

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011221\
 Data File : VW017840.D
 Acq On : 12 Jan 2021 17:03
 Operator : SY/VA
 Sample : M1099-03
 Misc : 5.10G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 13 03:23:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 21:58:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	260716	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	228207	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	95572	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	96164	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.36%
7) Chloroethane-d5	2.89	69	77569	23.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.20%
10) 1,1-Dichloroethene-d2	4.01	63	131510	18.71	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.84%
20) 2-Butanone-d5	7.08	46	32557	49.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.60%
24) Chloroform-d	7.65	84	159210	23.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.48%
26) 1,2-Dichloroethane-d4	8.31	65	84944	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.36%
29) Benzene-d6	8.27	84	316018	24.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.32%
33) 1,2-Dichloropropane-d6	9.27	67	88552	24.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.96%
37) Toluene-d8	10.32	98	291789	23.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.52%
38) trans-1,3-Dichloropropene-	10.58	79	33807	21.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.60%
39) 2-Hexanone-d5	10.93	63	23439	52.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	60736	23.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	77017	23.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.36	62	16389	3.786	ug/L	83
13) Acetone	4.12	43	8307	14.714	ug/L	86
14) Carbon disulfide	4.38	76	18736	1.953	ug/L	97
16) Methylene chloride	4.92	84	33800	9.066	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	142773	39.204	ug/L	98
35) Trichloroethene	9.09	95	66212	18.333	ug/L	97
40) 1,2-Dichloropropane	9.27	63	11722	3.805	ug/L #	88
42) cis-1,3-Dichloropropene	10.03	75	3416	0.695	ug/L #	68
45) trans-1,3-Dichloropropene	10.57	75	1932	0.462	ug/L	96
47) Tetrachloroethene	10.86	164	61894	21.919	ug/L	92
49) 2-Hexanone	10.97	43	748	0.704	ug/L #	70
58) 1,1,2,2-Tetrachloroethane	12.69	83	946	0.370	ug/L #	54
59) 1,2,3-Trichloropropane	13.56	75	14960	7.964	ug/L	100
63) 1,3-Dichlorobenzene	13.49	146	5201	0.882	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	4322	0.729	ug/L #	81

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QLast Update : Fri Jan 08 21:58:14 2021
Response via : Initial Calibration

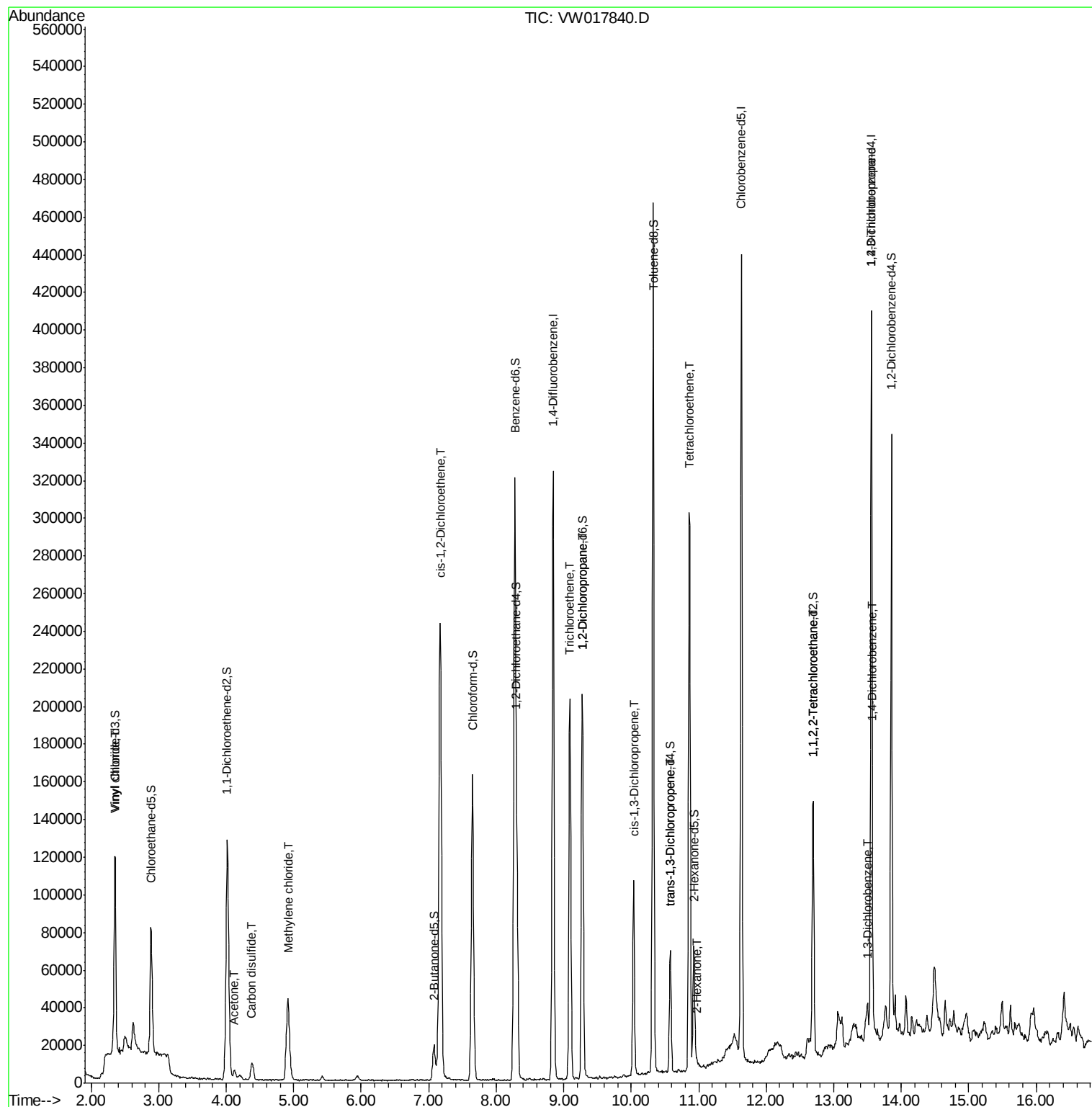
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

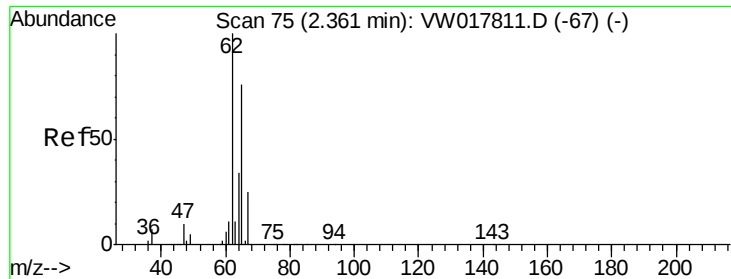
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011221\
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Quant Title : VOC Analysis
QLast Update : Fri Jan 08 21:58:14 2021
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.786 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017840.D

Acq: 12 Jan 2021 17:03

Instrument :

MSVOA_W

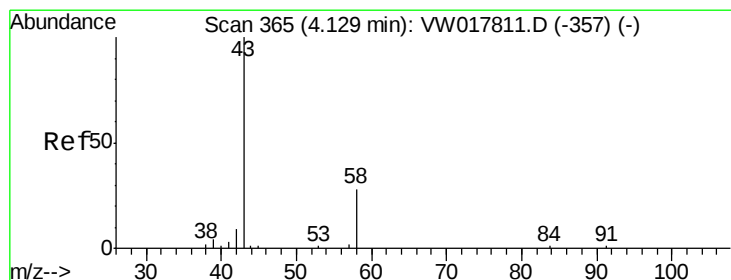
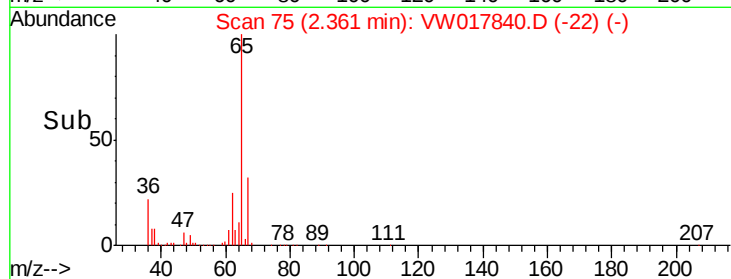
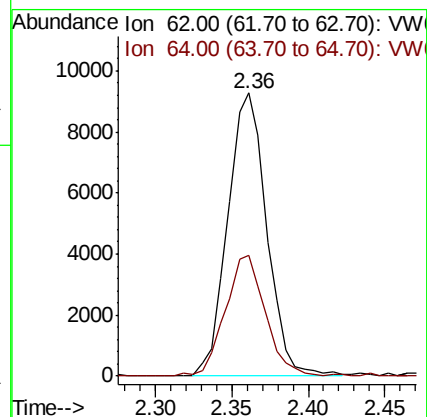
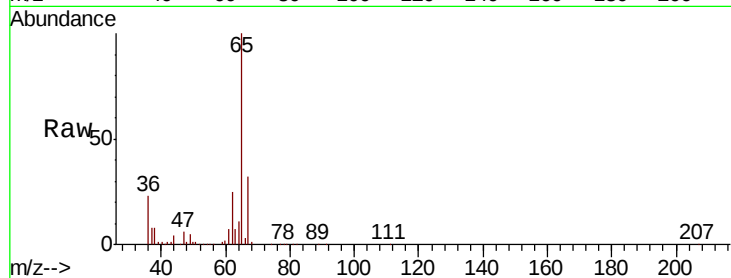
ClientSampled :

Tot Ion: 62 Resp: 16389

Ion Ratio Lower Upper

62 100

64 42.8 23.3 43.3



#13

Acetone

Concen: 14.714 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW017840.D

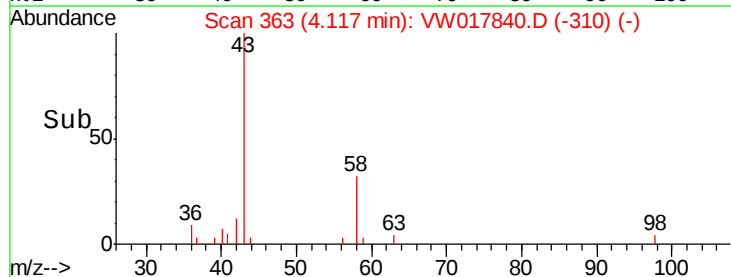
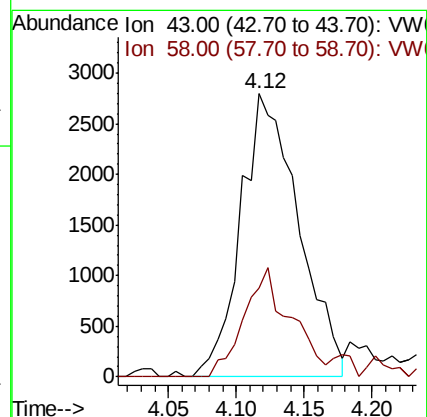
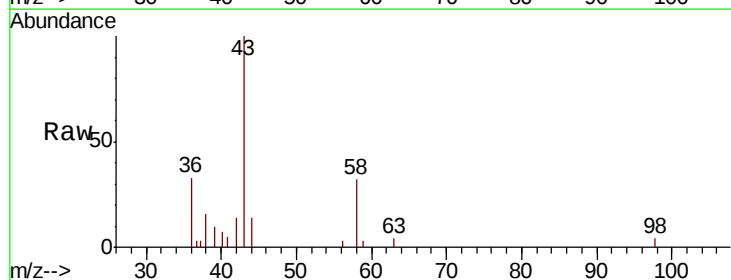
Acq: 12 Jan 2021 17:03

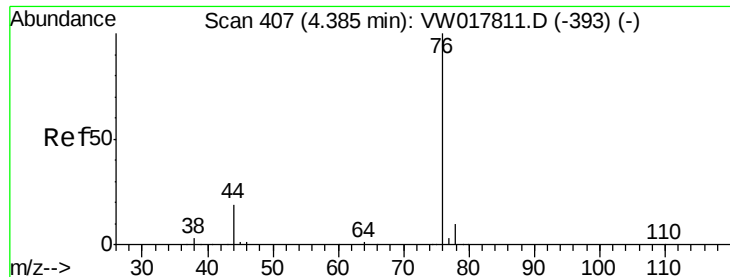
Tgt Ion: 43 Resp: 8307

Ion Ratio Lower Upper

43 100

58 23.0 0.0 60.8





#14

Carbon disulfide

Concen: 1.953 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW017840.D

Acq: 12 Jan 2021 17:03

Instrument :

MSVOA_W

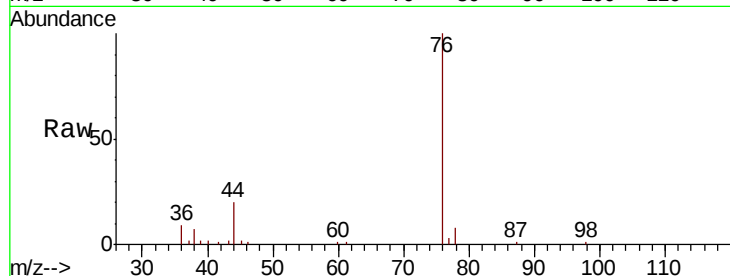
ClientSampled :

Tot Ion: 76 Resp: 18736

Ion Ratio Lower Upper

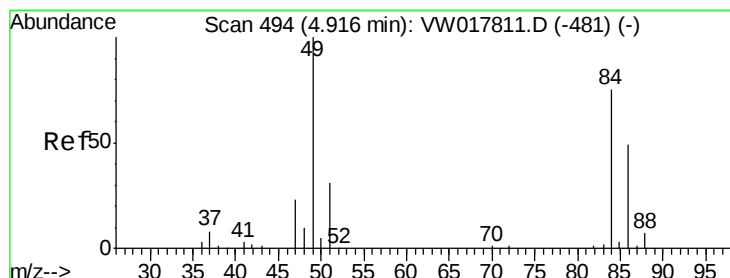
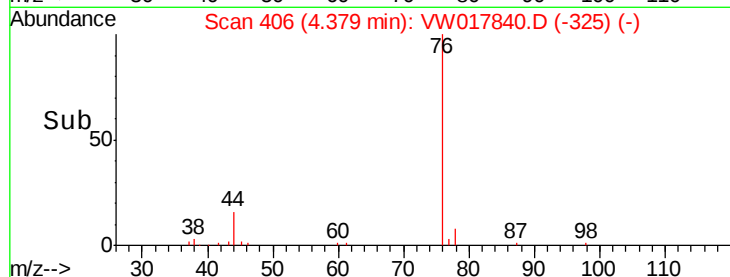
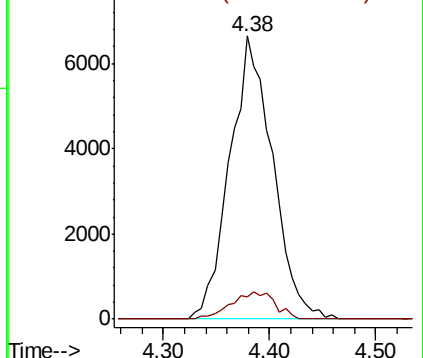
76 100

78 8.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 9.066 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017840.D

Acq: 12 Jan 2021 17:03

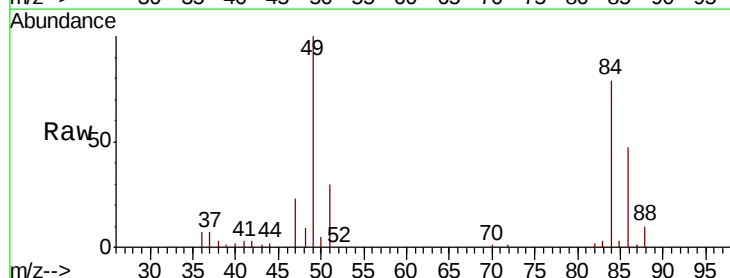
Tgt Ion: 84 Resp: 33800

Ion Ratio Lower Upper

84 100

49 126.3 90.5 168.1

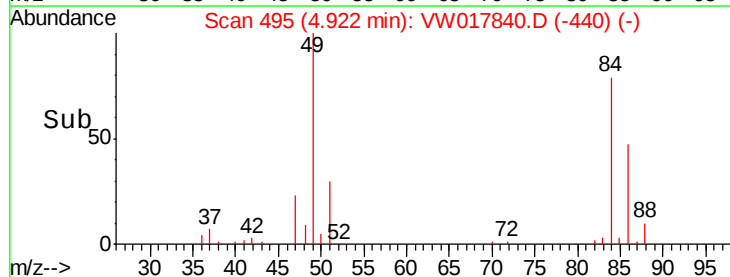
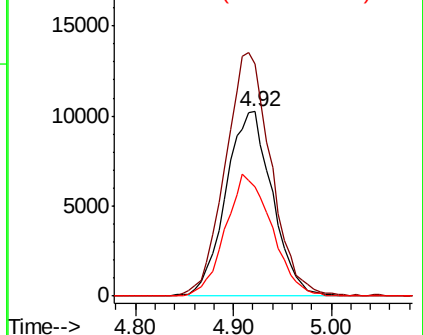
86 59.4 44.8 83.2

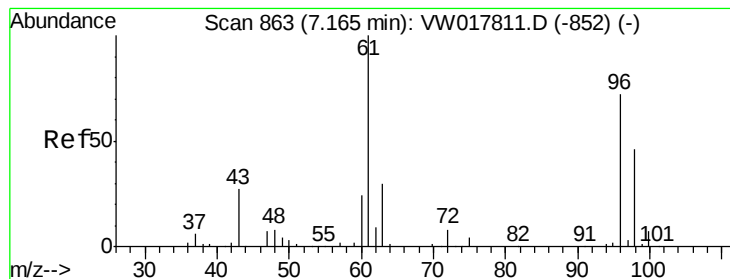


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#22

cis-1,2-Dichloroethene

Concen: 39.204 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW017840.D

Acq: 12 Jan 2021 17:03

Instrument :

MSVOA_W

ClientSampleId :

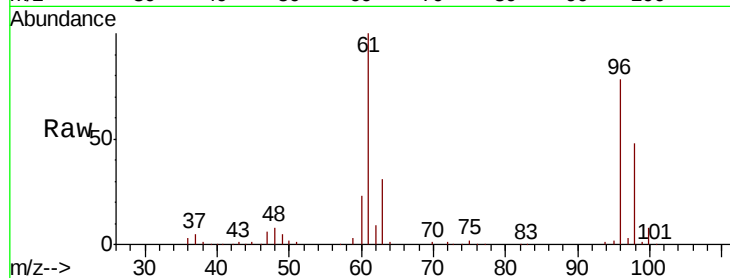
Tot Ion: 96 Resp: 142773

Ion Ratio Lower Upper

96 100

61 128.8 88.2 163.8

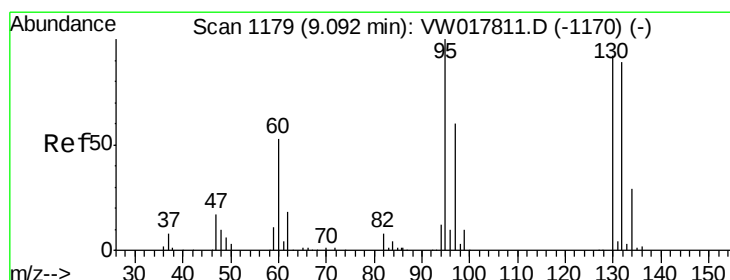
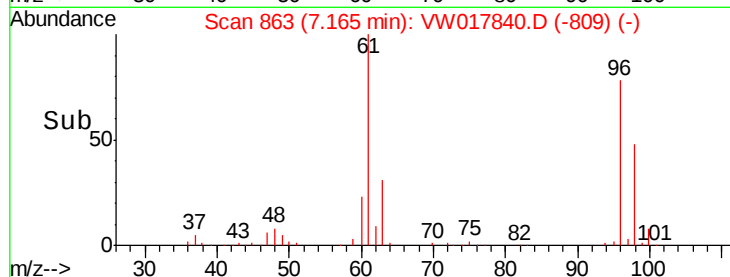
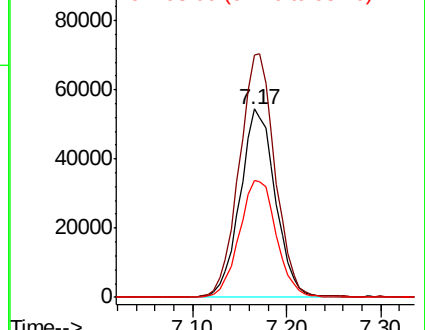
98 62.1 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#35

Trichloroethene

Concen: 18.333 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017840.D

Acq: 12 Jan 2021 17:03

Tgt Ion: 95 Resp: 66212

Ion Ratio Lower Upper

95 100

97 67.1 46.8 87.0

132 95.6 68.3 126.9

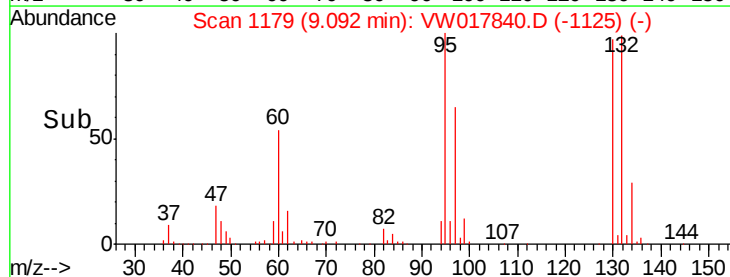
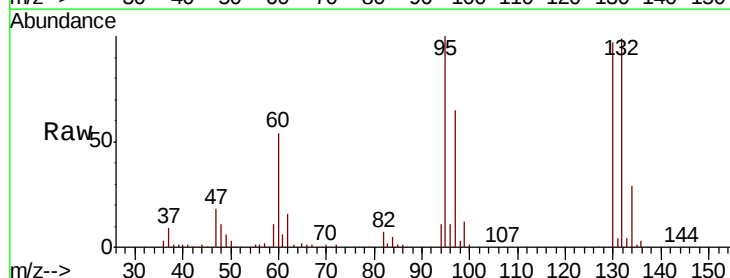
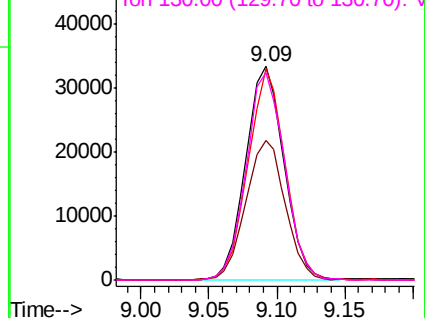
130 96.9 71.8 133.4

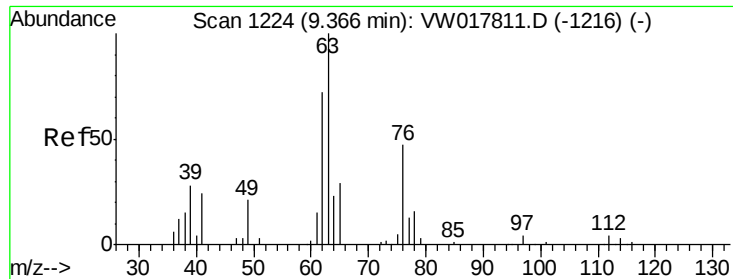
Abundance Ion 95.00 (94.70 to 95.70): VW

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

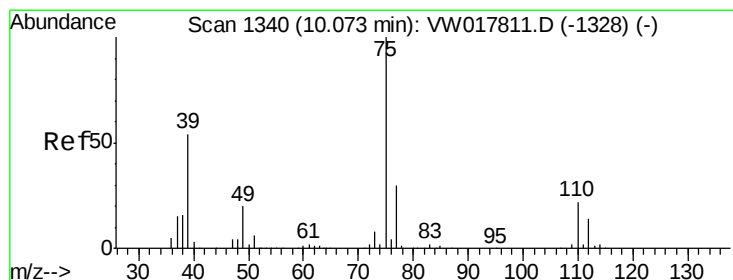
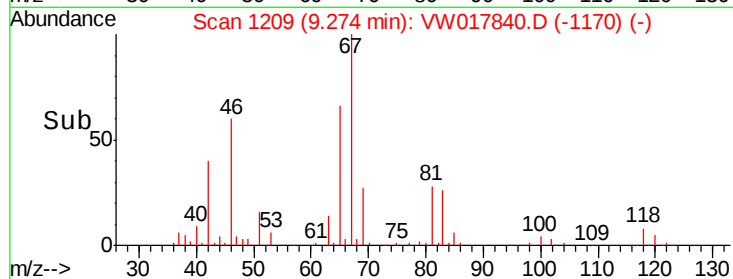
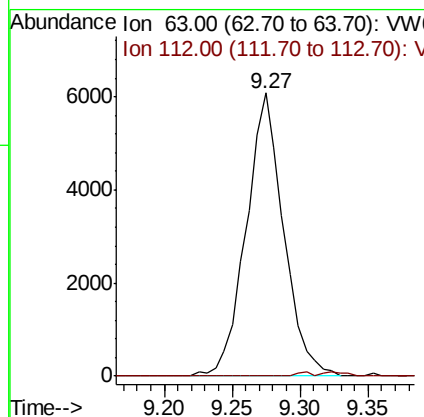
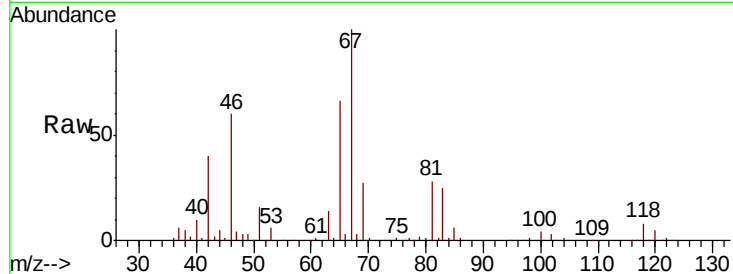




#40
 1,2-Dichloropropane
 Concen: 3.805 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.09 min
 Lab File: VW017840.D
 Acq: 12 Jan 2021 17:03

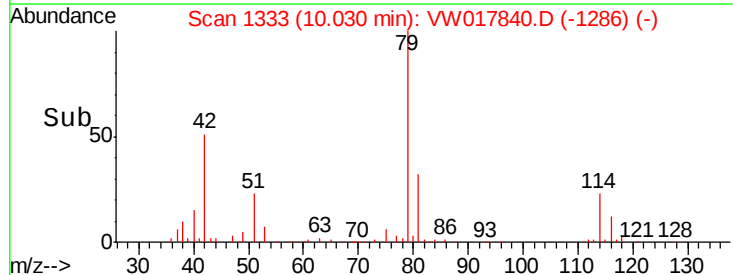
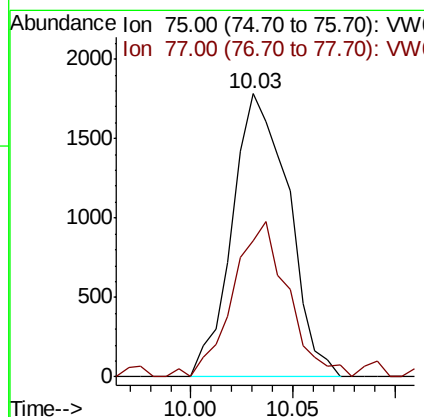
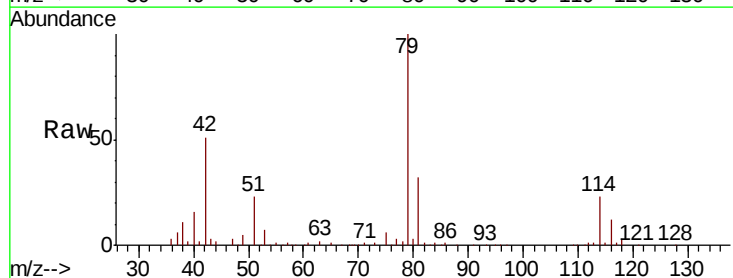
Instrument :
 MSVOA_W
 ClientSampled :

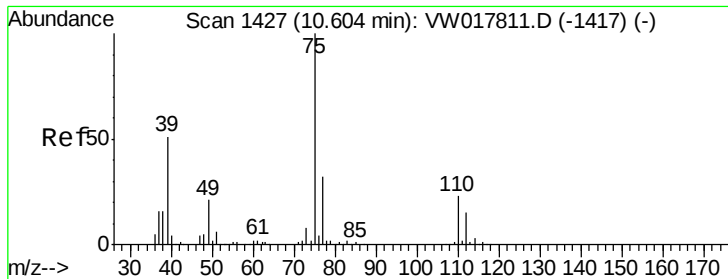
Tot Ion: 63 Resp: 11722
 Ion Ratio Lower Upper
 63 100
 112 0.5 3.6 5.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.695 ug/L
 RT: 10.03 min Scan# 1333
 Delta R.T. -0.04 min
 Lab File: VW017840.D
 Acq: 12 Jan 2021 17:03

Tgt Ion: 75 Resp: 3416
 Ion Ratio Lower Upper
 75 100
 77 48.3 21.6 40.2#





#45

trans-1,3-Dichloropropene

Concen: 0.462 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW017840.D

Acq: 12 Jan 2021 17:03

Instrument :

MSVOA_W

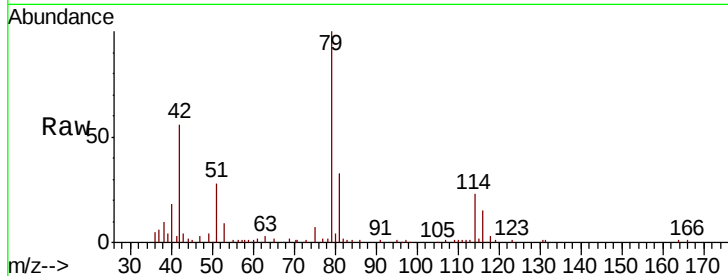
ClientSampleId :

Tot Ion: 75 Resp: 1932

Ion Ratio Lower Upper

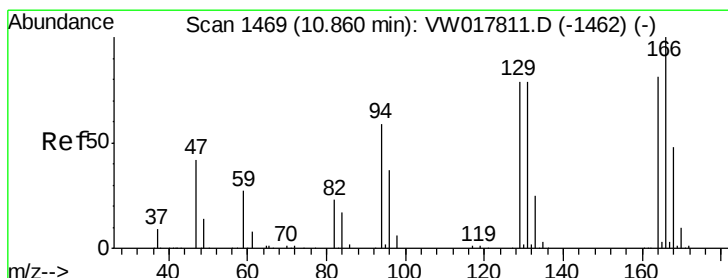
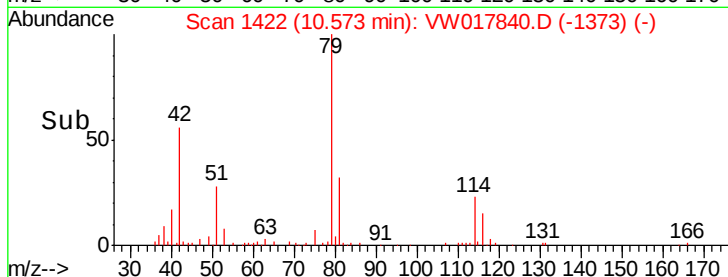
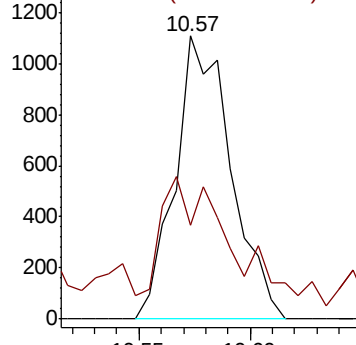
75 100

77 33.2 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#47

Tetrachloroethene

Concen: 21.919 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW017840.D

Acq: 12 Jan 2021 17:03

Tgt Ion: 164 Resp: 61894

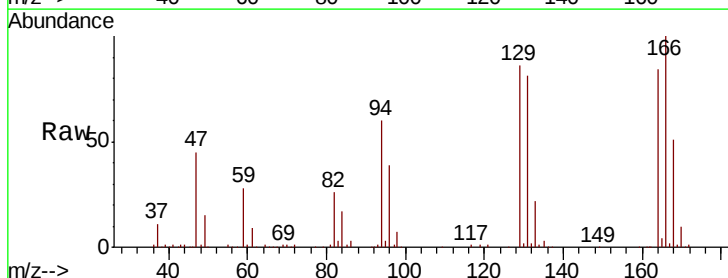
Ion Ratio Lower Upper

164 100

129 102.6 62.9 116.9

131 97.5 63.8 118.6

166 119.7 87.4 162.2

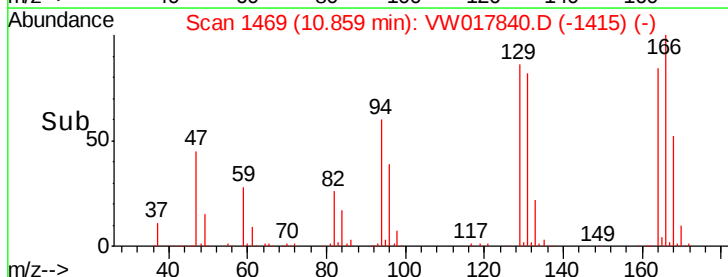
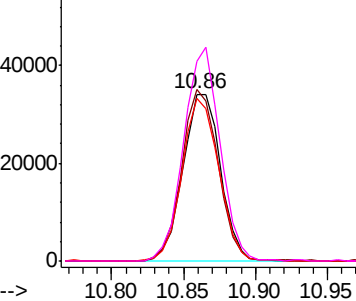


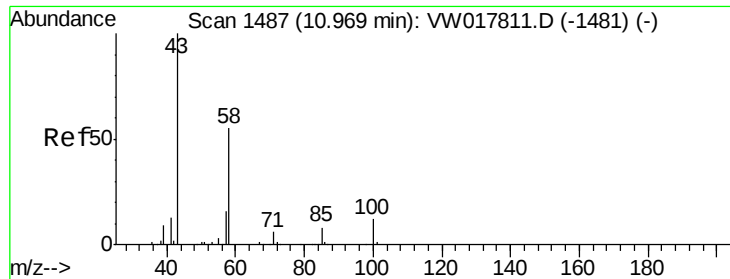
Abundance Ion 164.00 (163.70 to 164.70): V

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

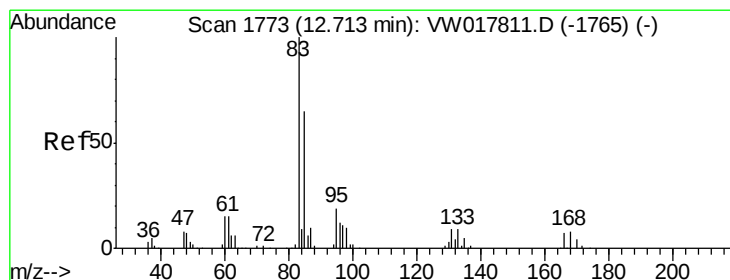
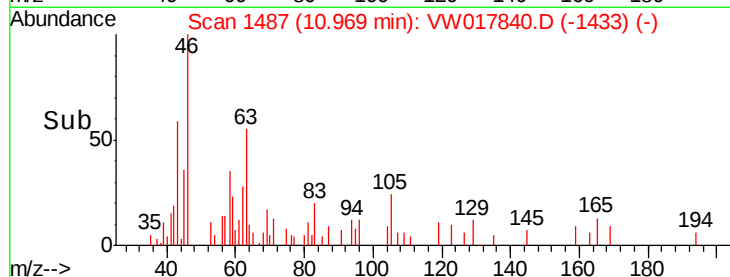
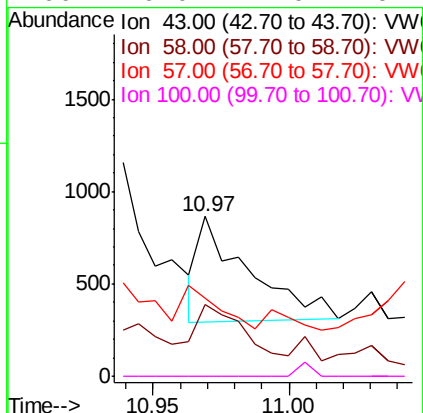
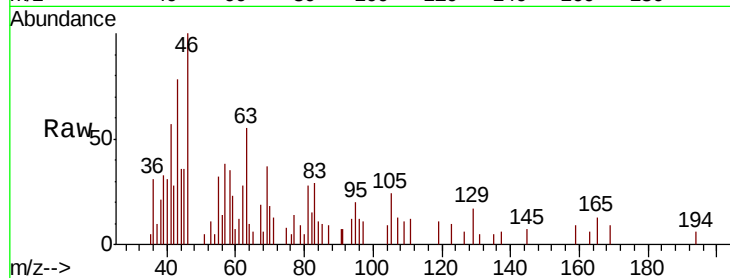




#49
2-Hexanone
Concen: 0.704 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017840.D
Acq: 12 Jan 2021 17:03

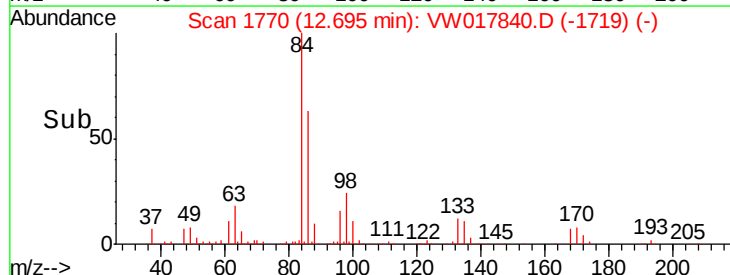
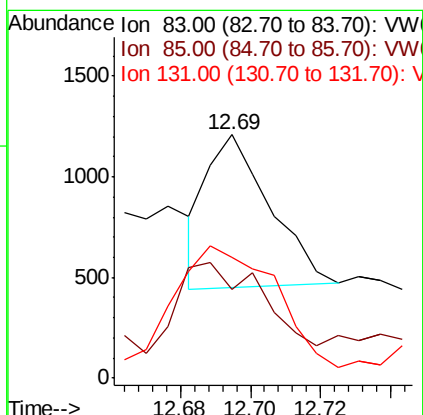
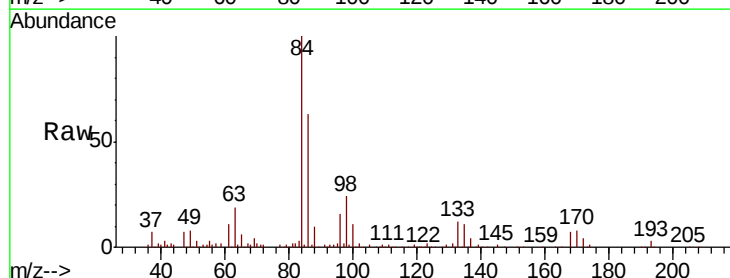
Instrument :
MSVOA_W
ClientSampleId :

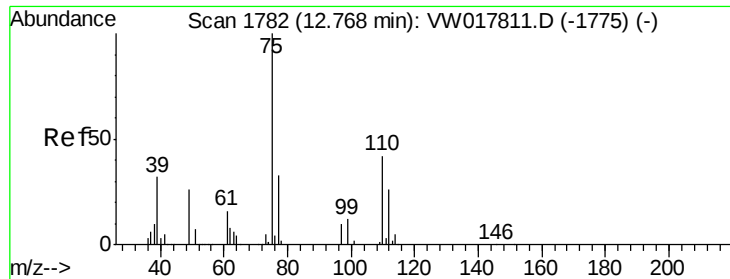
Tot Ion: 43 Resp: 748
Ion Ratio Lower Upper
43 100
58 79.0 44.2 66.4#
57 29.3 16.1 24.1#
100 0.0 11.0 16.4#



#58
1,1,2,2-Tetrachloroethane
Concen: 0.370 ug/L
RT: 12.69 min Scan# 1770
Delta R.T. -0.02 min
Lab File: VW017840.D
Acq: 12 Jan 2021 17:03

Tgt Ion: 83 Resp: 946
Ion Ratio Lower Upper
83 100
85 36.6 45.6 84.8#
131 49.8 7.8 11.8#





#59

1,2,3-Trichloropropane

Concen: 7.964 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017840.D

Acq: 12 Jan 2021 17:03

Instrument :

MSVOA_W

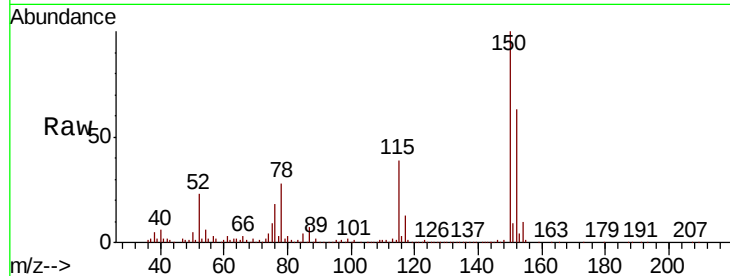
ClientSampleId :

Tot Ion: 75 Resp: 14960

Ion Ratio Lower Upper

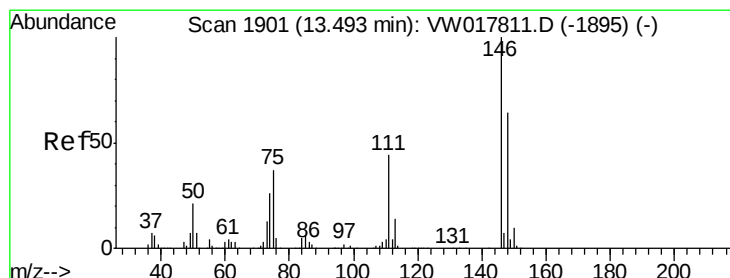
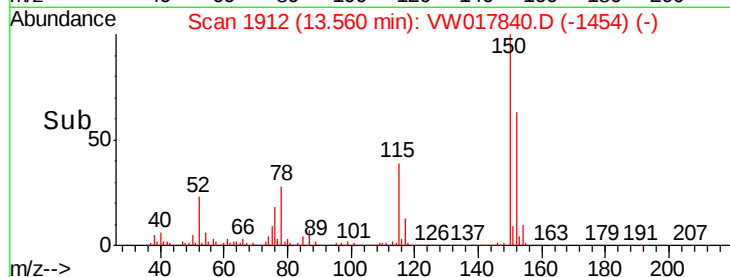
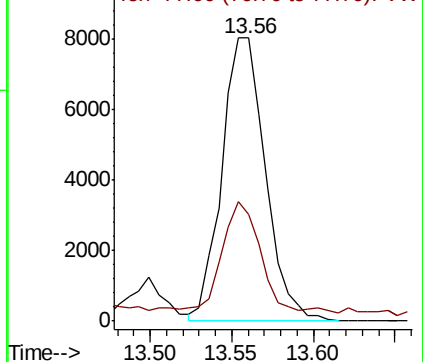
75 100

77 32.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#63

1,3-Dichlorobenzene

Concen: 0.882 ug/L

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW017840.D

Acq: 12 Jan 2021 17:03

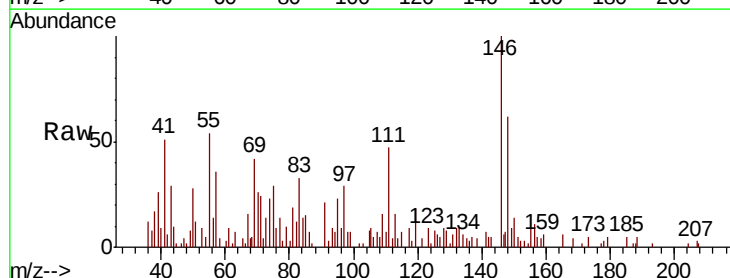
Tgt Ion: 146 Resp: 5201

Ion Ratio Lower Upper

146 100

111 47.2 29.5 54.7

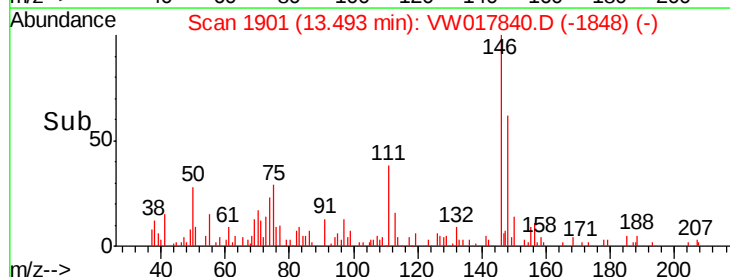
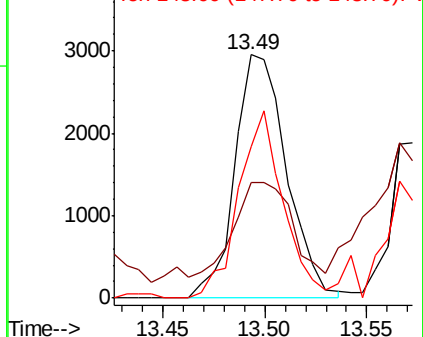
148 62.1 47.7 88.5

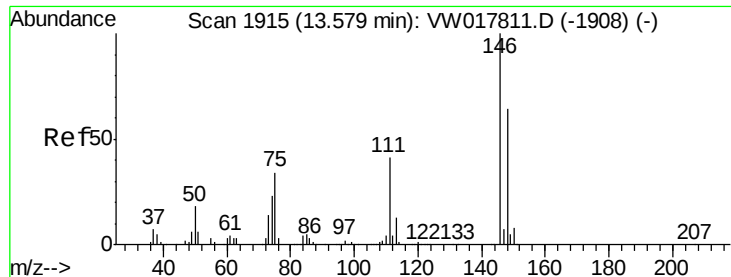


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

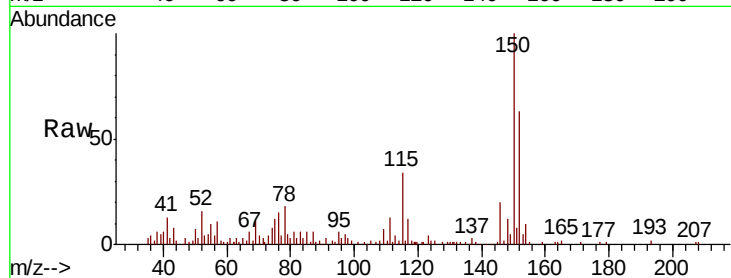




#64
 1,4-Dichlorobenzene
 Concen: 0.729 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017840.D
 Acq: 12 Jan 2021 17:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	66.9	27.7	51.5#
148	60.6	44.2	82.2



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

