

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017903.D
 Acq On : 15 Jan 2021 17:22
 Operator : SY/VA
 Sample : M1099-14
 Misc : 6.70G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 18 02:09:41 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	296728	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	251313	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	96691	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	114267	24.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.56%
7) Chloroethane-d5	2.89	69	102835	27.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.56%
10) 1,1-Dichloroethene-d2	4.02	63	150655	18.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.32%
20) 2-Butanone-d5	7.09	46	49098	65.98	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.96%
24) Chloroform-d	7.65	84	209551	27.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.08%
26) 1,2-Dichloroethane-d4	8.31	65	126596	31.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	126.16%
29) Benzene-d6	8.27	84	412698	29.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.60%
33) 1,2-Dichloropropane-d6	9.27	67	121145	31.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	124.20%#
37) Toluene-d8	10.32	98	356876	26.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.00%
38) trans-1,3-Dichloropropene-	10.58	79	44900	25.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.24%
39) 2-Hexanone-d5	10.93	63	34657	70.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	141.44%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	88258	30.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.88%#
61) 1,2-Dichlorobenzene-d4	13.85	152	89545	26.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1603	0.425	ug/L #	37
13) Acetone	4.14	43	24544	38.197	ug/L	65
14) Carbon disulfide	4.39	76	11858	1.086	ug/L	100
16) Methylene chloride	4.91	84	4681	1.103	ug/L	75
17) Methyl tert-butyl Ether	5.42	73	836	0.180	ug/L #	30
21) 2-Butanone	7.17	43	3015	3.488	ug/L	85
42) cis-1,3-Dichloropropene	10.04	75	4454	0.823	ug/L	97
45) trans-1,3-Dichloropropene	10.57	75	2285	0.496	ug/L #	80
49) 2-Hexanone	10.97	43	591	0.505	ug/L #	46
52) Chlorobenzene	11.66	112	21628	2.114	ug/L #	86
54) m,p-Xylene	11.84	106	1833	0.252	ug/L	90
55) o-xylene	12.16	106	1703	0.249	ug/L	78
57) Isopropylbenzene	12.46	105	12760	0.674	ug/L #	95
63) 1,3-Dichlorobenzene	13.50	146	10766	1.804	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	6414	1.069	ug/L	96

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Quant Title : VOC Analysis
QLast Update : Mon Jan 18 02:07:49 2021
Response via : Initial Calibration

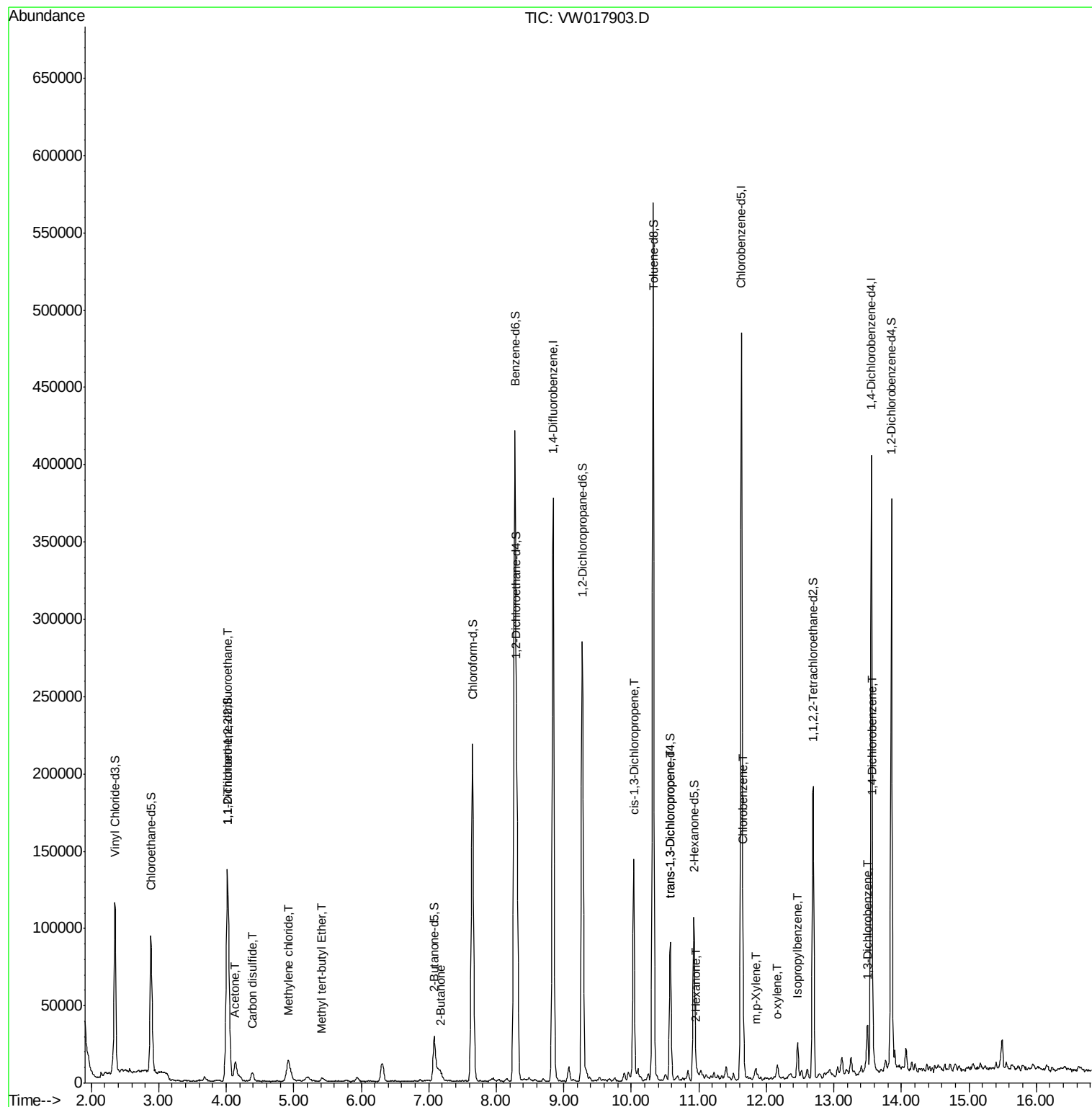
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

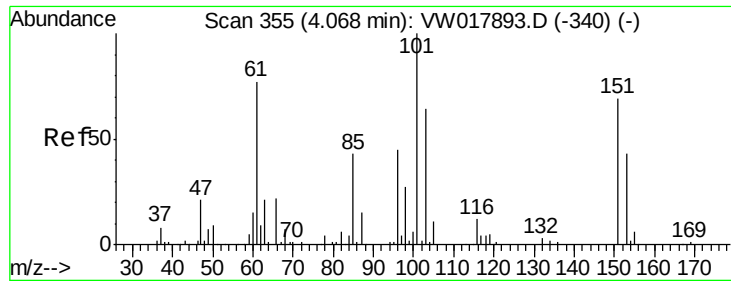
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.425 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW017903.D

Acq: 15 Jan 2021 17:22

Instrument :

MSVOA_W

ClientSampleId :

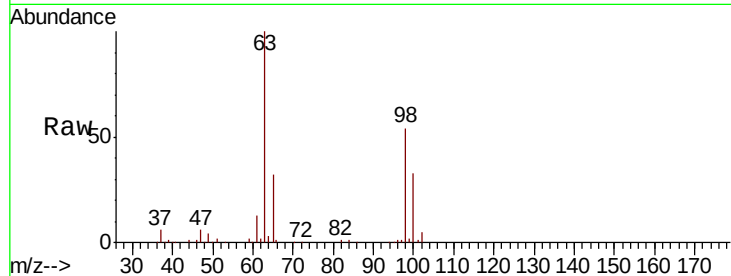
Tot Ion:101 Resp: 1603

Ion Ratio Lower Upper

101 100

85 3.0 34.2 51.4#

151 0.0 30.4 45.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V

4.02

600

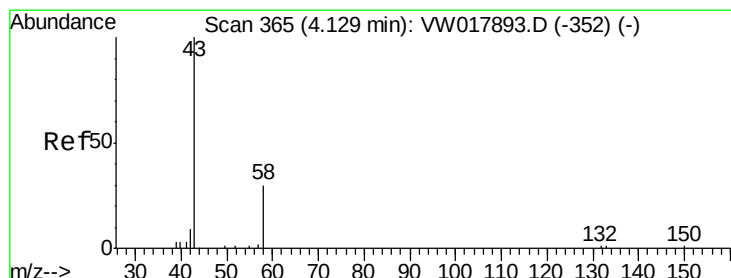
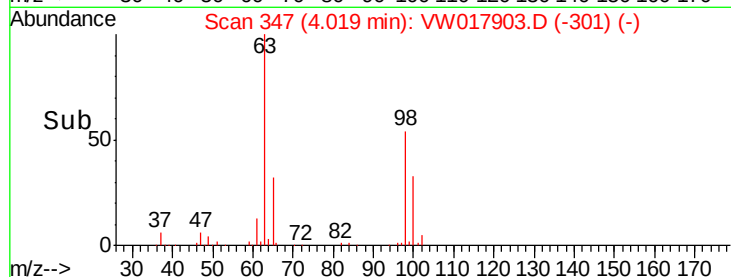
400

200

0

3.95 4.00 4.05

Time-->



#13

Acetone

Concen: 38.197 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017903.D

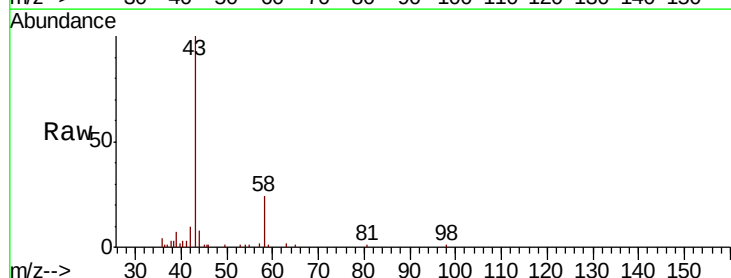
Acq: 15 Jan 2021 17:22

Tgt Ion: 43 Resp: 24544

Ion Ratio Lower Upper

43 100

58 13.8 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

8000

6000

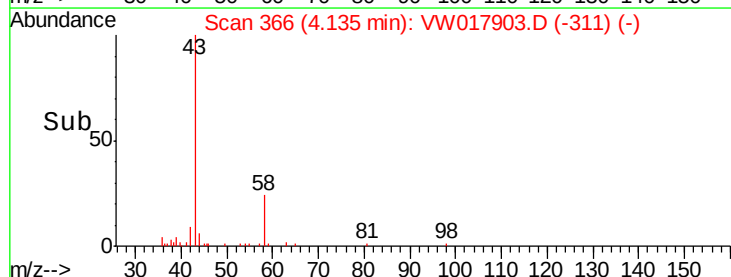
4000

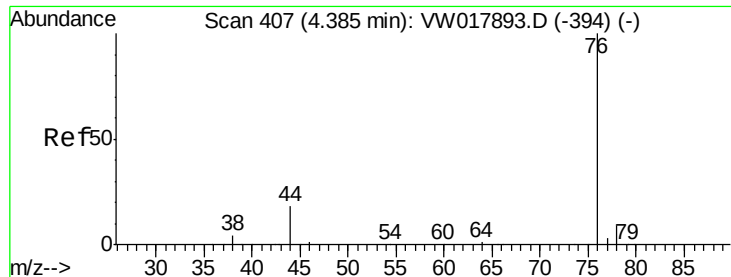
2000

0

4.10 4.20

Time-->





#14

Carbon disulfide

Concen: 1.086 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017903.D

Acq: 15 Jan 2021 17:22

Instrument :

MSVOA_W

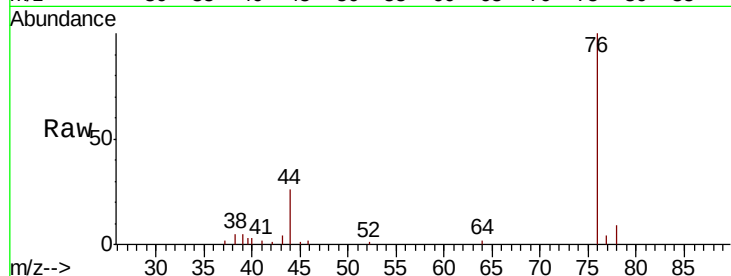
ClientSampleId :

Tot Ion: 76 Resp: 11858

Ion Ratio Lower Upper

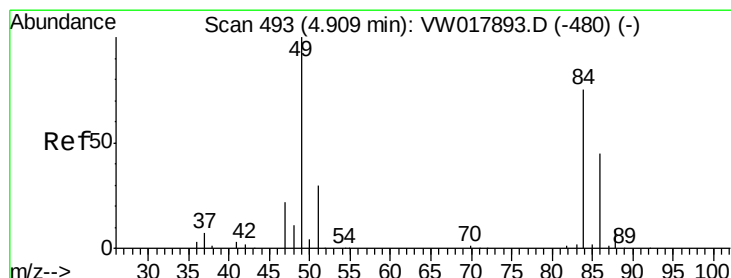
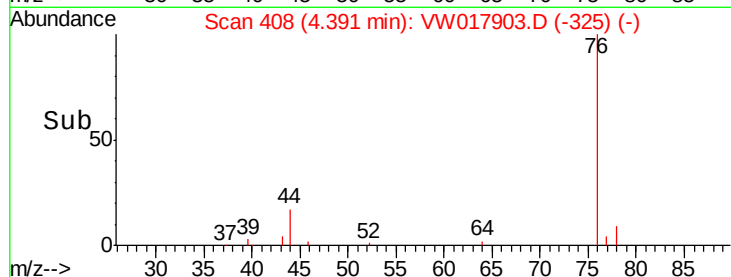
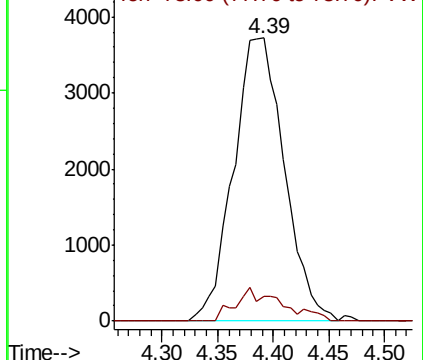
76 100

78 8.8 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 1.103 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW017903.D

Acq: 15 Jan 2021 17:22

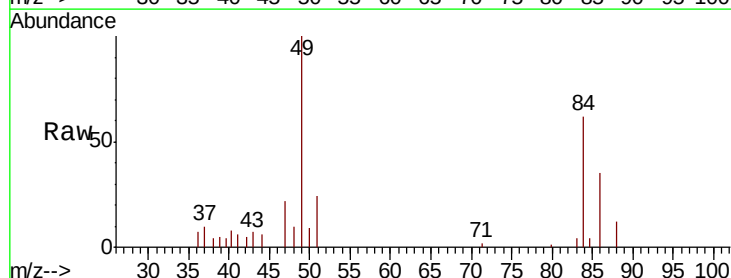
Tgt Ion: 84 Resp: 4681

Ion Ratio Lower Upper

84 100

49 149.8 81.2 150.8

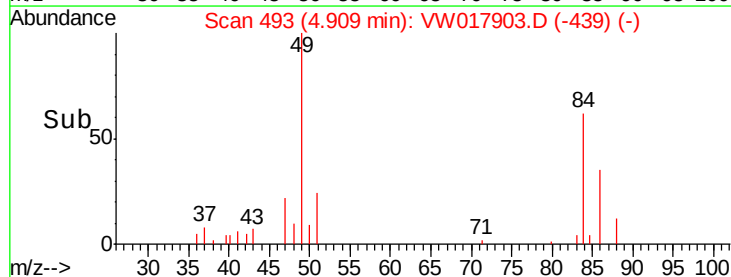
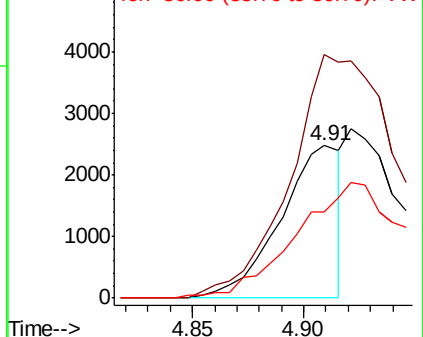
86 53.0 44.5 82.7

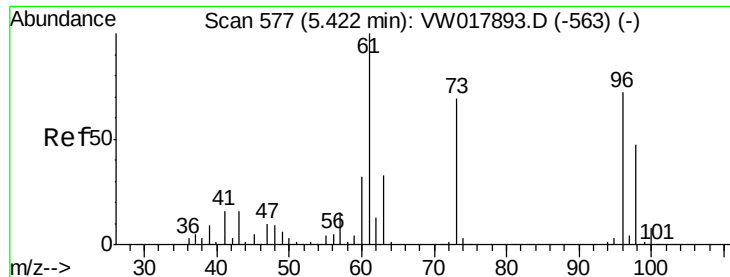


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

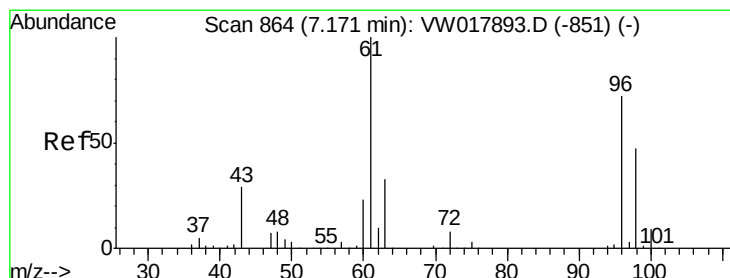
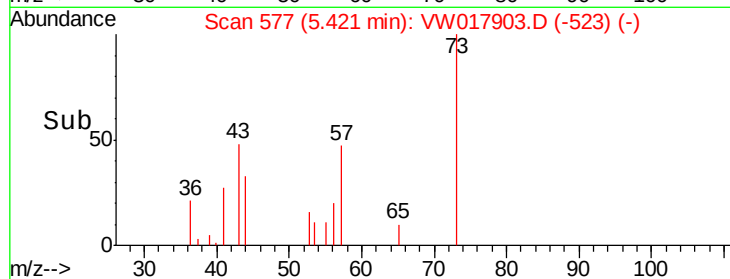
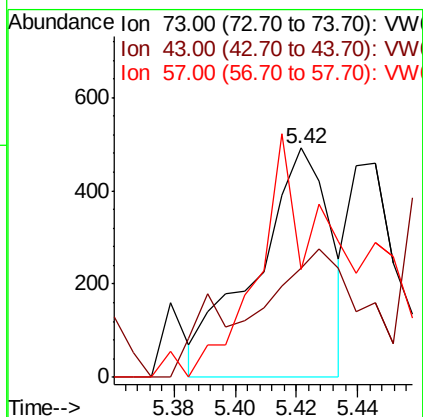
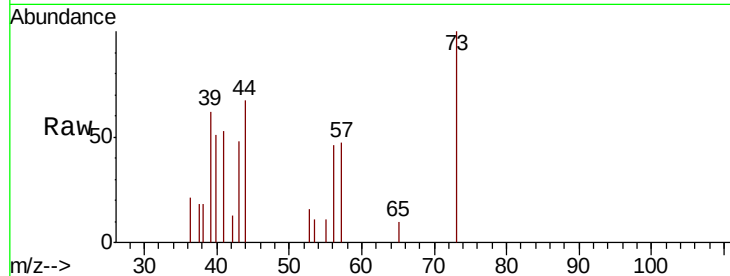




#17
Methyl tert-butyl Ether
Concen: 0.180 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW017903.D
Acq: 15 Jan 2021 17:22

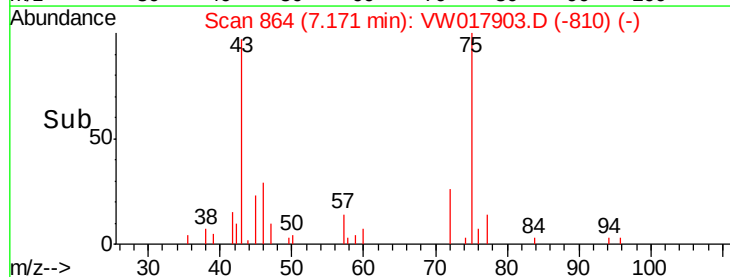
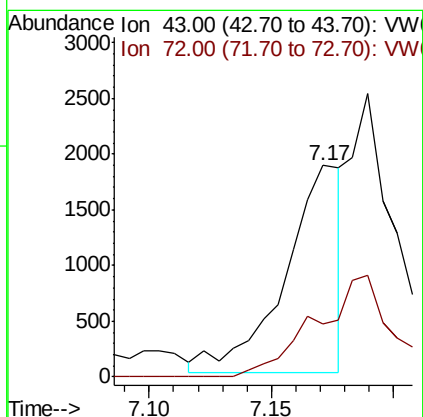
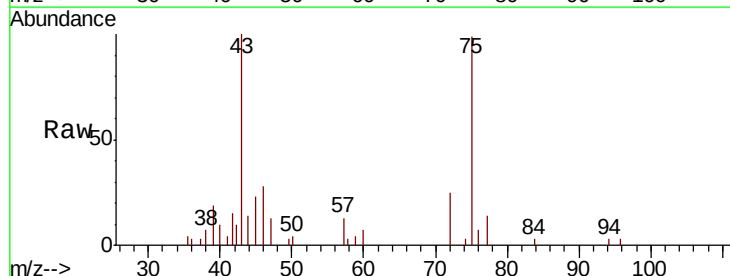
Instrument :
MSVOA_W
ClientSampled :

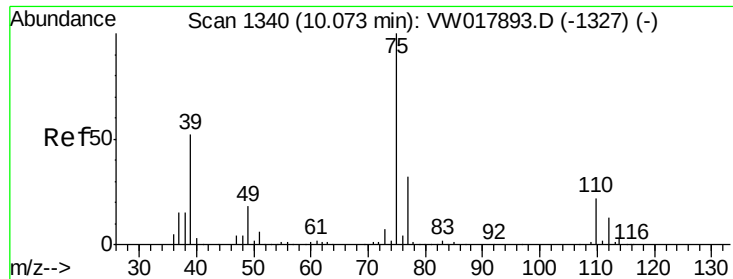
Tot Ion: 73 Resp: 836
Ion Ratio Lower Upper
73 100
43 69.1 16.2 24.4#
57 38.8 17.2 25.8#



#21
2-Butanone
Concen: 3.488 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017903.D
Acq: 15 Jan 2021 17:22

Tgt Ion: 43 Resp: 3015
Ion Ratio Lower Upper
43 100
72 20.7 14.4 43.2





#42

cis-1,3-Dichloropropene

Concen: 0.823 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017903.D

Acq: 15 Jan 2021 17:22

Instrument :

MSVOA_W

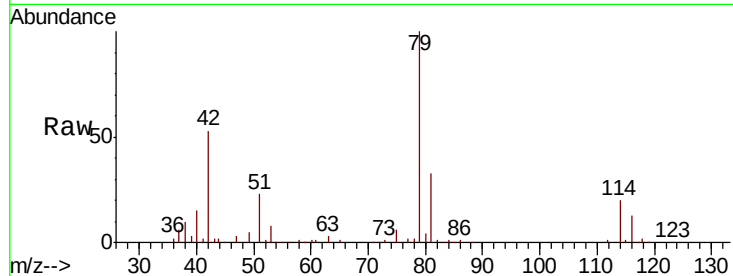
ClientSampled :

Tot Ion: 75 Resp: 4454

Ion Ratio Lower Upper

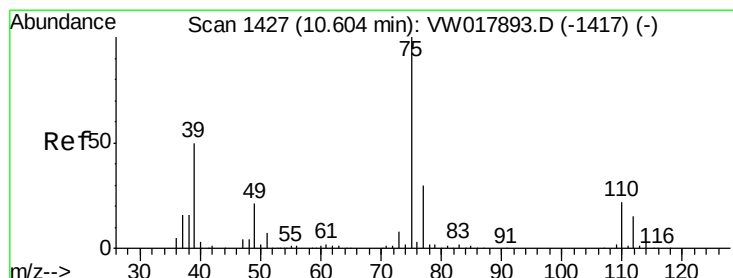
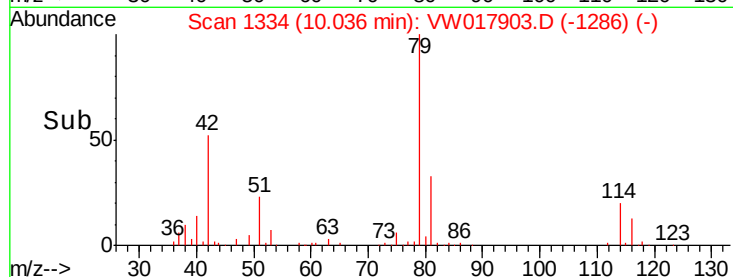
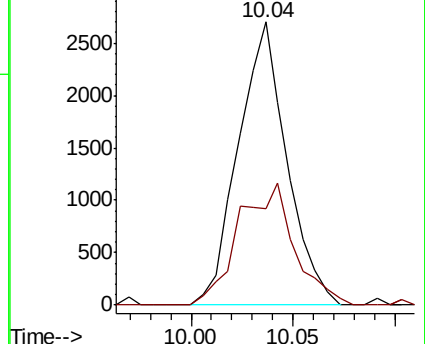
75 100

77 34.0 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.496 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW017903.D

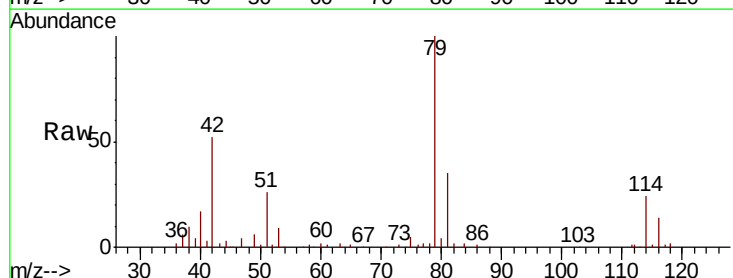
Acq: 15 Jan 2021 17:22

Tgt Ion: 75 Resp: 2285

Ion Ratio Lower Upper

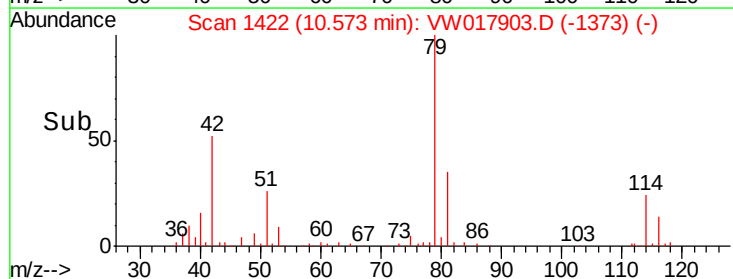
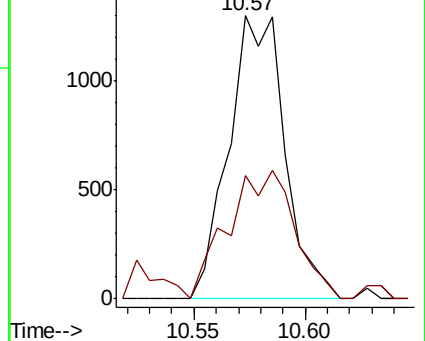
75 100

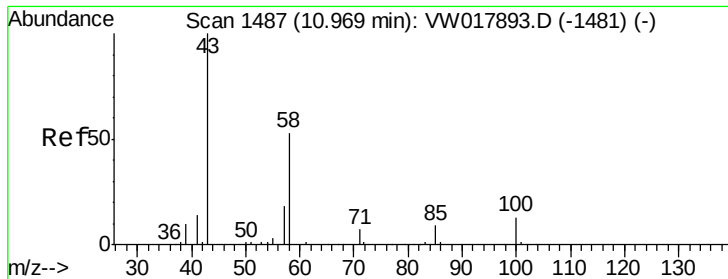
77 43.6 22.6 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

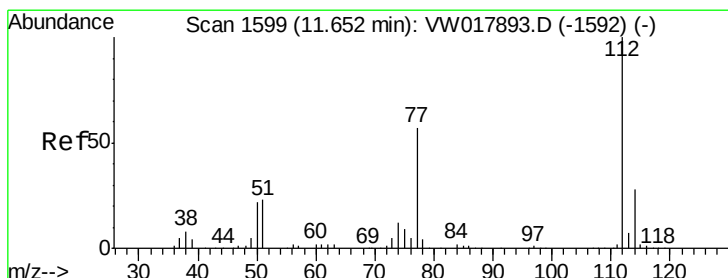
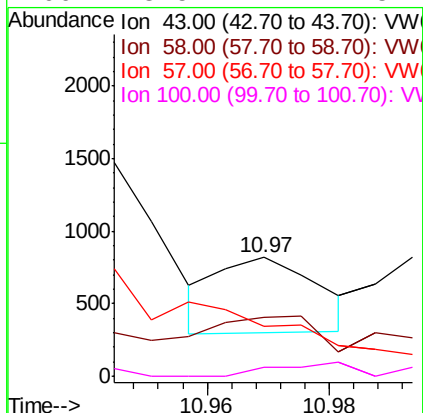
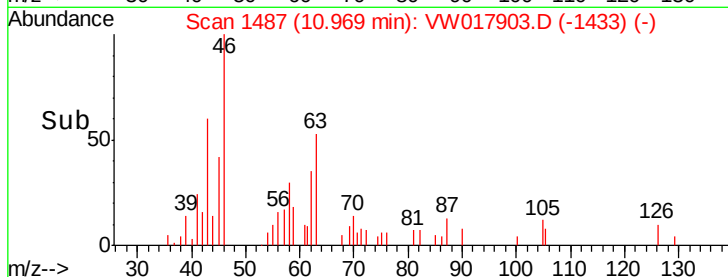
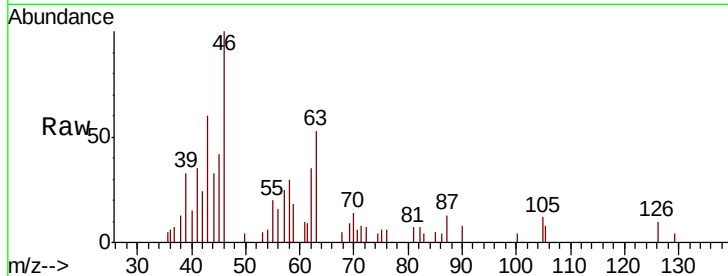




#49
2-Hexanone
Concen: 0.505 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017903.D
Acq: 15 Jan 2021 17:22

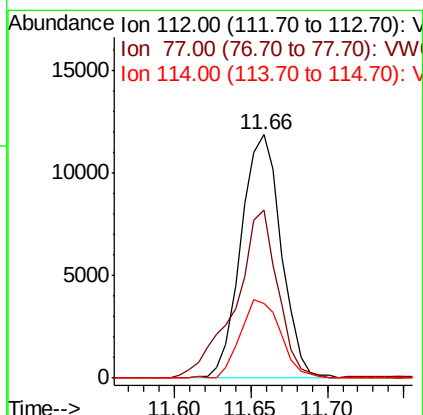
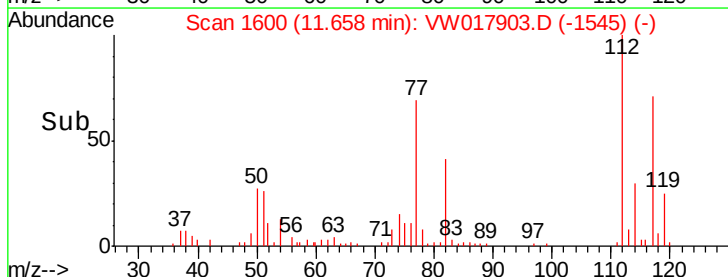
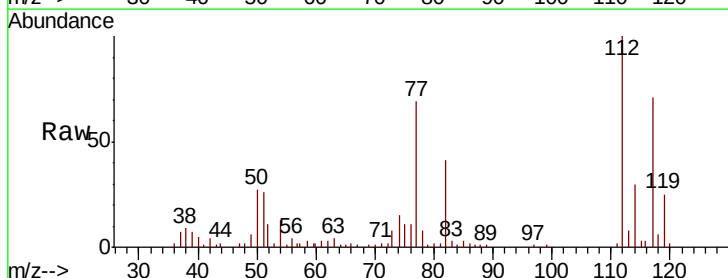
Instrument :
MSVOA_W
ClientSampled :

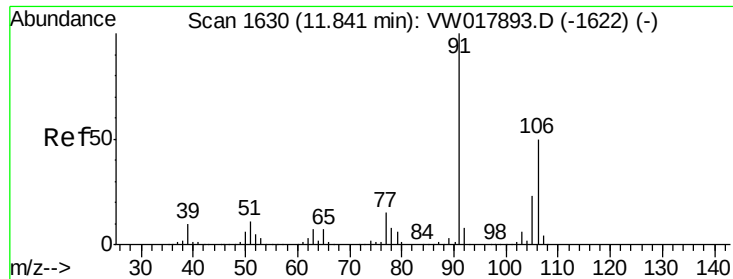
Tot Ion: 43 Resp: 591
Ion Ratio Lower Upper
43 100
58 101.2 51.3 76.9#
57 71.9 15.0 22.6#
100 13.5 12.2 18.2



#52
Chlorobenzene
Concen: 2.114 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW017903.D
Acq: 15 Jan 2021 17:22

Tgt Ion: 112 Resp: 21628
Ion Ratio Lower Upper
112 100
77 68.8 42.6 64.0#
114 30.4 21.6 40.2





#54

m,p-Xylene

Concen: 0.252 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017903.D

Acq: 15 Jan 2021 17:22

Instrument :

MSVOA_W

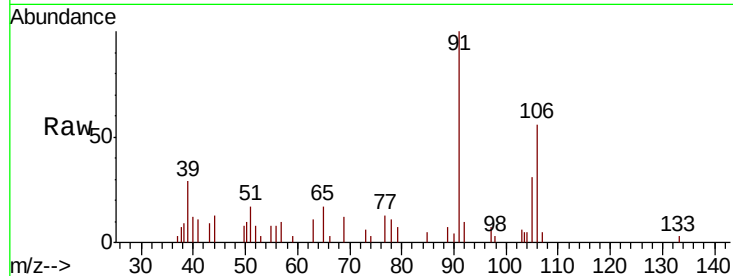
ClientSampled :

Tot Ion:106 Resp: 1833

Ion Ratio Lower Upper

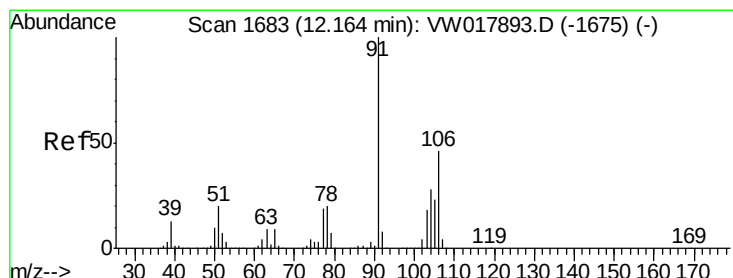
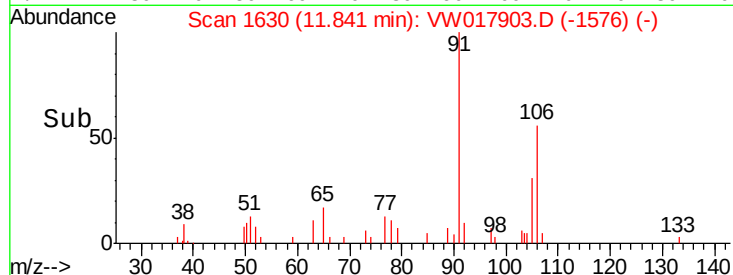
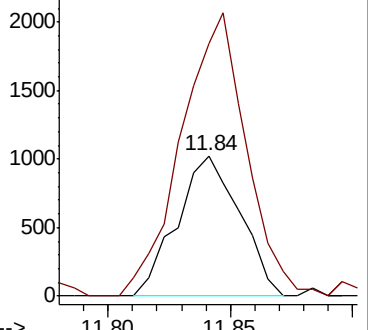
106 100

91 179.8 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.249 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW017903.D

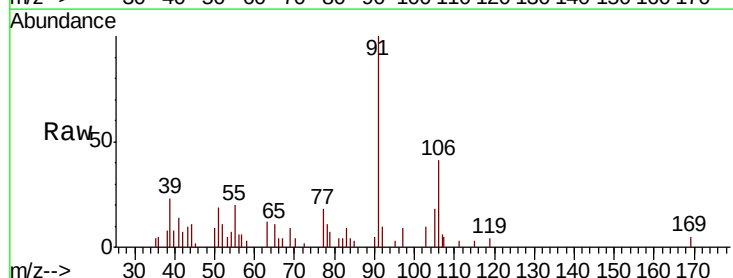
Acq: 15 Jan 2021 17:22

Tgt Ion:106 Resp: 1703

Ion Ratio Lower Upper

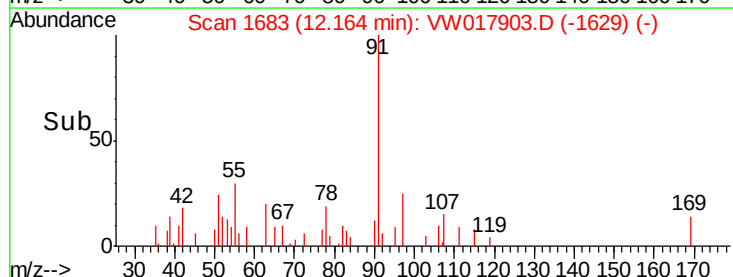
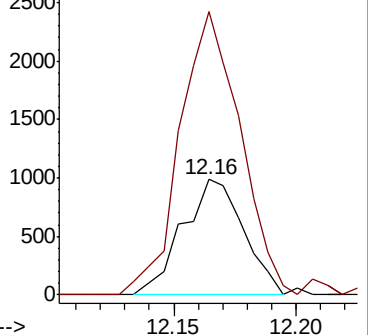
106 100

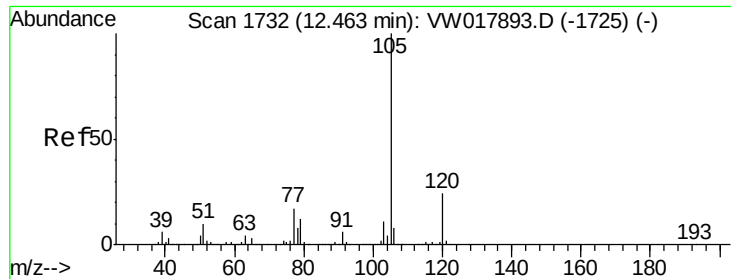
91 244.9 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 0.674 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017903.D

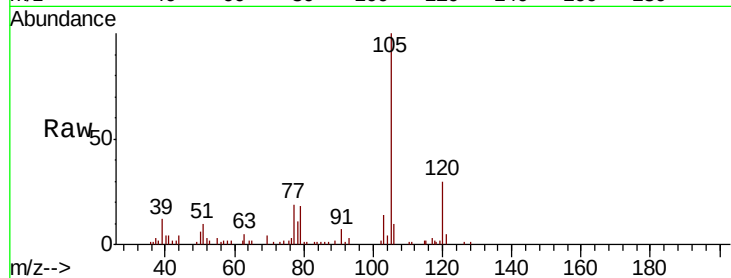
Acq: 15 Jan 2021 17:22

Instrument :

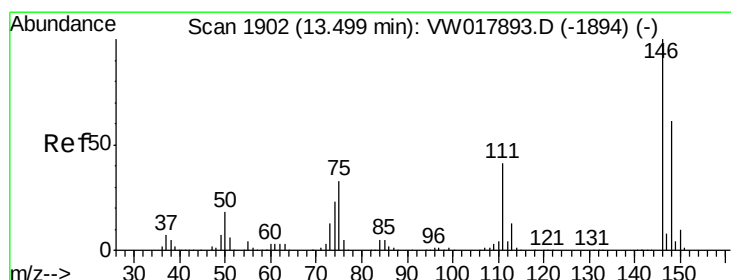
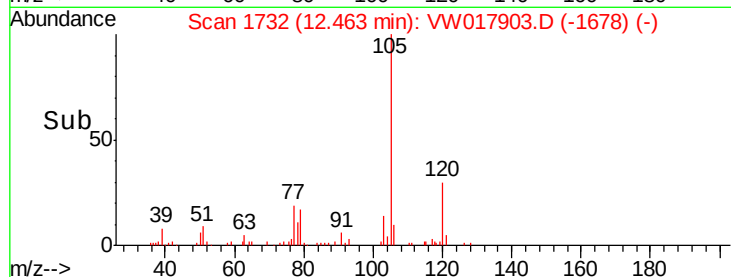
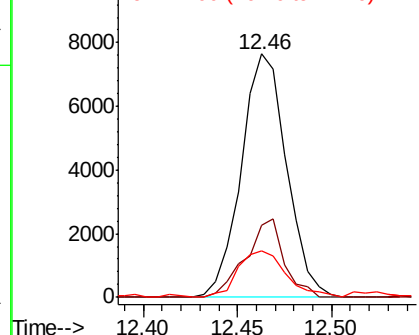
MSVOA_W

ClientSampleId :

Tot Ion:	105	Resp:	12760
Ion	Ratio	Lower	Upper
105	100		
120	27.4	21.4	32.2
77	20.0	12.1	18.1#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#63

1,3-Dichlorobenzene

Concen: 1.804 ug/L

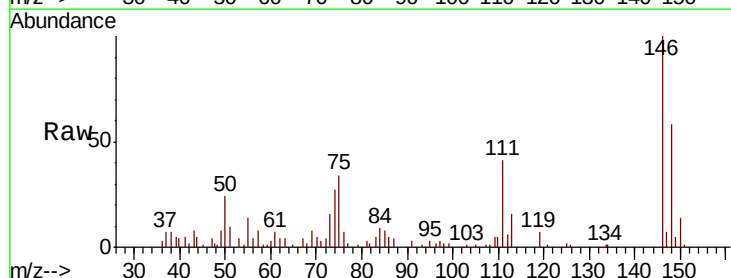
RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

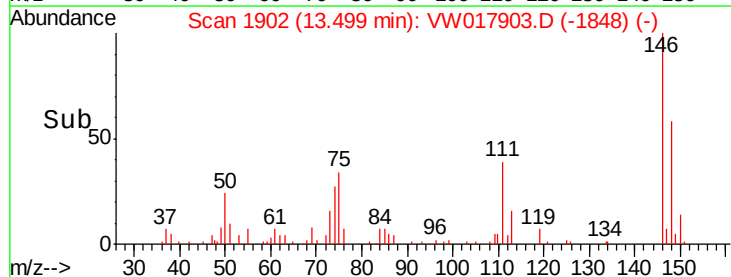
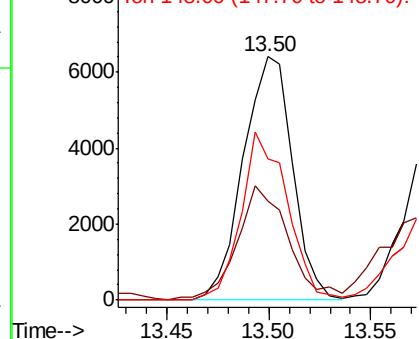
Lab File: VW017903.D

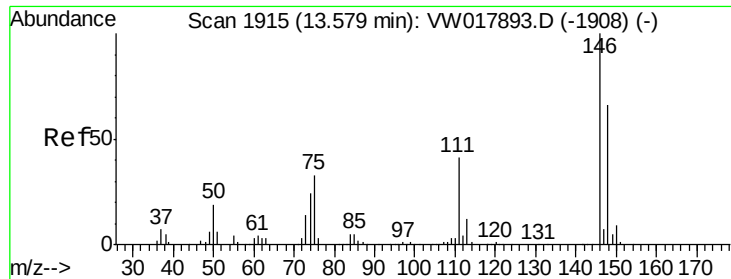
Acq: 15 Jan 2021 17:22

Tgt Ion:	146	Resp:	10766
Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.5	52.9
148	58.2	47.8	88.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 1.069 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW017903.D

Acq: 15 Jan 2021 17:22

Instrument :

MSVOA_W

ClientSampleId :

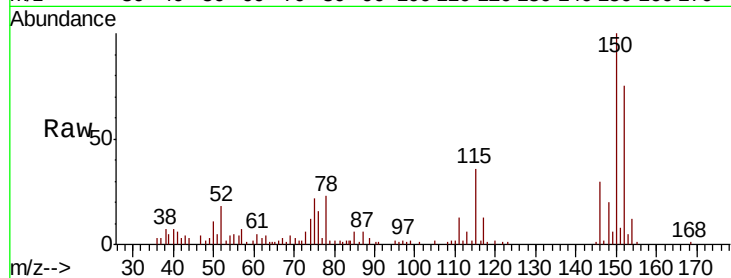
Tot Ion:146 Resp: 6414

Ion Ratio Lower Upper

146 100

111 45.0 27.7 51.5

148 68.1 47.0 87.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

