

Data File : VW017340.D
Acq On : 18 Nov 2020 20:15
Operator : SY/VA
Sample : L4738-05RE
Misc : 5.44G/10ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB0X2

Quant Time: Nov 19 05:07:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 19 05:03:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	411555	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	352945	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	127388	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	126361	20.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.96%
7) Chloroethane-d5	2.89	69	103468	21.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.52%
10) 1,1-Dichloroethene-d2	4.02	63	163909	15.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.52%
20) 2-Butanone-d5	7.08	46	50876	50.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.68%
24) Chloroform-d	7.65	84	229443	21.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.88%
26) 1,2-Dichloroethane-d4	8.31	65	121919	23.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.36%
29) Benzene-d6	8.28	84	454156	22.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.32%
33) 1,2-Dichloropropane-d6	9.27	67	127182	23.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.96%
37) Toluene-d8	10.33	98	409103	21.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.36%
38) trans-1,3-Dichloropropene-	10.58	79	52311	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.68%
39) 2-Hexanone-d5	10.93	63	39430	55.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	92183	22.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	97912	20.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.28%

Target Compounds

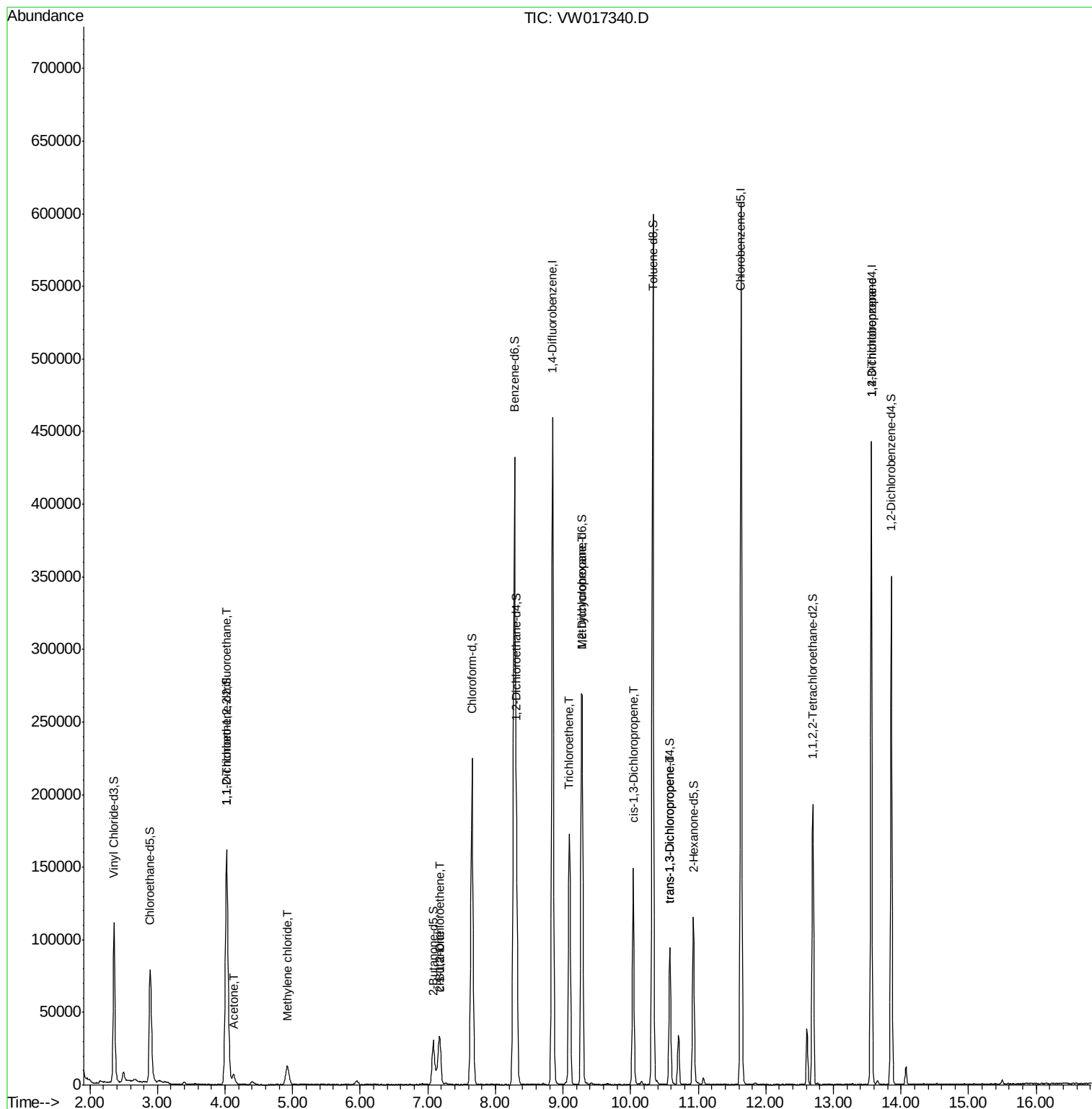
					Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1852	0.328 ug/L #	16
13) Acetone	4.13	43	11635	15.937 ug/L	95
16) Methylene chloride	4.92	84	11986	1.703 ug/L	97
21) 2-Butanone	7.17	43	1011	0.903 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	19663	3.340 ug/L	93
35) Trichloroethene	9.09	95	60722	10.766 ug/L	99
36) Methylcyclohexane	9.28	83	32975	3.659 ug/L #	21
42) cis-1,3-Dichloropropene	10.04	75	3808	0.544 ug/L #	65
45) trans-1,3-Dichloropropene	10.58	75	2280	0.384 ug/L #	61
59) 1,2,3-Trichloropropane	13.56	75	13426	4.831 ug/L	99

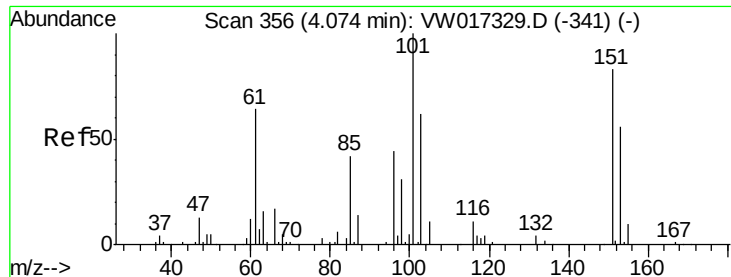
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

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

Concen: 0.328 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW017340.D

Acq: 18 Nov 2020 20:15

Instrument :

MSVOA_W

ClientSampled :

GB0X2

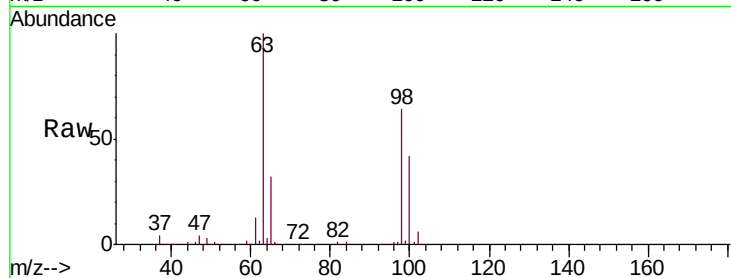
Tgt Ion: 101 Resp: 1852

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

151 0.0 66.3 99.5#



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

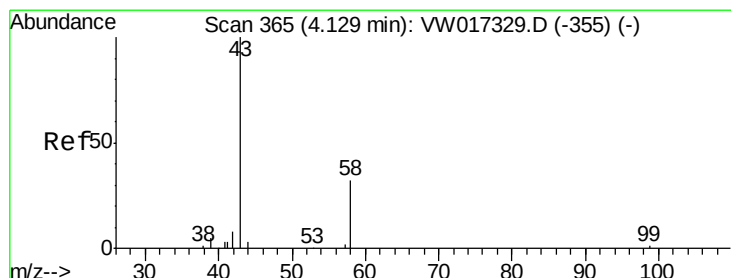
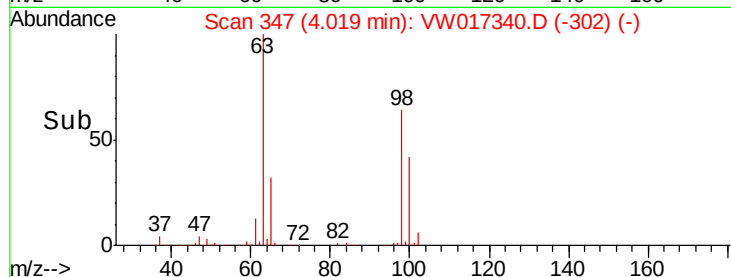
400

200

0

3.95 4.00 4.05 4.10

Time-->



#13

Acetone

Concen: 15.937 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017340.D

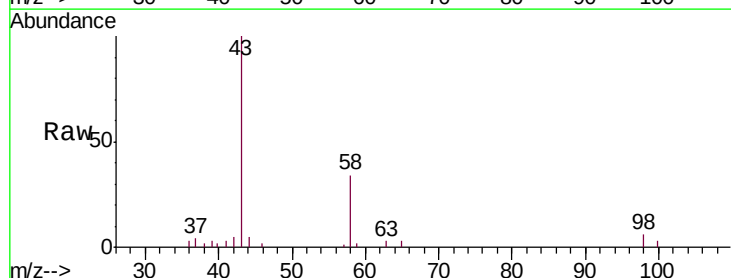
Acq: 18 Nov 2020 20:15

Tgt Ion: 43 Resp: 11635

Ion Ratio Lower Upper

43 100

58 30.6 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

5000

4000

3000

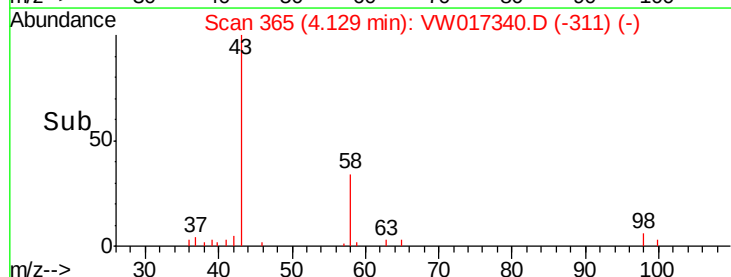
2000

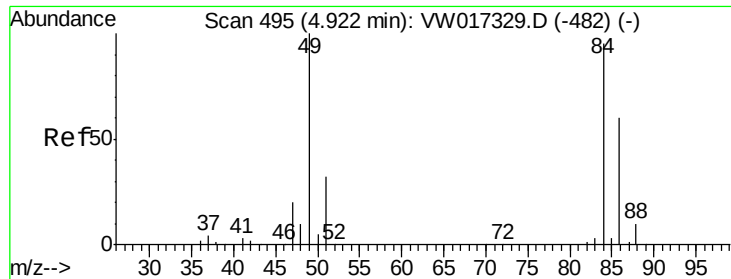
1000

0

4.05 4.10 4.15 4.20

Time-->

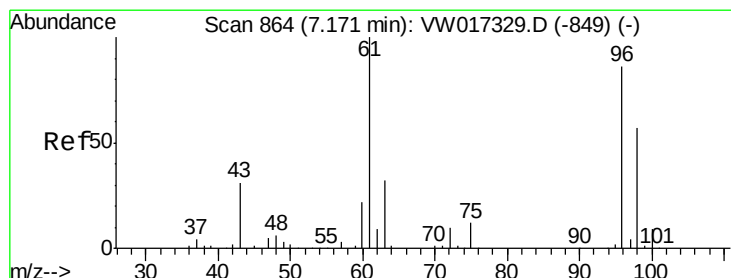
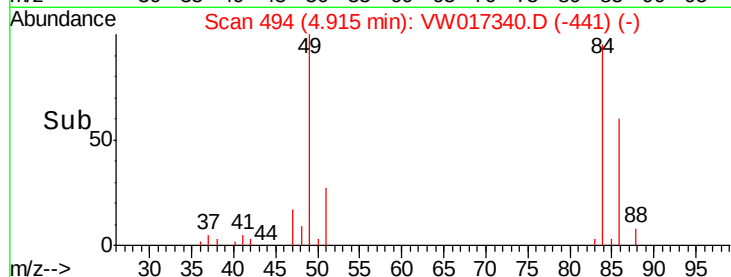
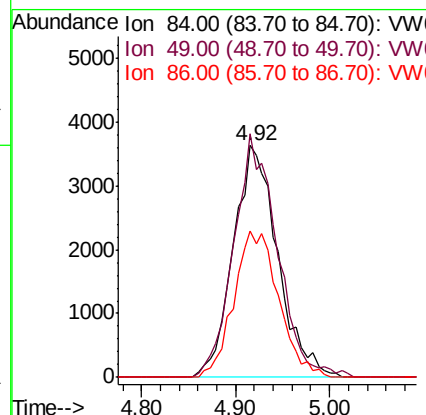
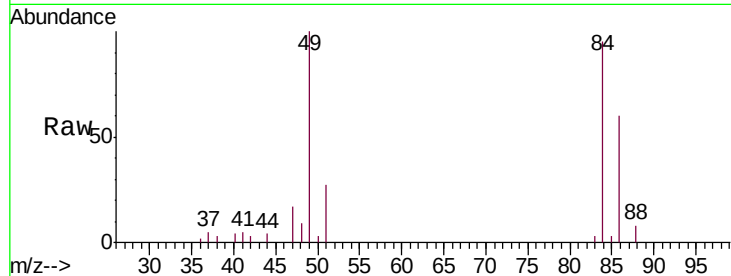




#16
Methylene chloride
Concen: 1.703 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017340.D
Acq: 18 Nov 2020 20:15

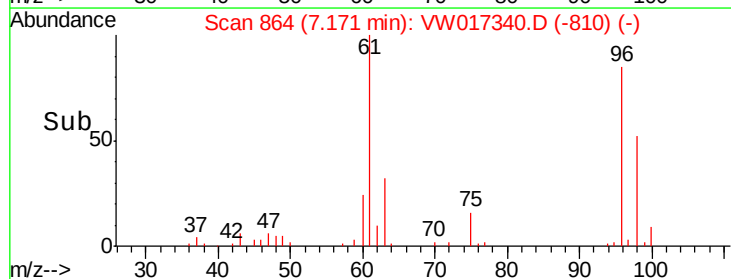
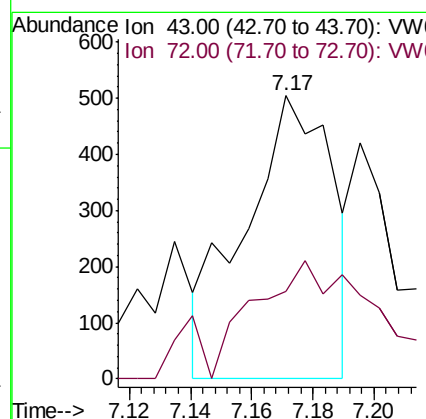
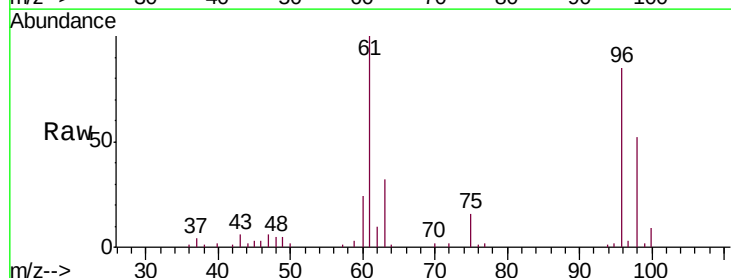
Instrument :
MSVOA_W
ClientSampled :
GB0X2

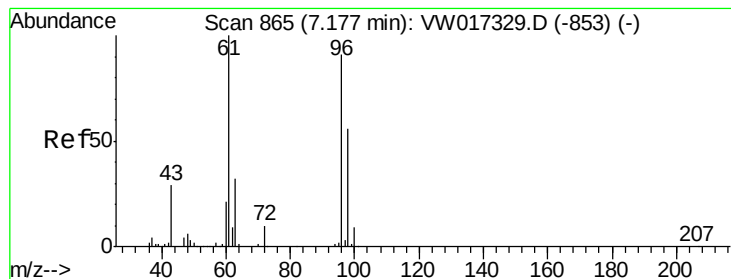
Tgt Ion: 84 Resp: 11986
Ion Ratio Lower Upper
84 100
49 105.1 71.5 132.9
86 63.1 42.8 79.4



#21
2-Butanone
Concen: 0.903 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017340.D
Acq: 18 Nov 2020 20:15

Tgt Ion: 43 Resp: 1011
Ion Ratio Lower Upper
43 100
72 32.7 16.4 49.1





#22

cis-1,2-Dichloroethene

Concen: 3.340 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017340.D

Acq: 18 Nov 2020 20:15

Instrument :

MSVOA_W

ClientSampleId :

GB0X2

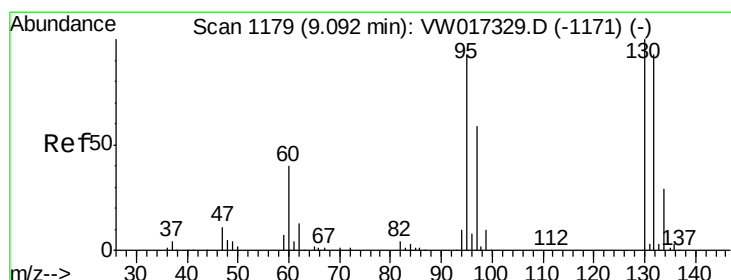
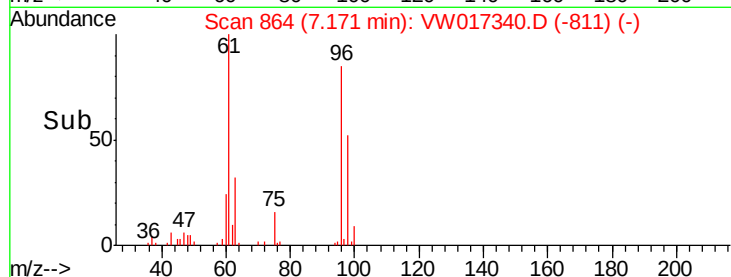
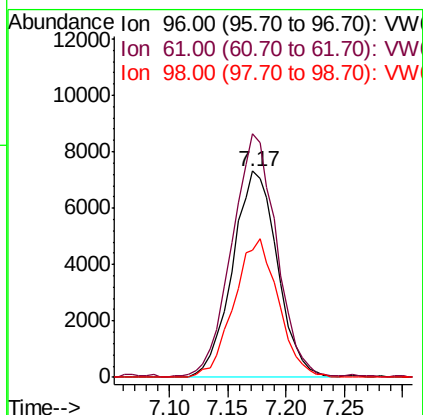
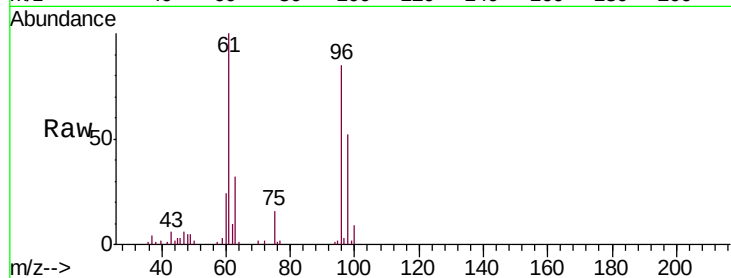
Tgt Ion: 96 Resp: 19663

Ion Ratio Lower Upper

96 100

61 118.1 76.1 141.3

98 61.6 44.7 82.9



#35

Trichloroethene

Concen: 10.766 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017340.D

Acq: 18 Nov 2020 20:15

Tgt Ion: 95 Resp: 60722

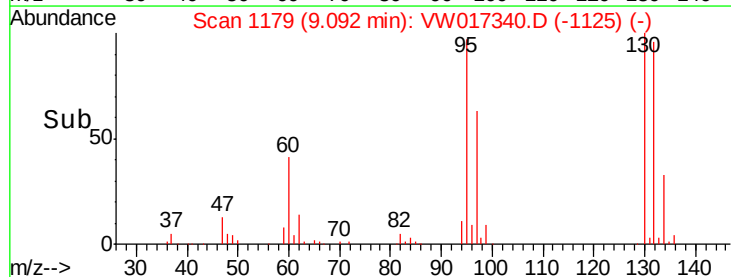
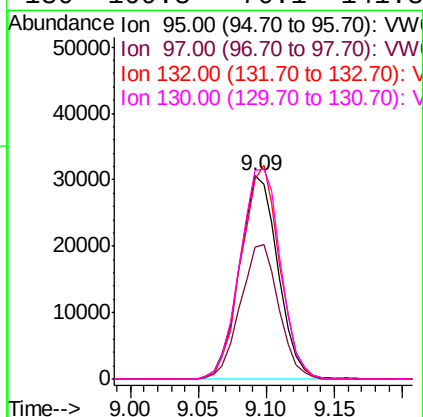
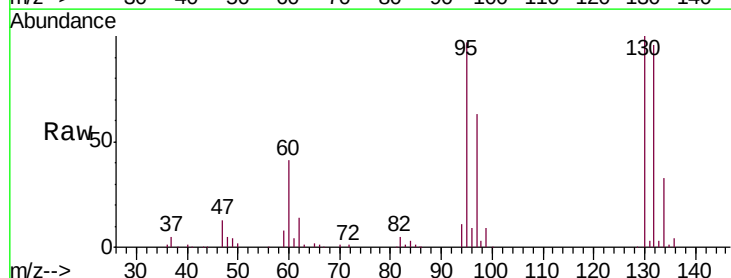
Ion Ratio Lower Upper

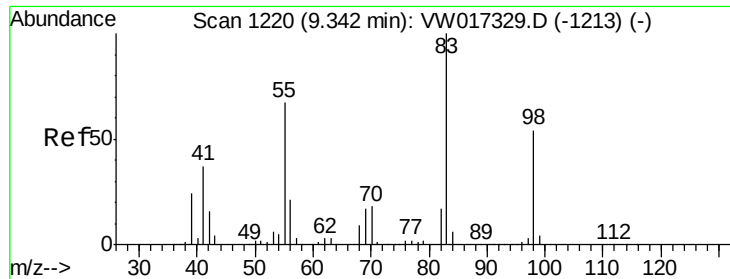
95 100

97 66.0 44.7 82.9

132 104.4 72.7 134.9

130 109.3 76.1 141.3

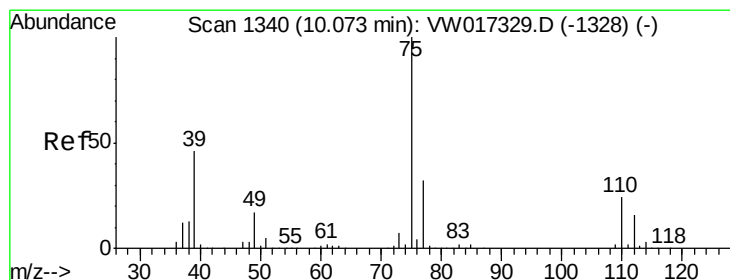
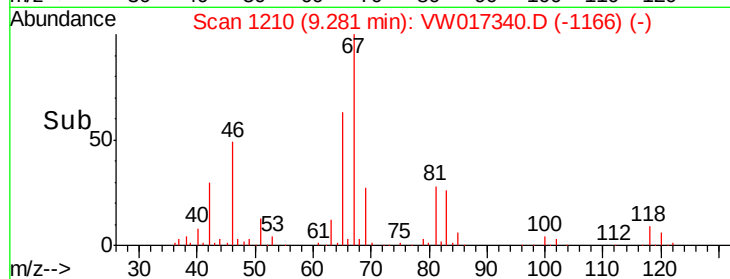
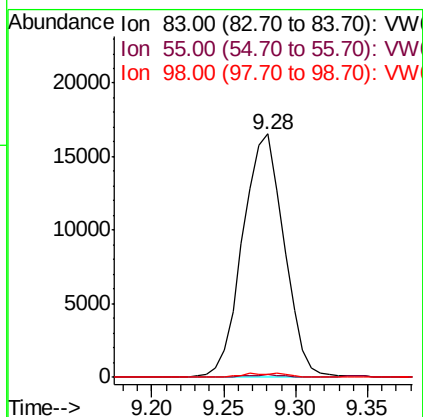
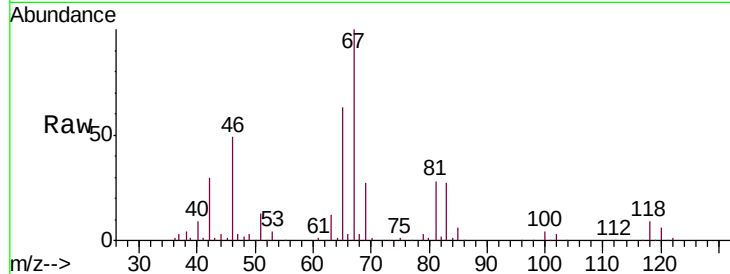




#36
Methylcyclohexane
Concen: 3.659 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.06 min
Lab File: VW017340.D
Acq: 18 Nov 2020 20:15

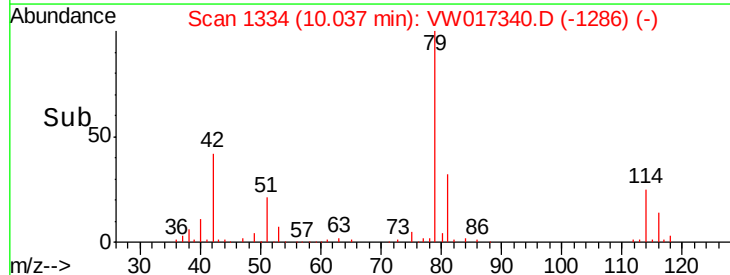
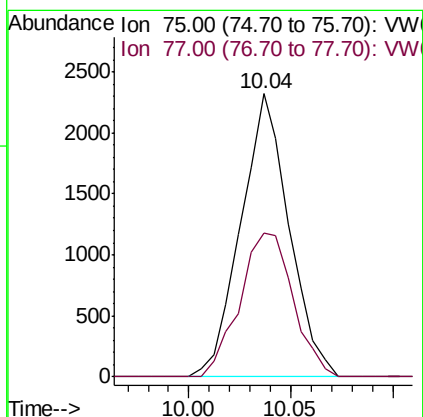
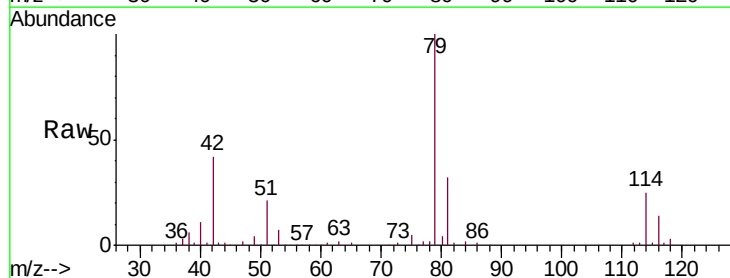
Instrument :
MSVOA_W
ClientSampled :
GB0X2

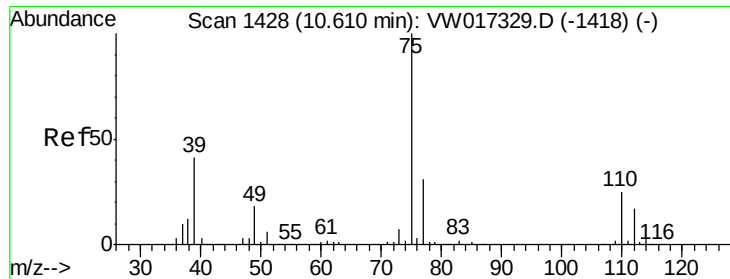
Tgt Ion: 83 Resp: 32975
Ion Ratio Lower Upper
83 100
55 0.8 54.6 81.8#
98 0.6 41.5 62.3#



#42
cis-1,3-Dichloropropene
Concen: 0.544 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW017340.D
Acq: 18 Nov 2020 20:15

Tgt Ion: 75 Resp: 3808
Ion Ratio Lower Upper
75 100
77 50.6 21.8 40.4#





#45

trans-1,3-Dichloropropene

Concen: 0.384 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017340.D

Acq: 18 Nov 2020 20:15

Instrument :

MSVOA_W

ClientSampled :

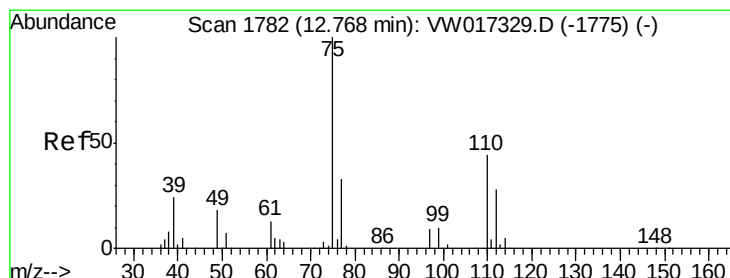
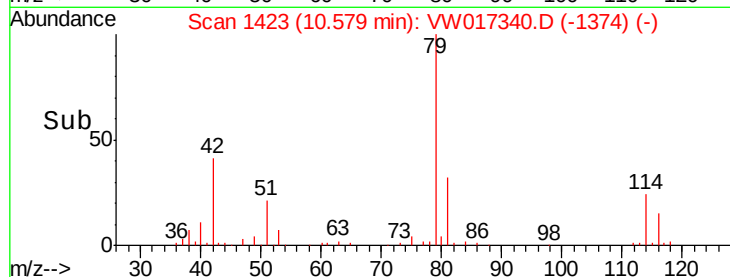
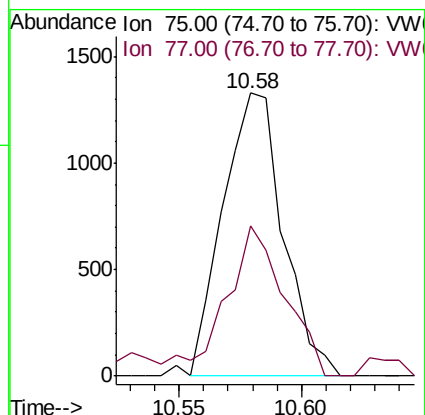
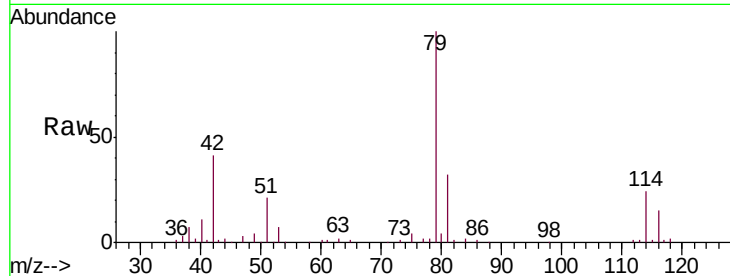
GB0X2

Tgt Ion: 75 Resp: 2280

Ion Ratio Lower Upper

75 100

77 53.1 22.0 40.8#



#59

1,2,3-Trichloropropane

Concen: 4.831 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017340.D

Acq: 18 Nov 2020 20:15

Tgt Ion: 75 Resp: 13426

Ion Ratio Lower Upper

75 100

77 33.6 26.6 40.0

