

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017911.D
 Acq On : 15 Jan 2021 20:30
 Operator : SY/VA
 Sample : M1099-21
 Misc : 5.50G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C17

Quant Time: Jan 18 04:17:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 18 02:07:49 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	302567	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	209552	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	57114	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	107332	22.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.72%
7) Chloroethane-d5	2.89	69	98765	25.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.24%
10) 1,1-Dichloroethene-d2	4.02	63	135835	16.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.60%
20) 2-Butanone-d5	7.09	46	65815	86.74	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	173.48%#
24) Chloroform-d	7.65	84	193917	24.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.12%
26) 1,2-Dichloroethane-d4	8.31	65	124046	30.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.24%
29) Benzene-d6	8.27	84	364830	30.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	123.64%
33) 1,2-Dichloropropane-d6	9.27	67	112832	34.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	138.72%#
37) Toluene-d8	10.32	98	278926	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.40%
38) trans-1,3-Dichloropropene-	10.58	79	35470	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.84%
39) 2-Hexanone-d5	10.93	63	45775	112.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	224.06%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	88517	36.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	146.60%#
61) 1,2-Dichlorobenzene-d4	13.85	152	46080	23.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.68%

Target Compounds

					Ovalue
13) Acetone	4.14	43	73952	112.868	ug/L 91
14) Carbon disulfide	4.38	76	18635	1.674	ug/L # 93
16) Methylene chloride	4.92	84	10424	2.409	ug/L 95
21) 2-Butanone	7.18	43	25548	28.988	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	2098	0.496	ug/L 95
34) Benzene	8.32	78	22466	1.875	ug/L 100
35) Trichloroethene	9.09	95	7016	2.116	ug/L # 88
36) Methylcyclohexane	9.33	83	7502	1.294	ug/L # 68
44) Toluene	10.39	91	17146	1.255	ug/L 94
47) Tetrachloroethene	10.87	164	18855	7.272	ug/L 91
52) Chlorobenzene	11.66	112	535656	62.804	ug/L 96
53) Ethylbenzene	11.73	91	6485	0.418	ug/L 90
54) m,p-Xylene	11.84	106	9742	1.606	ug/L 89
55) o-xylene	12.17	106	3782	0.663	ug/L 83
57) Isopropylbenzene	12.46	105	111666	7.072	ug/L 98
63) 1,3-Dichlorobenzene	13.50	146	53187	15.088	ug/L 90
64) 1,4-Dichlorobenzene	13.58	146	136518	38.537	ug/L 93

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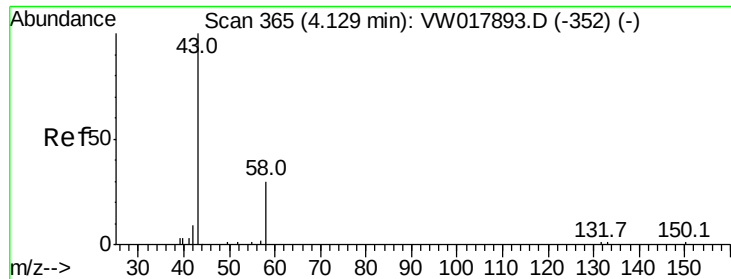
Instrument :
MSVOA_W
ClientSampleId :
F1C17

Quant Time: Jan 18 04:17:40 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
Quant Title : VOC Analysis
QLast Update : Mon Jan 18 02:07:49 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1



#13

Acetone

Concen: 112.868 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017911.D

Acq: 15 Jan 2021 20:30

Instrument :

MSVOA_W

ClientSampled :

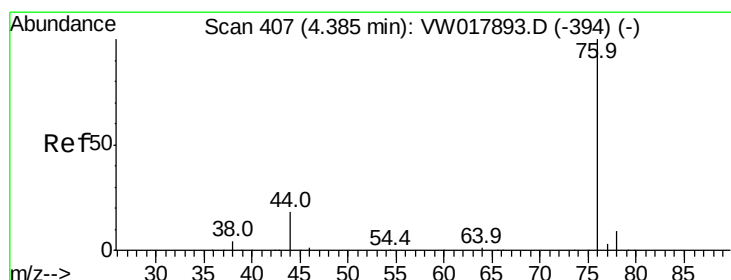
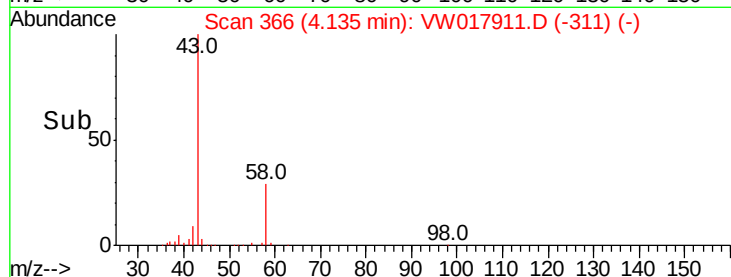
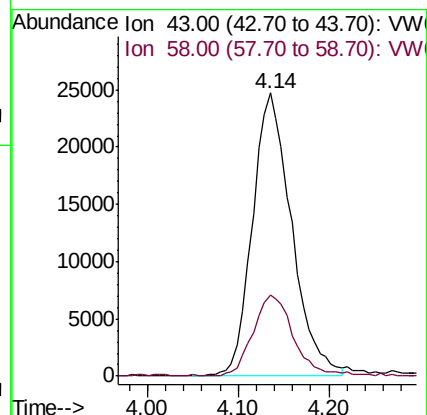
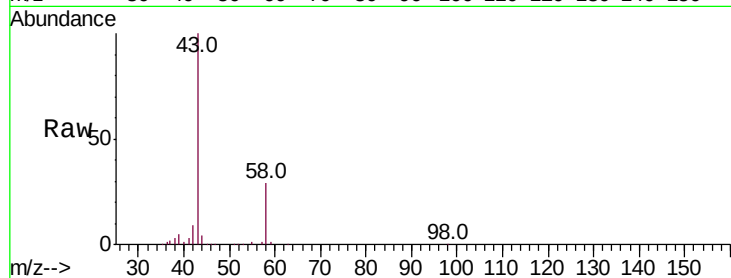
F1C17

Tot Ion: 43 Resp: 73952

Ion Ratio Lower Upper

43 100

58 28.8 0.0 68.4



#14

Carbon disulfide

Concen: 1.674 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW017911.D

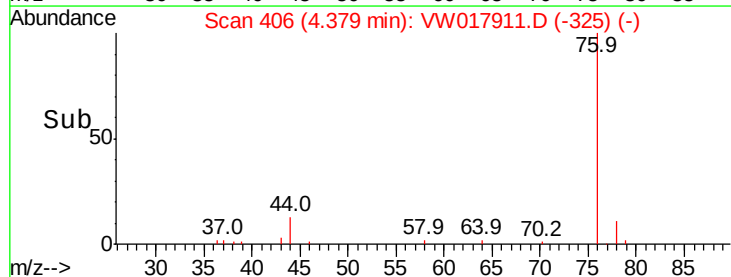
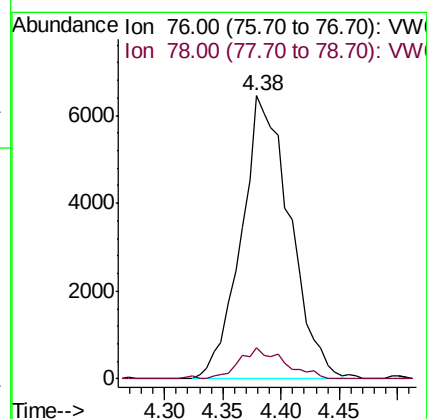
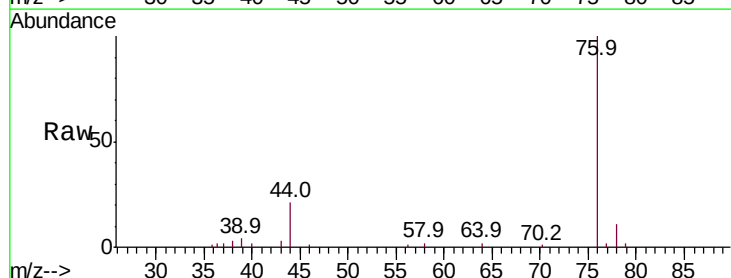
Acq: 15 Jan 2021 20:30

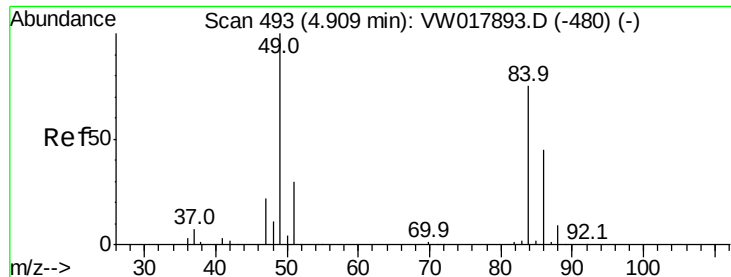
Tgt Ion: 76 Resp: 18635

Ion Ratio Lower Upper

76 100

78 11.2 7.0 10.4#

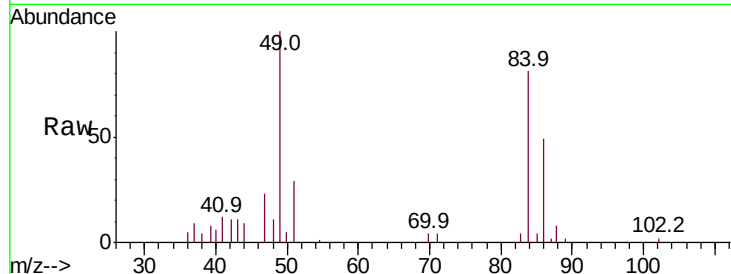




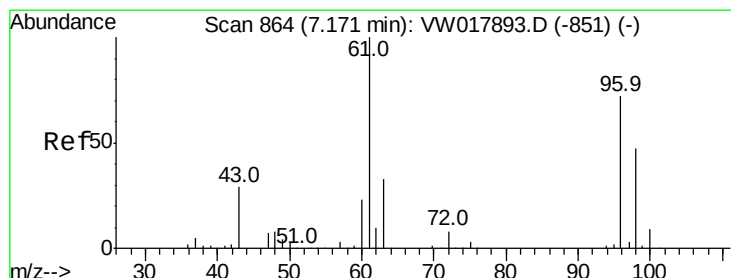
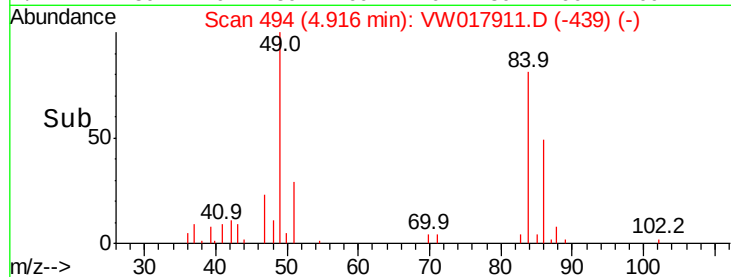
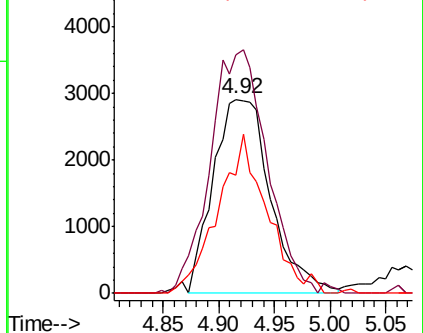
#16
Methylene chloride
Concen: 2.409 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW017911.D
Acq: 15 Jan 2021 20:30

Instrument :
MSVOA_W
ClientSampleId :
F1C17

Tot Ion: 84 Resp: 10424
Ion Ratio Lower Upper
84 100
49 122.9 81.2 150.8
86 60.6 44.5 82.7

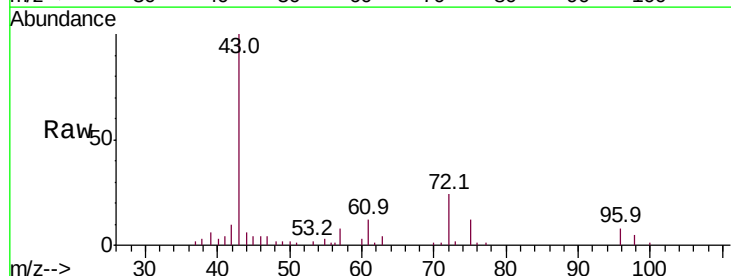


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

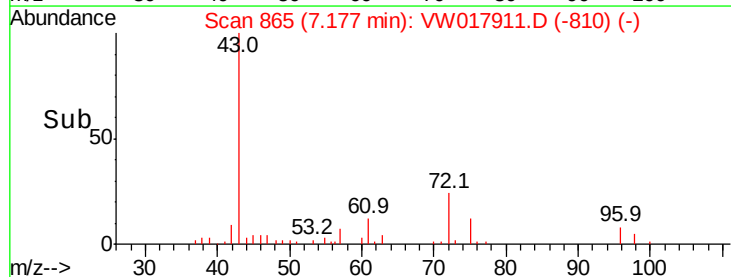
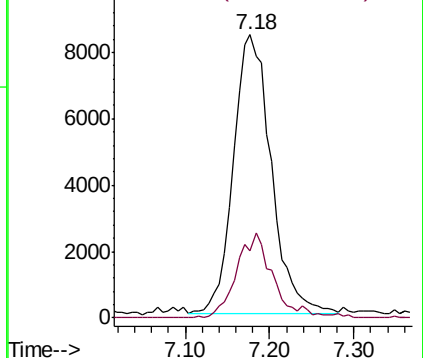


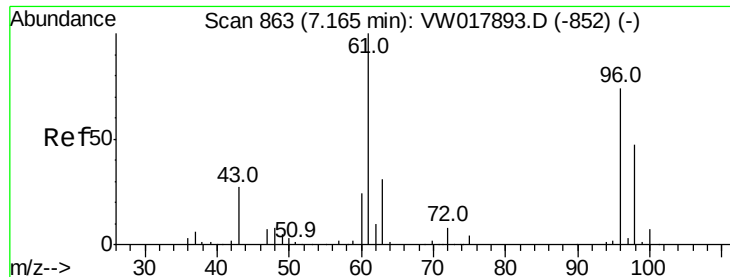
#21
2-Butanone
Concen: 28.988 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW017911.D
Acq: 15 Jan 2021 20:30

Tgt Ion: 43 Resp: 25548
Ion Ratio Lower Upper
43 100
72 27.6 14.4 43.2



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



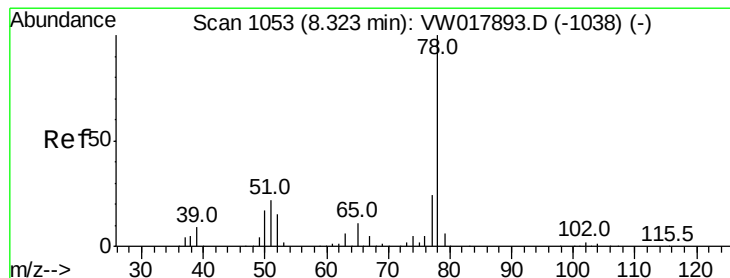
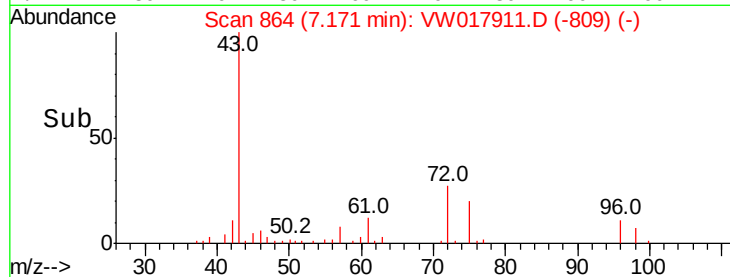
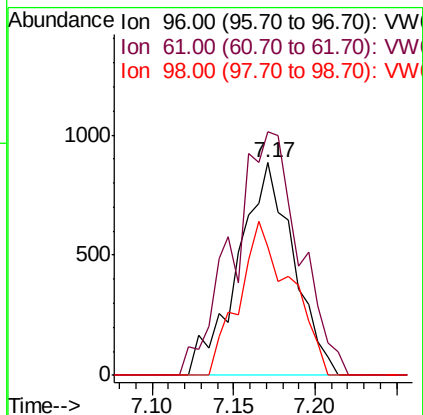
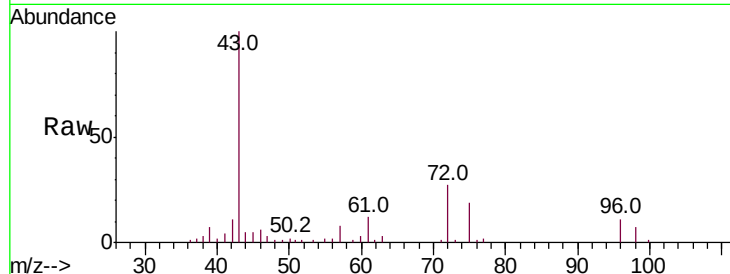


#22

cis-1,2-Dichloroethene
 Concen: 0.496 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW017911.D
 Acq: 15 Jan 2021 20:30

Instrument :
 MSVOA_W
 ClientSampled :
 F1C17

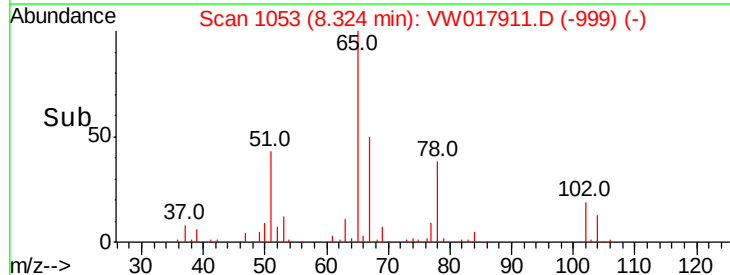
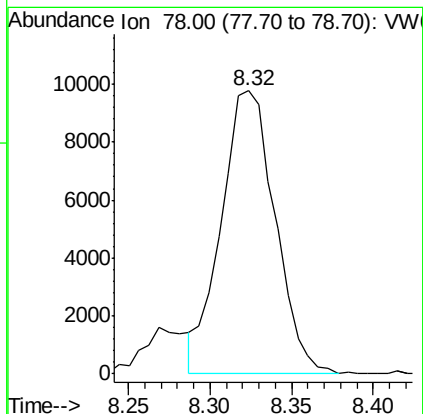
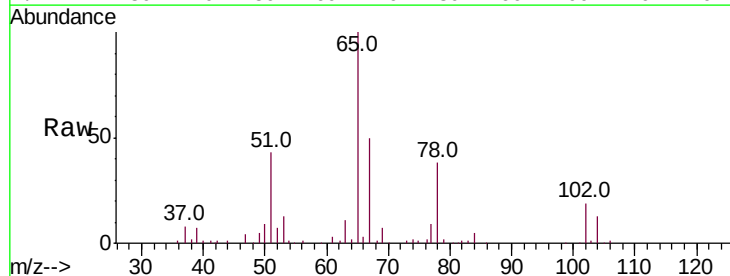
Tot Ion: 96 Resp: 2098
 Ion Ratio Lower Upper
 96 100
 61 114.5 84.6 157.2
 98 60.7 44.7 82.9

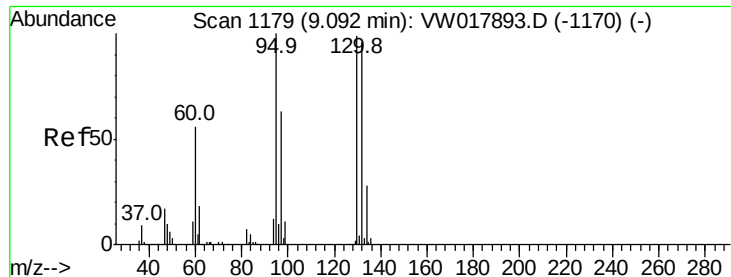


#34

Benzene
 Concen: 1.875 ug/L
 RT: 8.32 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VW017911.D
 Acq: 15 Jan 2021 20:30

Tgt Ion: 78 Resp: 22466





#35

Trichloroethene

Concen: 2.116 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017911.D

Acq: 15 Jan 2021 20:30

Instrument :

MSVOA_W

ClientSampleId :

F1C17

Tot Ion: 95 Resp: 7016

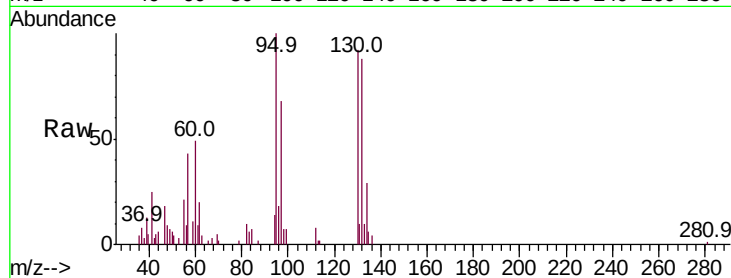
Ion Ratio Lower Upper

95 100

97 86.7 45.0 83.6#

132 94.0 71.0 131.8

130 100.1 75.6 140.4

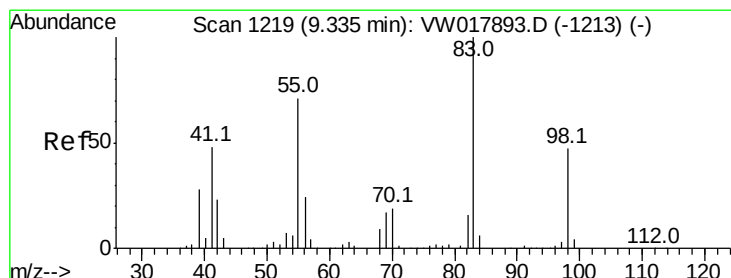
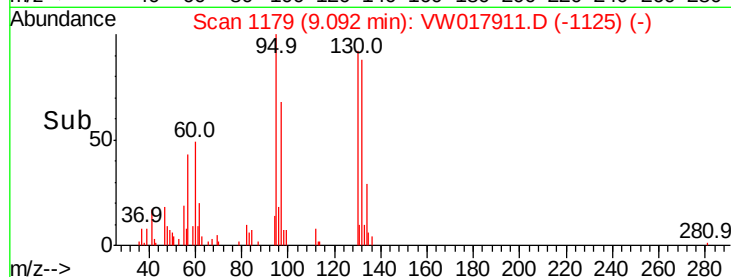
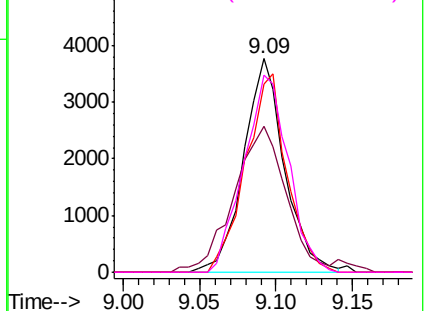


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 1.294 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW017911.D

Acq: 15 Jan 2021 20:30

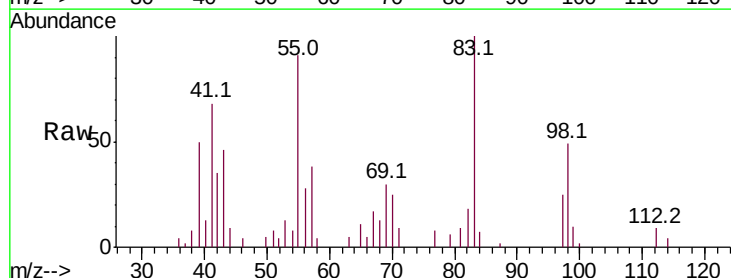
Tgt Ion: 83 Resp: 7502

Ion Ratio Lower Upper

83 100

55 118.9 59.4 89.0#

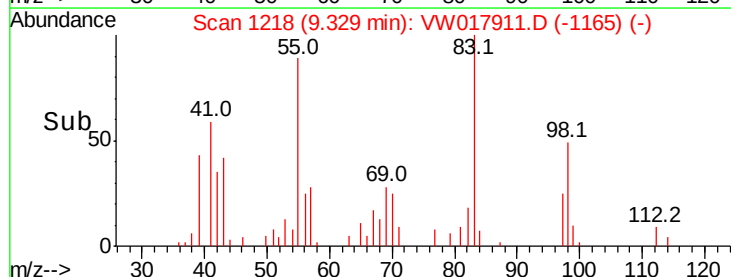
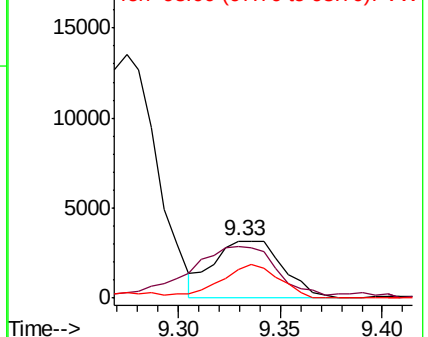
98 49.8 40.7 61.1

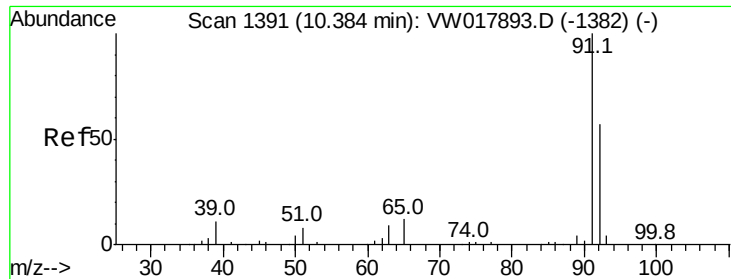


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#44

Toluene

Concen: 1.255 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW017911.D

Acq: 15 Jan 2021 20:30

Instrument :

MSVOA_W

ClientSampled :

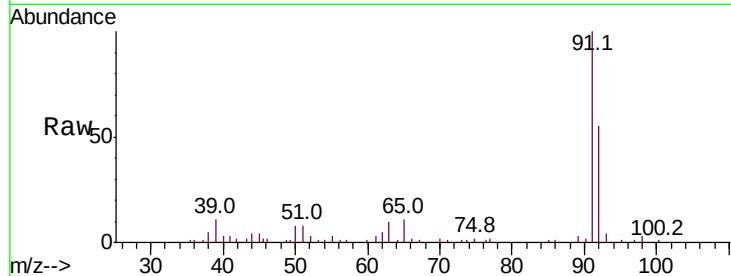
F1C17

Tot Ion: 91 Resp: 17146

Ion Ratio Lower Upper

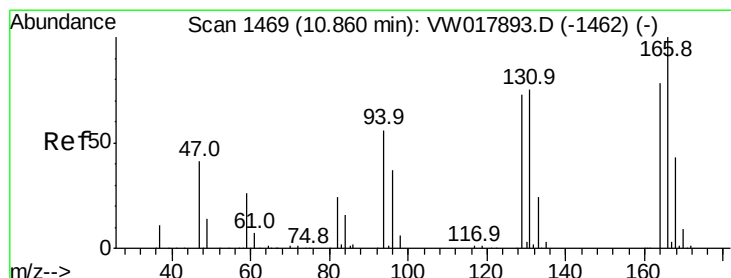
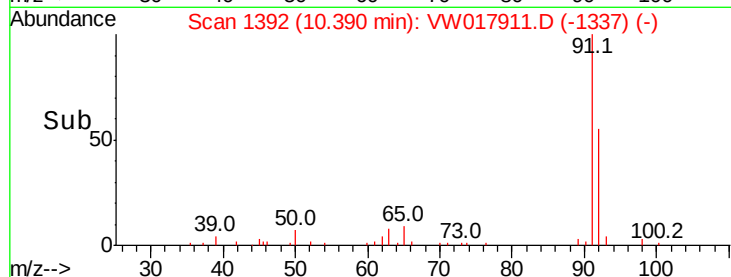
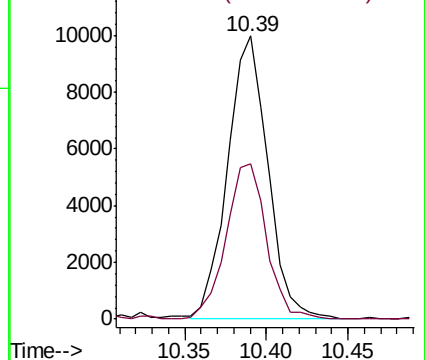
91 100

92 54.8 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#47

Tetrachloroethene

Concen: 7.272 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW017911.D

Acq: 15 Jan 2021 20:30

Tgt Ion: 164 Resp: 18855

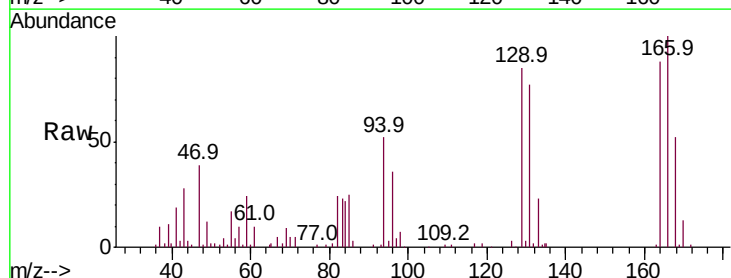
Ion Ratio Lower Upper

164 100

129 95.8 67.6 125.6

131 87.0 65.2 121.2

166 113.4 93.2 173.2

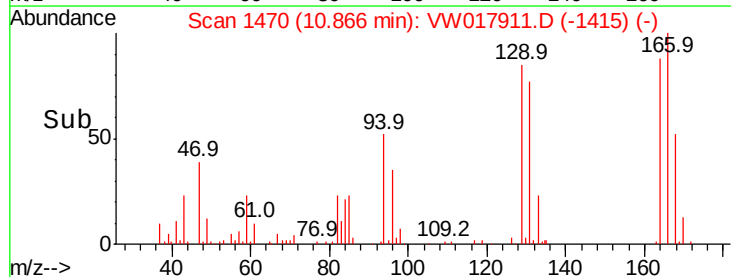
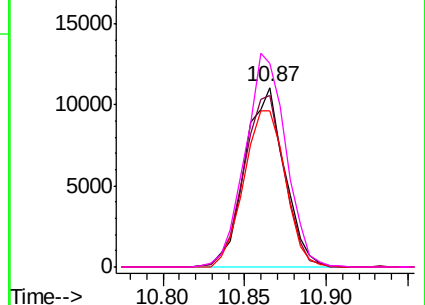


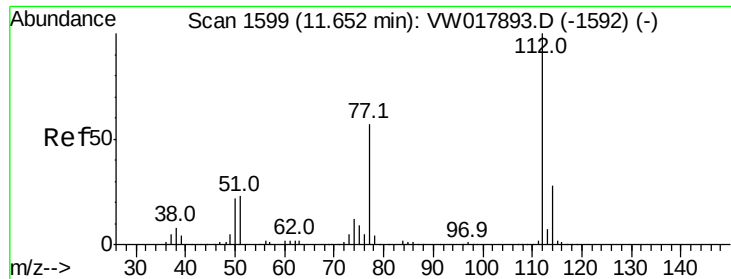
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#52

Chlorobenzene

Concen: 62.804 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW017911.D

Acq: 15 Jan 2021 20:30

Instrument :

MSVOA_W

ClientSampleId :

F1C17

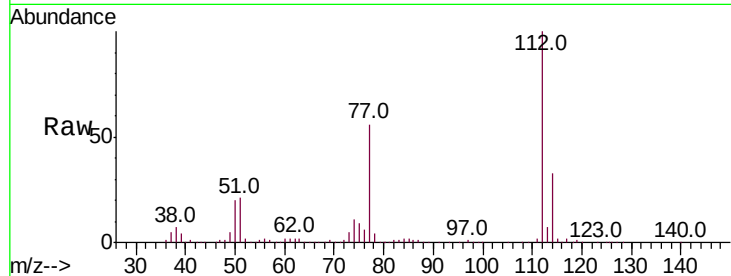
Tot Ion:112 Resp: 535656

Ion Ratio Lower Upper

112 100

77 56.0 42.6 64.0

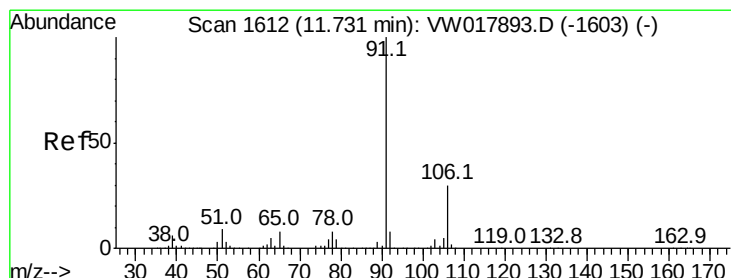
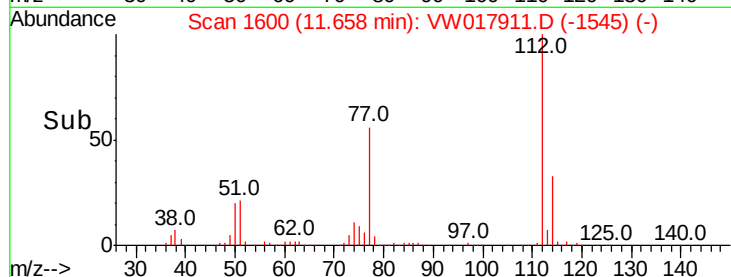
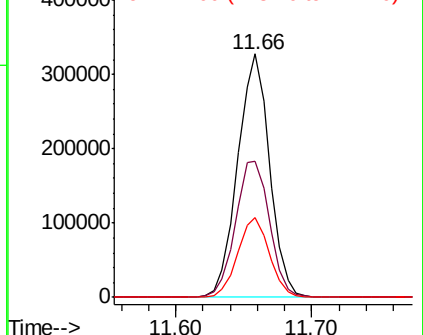
114 32.7 21.6 40.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 0.418 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017911.D

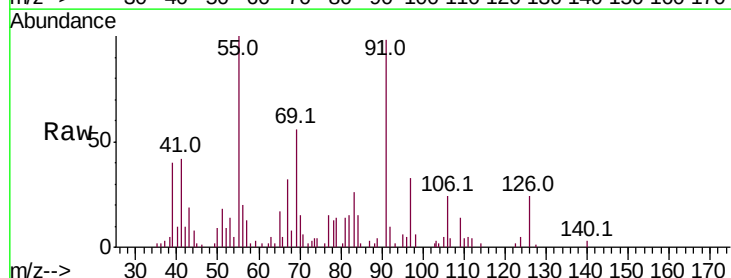
Acq: 15 Jan 2021 20:30

Tgt Ion: 91 Resp: 6485

Ion Ratio Lower Upper

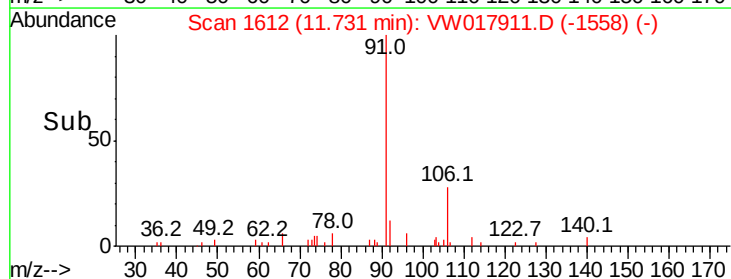
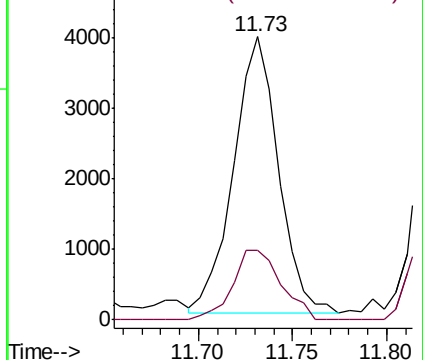
91 100

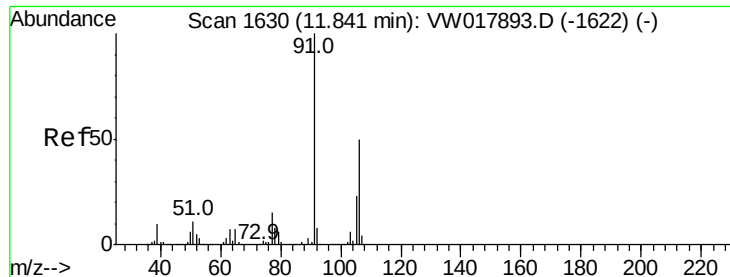
106 24.5 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 1.606 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW017911.D

Acq: 15 Jan 2021 20:30

Instrument :

MSVOA_W

ClientSampled :

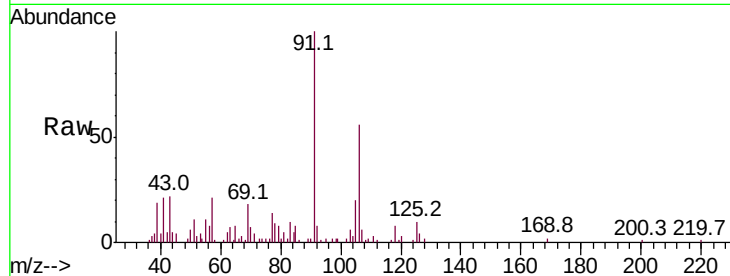
F1C17

Tot Ion:106 Resp: 9742

Ion Ratio Lower Upper

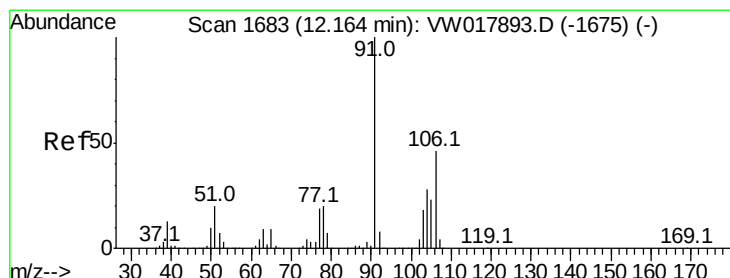
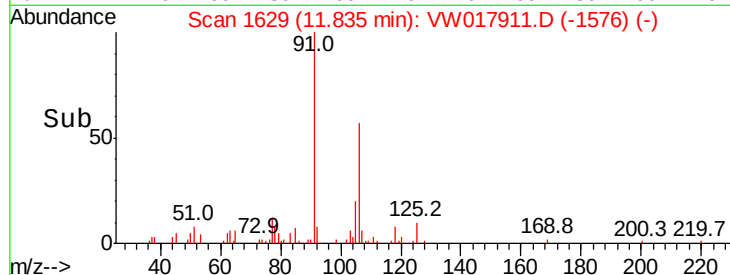
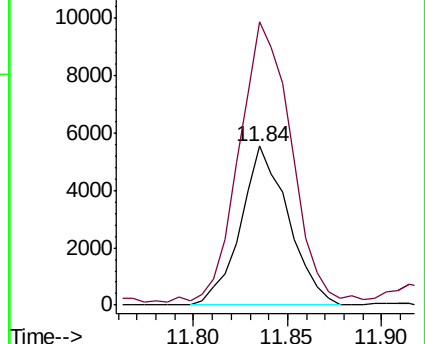
106 100

91 178.2 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.663 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW017911.D

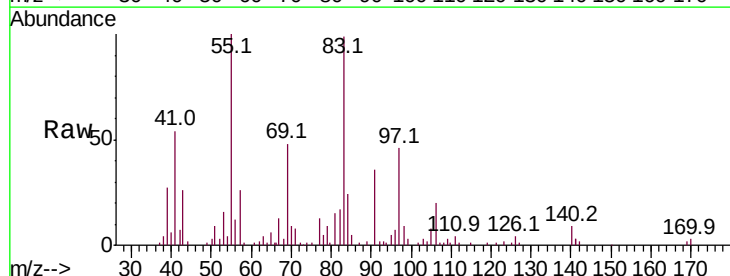
Acq: 15 Jan 2021 20:30

Tgt Ion:106 Resp: 3782

Ion Ratio Lower Upper

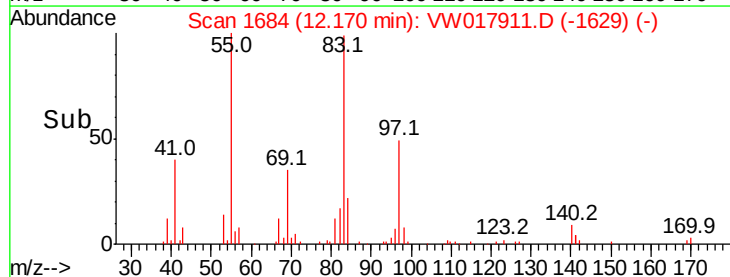
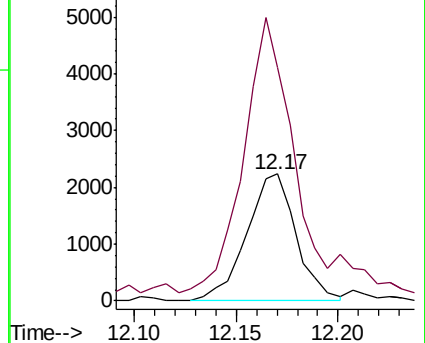
106 100

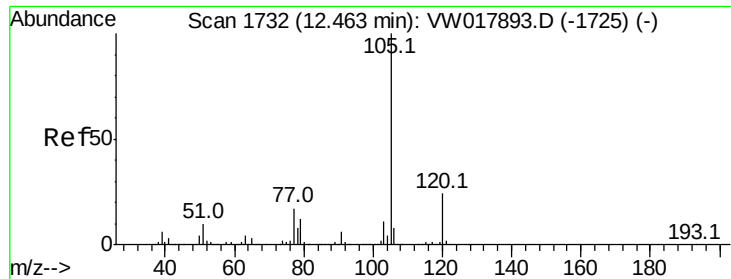
91 183.6 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 7.072 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017911.D

Acq: 15 Jan 2021 20:30

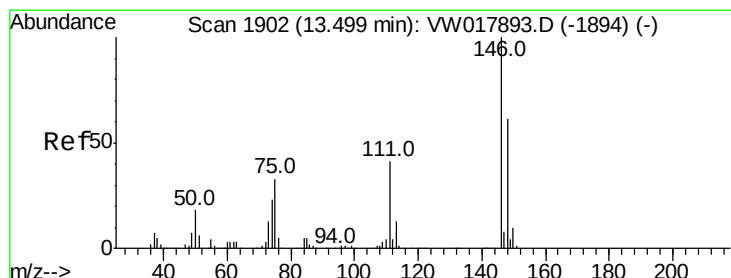
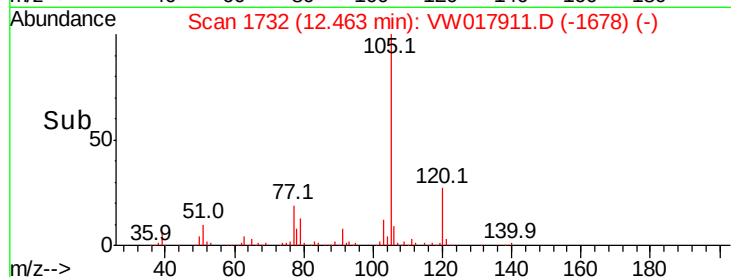
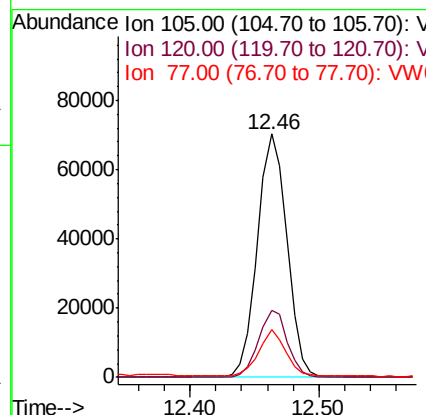
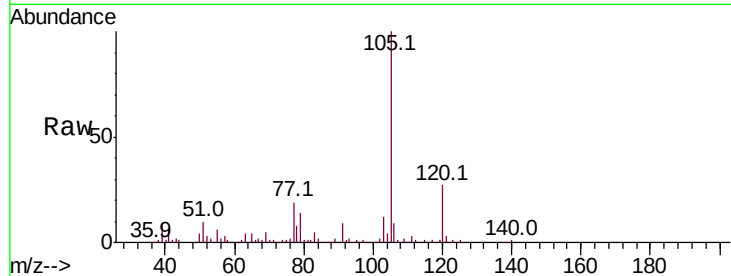
Instrument :

MSVOA_W

ClientSampleId :

F1C17

Tot Ion:	105	Resp:	111666
Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.4	32.2
77	17.1	12.1	18.1



#63

1,3-Dichlorobenzene

Concen: 15.088 ug/L

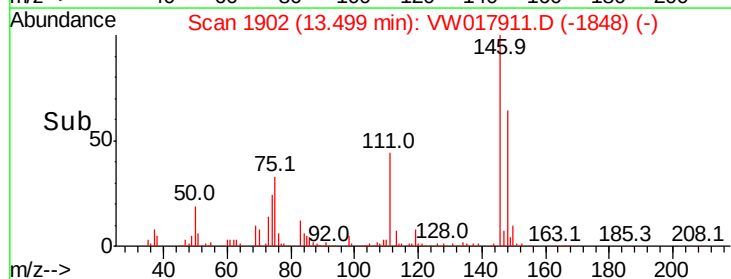
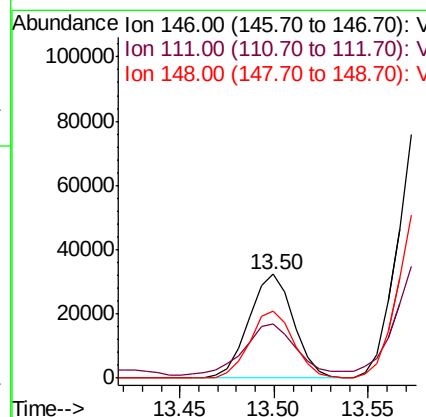
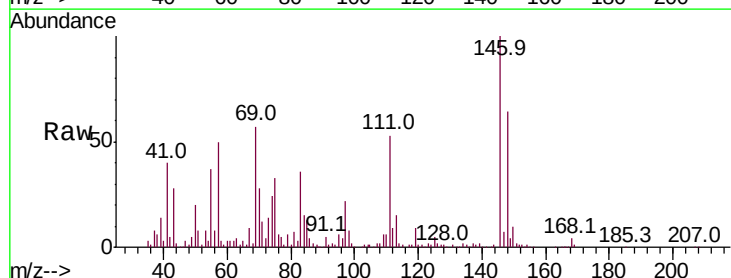
RT: 13.50 min Scan# 1902

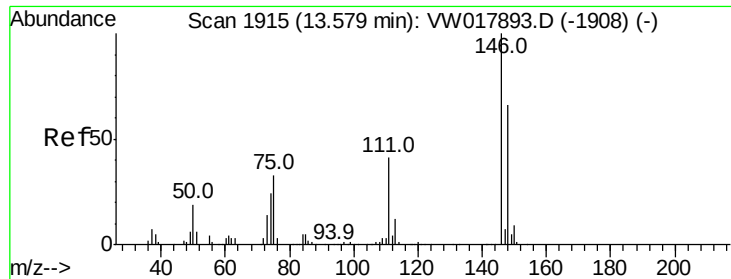
Delta R.T. 0.00 min

Lab File: VW017911.D

Acq: 15 Jan 2021 20:30

Tgt Ion:	146	Resp:	53187
Ion	Ratio	Lower	Upper
146	100		
111	52.6	28.5	52.9
148	64.0	47.8	88.8





#64

1,4-Dichlorobenzene

Concen: 38.537 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW017911.D

Acq: 15 Jan 2021 20:30

Instrument :

MSVOA_W

ClientSampleId :

F1C17

Tot Ion:146 Resp: 136518

Ion Ratio Lower Upper

146 100

111 43.5 27.7 51.5

148 61.4 47.0 87.2

