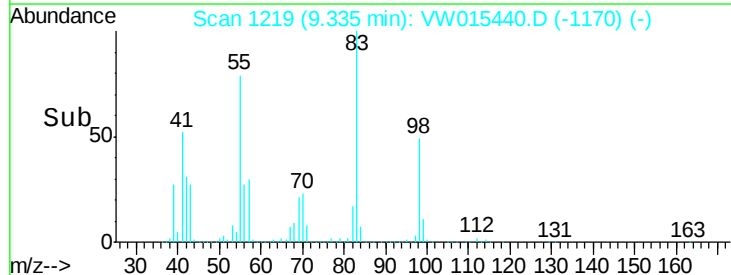
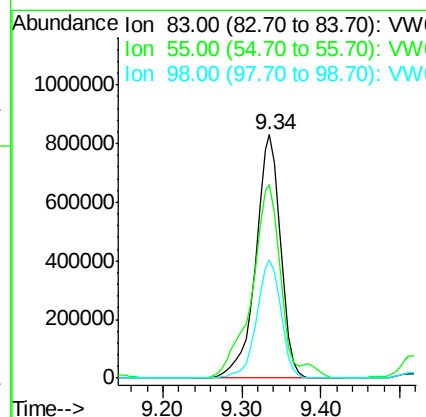
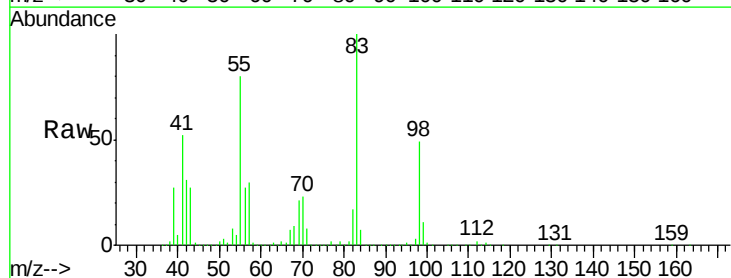
Instrument :
MSVOA_W
ClientSampleId :

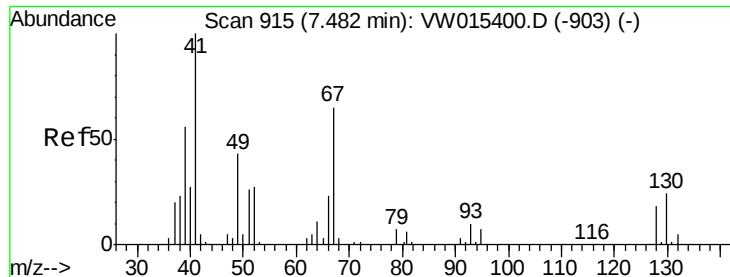
Tot Ion:117 Resp: 6519
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.0#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 1593.539 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

Tgt Ion: 83 Resp: 1806273
Ion Ratio Lower Upper
83 100
55 79.5 61.9 92.9
98 48.7 38.2 57.2





#41

Methacrylonitrile

Concen: 15.187 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.04 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 41 Resp: 3334

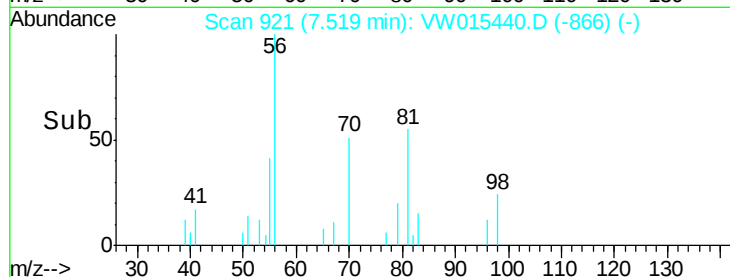
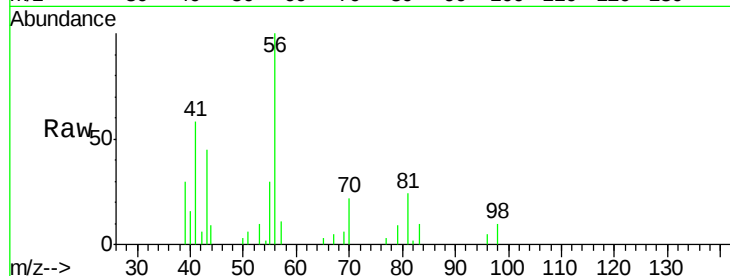
Ion Ratio Lower Upper

41 100

39 61.4 46.2 69.4

67 14.7 56.2 84.2#

52 0.6 25.0 37.6#

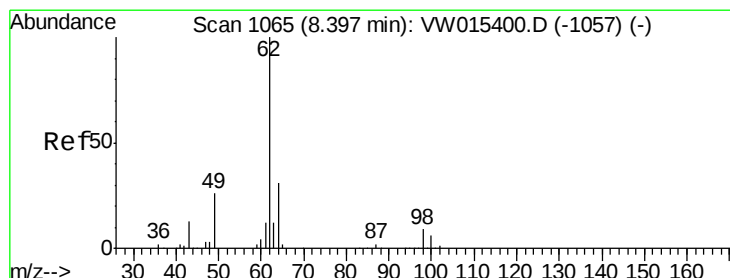
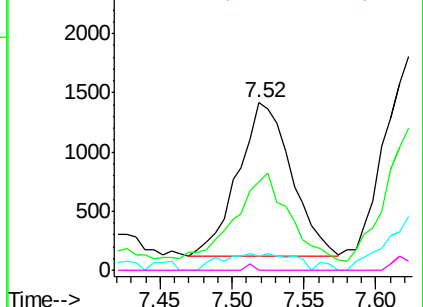


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 2.081 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.03 min

Lab File: VW015440.D

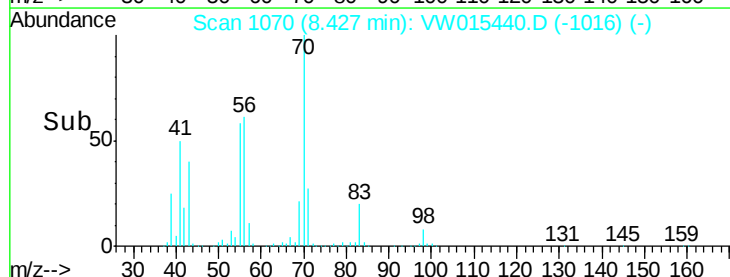
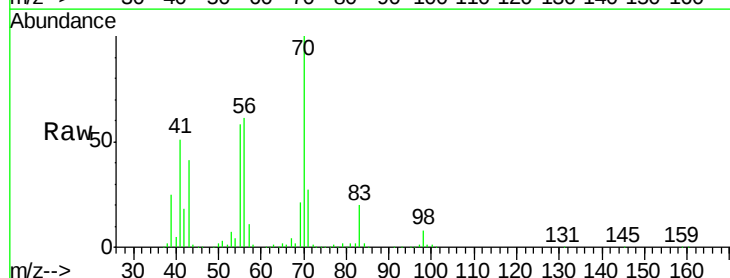
Acq: 15 May 2020 17:58

Tgt Ion: 62 Resp: 1548

Ion Ratio Lower Upper

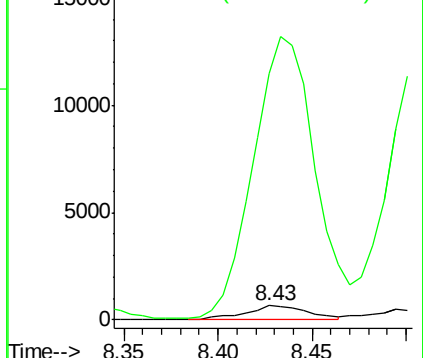
62 100

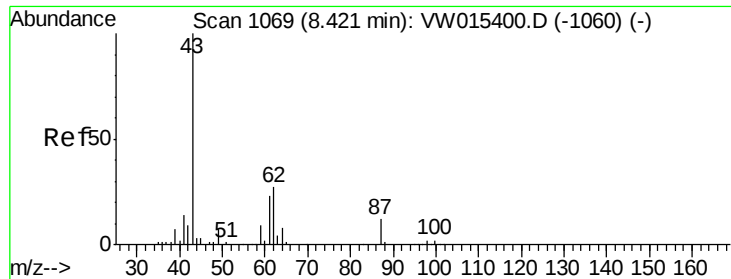
98 1918.9 0.0 17.6#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 221.372 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

ClientSampleId :

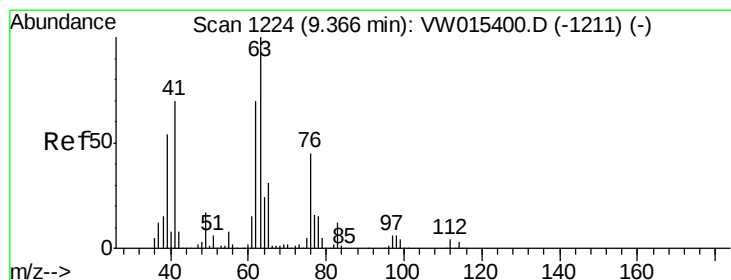
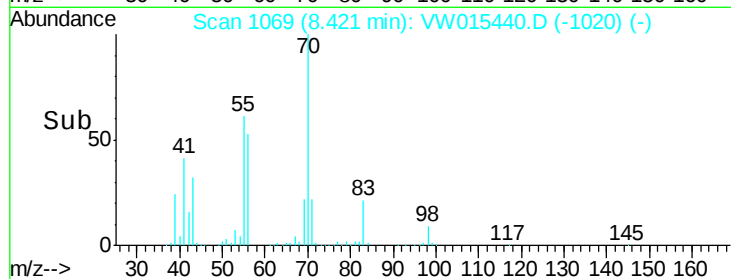
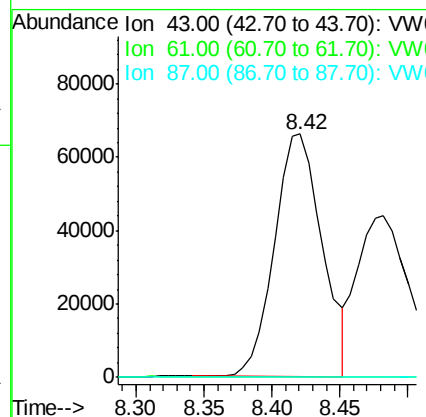
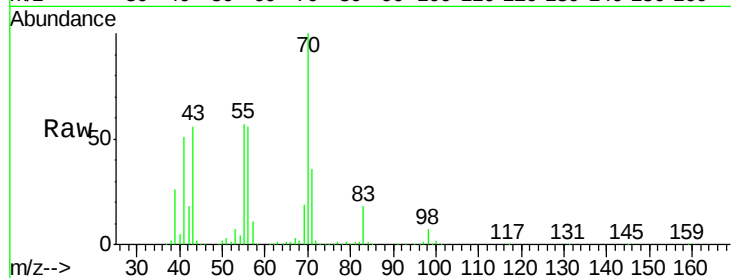
Tot Ion: 43 Resp: 161763

Ion Ratio Lower Upper

43 100

61 0.3 24.3 36.5#

87 0.0 10.1 15.1#



#45

1,2-Dichloropropane

Concen: 2.861 ug/l

RT: 9.38 min Scan# 1227

Delta R.T. 0.02 min

Lab File: VW015440.D

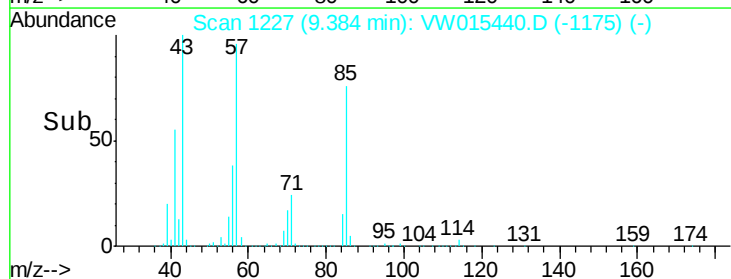
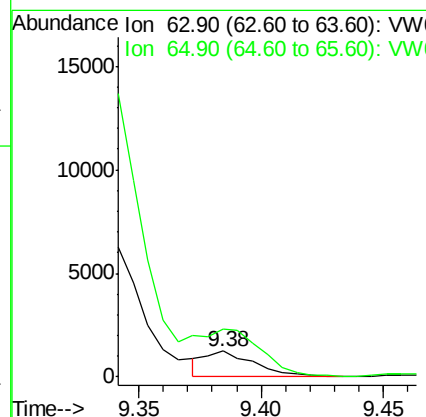
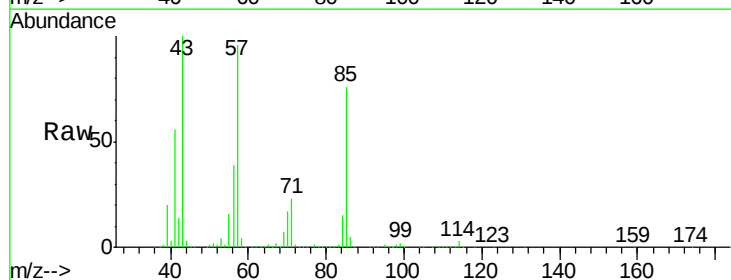
Acq: 15 May 2020 17:58

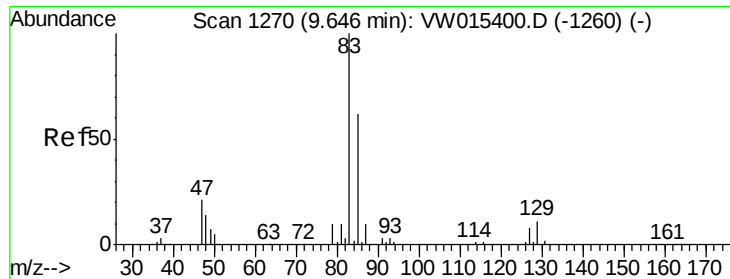
Tgt Ion: 63 Resp: 1726

Ion Ratio Lower Upper

63 100

65 187.0 25.0 37.6#





#47

Bromodichloromethane

Concen: 59.713 ug/l

RT: 9.62 min Scan# 1265

Delta R.T. -0.03 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

ClientSampleId :

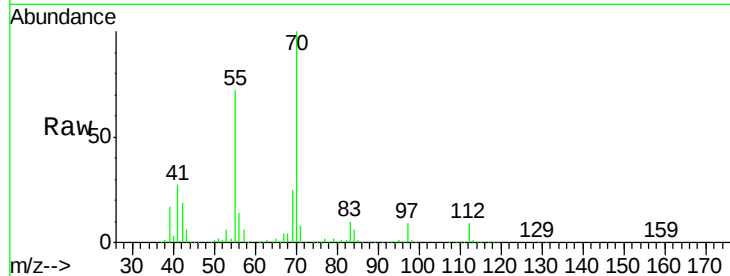
Tot Ion: 83 Resp: 48832

Ion Ratio Lower Upper

83 100

85 8.9 49.4 74.0#

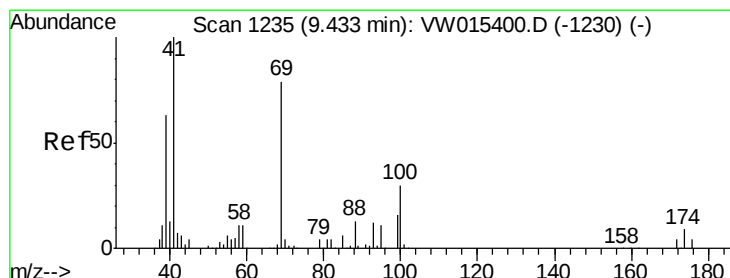
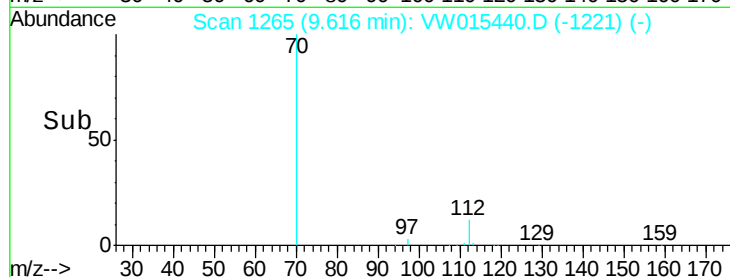
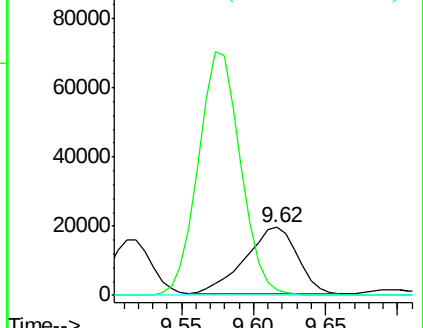
127 0.0 6.4 9.6#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 810.035 ug/l

RT: 9.38 min Scan# 1227

Delta R.T. -0.05 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

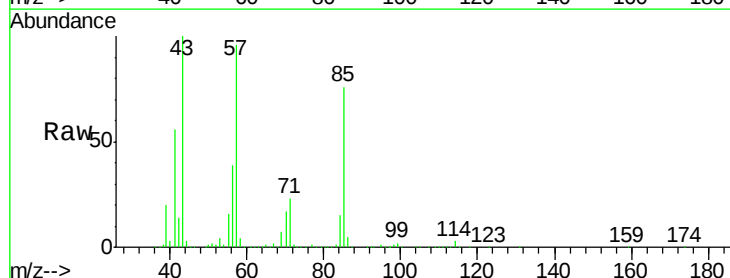
Tgt Ion: 41 Resp: 273415

Ion Ratio Lower Upper

41 100

69 0.0 66.2 99.4#

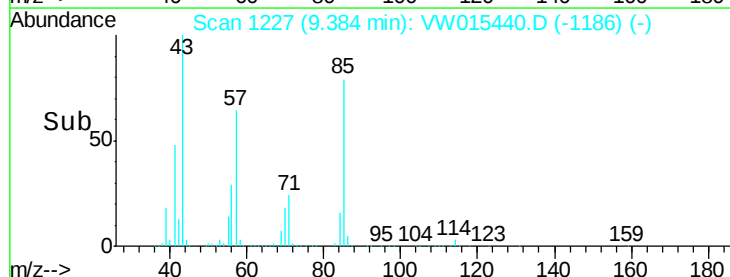
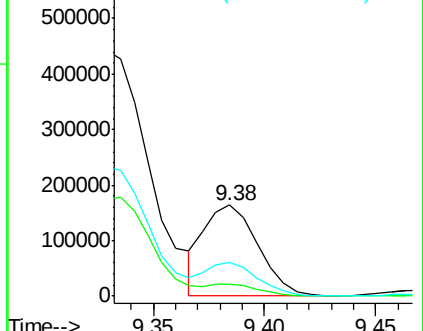
39 36.4 51.1 76.7#

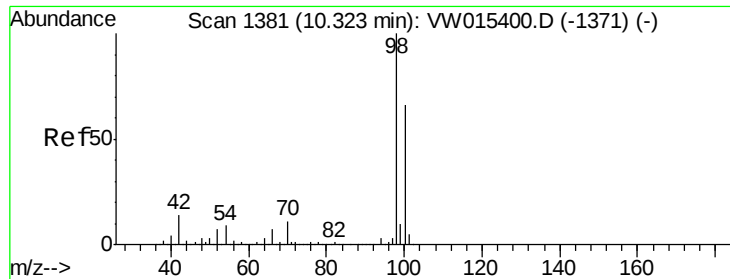


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 133.783 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

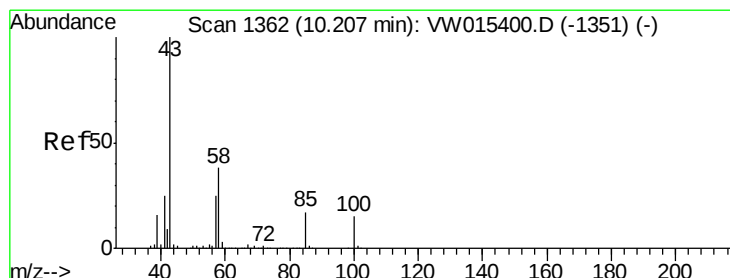
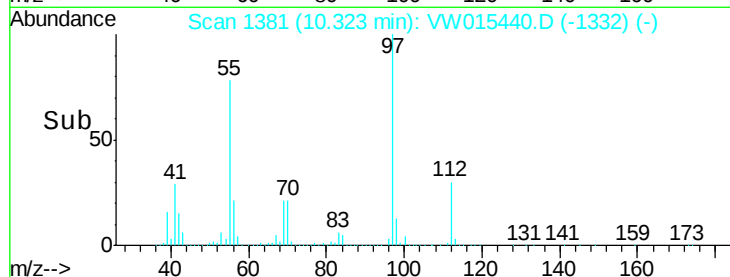
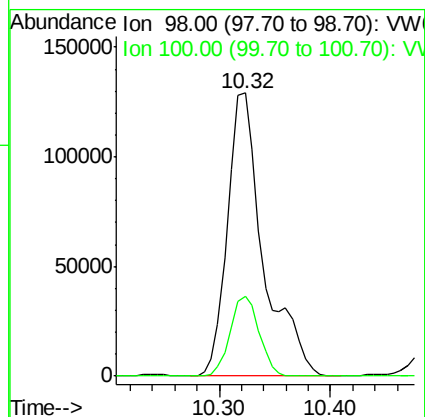
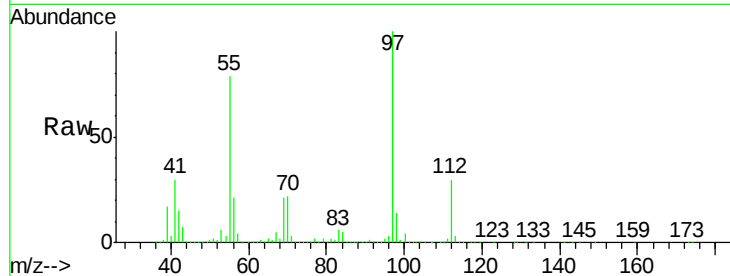
ClientSampleId :

Tot Ion: 98 Resp: 289621

Ion Ratio Lower Upper

98 100

100 22.7 52.7 79.1#



#51

4-Methyl-2-Pentanone

Concen: 393.389 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW015440.D

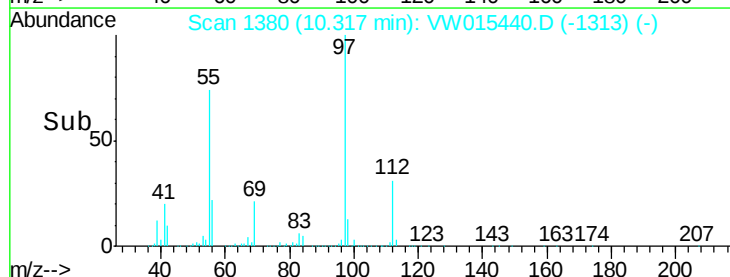
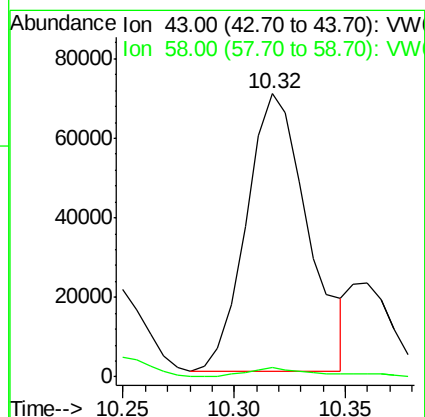
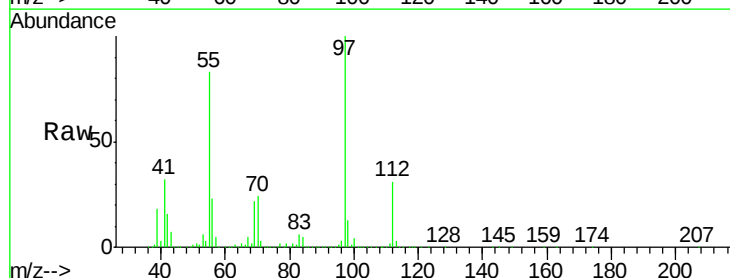
Acq: 15 May 2020 17:58

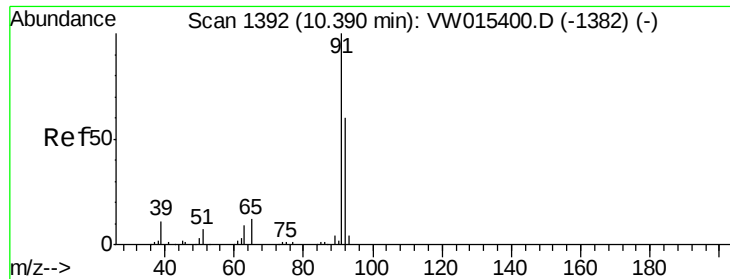
Tgt Ion: 43 Resp: 134718

Ion Ratio Lower Upper

43 100

58 2.9 30.8 46.2#





#52

Toluene

Concen: 1.221 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

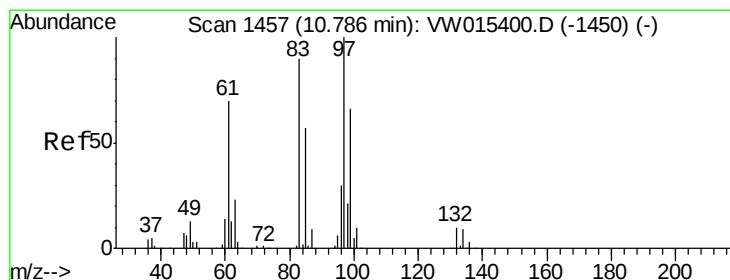
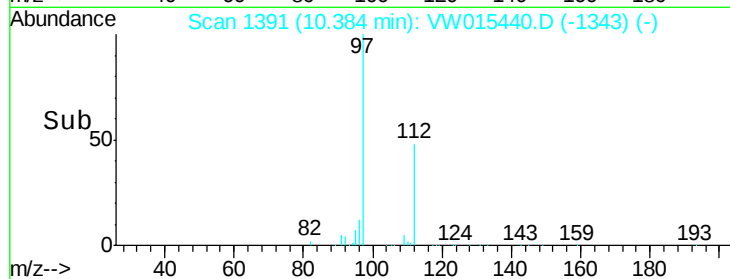
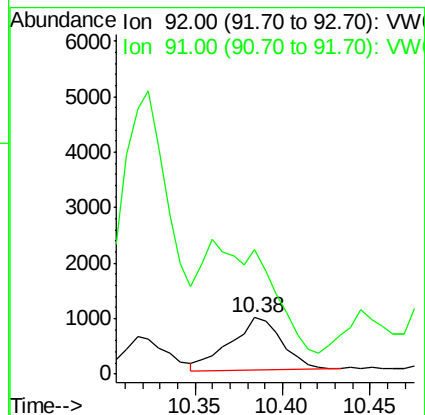
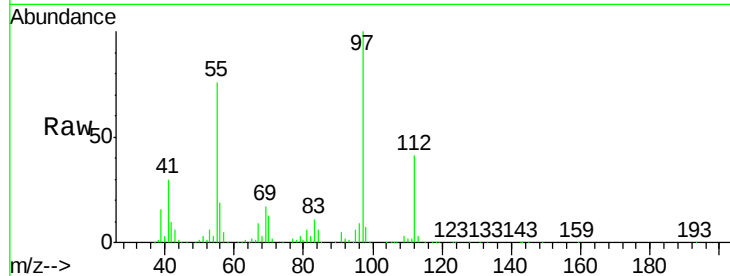
ClientSampleId :

Tot Ion: 92 Resp: 1938

Ion Ratio Lower Upper

92 100

91 0.0 135.9 203.9#



#55

1,1,2-Trichloroethane

Concen: 1684.380 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Tgt Ion: 97 Resp: 714718

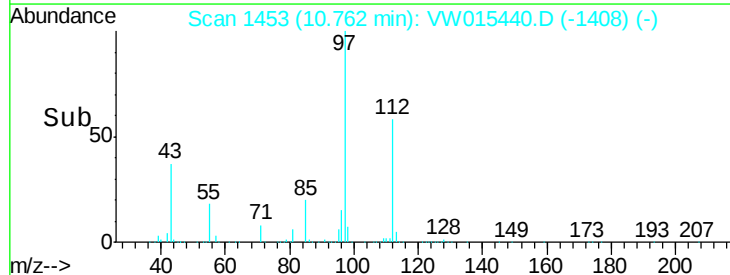
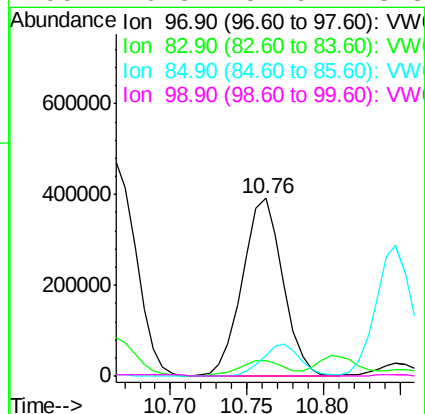
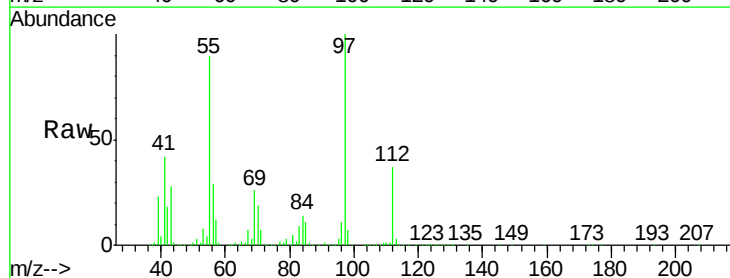
Ion Ratio Lower Upper

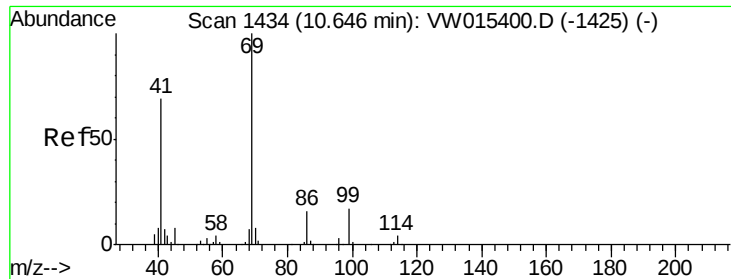
97 100

83 8.8 72.2 108.4#

85 11.2 45.2 67.8#

99 0.3 52.6 78.8#





#56

Ethyl methacrylate

Concen: 400.420 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.02 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

ClientSampled :

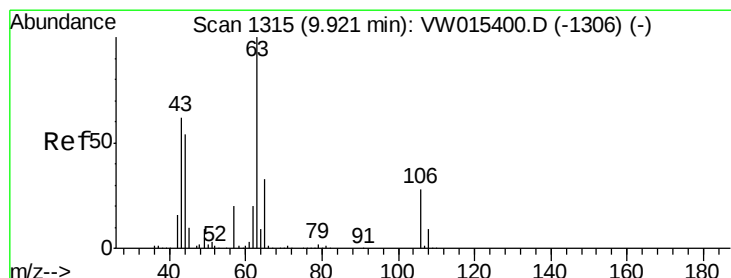
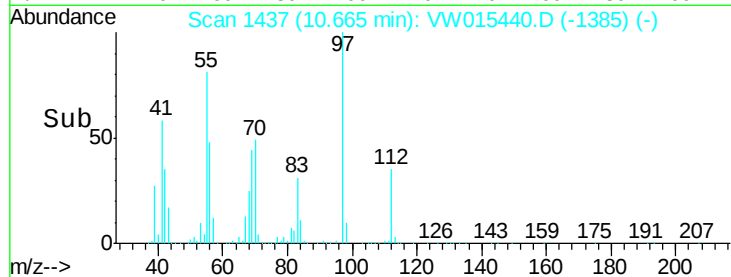
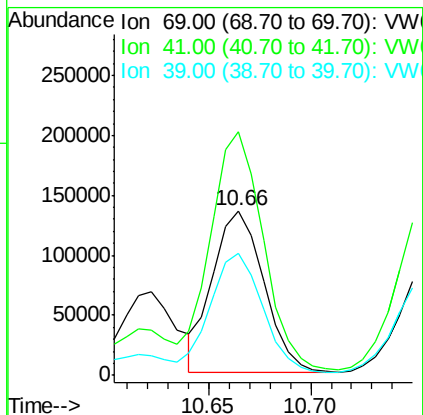
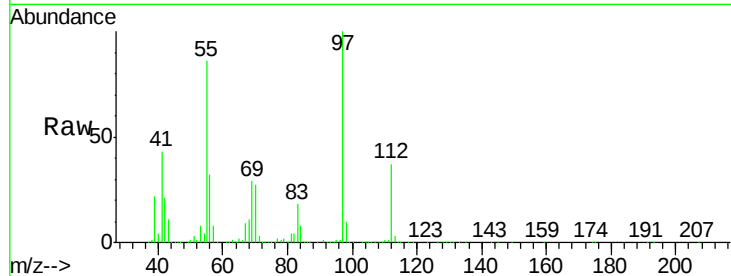
Tot Ion: 69 Resp: 233448

Ion Ratio Lower Upper

69 100

41 152.8 55.3 82.9#

39 75.0 31.9 47.9#



#58

2-Chloroethyl Vinyl ether

Concen: 8.543 ug/l

RT: 9.90 min Scan# 1311

Delta R.T. -0.02 min

Lab File: VW015440.D

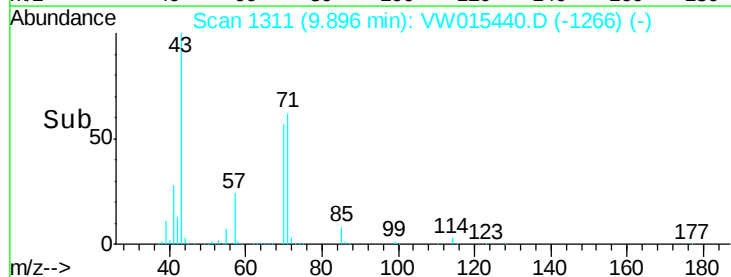
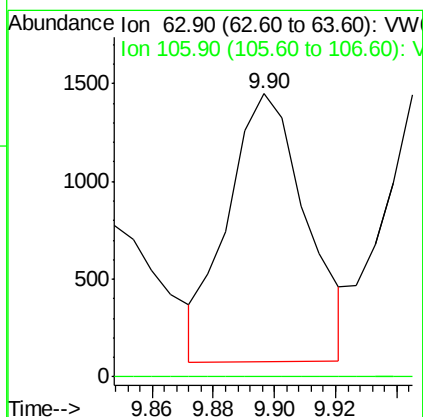
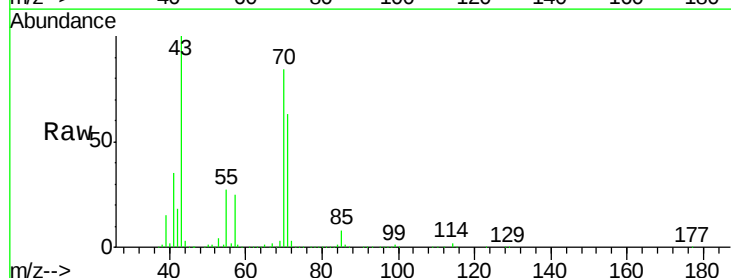
Acq: 15 May 2020 17:58

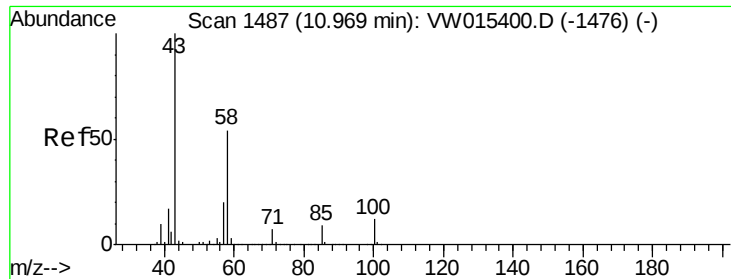
Tgt Ion: 63 Resp: 2423

Ion Ratio Lower Upper

63 100

106 0.0 22.6 33.8#

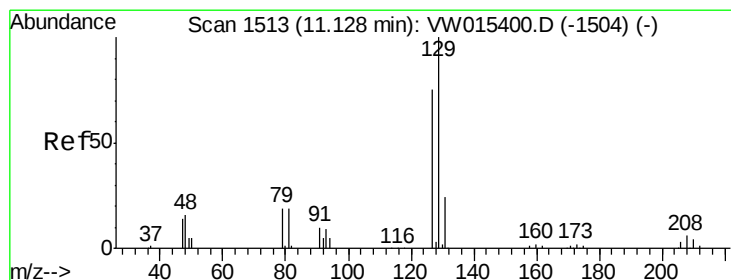
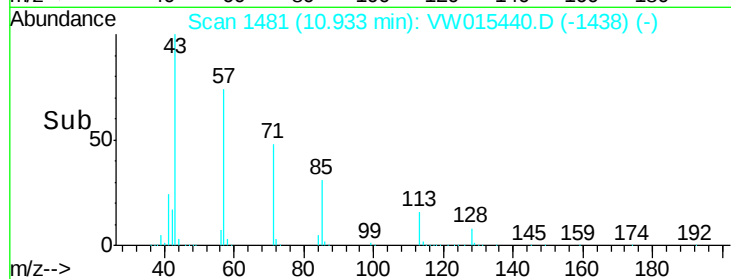
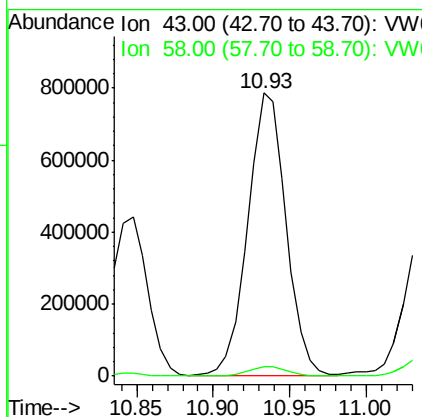
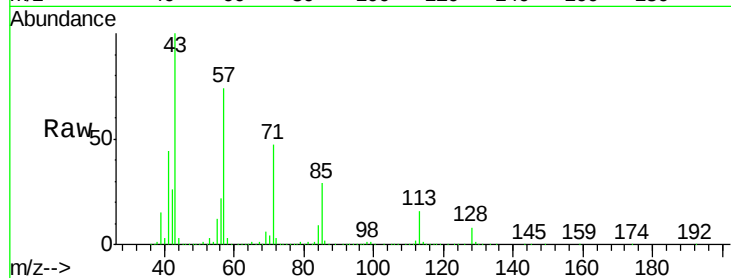




#59
2-Hexanone
Concen: 5857.429 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

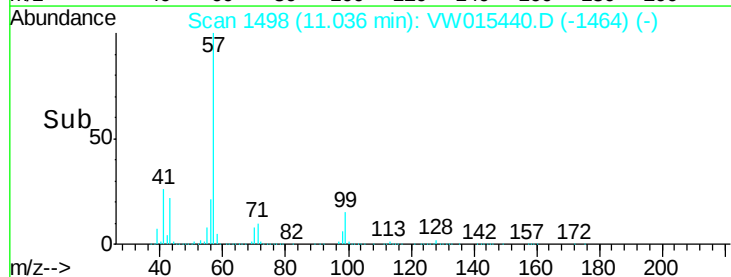
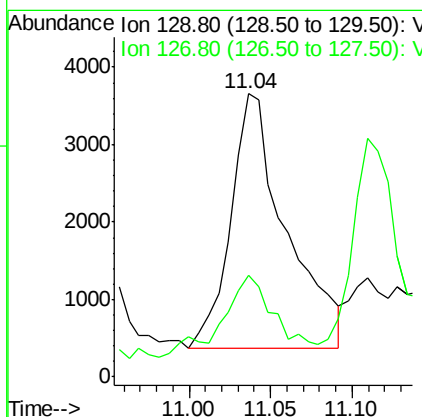
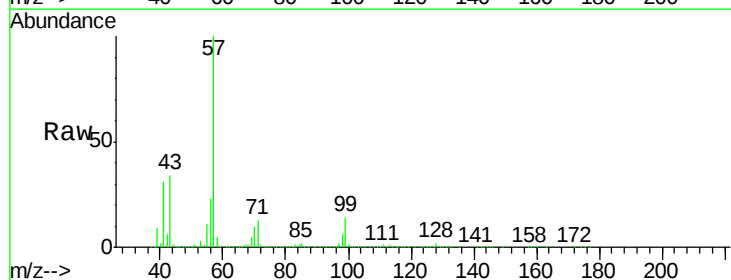
Instrument :
MSVOA_W
ClientSampleId :

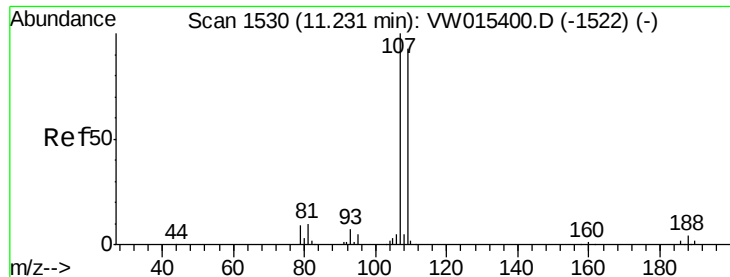
Tot Ion: 43 Resp: 1357254
Ion Ratio Lower Upper
43 100
58 3.6 26.7 80.0#



#60
Dibromochloromethane
Concen: 15.139 ug/l
RT: 11.04 min Scan# 1498
Delta R.T. -0.09 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

Tgt Ion: 129 Resp: 7726
Ion Ratio Lower Upper
129 100
127 51.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 1.434 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

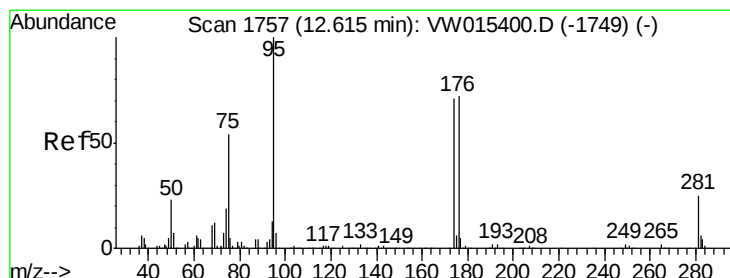
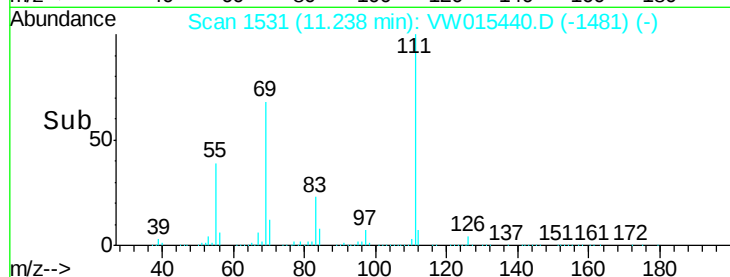
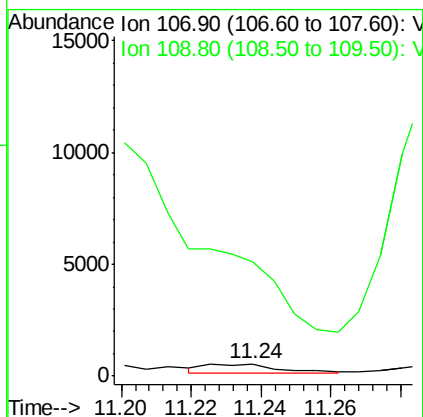
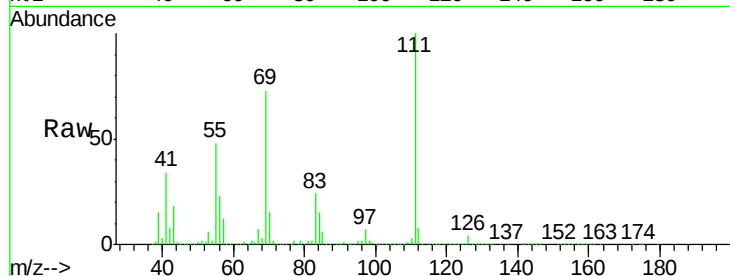
ClientSampleId :

Tot Ion:107 Resp: 576

Ion Ratio Lower Upper

107 100

109 0.0 75.0 112.4#



#62

4-Bromofluorobenzene

Concen: 193.655 ug/l

RT: 12.61 min Scan# 1756

Delta R.T. -0.01 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

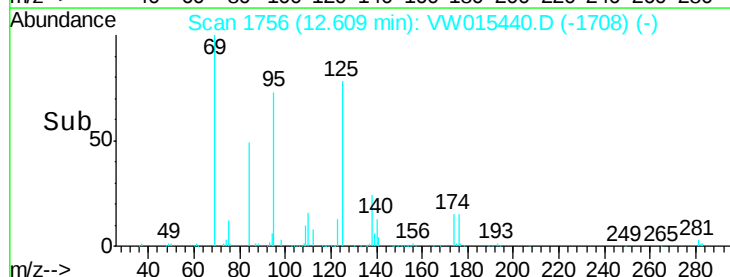
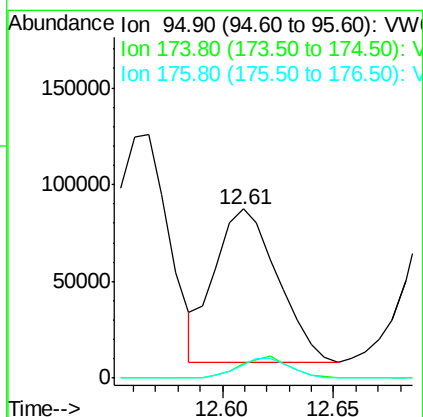
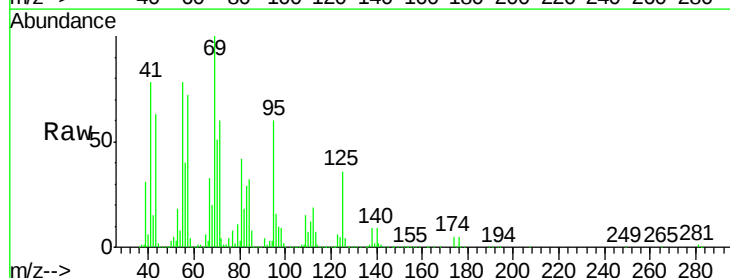
Tgt Ion: 95 Resp: 154805

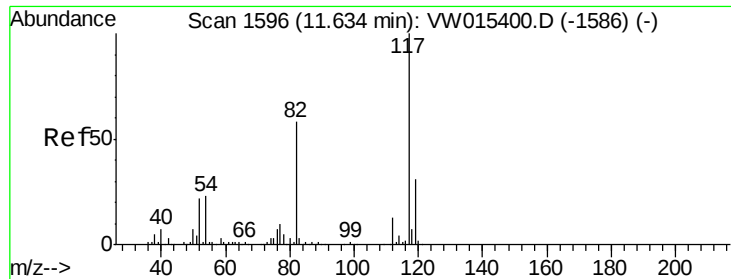
Ion Ratio Lower Upper

95 100

174 11.4 0.0 147.6

176 11.0 0.0 144.4

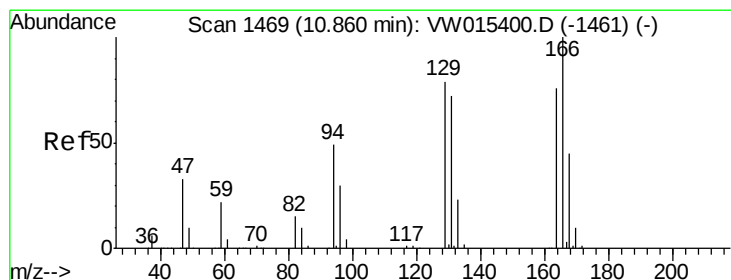
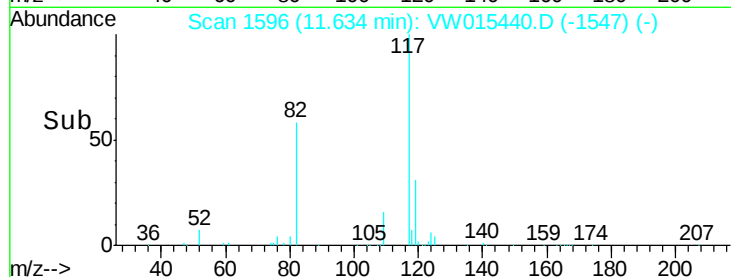
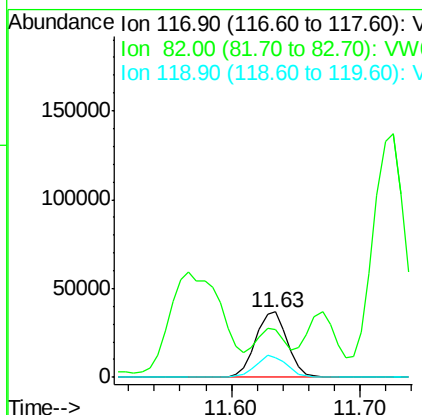
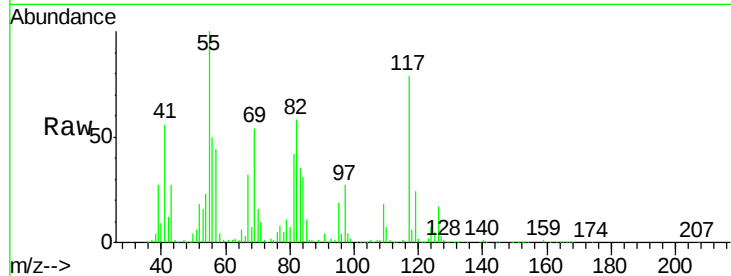




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

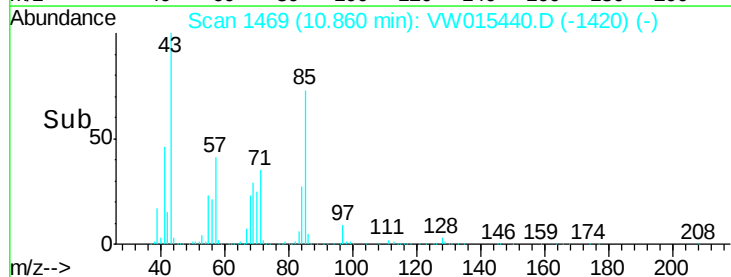
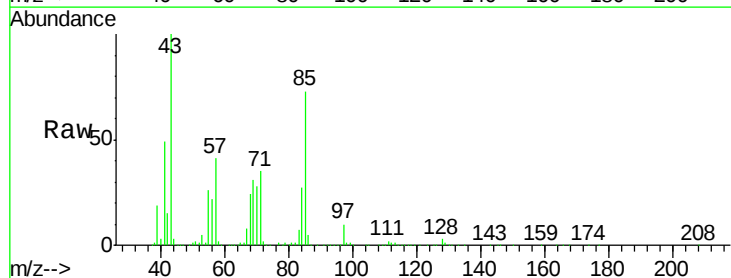
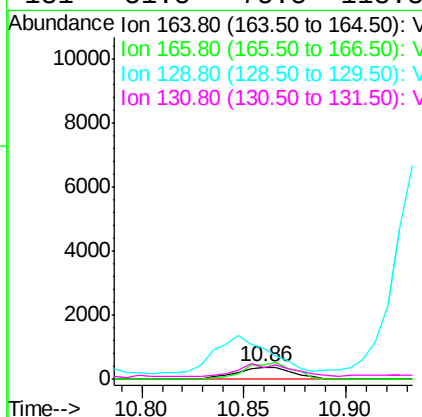
Instrument :
MSVOA_W
ClientSampleId :

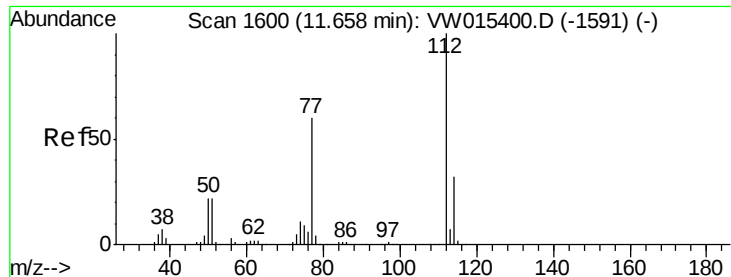
Tot Ion:117 Resp: 61990
Ion Ratio Lower Upper
117 100
82 22.9 46.4 69.6#
119 30.4 24.6 37.0



#64
Tetrachloroethene
Concen: 1.766 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

Tgt Ion:164 Resp: 669
Ion Ratio Lower Upper
164 100
166 113.1 104.9 157.3
129 189.3 82.7 124.1#
131 81.5 75.5 113.3





#65

Chlorobenzene

Concen: 11.246 ug/l

RT: 11.55 min Scan# 1583

Delta R.T. -0.10 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

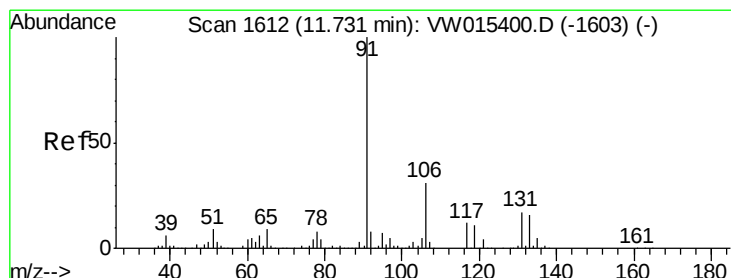
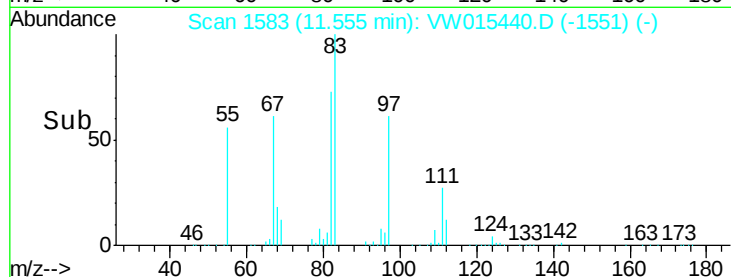
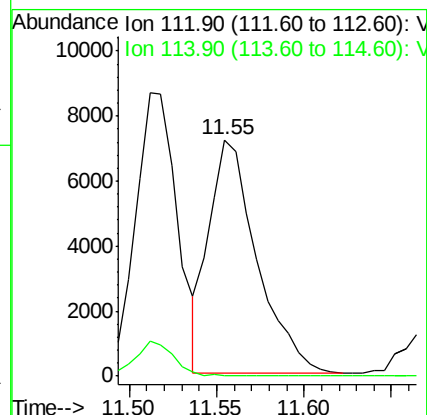
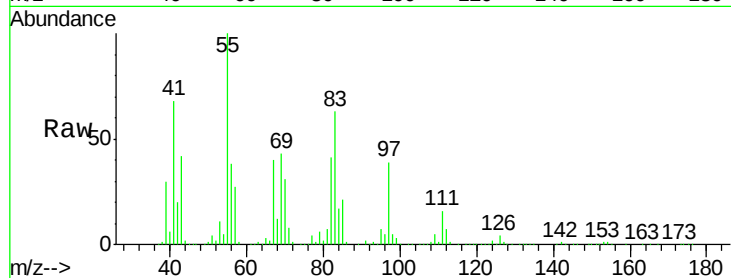
ClientSampleId :

Tot Ion:112 Resp: 13745

Ion Ratio Lower Upper

112 100

114 0.0 25.6 38.4#



#67

Ethyl Benzene

Concen: 6.859 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015440.D

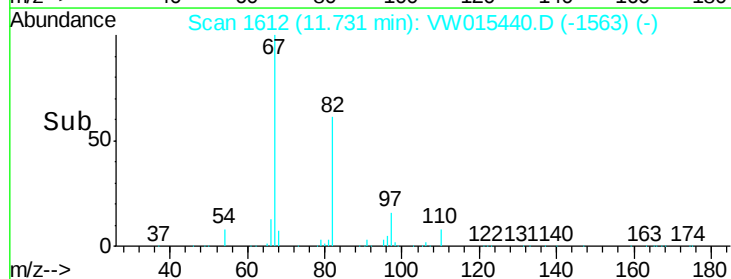
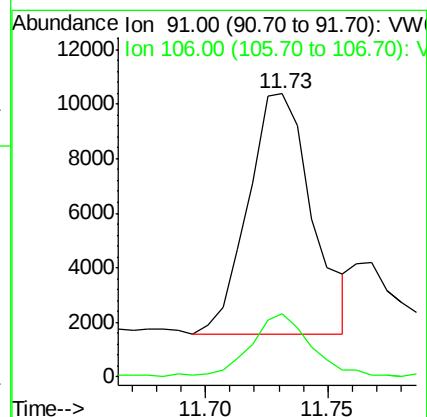
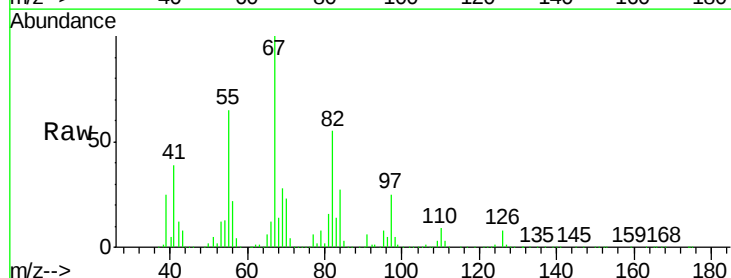
Acq: 15 May 2020 17:58

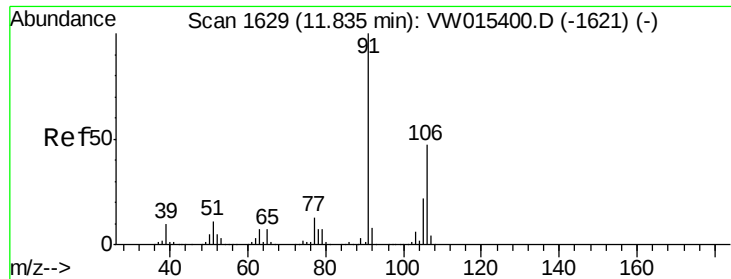
Tgt Ion: 91 Resp: 16045

Ion Ratio Lower Upper

91 100

106 25.8 25.2 37.8

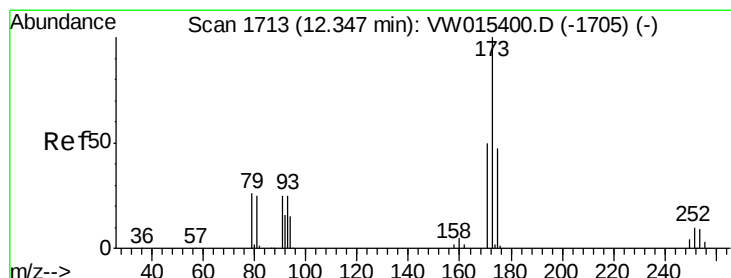
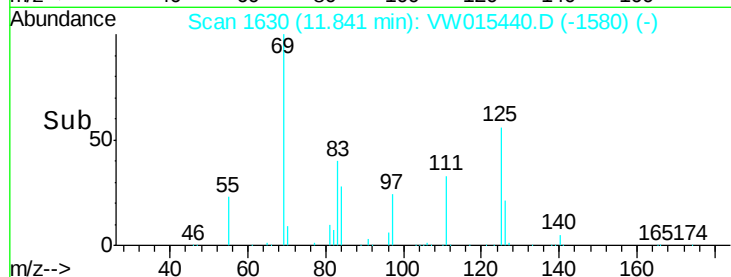
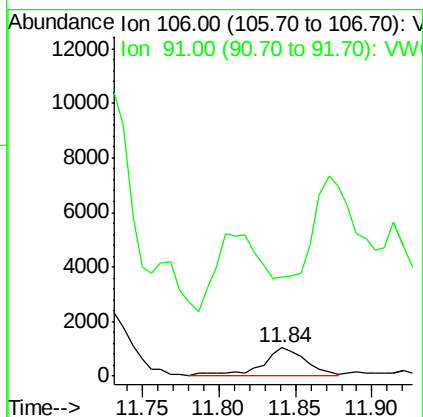
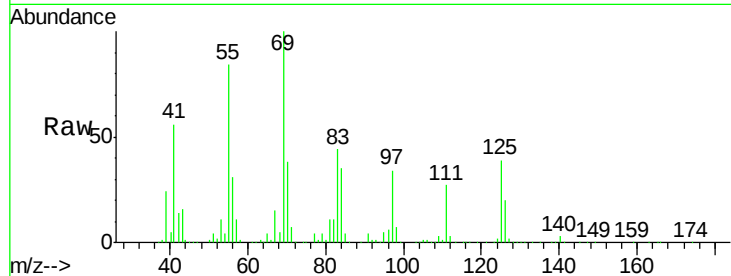




#68
m/p-Xvlenes
Concen: 2.414 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

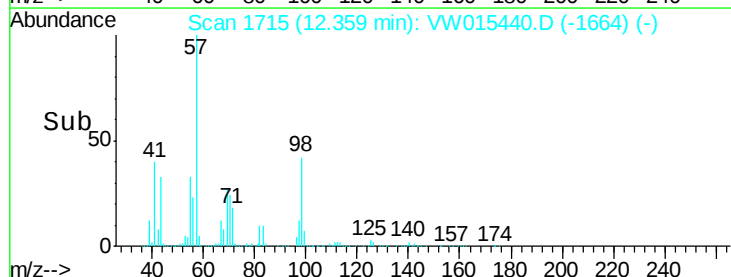
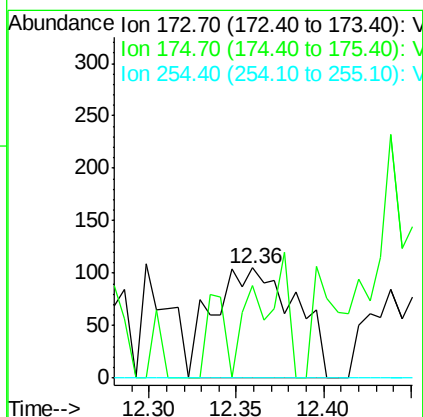
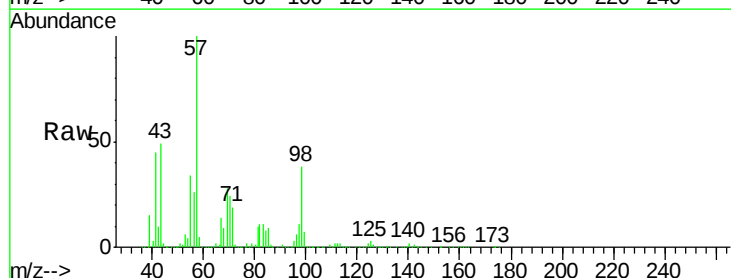
Instrument :
MSVOA_W
ClientSampled :

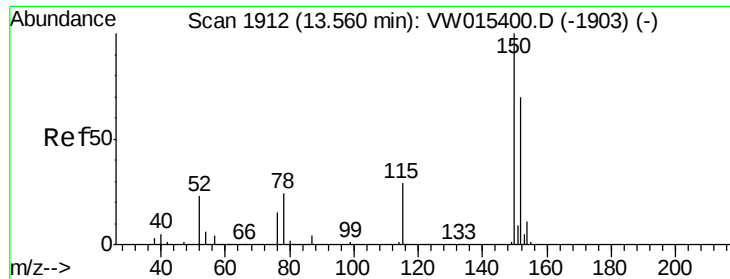
Tot Ion:106 Resp: 2100
Ion Ratio Lower Upper
106 100
91 0.0 165.7 248.5#



#71
Bromoform
Concen: 1.628 ug/l
RT: 12.36 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

Tgt Ion:173 Resp: 344
Ion Ratio Lower Upper
173 100
175 21.8 23.8 71.4#
254 0.0 0.0 0.0



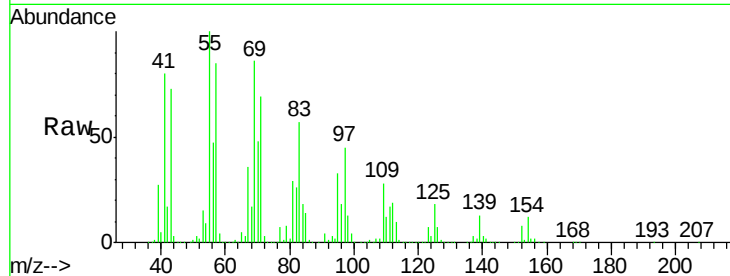


#72

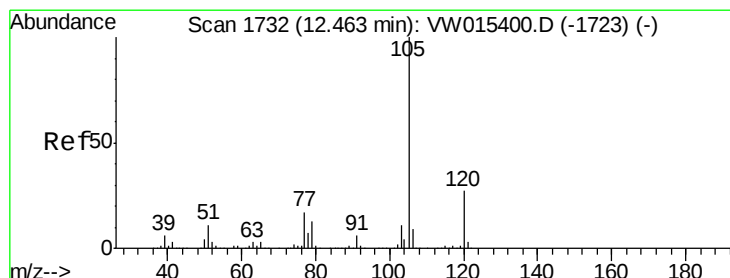
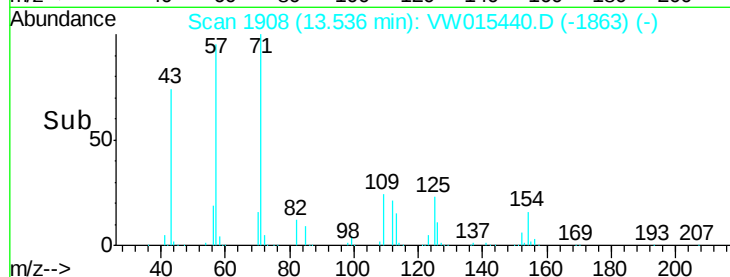
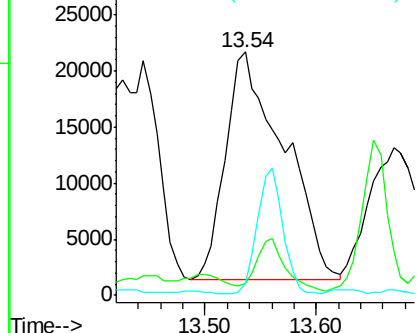
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.54 min Scan# 1908
Delta R.T. -0.02 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:152 Resp: 73214
Ion Ratio Lower Upper
152 100
115 0.0 30.3 90.8#
150 0.0 0.0 344.4



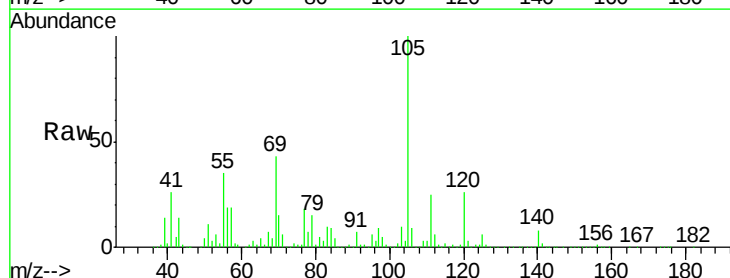
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



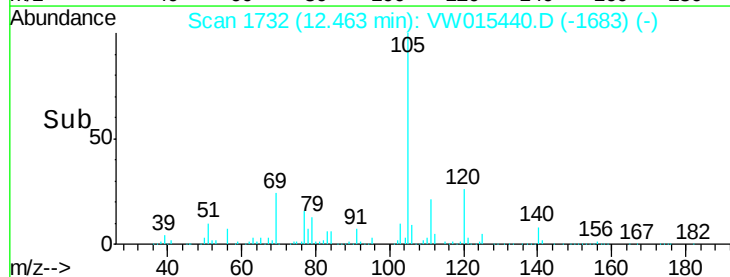
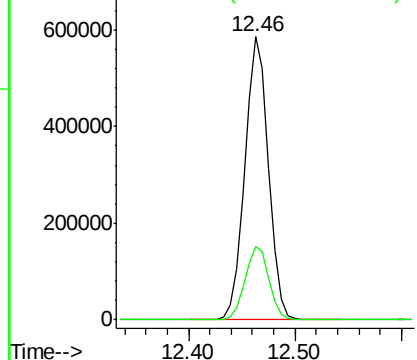
#73

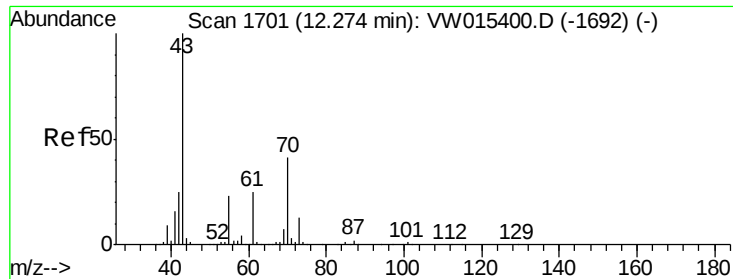
Isopropylbenzene
Concen: 165.739 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

Tgt Ion:105 Resp: 905918
Ion Ratio Lower Upper
105 100
120 26.4 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-amvl acetate

Concen: 986.368 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 1274422

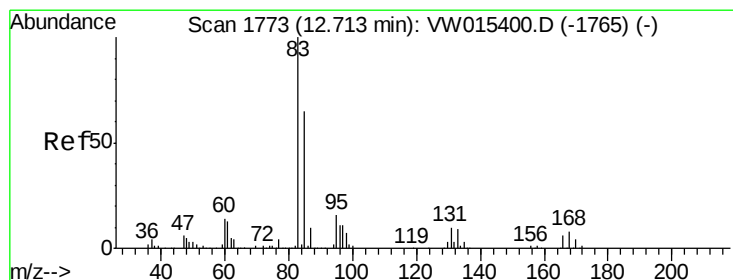
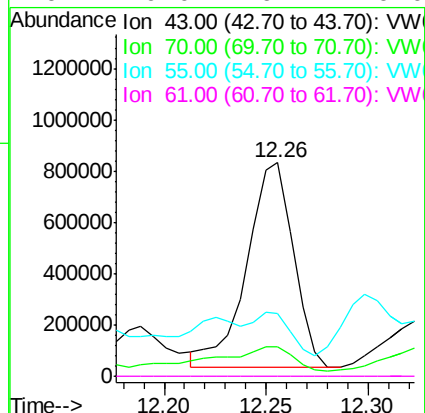
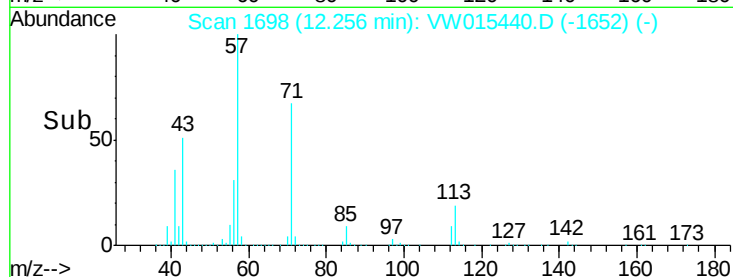
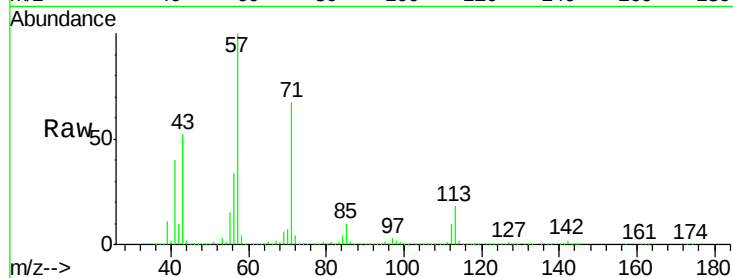
Ion Ratio Lower Upper

43 100

70 20.2 33.4 50.0#

55 16.6 18.9 28.3#

61 0.0 19.4 29.0#



#75

1,1,2,2-Tetrachloroethane

Concen: 98.859 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

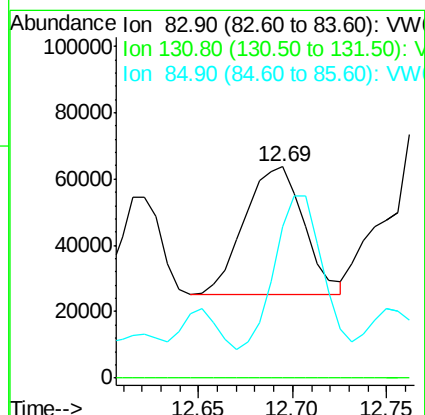
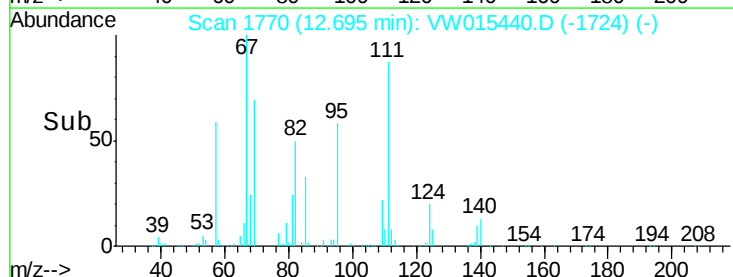
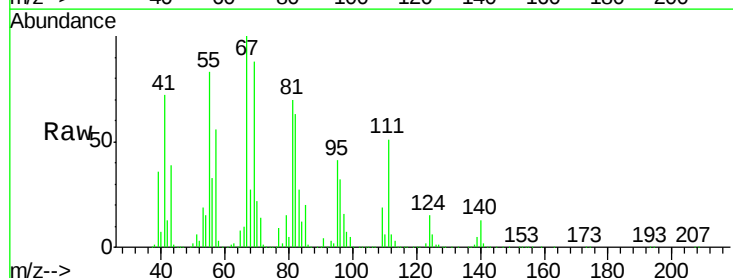
Tgt Ion: 83 Resp: 84531

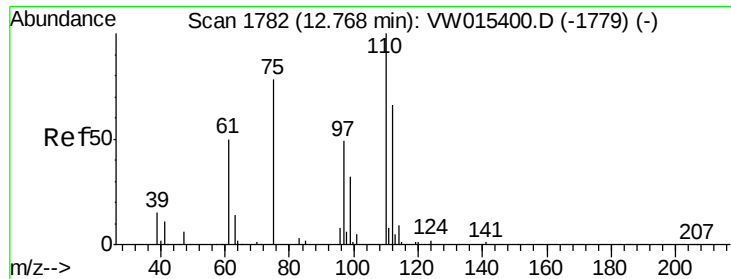
Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

85 93.8 32.2 96.6





#76

1,2,3-Trichloropropane

Concen: 22.089 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.04 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

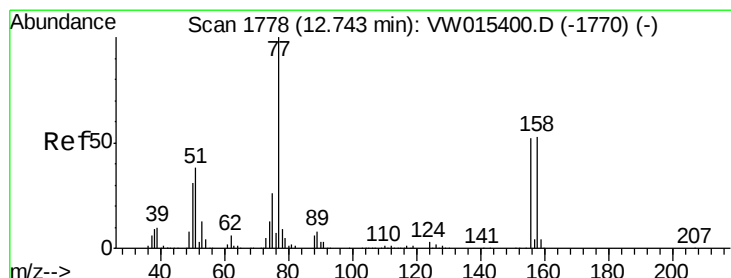
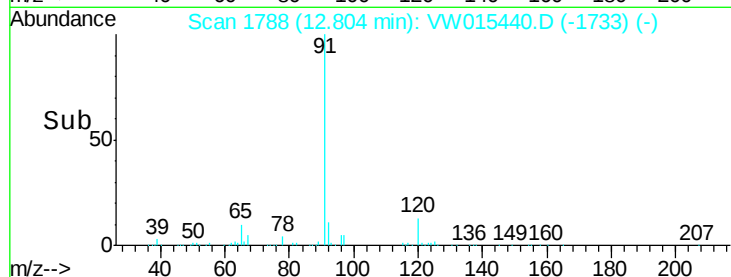
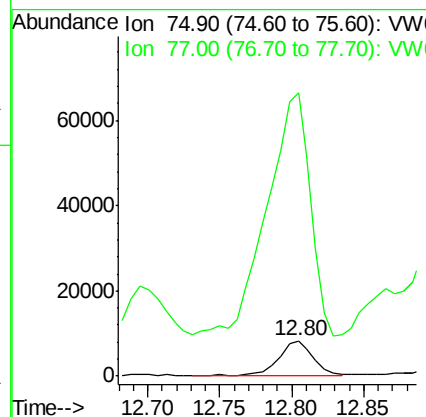
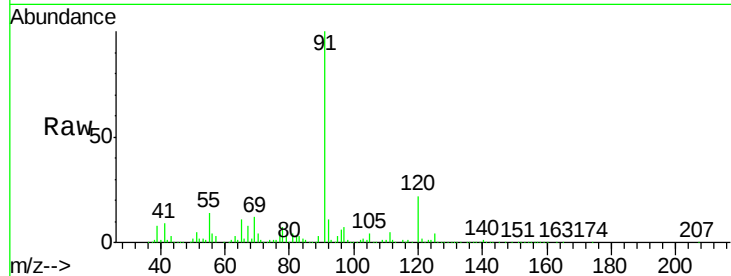
ClientSampled :

Tot Ion: 75 Resp: 13304

Ion Ratio Lower Upper

75 100

77 937.9 0.0 0.0#



#77

Bromobenzene

Concen: 2.070 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.03 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

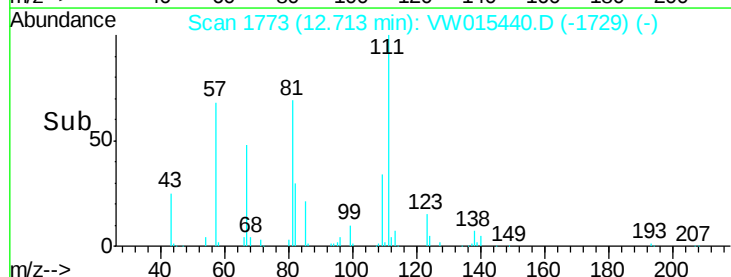
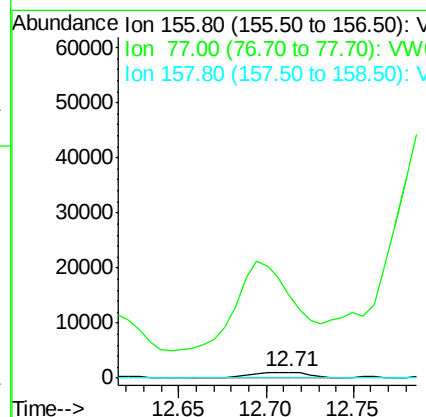
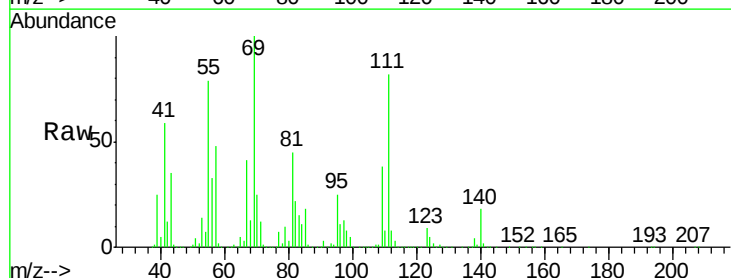
Tgt Ion: 156 Resp: 2398

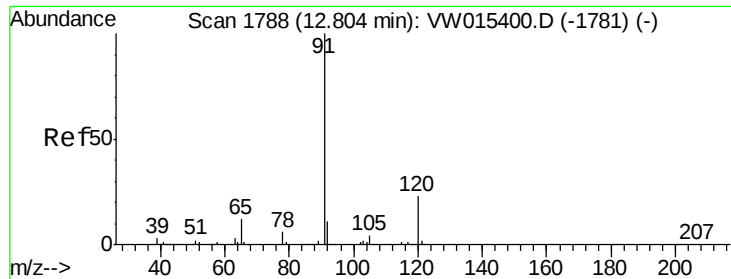
Ion Ratio Lower Upper

156 100

77 1547.7 101.8 305.6#

158 0.0 48.3 144.8#





#78

n-propylbenzene

Concen: 327.004 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

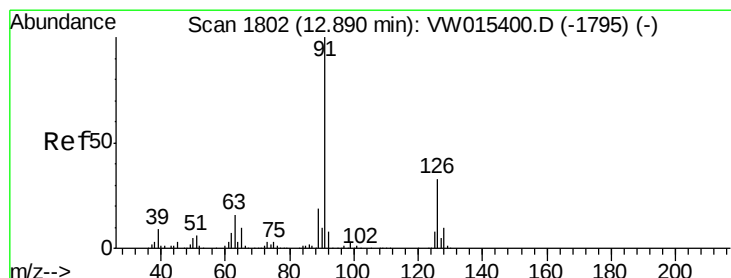
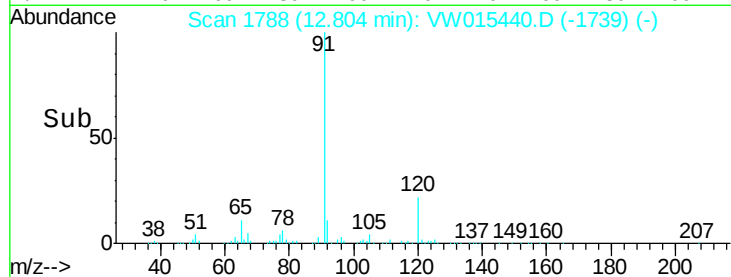
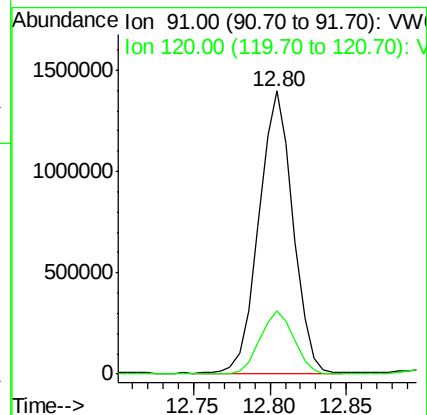
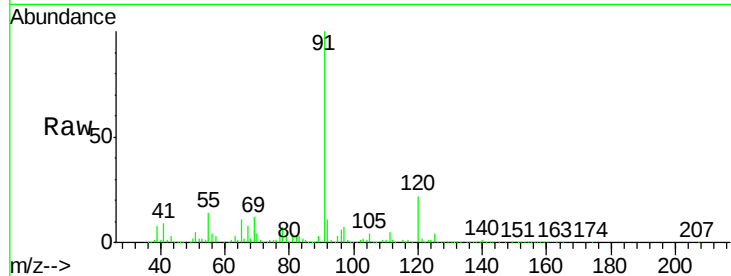
ClientSampleId :

Tot Ion: 91 Resp: 2144439

Ion Ratio Lower Upper

91 100

120 22.6 11.2 33.6



#79

2-Chlorotoluene

Concen: 580.105 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.09 min

Lab File: VW015440.D

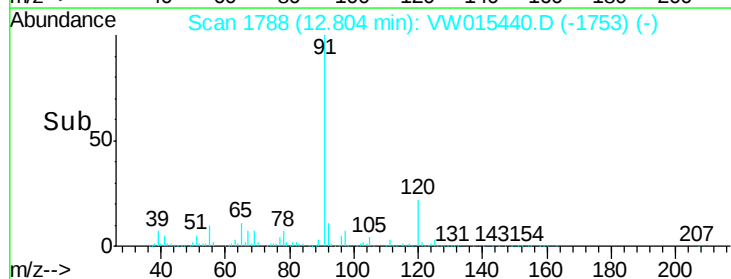
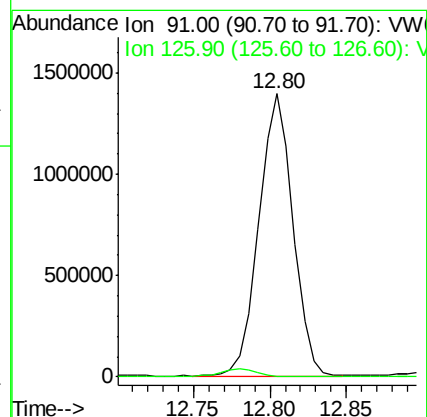
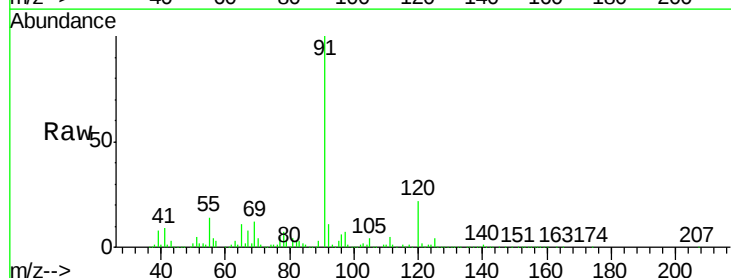
Acq: 15 May 2020 17:58

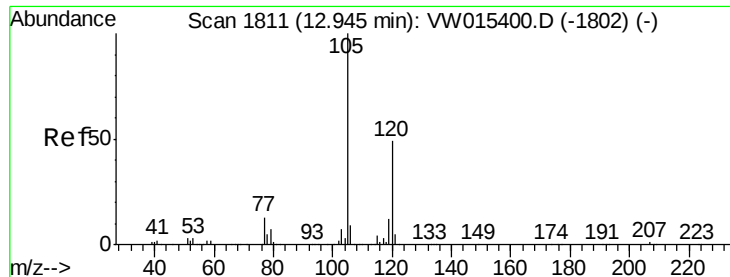
Tgt Ion: 91 Resp: 2144439

Ion Ratio Lower Upper

91 100

126 0.0 16.1 48.2#

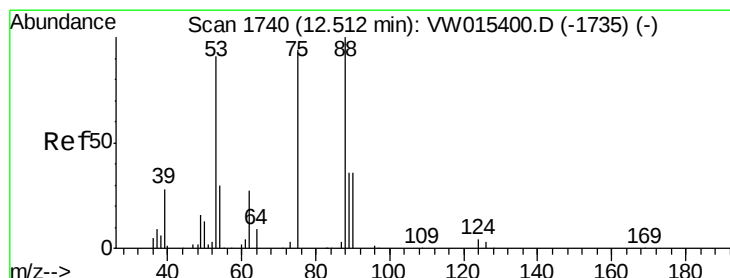
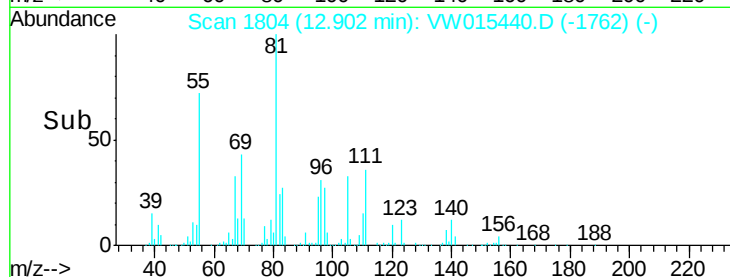
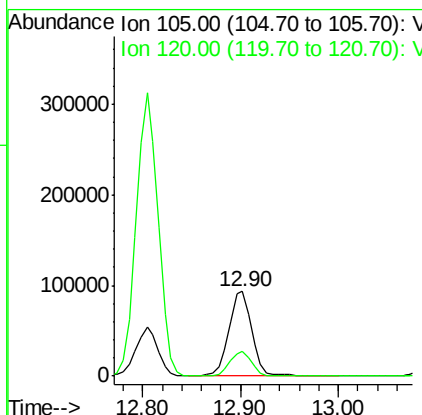
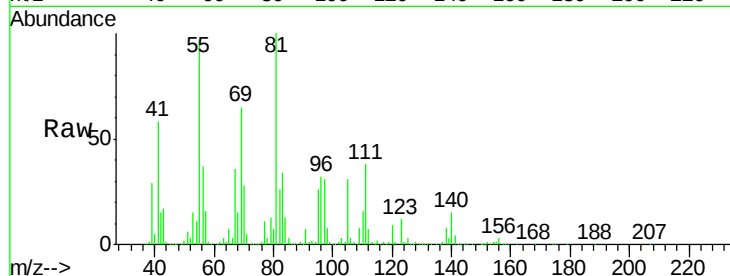




#80
 1,3,5-Trimethylbenzene
 Concen: 32.306 ug/l
 RT: 12.90 min Scan# 1804
 Delta R.T. -0.04 min
 Lab File: VW015440.D
 Acq: 15 May 2020 17:58

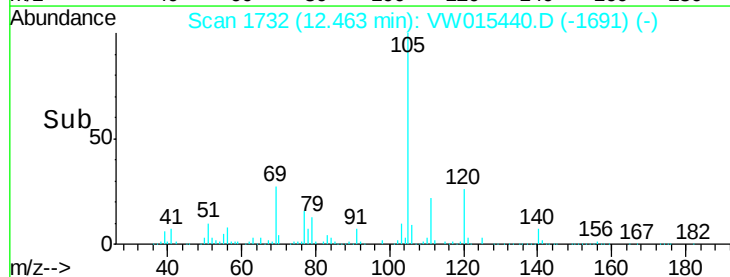
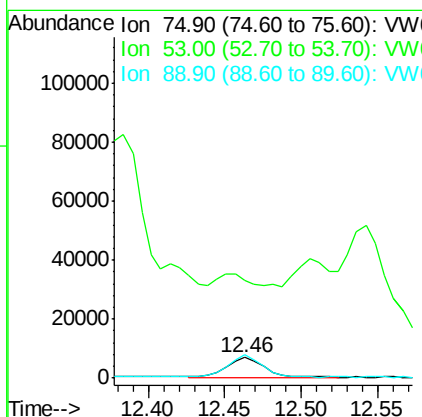
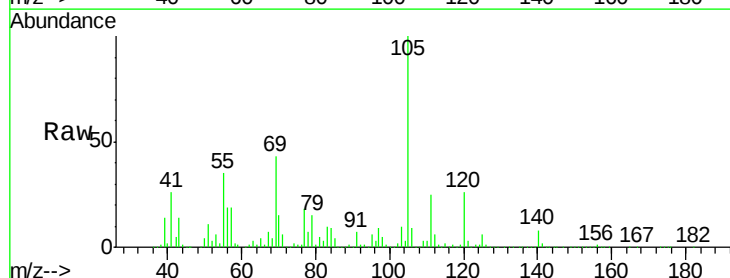
Instrument :
 MSVOA_W
 ClientSampled :

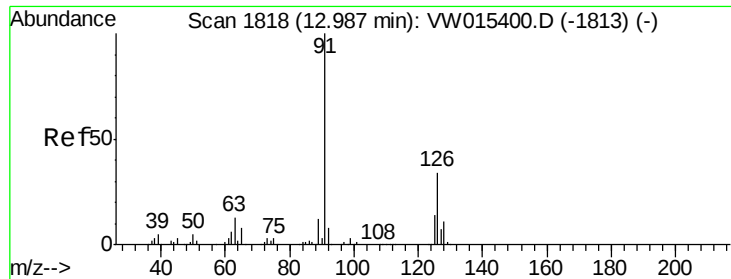
Tot Ion:105 Resp: 148739
 Ion Ratio Lower Upper
 105 100
 120 28.4 24.2 72.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 37.400 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.05 min
 Lab File: VW015440.D
 Acq: 15 May 2020 17:58

Tgt Ion: 75 Resp: 11388
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.5 123.7#
 89 102.1 35.8 53.8#





#82

4-Chlorotoluene

Concen: 547.572 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.18 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

Instrument :

MSVOA_W

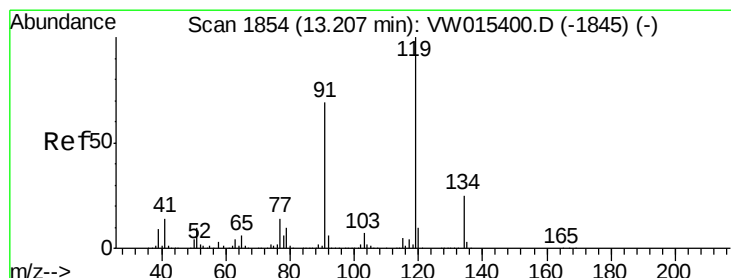
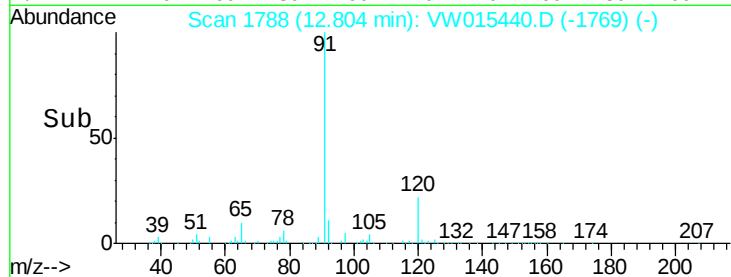
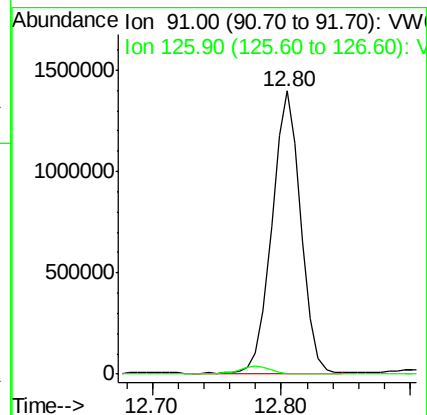
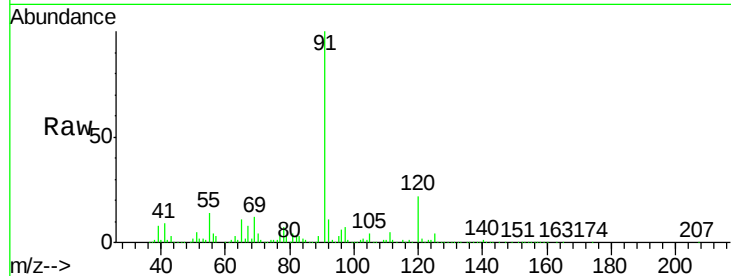
ClientSampleId :

Tot Ion: 91 Resp: 2145165

Ion Ratio Lower Upper

91 100

126 0.0 16.0 47.9#



#83

tert-Butylbenzene

Concen: 14.817 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW015440.D

Acq: 15 May 2020 17:58

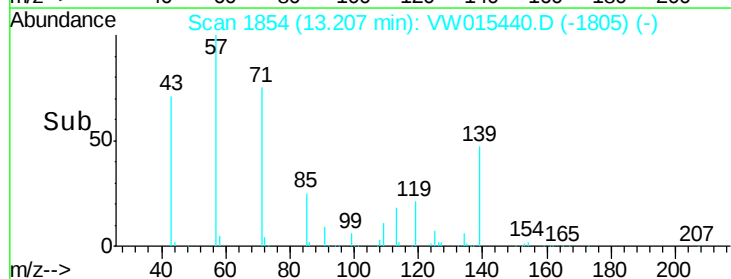
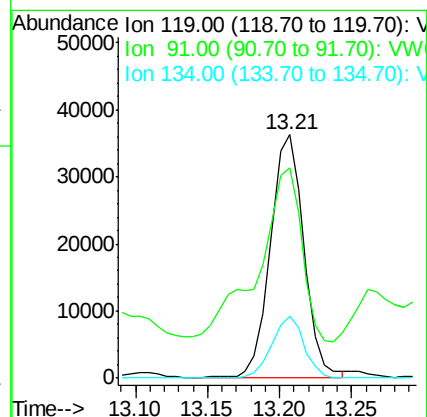
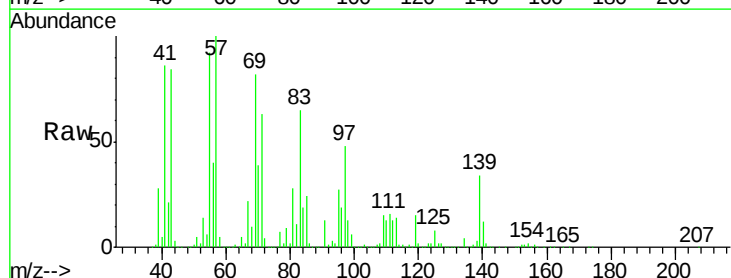
Tgt Ion: 119 Resp: 58208

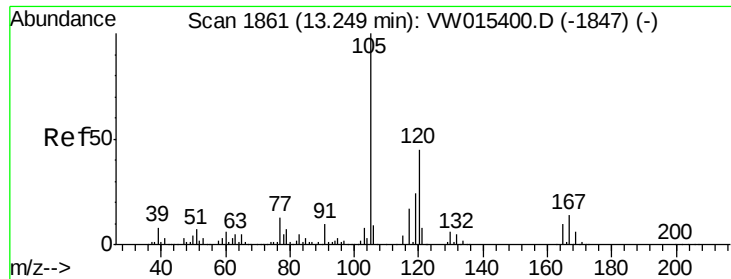
Ion Ratio Lower Upper

119 100

91 93.9 33.8 101.4

134 24.6 12.3 36.9

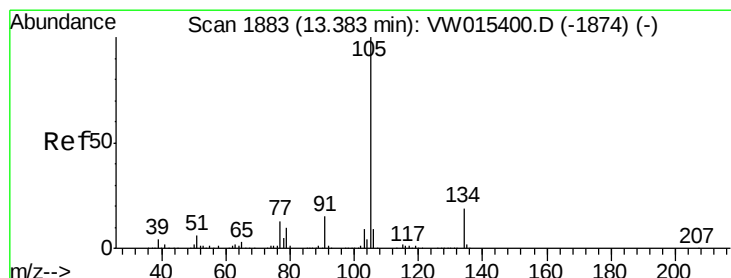
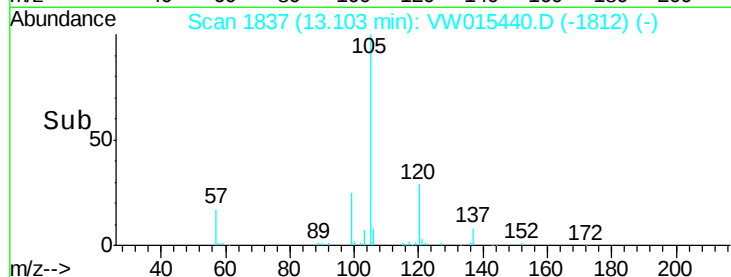
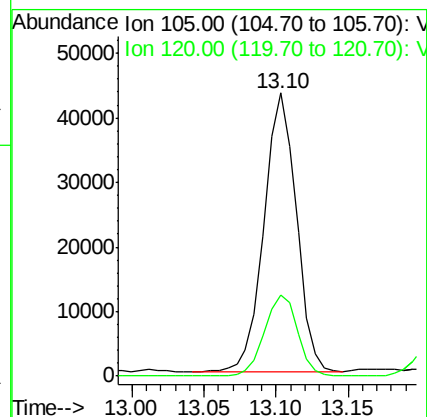
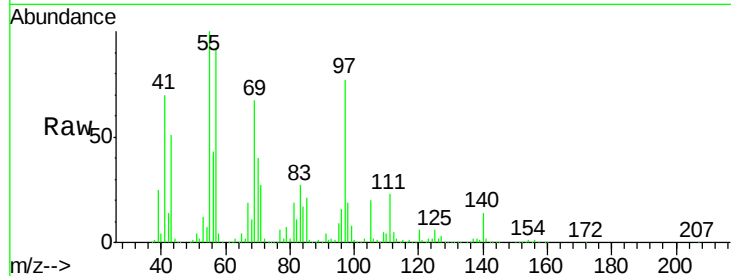




#84
 1,2,4-Trimethylbenzene
 Concen: 14.581 ug/l
 RT: 13.10 min Scan# 1837
 Delta R.T. -0.15 min
 Lab File: VW015440.D
 Acq: 15 May 2020 17:58

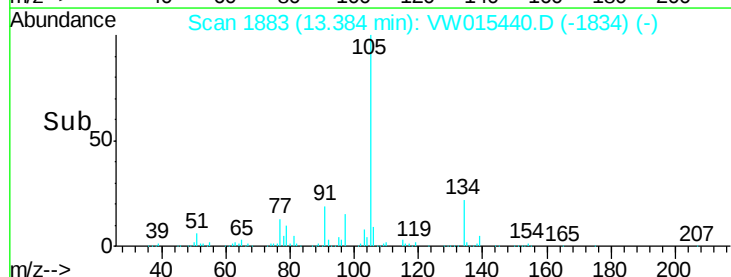
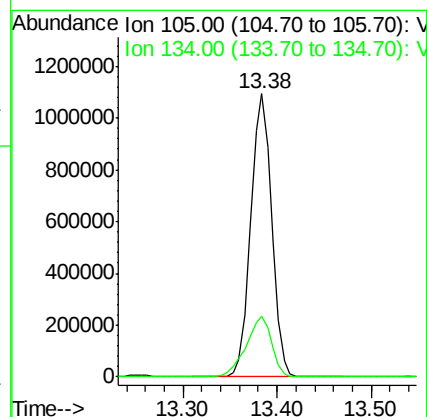
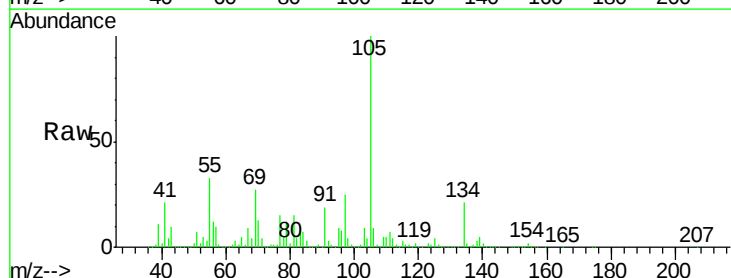
Instrument :
 MSVOA_W
 ClientSampleId :

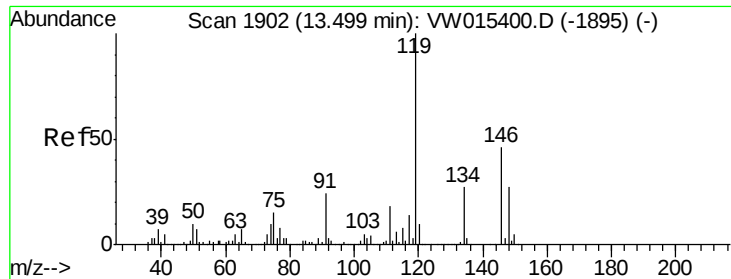
Tot Ion:105 Resp: 67158
 Ion Ratio Lower Upper
 105 100
 120 29.8 22.0 66.0



#85
 sec-Butylbenzene
 Concen: 307.387 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015440.D
 Acq: 15 May 2020 17:58

Tgt Ion:105 Resp: 1701459
 Ion Ratio Lower Upper
 105 100
 134 25.9 9.8 29.5

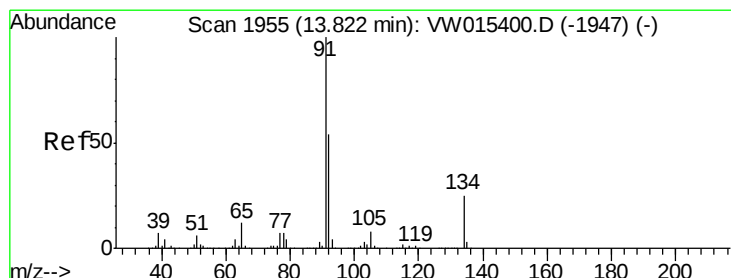
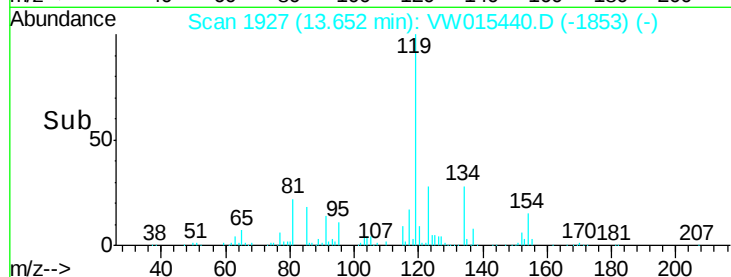
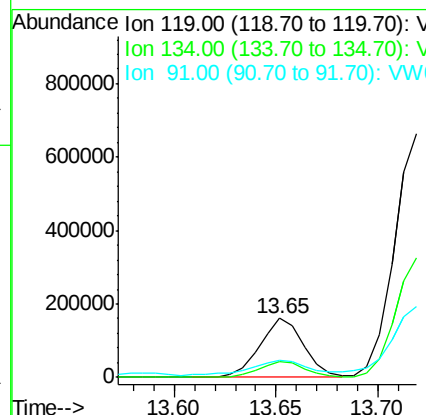
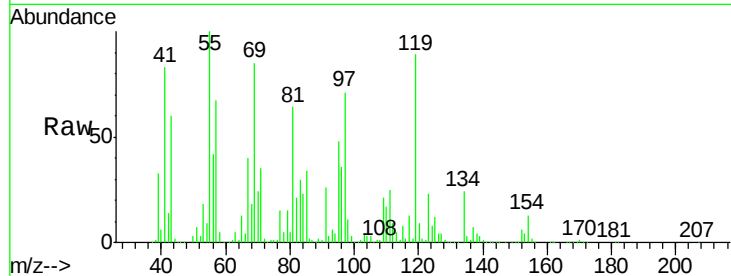




#86
 p-Isopropyltoluene
 Concen: 47.209 ug/l
 RT: 13.65 min Scan# 1927
 Delta R.T. 0.15 min
 Lab File: VW015440.D
 Acq: 15 May 2020 17:58

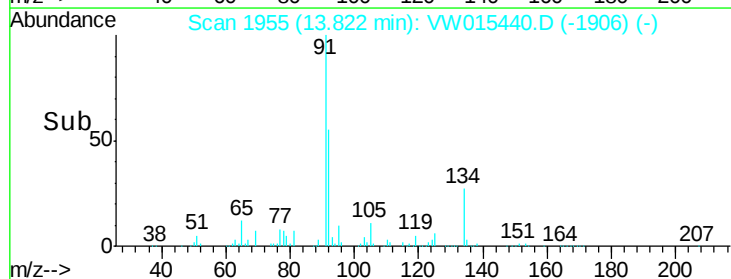
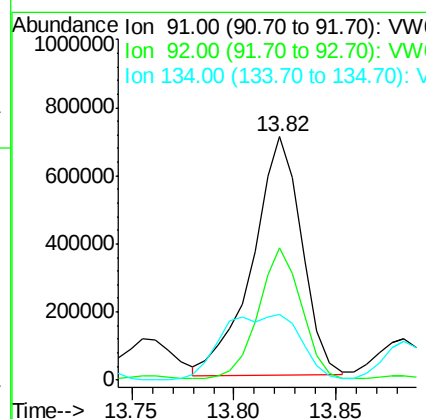
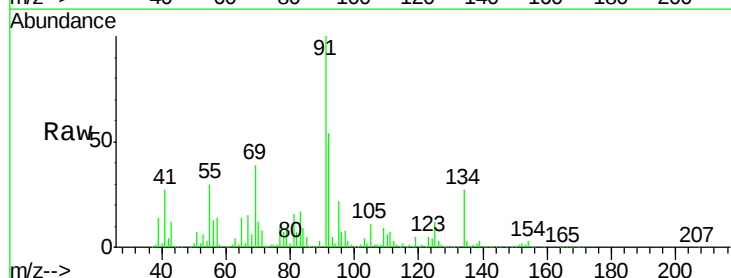
Instrument :
 MSVOA_W
 ClientSampled :

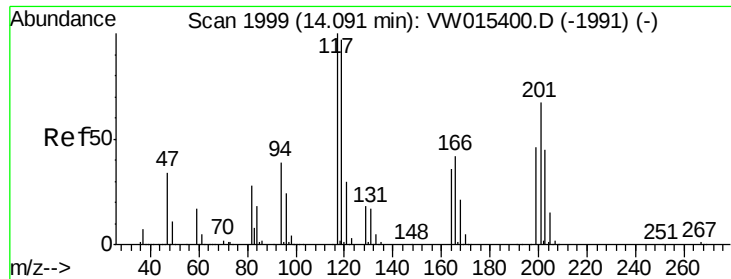
Tot Ion:119 Resp: 238329
 Ion Ratio Lower Upper
 119 100
 134 27.8 12.8 38.4
 91 33.0 12.1 36.3



#89
 n-Butylbenzene
 Concen: 237.314 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW015440.D
 Acq: 15 May 2020 17:58

Tgt Ion: 91 Resp: 1172853
 Ion Ratio Lower Upper
 91 100
 92 48.7 27.2 81.6
 134 44.2 12.6 37.6#

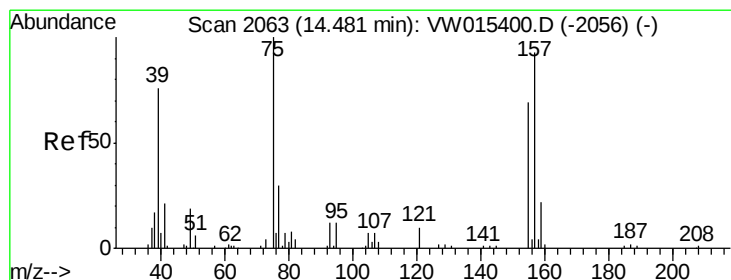
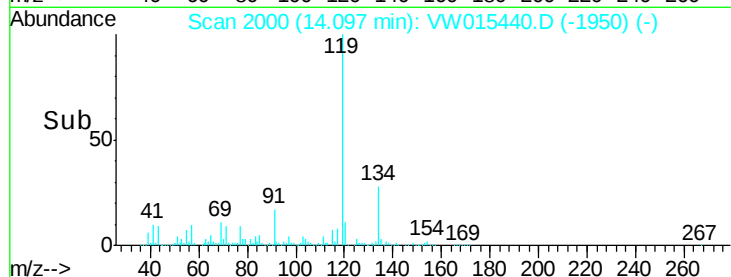
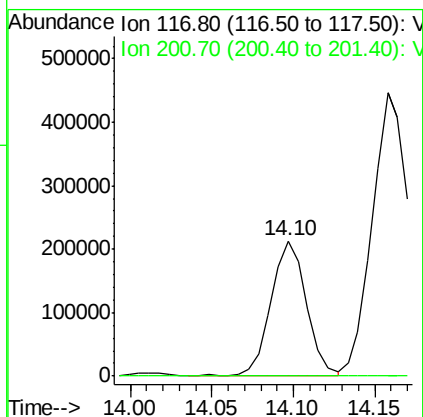
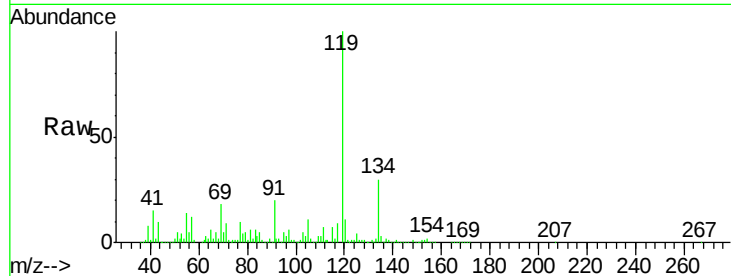




#90
Hexachloroethane
Concen: 338.922 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

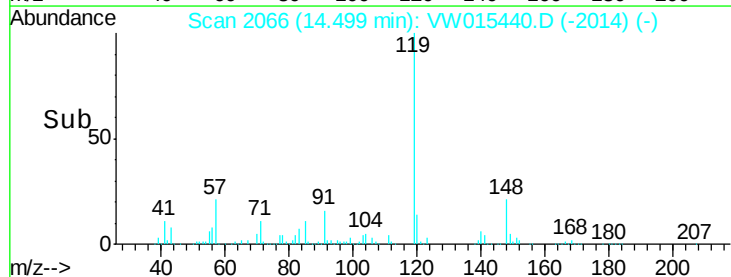
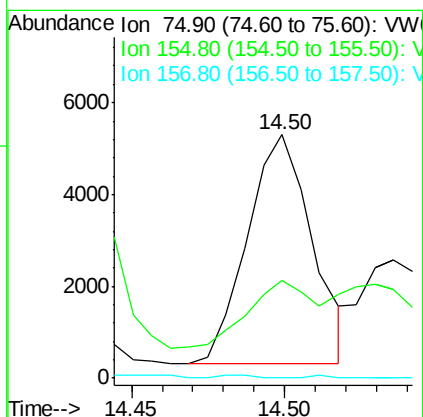
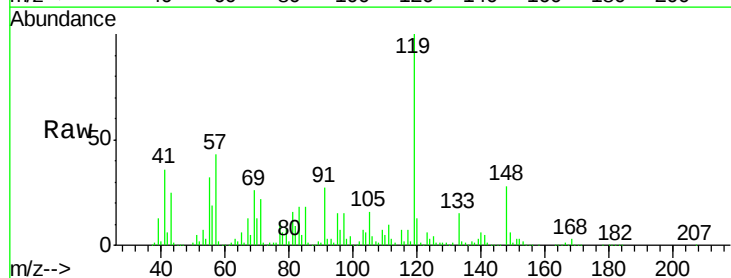
Instrument :
MSVOA_W
ClientSampled :

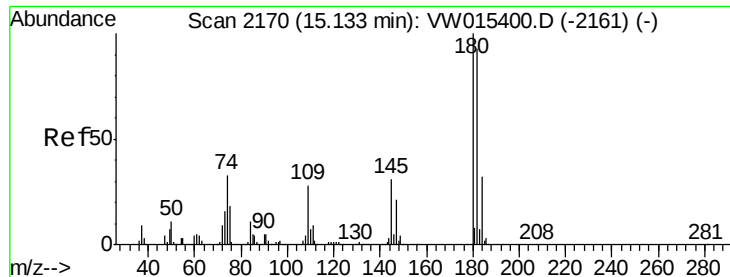
Tot Ion:117 Resp: 315302
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.157 ug/l
RT: 14.50 min Scan# 2066
Delta R.T. 0.02 min
Lab File: VW015440.D
Acq: 15 May 2020 17:58

Tgt Ion: 75 Resp: 7338
Ion Ratio Lower Upper
75 100
155 29.0 38.7 116.1#
157 0.7 48.1 144.4#

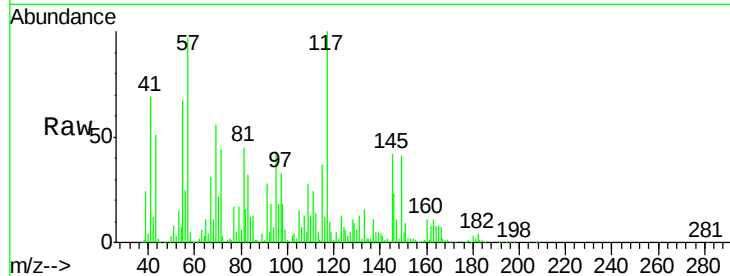




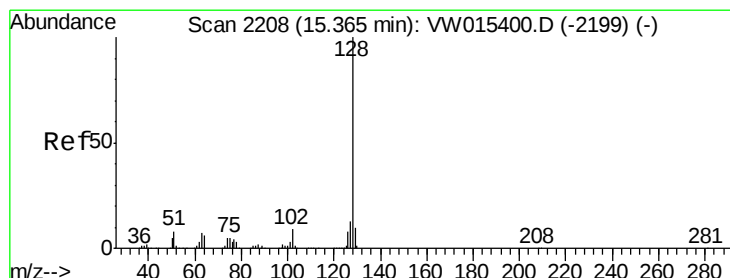
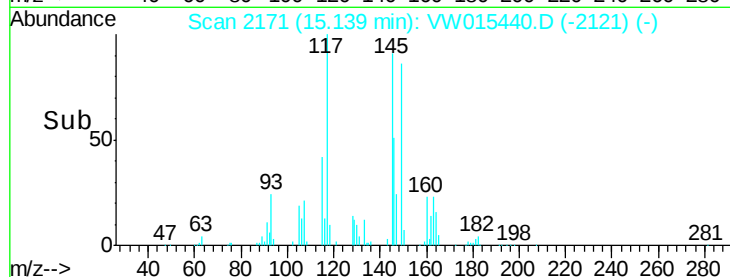
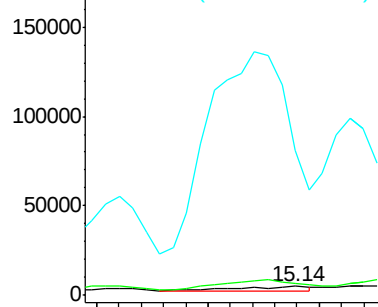
#93
 1,2,4-Trichlorobenzene
 Concen: 4.630 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015440.D
 Acq: 15 May 2020 17:58

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 6217
 Ion Ratio Lower Upper
 180 100
 182 231.3 47.2 141.6#
 145 6089.6 15.6 46.8#

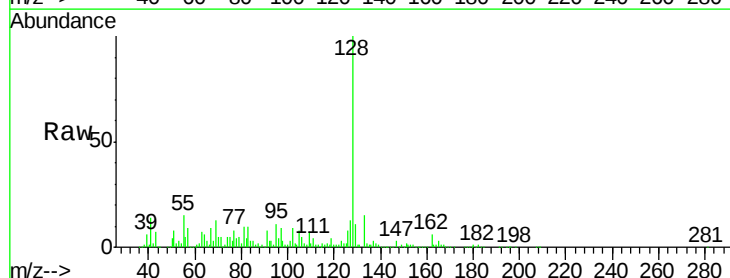


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

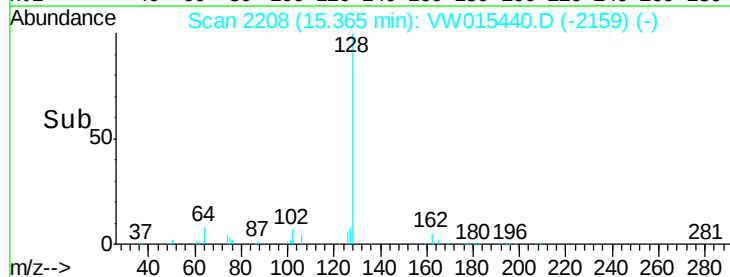
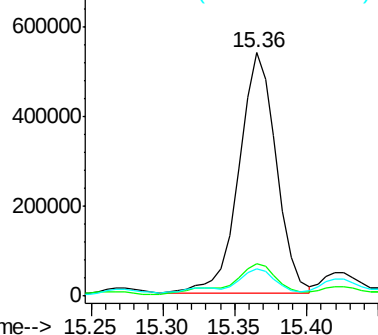


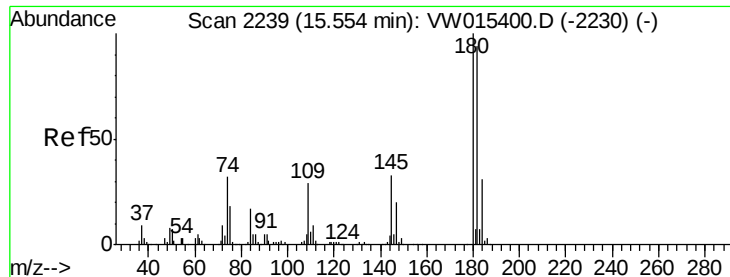
#95
 Naphthalene
 Concen: 399.491 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW015440.D
 Acq: 15 May 2020 17:58

Tgt Ion:128 Resp: 960836
 Ion Ratio Lower Upper
 128 100
 127 14.7 10.5 15.7
 129 8.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

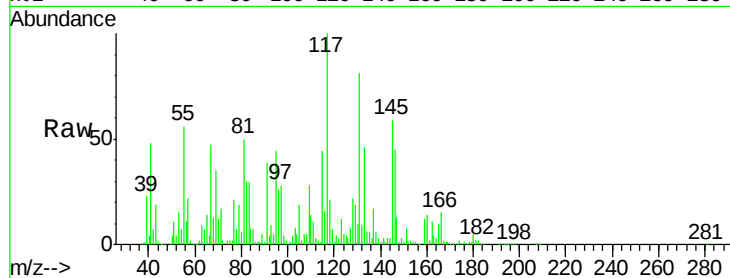




#96
 1,2,3-Trichlorobenzene
 Concen: 12.116 ug/l
 RT: 15.52 min Scan# 2233
 Delta R.T. -0.04 min
 Lab File: VW015440.D
 Acq: 15 May 2020 17:58

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 13978
 Ion Ratio Lower Upper
 180 100
 182 20.6 47.6 142.8#
 145 1548.9 16.3 48.8#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

