

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 :
 F1C03

Quant Time: Jan 13 04:56:18 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

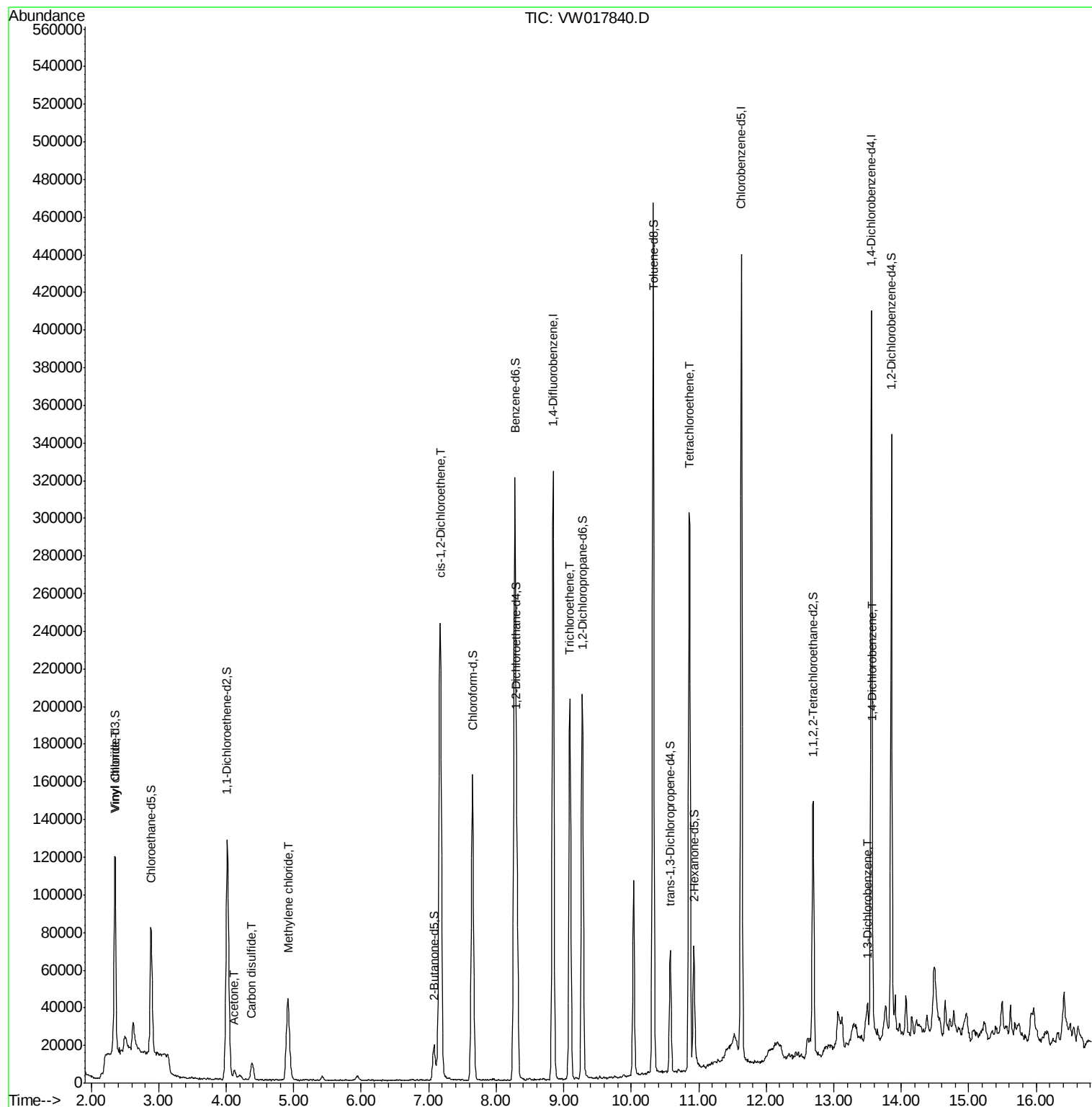
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.36	62	16389	3.786	ug/L	83
13) Acetone	4.12	43	8307	14.714	ug/L	86
14) Carbon disulfide	4.38	76	18736	1.953	ug/L	97
16) Methylene chloride	4.92	84	33800	9.066	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	142773	39.204	ug/L	98
35) Trichloroethene	9.09	95	66212	18.333	ug/L	97
47) Tetrachloroethene	10.86	164	61894	21.919	ug/L	92
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

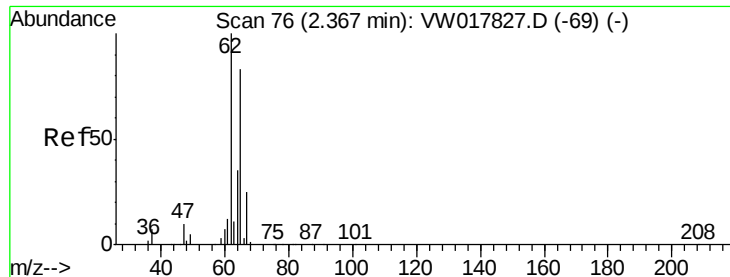
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

ClientSampleId :

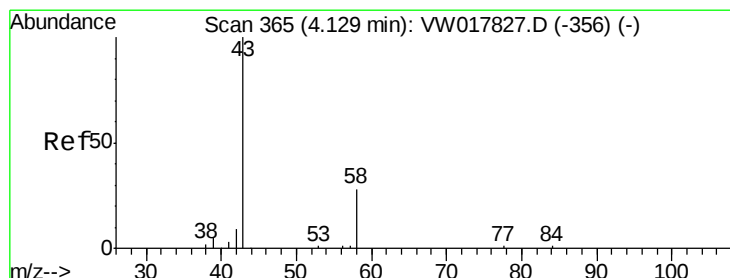
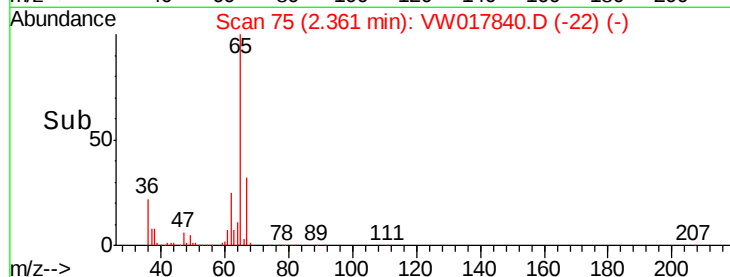
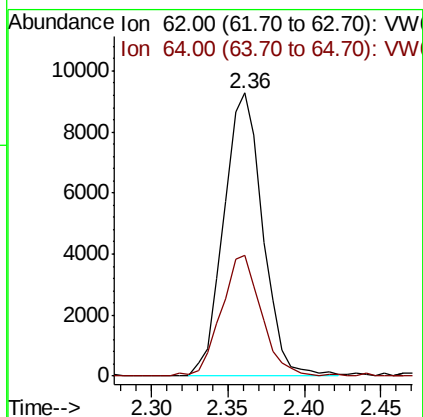
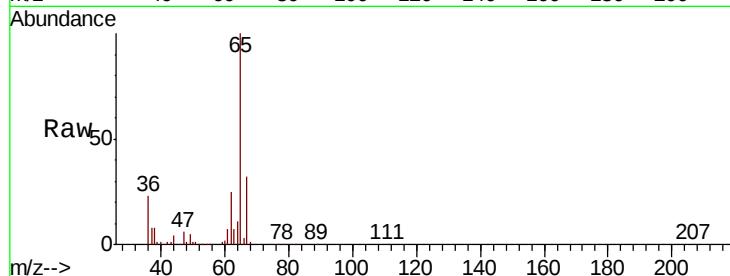
F1C03

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

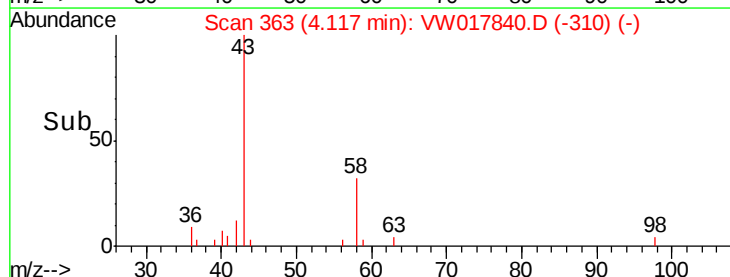
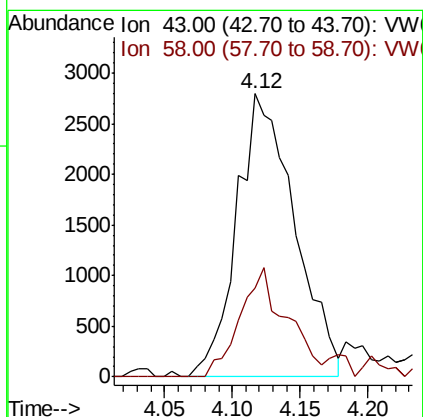
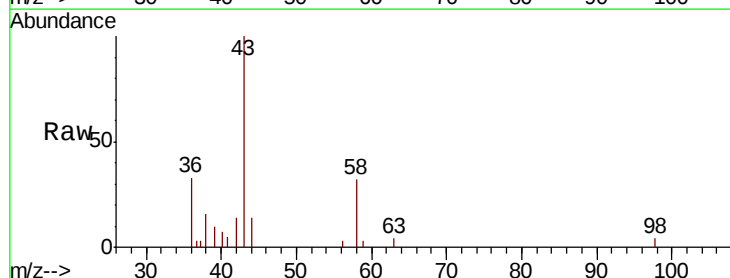
Acq: 12 Jan 2021 17:03

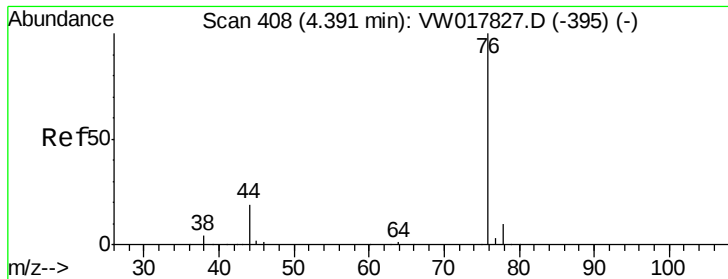
Tgt Ion: 43 Resp: 8307

Ion Ratio Lower Upper

43 100

58 23.0 0.0 60.8

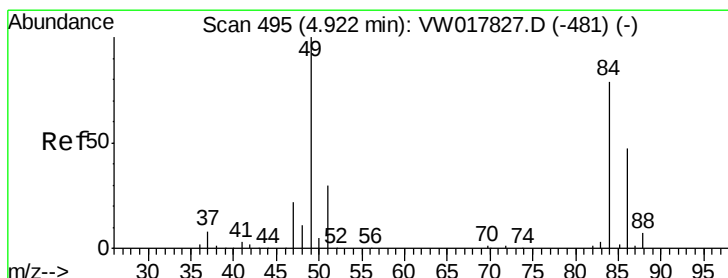
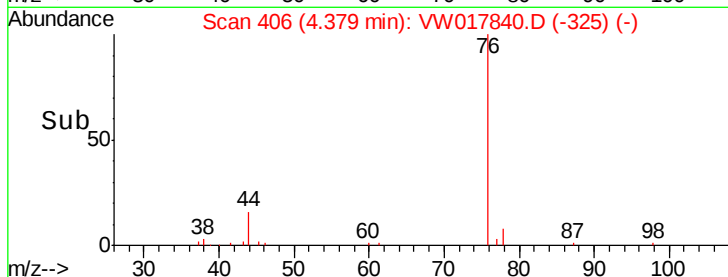
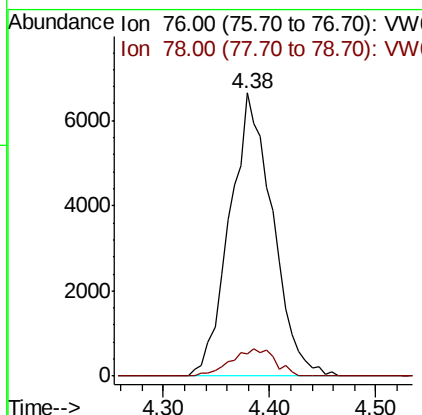
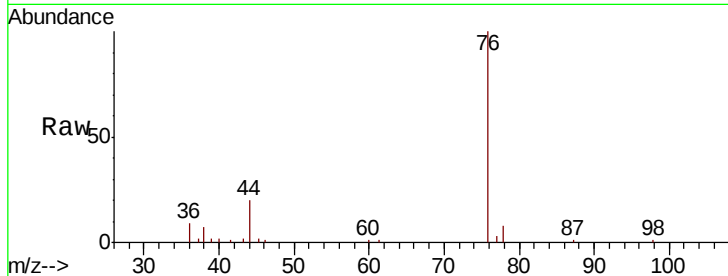




#14
Carbon disulfide
Concen: 1.953 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW017840.D
Acq: 12 Jan 2021 17:03

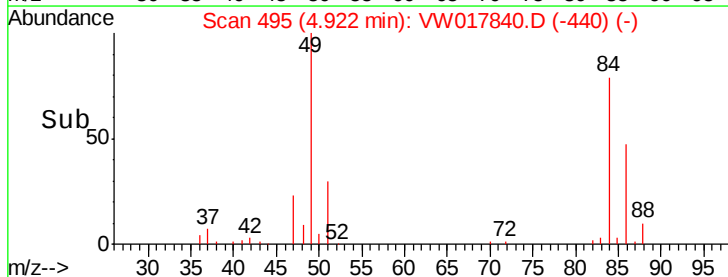
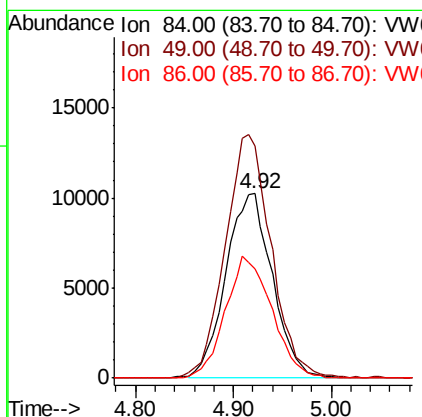
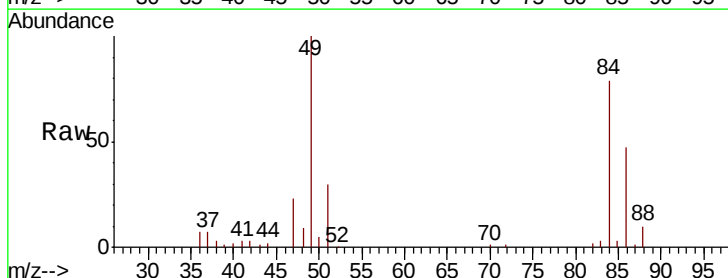
Instrument :
MSVOA_W
ClientSampled :
F1C03

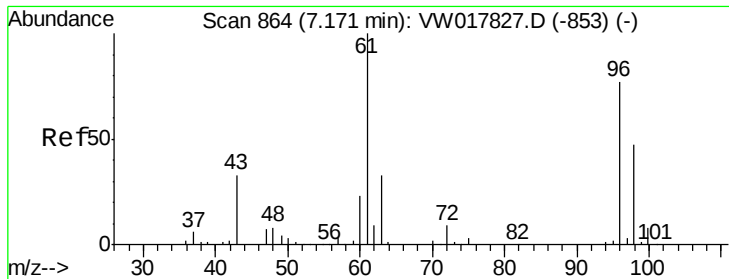
Tot Ion: 76 Resp: 18736
Ion Ratio Lower Upper
76 100
78 8.0 7.1 10.7



#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



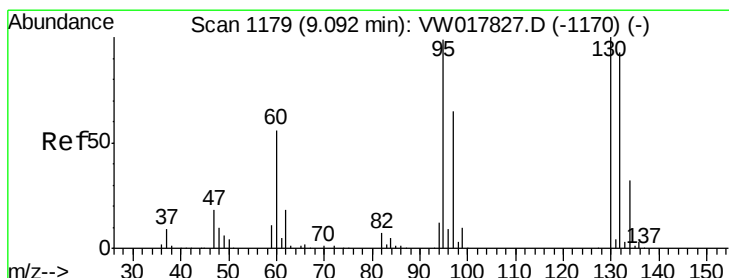
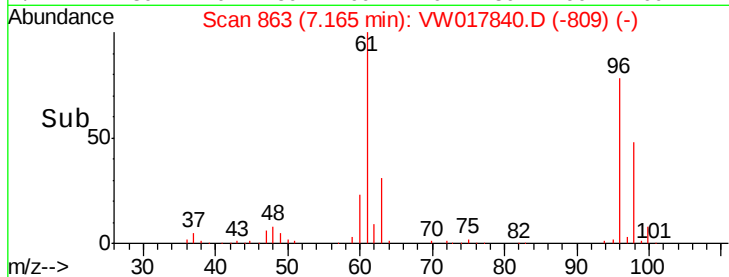
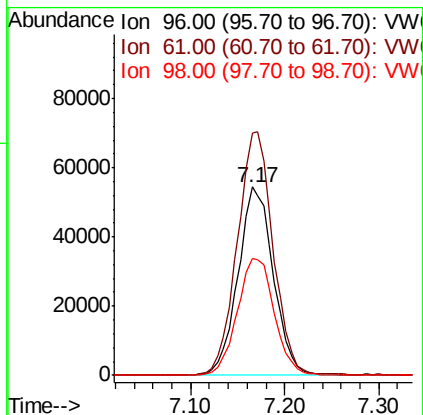
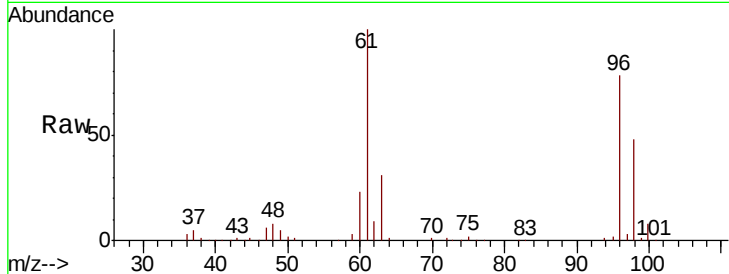


#22

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 :
 F1C03

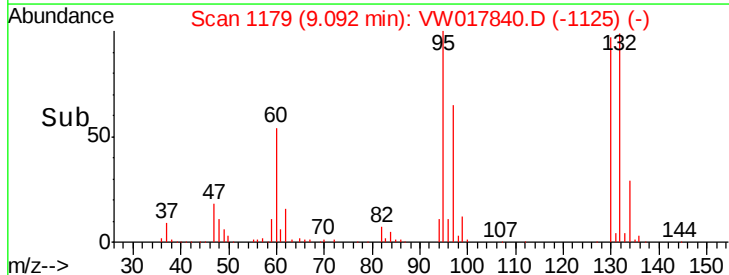
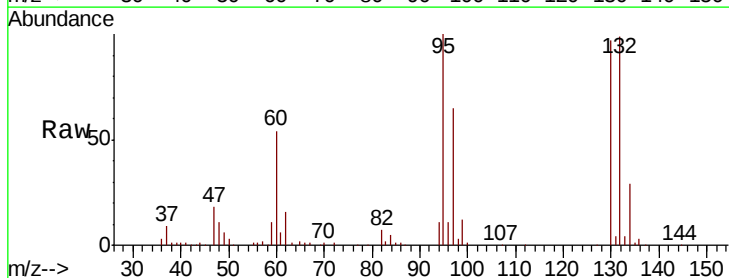
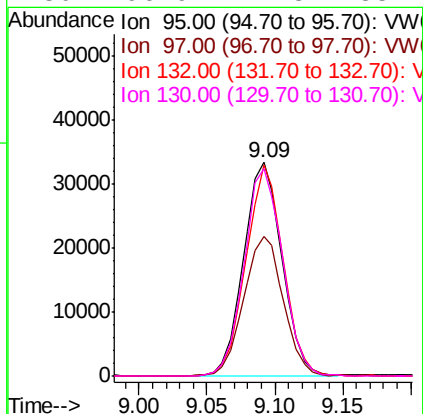
Tot Ion: 96 Resp: 142773
 Ion Ratio Lower Upper
 96 100
 61 128.8 88.2 163.8
 98 62.1 43.7 81.1

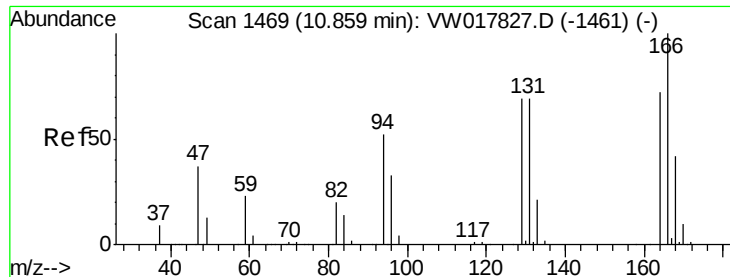


#35

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





#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

Instrument :

MSVOA_W

ClientSampleId :

F1C03

Tot Ion:164 Resp: 61894

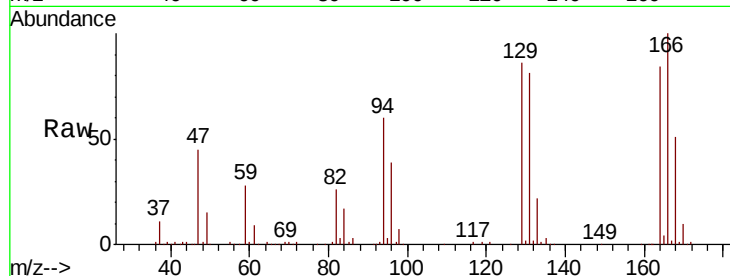
Ion Ratio Lower Upper

164 100

129 102.6 62.9 116.9

131 97.5 63.8 118.6

166 119.7 87.4 162.2

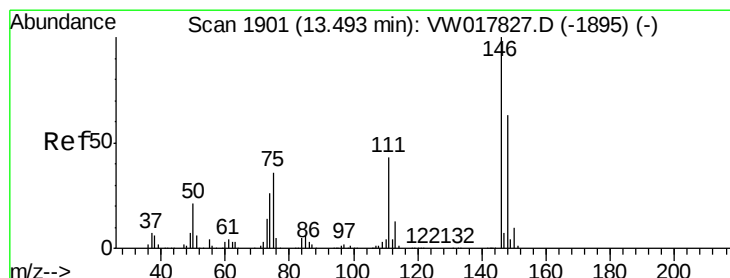
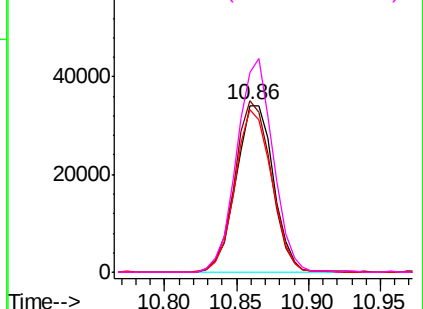
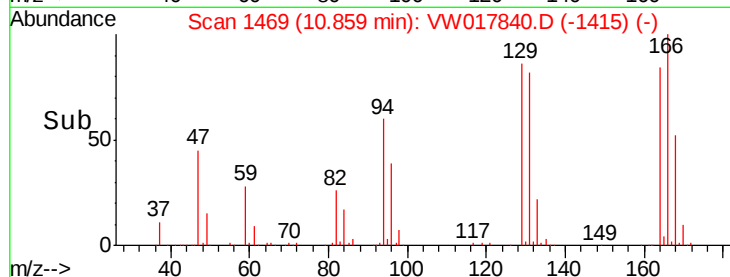


Abundance Ion 164.00 (163.70 to 164.70): V

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



#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

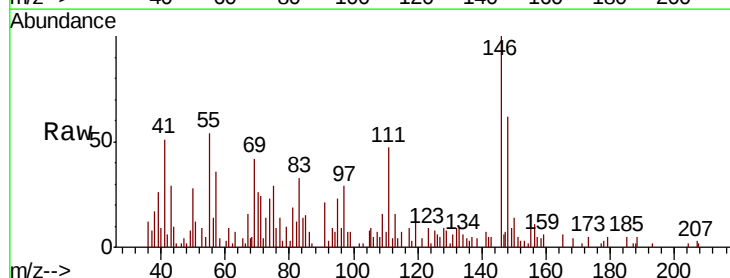
Tgt Ion:146 Resp: 5201

Ion Ratio Lower Upper

146 100

111 47.2 29.5 54.7

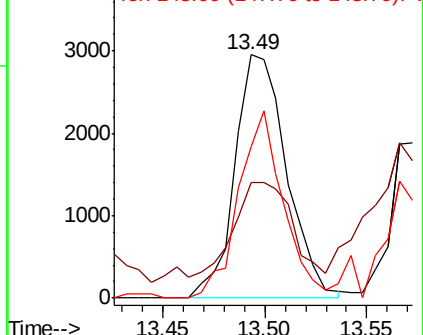
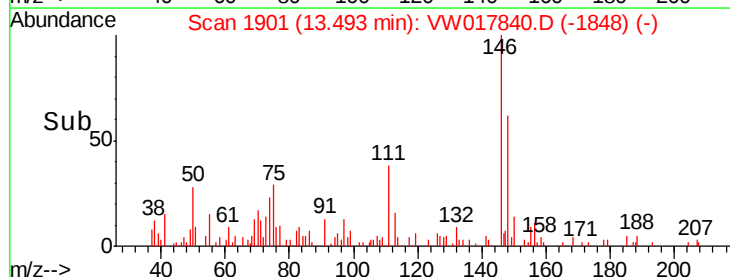
148 62.1 47.7 88.5

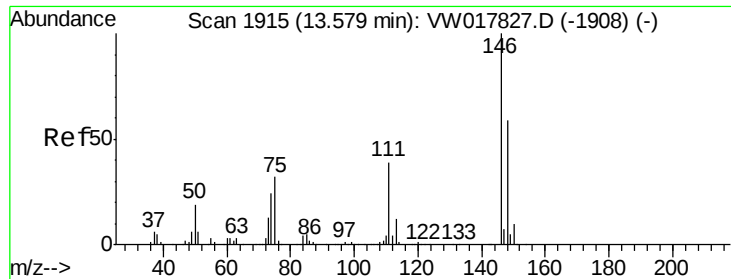


Abundance Ion 146.00 (145.70 to 146.70): V

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 :
 F1C03

Tot Ion:146 Resp: 4322
 Ion Ratio Lower Upper
 146 100
 111 66.9 27.7 51.5#
 148 60.6 44.2 82.2

