

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017904.D
 Acq On : 15 Jan 2021 17:46
 Operator : SY/VA
 Sample : M1099-15
 Misc : 5.52G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 18 02:09:52 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	150879	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	115572	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	34380	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	60204	25.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.16%
7) Chloroethane-d5	2.89	69	49942	25.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.68%
10) 1,1-Dichloroethene-d2	4.01	63	75883	18.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.64%
20) 2-Butanone-d5	7.07	46	28485	75.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	150.56%#
24) Chloroform-d	7.65	84	100315	25.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.76%
26) 1,2-Dichloroethane-d4	8.31	65	65347	32.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	128.08%
29) Benzene-d6	8.27	84	194965	29.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	119.80%
33) 1,2-Dichloropropane-d6	9.27	67	59476	33.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	132.56%#
37) Toluene-d8	10.32	98	156341	25.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.00%
38) trans-1,3-Dichloropropene-	10.57	79	21164	26.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.84%
39) 2-Hexanone-d5	10.93	63	17601	78.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	156.20%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	46130	34.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	138.52%#
61) 1,2-Dichlorobenzene-d4	13.85	152	31630	26.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.68%

Target Compounds

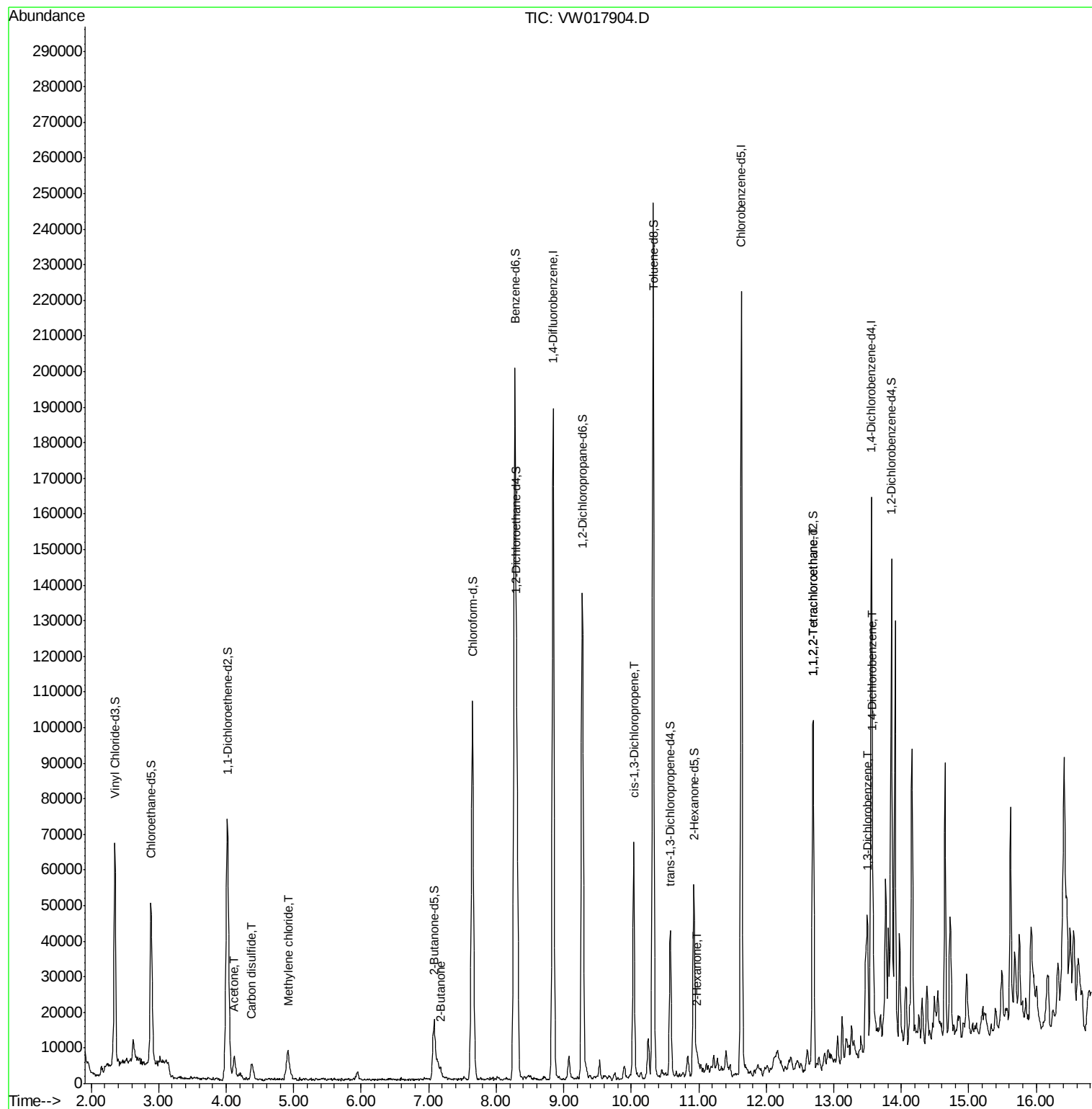
					Ovalue
13) Acetone	4.12	43	10807	33.076	ug/L 94
14) Carbon disulfide	4.39	76	9568	1.723	ug/L 99
16) Methylene chloride	4.91	84	5535	2.565	ug/L 83
21) 2-Butanone	7.18	43	1278	2.908	ug/L 77
42) cis-1,3-Dichloropropene	10.04	75	2150	0.864	ug/L # 54
49) 2-Hexanone	10.98	43	413	0.768	ug/L # 75
58) 1,1,2,2-Tetrachloroethane	12.70	83	603	0.466	ug/L # 74
63) 1,3-Dichlorobenzene	13.50	146	10703	5.044	ug/L 92
64) 1,4-Dichlorobenzene	13.58	146	9552	4.479	ug/L 91

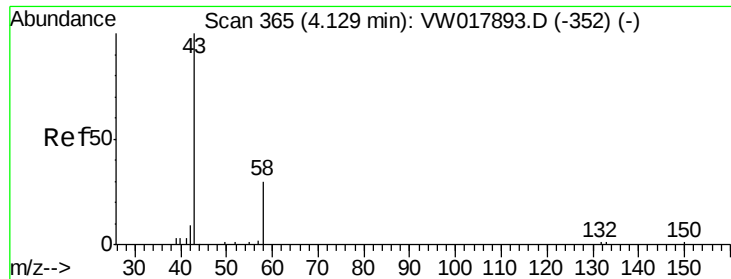
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 33.076 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017904.D

Acq: 15 Jan 2021 17:46

Instrument :

MSVOA_W

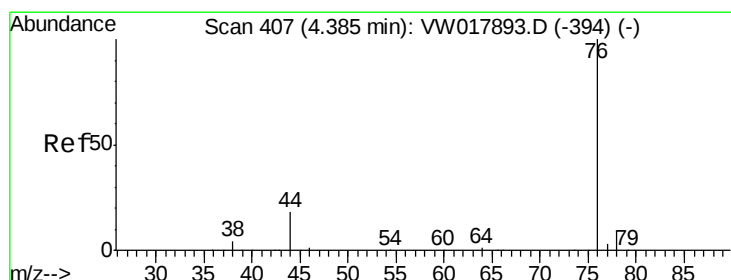
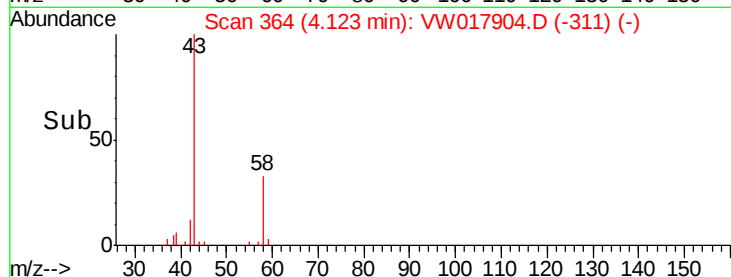
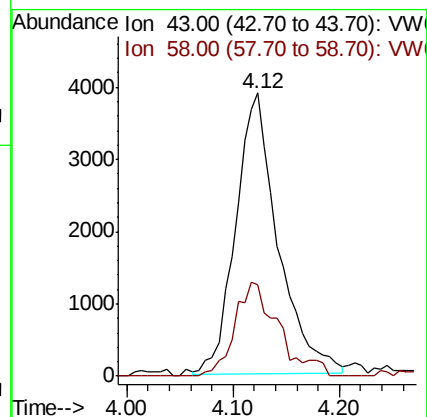
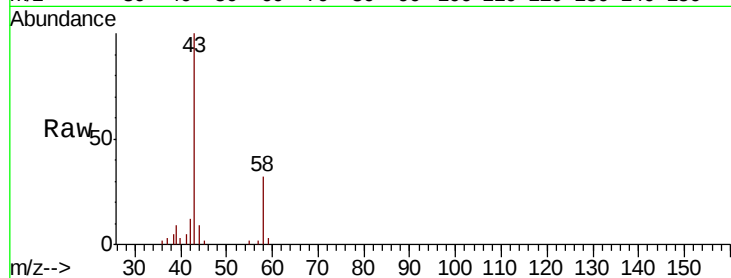
ClientSampleId :

Tot Ion: 43 Resp: 10807

Ion Ratio Lower Upper

43 100

58 30.9 0.0 68.4



#14

Carbon disulfide

Concen: 1.723 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW017904.D

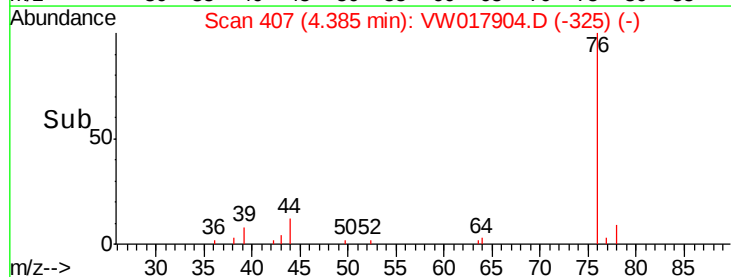
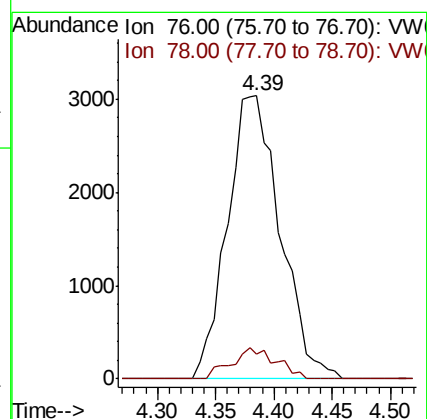
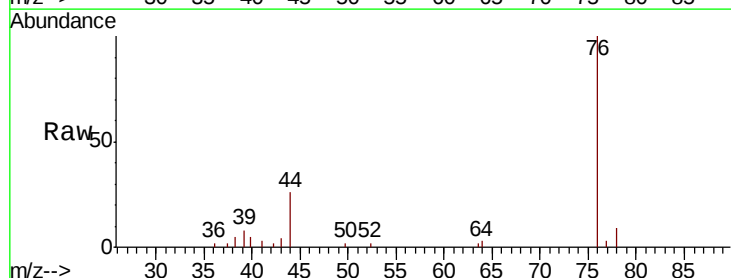
Acq: 15 Jan 2021 17:46

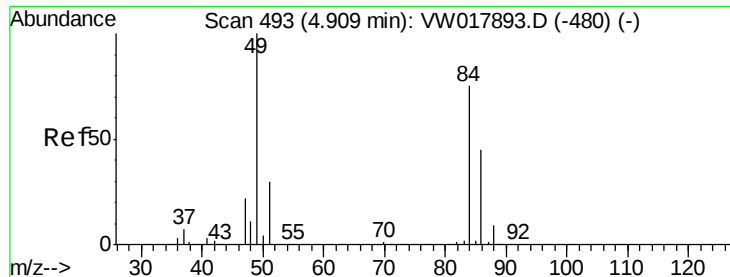
Tgt Ion: 76 Resp: 9568

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

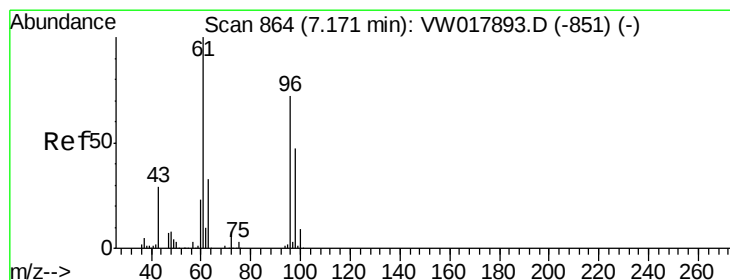
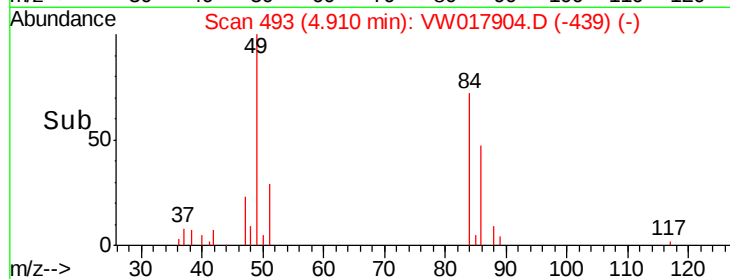
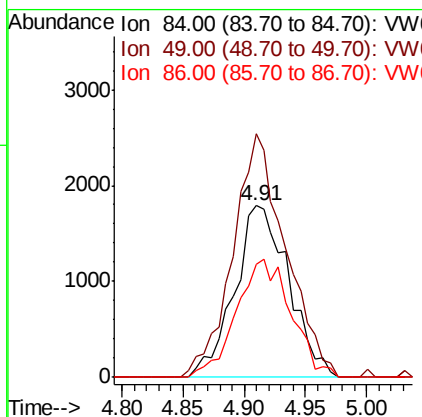
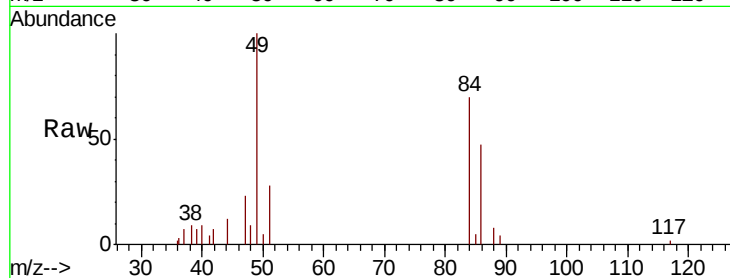




#16
Methylene chloride
Concen: 2.565 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW017904.D
Acq: 15 Jan 2021 17:46

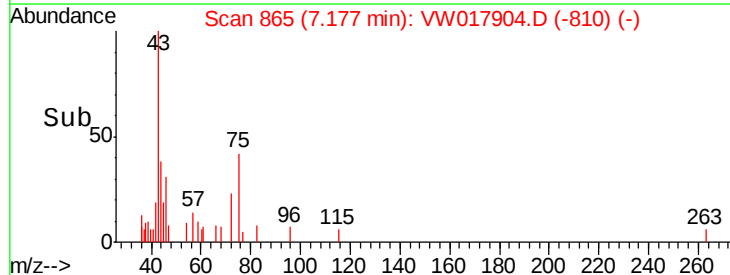
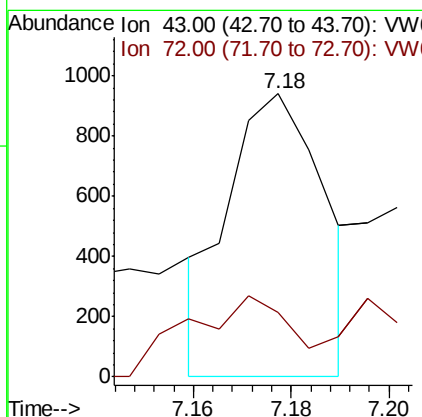
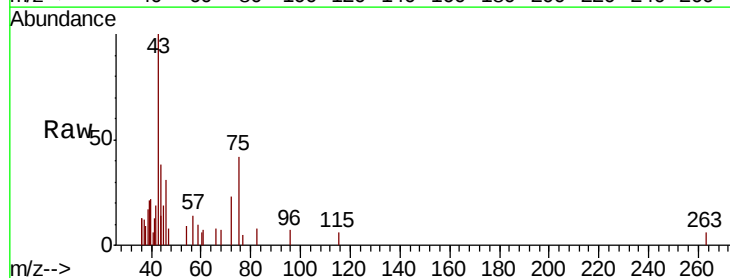
Instrument :
MSVOA_W
ClientSampled :

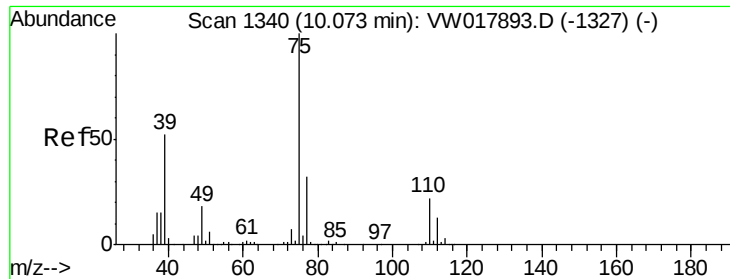
Tot Ion: 84 Resp: 5535
Ion Ratio Lower Upper
84 100
49 142.0 81.2 150.8
86 66.1 44.5 82.7



#21
2-Butanone
Concen: 2.908 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW017904.D
Acq: 15 Jan 2021 17:46

Tgt Ion: 43 Resp: 1278
Ion Ratio Lower Upper
43 100
72 16.6 14.4 43.2





#42

cis-1,3-Dichloropropene

Concen: 0.864 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017904.D

Acq: 15 Jan 2021 17:46

Instrument :

MSVOA_W

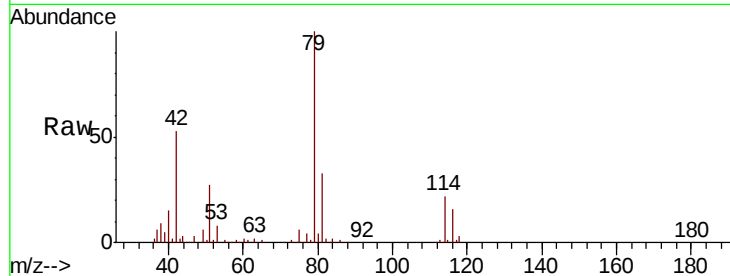
ClientSampled :

Tot Ion: 75 Resp: 2150

Ion Ratio Lower Upper

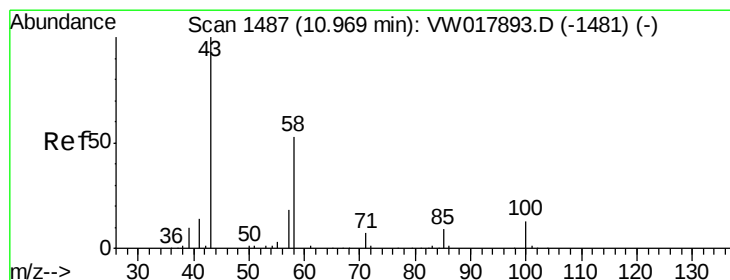
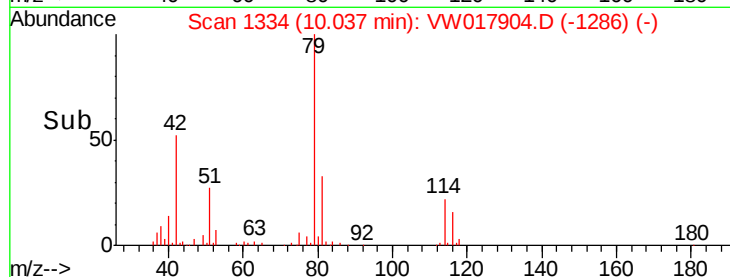
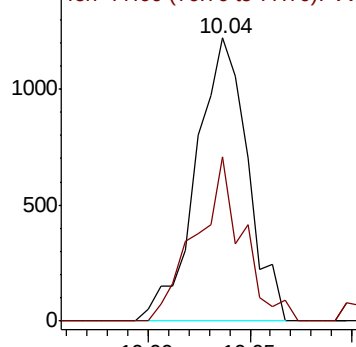
75 100

77 58.1 22.7 42.3#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#49

2-Hexanone

Concen: 0.768 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW017904.D

Acq: 15 Jan 2021 17:46

Tgt Ion: 43 Resp: 413

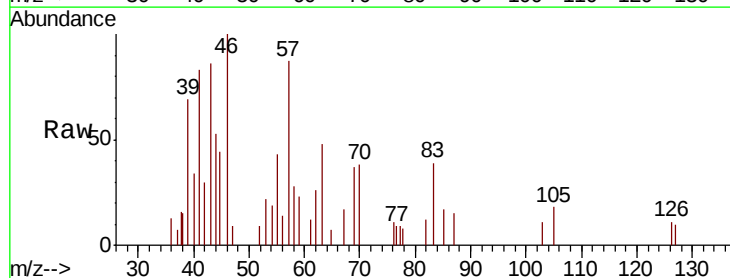
Ion Ratio Lower Upper

43 100

58 82.1 51.3 76.9#

57 0.0 15.0 22.6#

100 9.9 12.2 18.2#

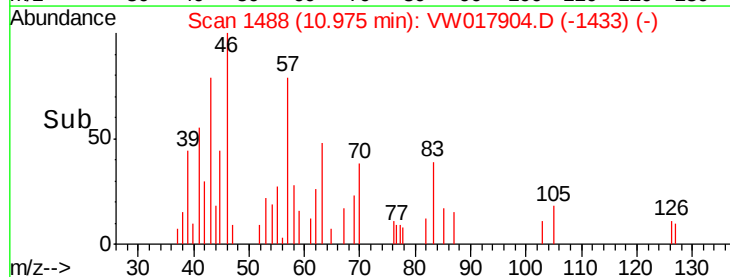
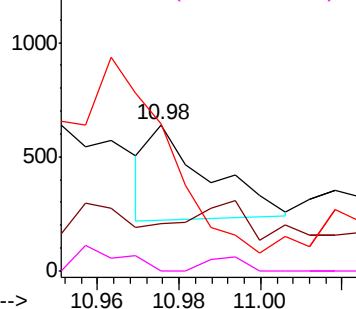


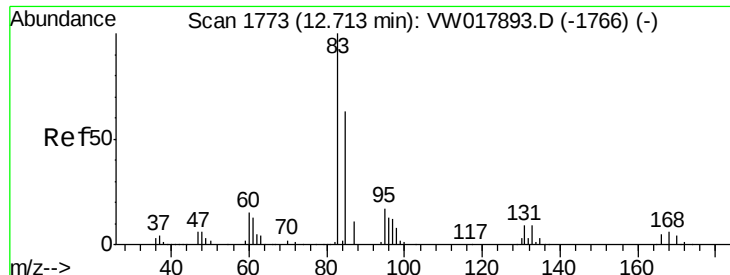
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 0.466 ug/L

RT: 12.70 min Scan# 1771

Delta R.T. -0.01 min

Lab File: VW017904.D

Acq: 15 Jan 2021 17:46

Instrument :

MSVOA_W

ClientSampleId :

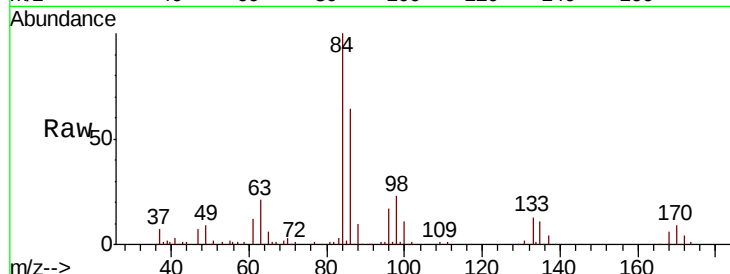
Tot Ion: 83 Resp: 603

Ion Ratio Lower Upper

83 100

85 63.7 45.3 84.1

131 77.7 8.3 12.5#

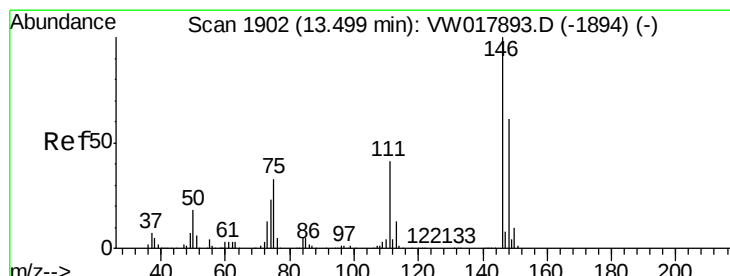
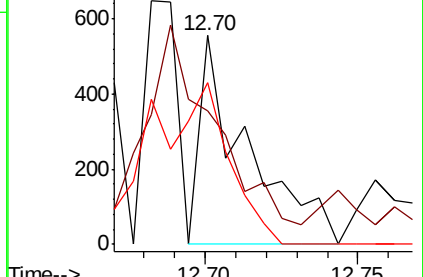
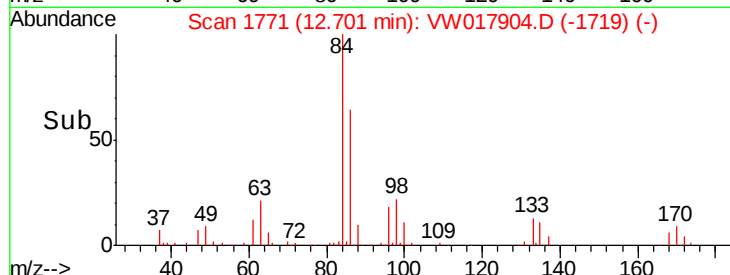


Abundance Ion 83.00 (82.70 to 83.70): VW017893.D (-1766) (-)

Ion 85.00 (84.70 to 85.70): VW017893.D (-1766) (-)

Ion 131.00 (130.70 to 131.70): VW017893.D (-1766) (-)

Time-->



#63

1,3-Dichlorobenzene

Concen: 5.044 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017904.D

Acq: 15 Jan 2021 17:46

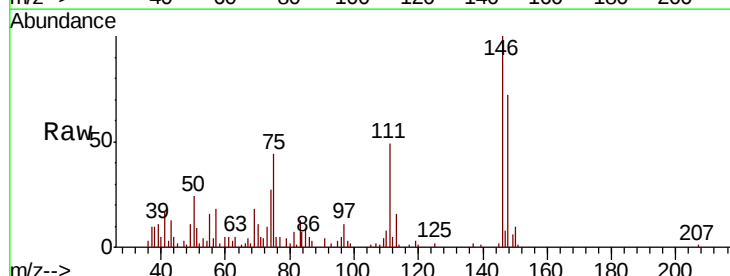
Tgt Ion: 146 Resp: 10703

Ion Ratio Lower Upper

146 100

111 48.5 28.5 52.9

148 72.3 47.8 88.8

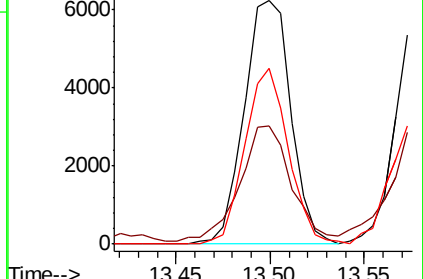
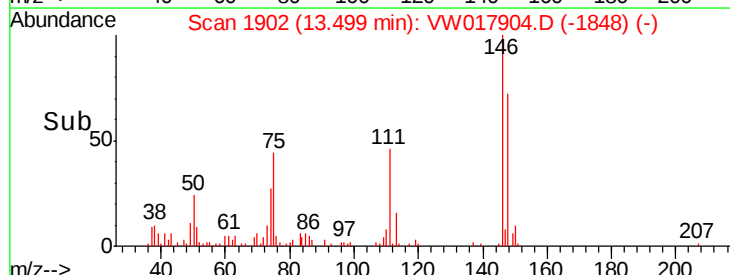


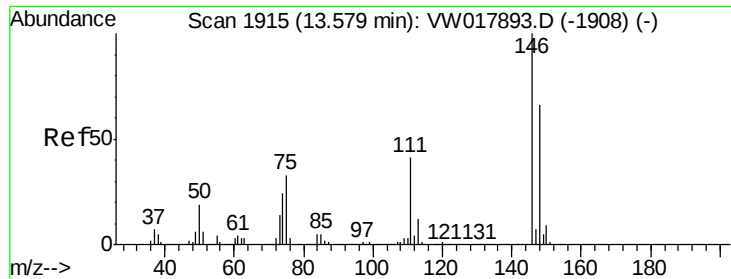
Abundance Ion 146.00 (145.70 to 146.70): VW017893.D (-1894) (-)

Ion 111.00 (110.70 to 111.70): VW017893.D (-1894) (-)

Ion 148.00 (147.70 to 148.70): VW017893.D (-1894) (-)

Time-->





#64

1,4-Dichlorobenzene

Concen: 4.479 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW017904.D

Acq: 15 Jan 2021 17:46

Instrument :

MSVOA_W

ClientSampleId :

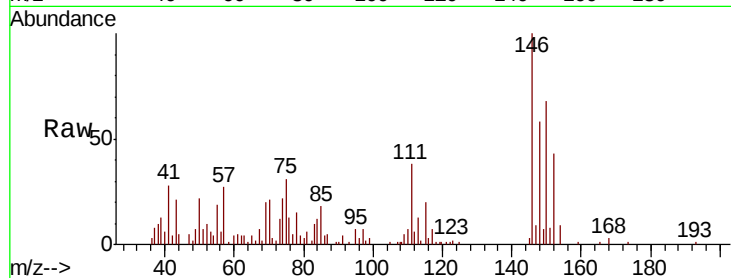
Tot Ion:146 Resp: 9552

Ion Ratio Lower Upper

146 100

111 37.6 27.7 51.5

148 57.6 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

