

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011321\
 Data File : VW017855.D
 Acq On : 13 Jan 2021 18:16
 Operator : SY/VA
 Sample : M1132-06
 Misc : 5.45G/10ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1A05

Quant Time: Jan 14 11:43:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 14 11:39:57 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	319457	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	272278	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	103295	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	125395	25.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.48%
7) Chloroethane-d5	2.89	69	102983	25.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.00%
10) 1,1-Dichloroethene-d2	4.02	63	160493	18.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.56%
20) 2-Butanone-d5	7.07	46	57467	71.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	143.46%#
24) Chloroform-d	7.65	84	216471	25.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.72%
26) 1,2-Dichloroethane-d4	8.31	65	133026	30.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	123.16%
29) Benzene-d6	8.27	84	419030	27.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.28%
33) 1,2-Dichloropropane-d6	9.27	67	127479	30.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.60%#
37) Toluene-d8	10.32	98	372480	25.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.16%
38) trans-1,3-Dichloropropene-	10.58	79	50334	26.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.84%
39) 2-Hexanone-d5	10.93	63	39277	73.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	147.96%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	101748	32.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	129.68%#
61) 1,2-Dichlorobenzene-d4	13.85	152	92238	25.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.56%

Target Compounds

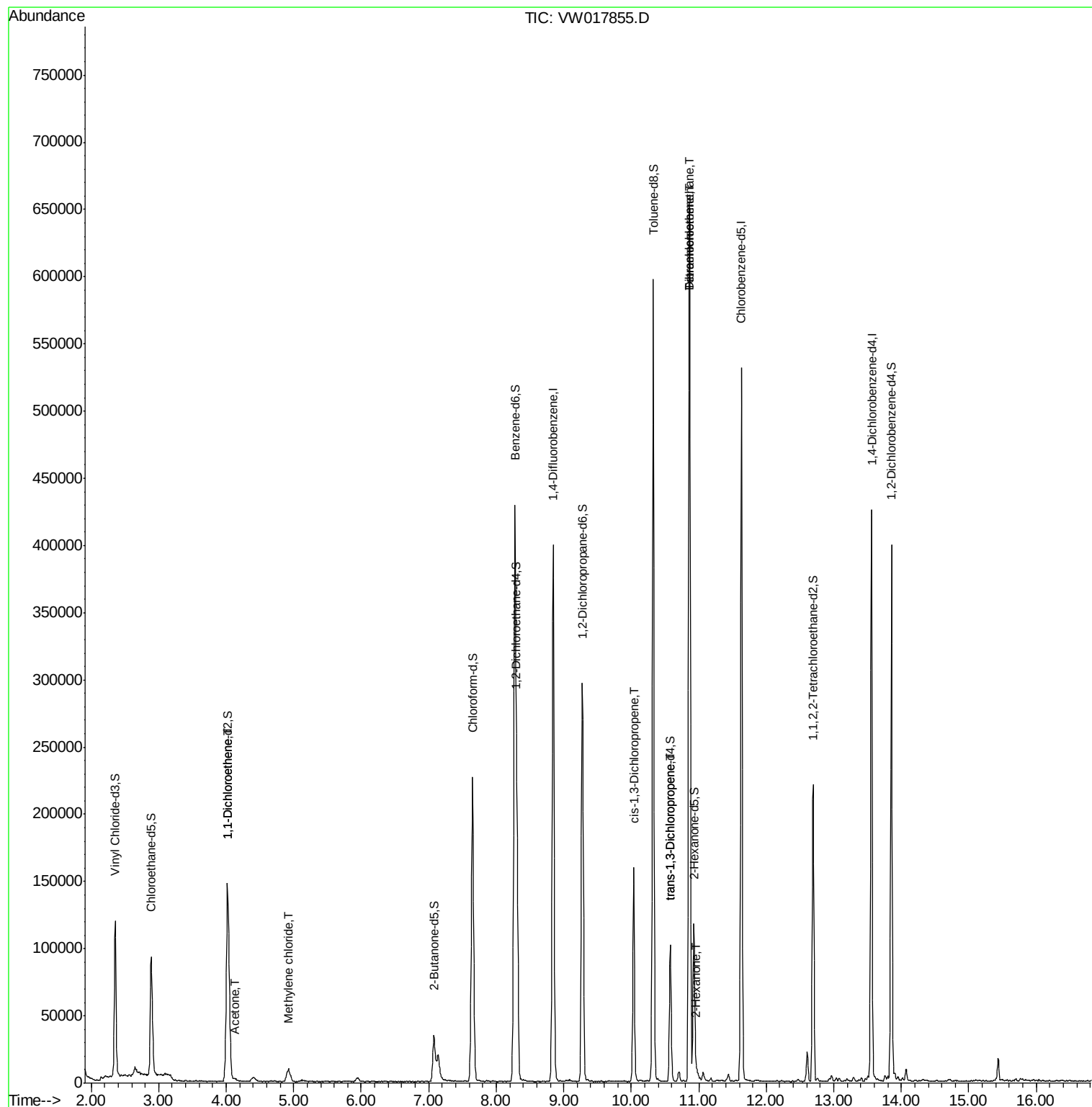
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.03	96	1117	0.284	ug/L #	1
13) Acetone	4.14	43	2719	3.930	ug/L	70
16) Methylene chloride	4.92	84	5159	1.129	ug/L	97
42) cis-1,3-Dichloropropene	10.04	75	4637	0.791	ug/L #	73
45) trans-1,3-Dichloropropene	10.58	75	2986	0.598	ug/L #	69
47) Tetrachloroethene	10.86	164	128956	38.276	ug/L	95
49) 2-Hexanone	10.96	43	1892	1.494	ug/L #	91
50) Dibromochloromethane	10.87	129	133826	41.264	ug/L #	10

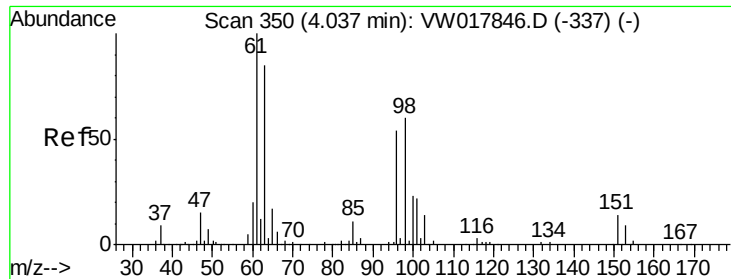
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 14 11:39:57 2021
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.284 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

Lab File: VW017855.D

Acq: 13 Jan 2021 18:16

Instrument :

MSVOA_W

ClientSampled :

F1A05

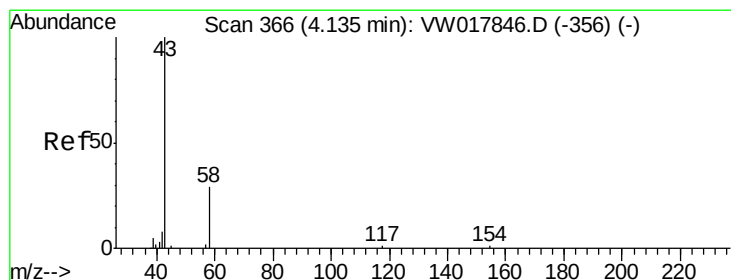
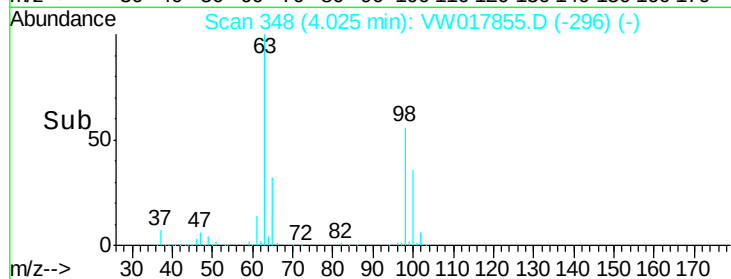
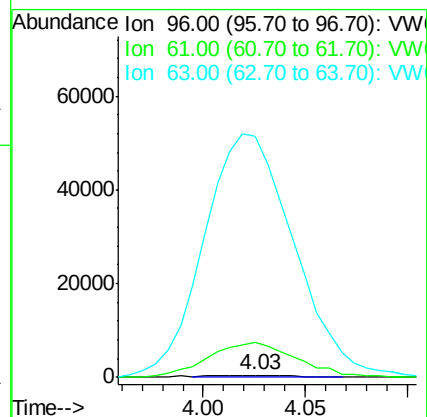
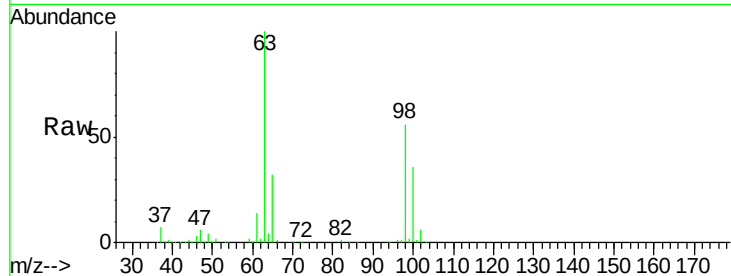
Tgt Ion: 96 Resp: 1117

Ion Ratio Lower Upper

96 100

61 1799.3 126.1 234.1#

63 12450.2 90.0 167.2#



#13

Acetone

Concen: 3.930 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW017855.D

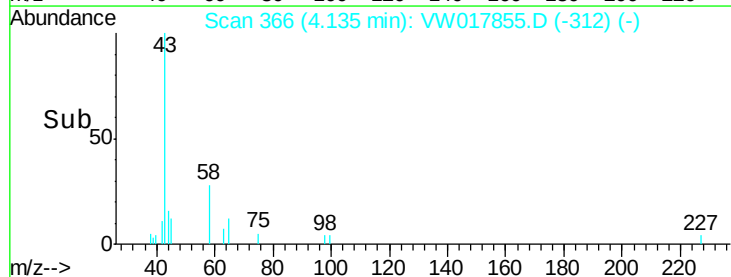
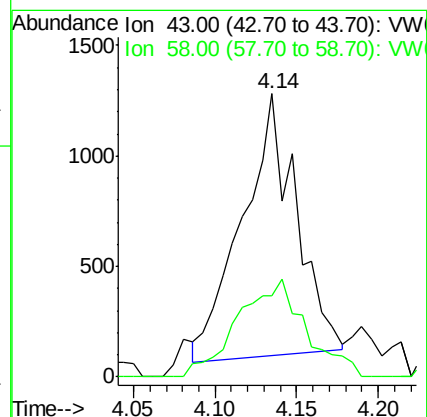
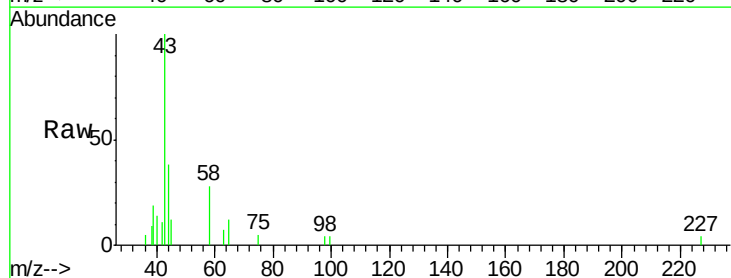
Acq: 13 Jan 2021 18:16

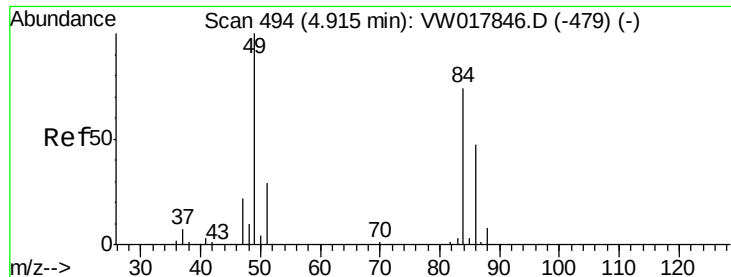
Tgt Ion: 43 Resp: 2719

Ion Ratio Lower Upper

43 100

58 47.0 0.0 60.8

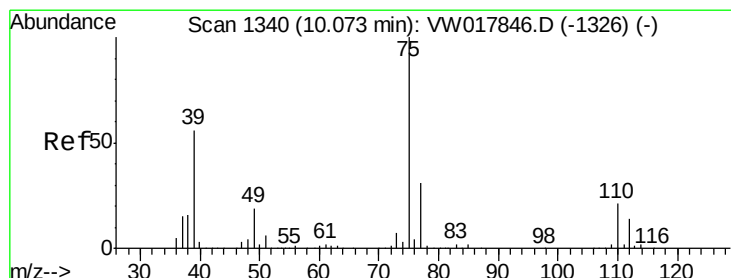
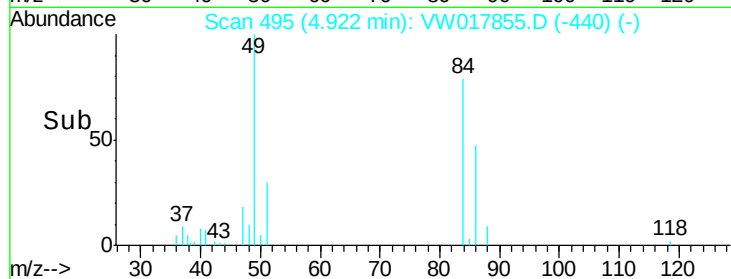
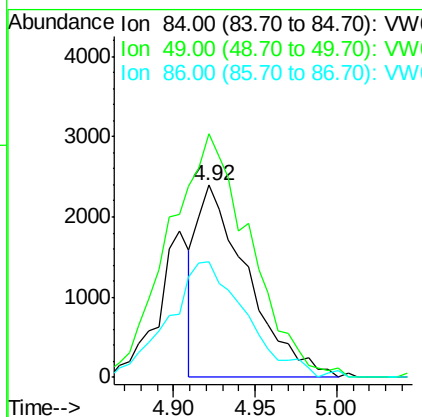
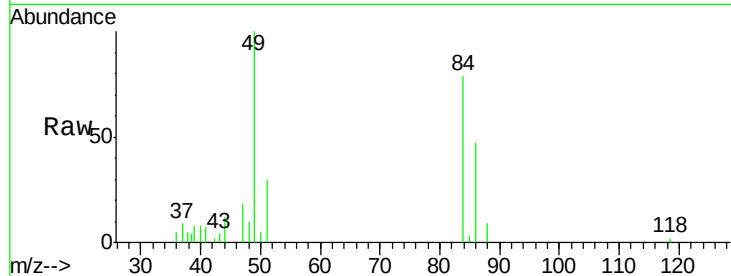




#16
Methylene chloride
Concen: 1.129 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017855.D
Acq: 13 Jan 2021 18:16

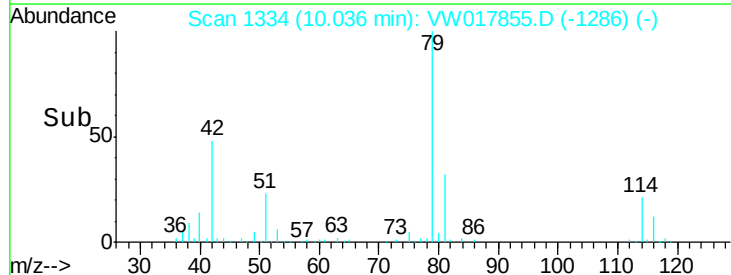
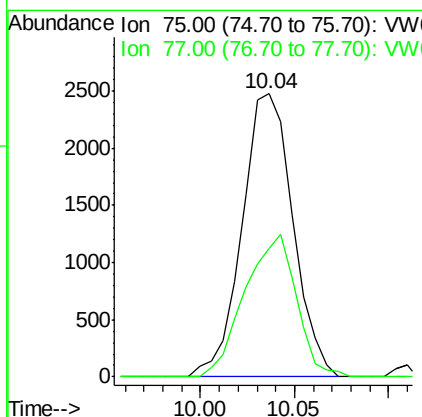
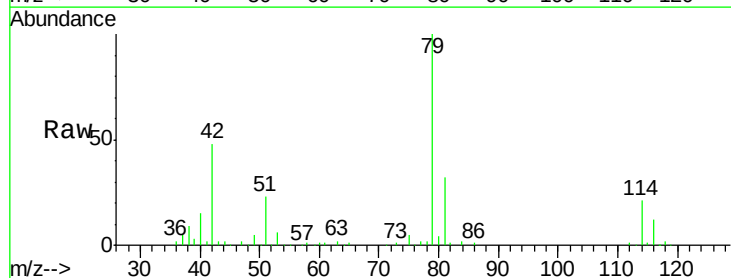
Instrument :
MSVOA_W
ClientSampled :
F1A05

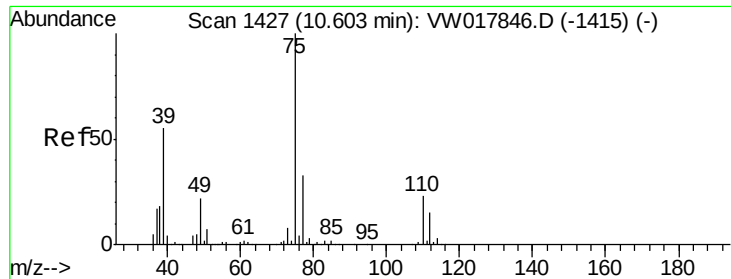
Tgt Ion: 84 Resp: 5159
Ion Ratio Lower Upper
84 100
49 126.8 90.5 168.1
86 60.0 44.8 83.2



#42
cis-1,3-Dichloropropene
Concen: 0.791 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW017855.D
Acq: 13 Jan 2021 18:16

Tgt Ion: 75 Resp: 4637
Ion Ratio Lower Upper
75 100
77 45.5 21.6 40.2#





#45

trans-1,3-Dichloropropene

Concen: 0.598 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017855.D

Acq: 13 Jan 2021 18:16

Instrument :

MSVOA_W

ClientSampled :

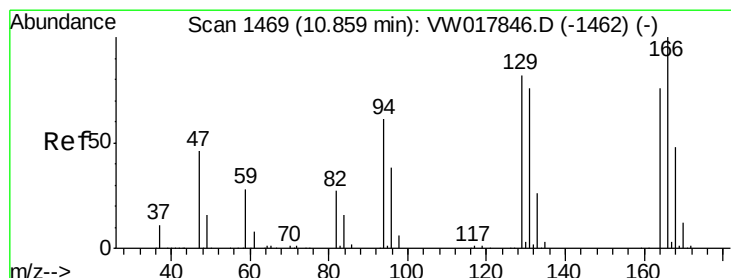
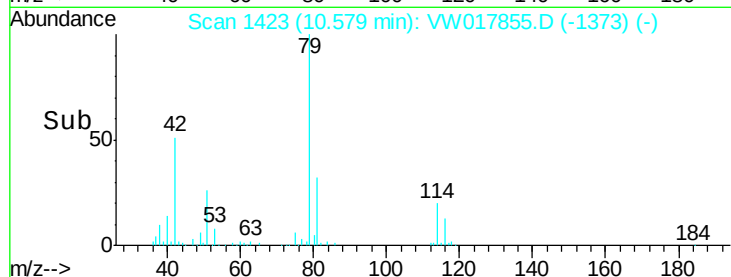
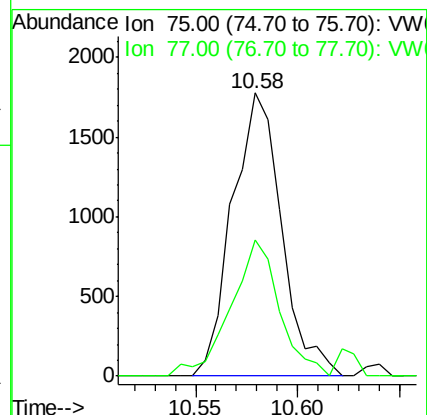
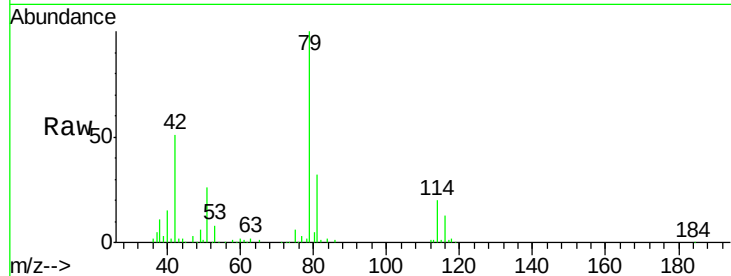
F1A05

Tgt Ion: 75 Resp: 2986

Ion Ratio Lower Upper

75 100

77 48.0 21.6 40.0#



#47

Tetrachloroethene

Concen: 38.276 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW017855.D

Acq: 13 Jan 2021 18:16

Tgt Ion: 164 Resp: 128956

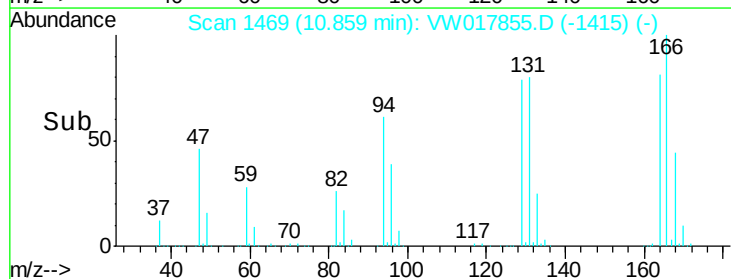
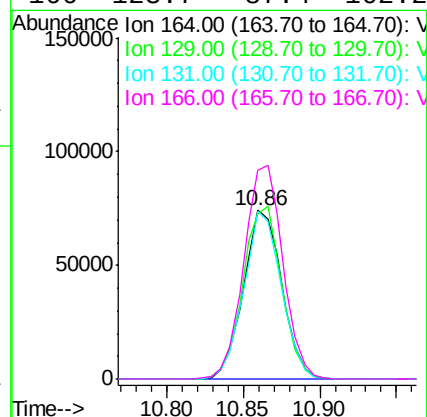
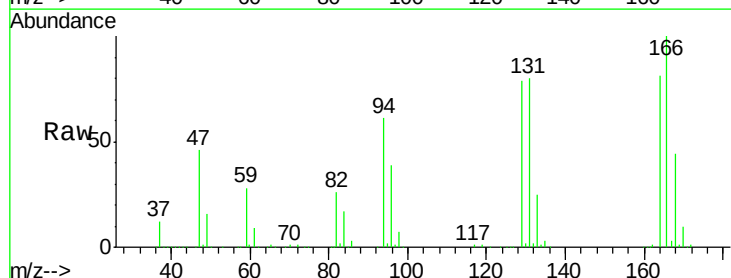
Ion Ratio Lower Upper

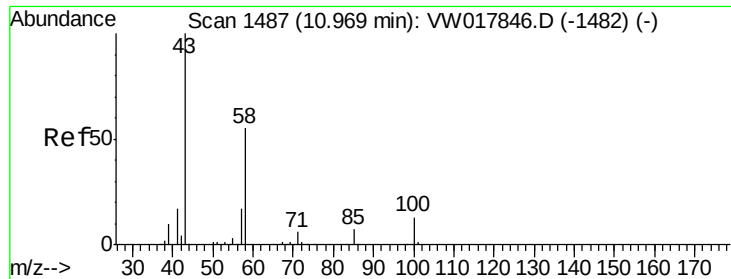
164 100

129 97.7 62.9 116.9

131 99.2 63.8 118.6

166 123.7 87.4 162.2





#49

2-Hexanone

Concen: 1.494 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW017855.D

Acq: 13 Jan 2021 18:16

Instrument :

MSVOA_W

ClientSampleId :

F1A05

Tgt Ion: 43 Resp: 1892

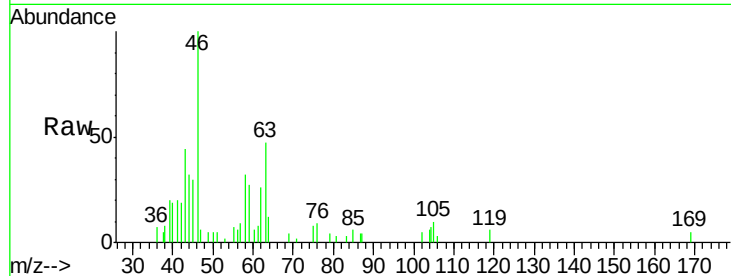
Ion Ratio Lower Upper

43 100

58 61.5 44.2 66.4

57 24.7 16.1 24.1#

100 10.4 11.0 16.4#

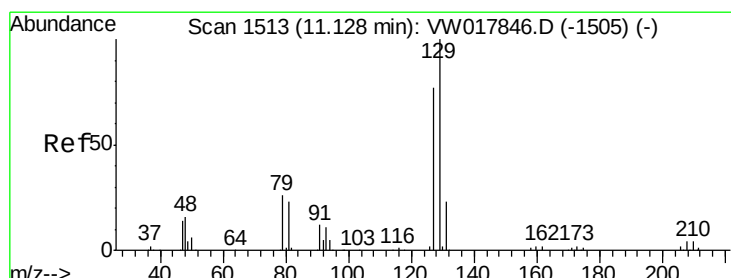
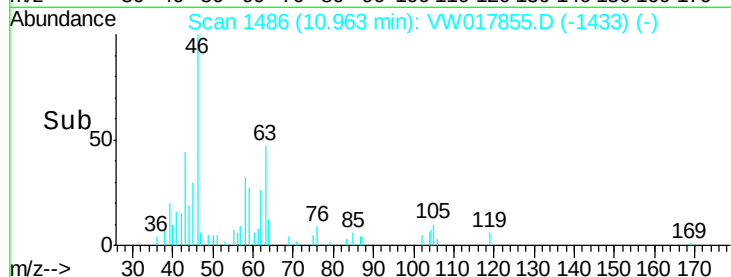
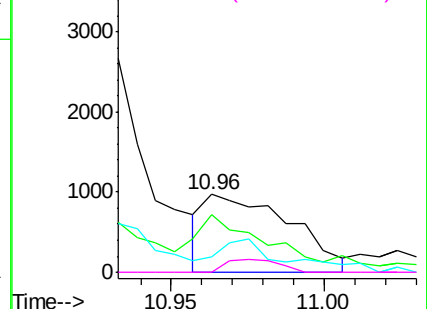


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#50

Dibromochloromethane

Concen: 41.264 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW017855.D

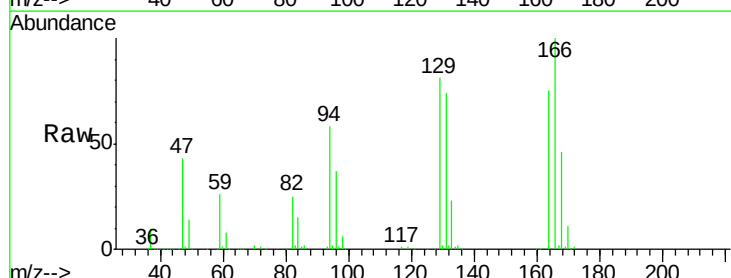
Acq: 13 Jan 2021 18:16

Tgt Ion: 129 Resp: 133826

Ion Ratio Lower Upper

129 100

127 0.4 56.1 104.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

