

Data File : VW017345.D
Acq On : 18 Nov 2020 22:12
Operator : SY/VA
Sample : L4749-13
Misc : 5.37G/14ML/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0B12

Quant Time: Nov 19 05:07:50 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	8.84	114	347973	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	266660	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	93638	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132295	25.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.72%
7) Chloroethane-d5	2.89	69	104903	25.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.56%
10) 1,1-Dichloroethene-d2	4.02	63	163748	18.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.68%
20) 2-Butanone-d5	7.08	46	28086	33.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.40%
24) Chloroform-d	7.65	84	213468	23.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	8.31	65	103552	23.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.76%
29) Benzene-d6	8.27	84	423213	28.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.60%
33) 1,2-Dichloropropane-d6	9.27	67	113179	28.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.04%
37) Toluene-d8	10.33	98	365524	25.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.32%
38) trans-1,3-Dichloropropene-	10.58	79	36900	21.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.64%
39) 2-Hexanone-d5	10.93	63	22866	42.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	67890	22.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	72721	21.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.16%

Target Compounds

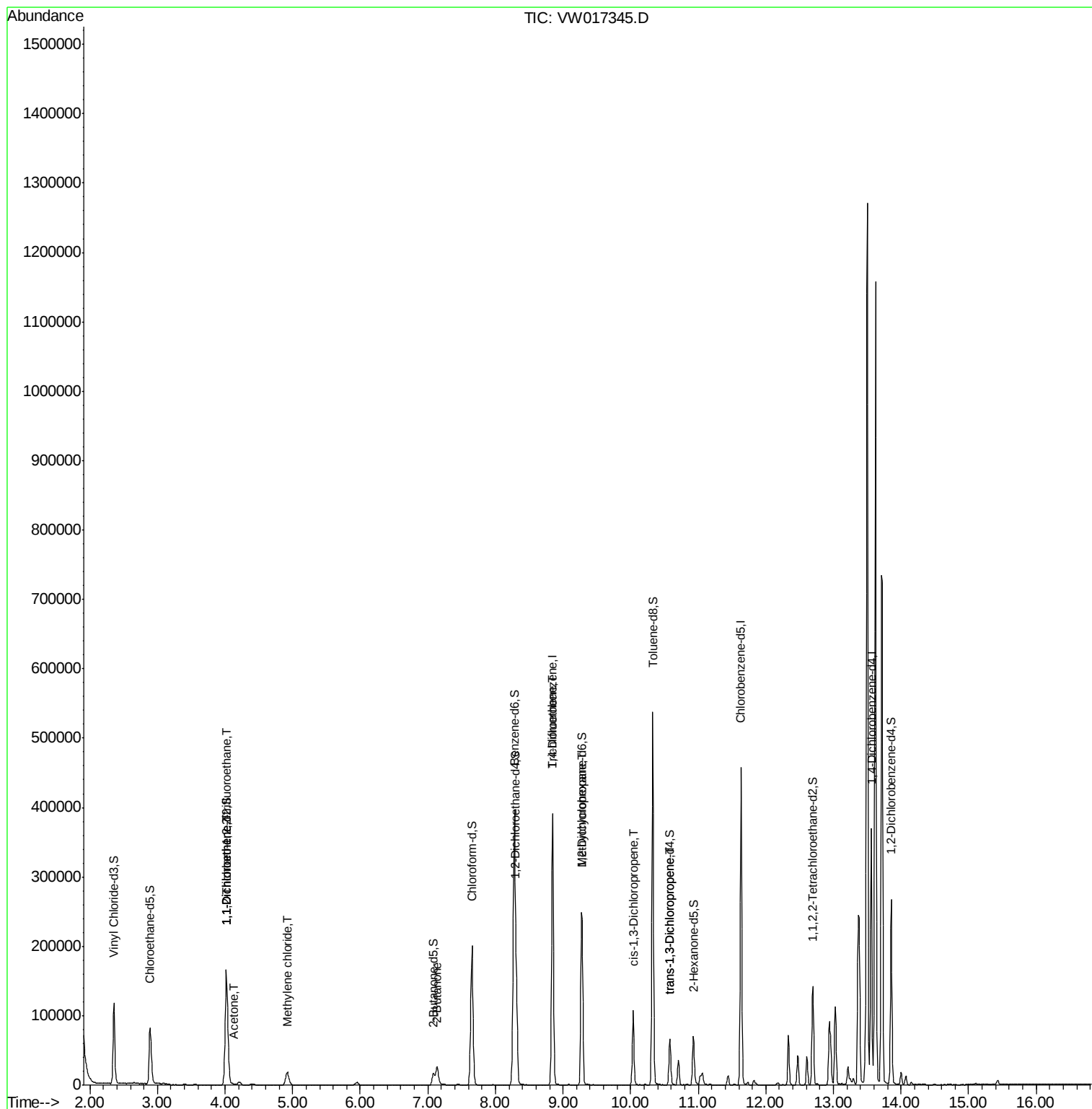
					Qvalue	
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1591	0.334	ug/L #	16
12) 1,1-Dichloroethene	4.01	96	1408	0.307	ug/L #	1
13) Acetone	4.13	43	2000	3.240	ug/L	77
16) Methylene chloride	4.93	84	16570	2.784	ug/L	93
21) 2-Butanone	7.15	43	2509	2.651	ug/L #	48
35) Trichloroethene	8.84	95	9776	2.294	ug/L #	2
36) Methylcyclohexane	9.28	83	30007	4.407	ug/L #	22
42) cis-1,3-Dichloropropene	10.04	75	2909	0.550	ug/L #	60
45) trans-1,3-Dichloropropene	10.58	75	1730	0.386	ug/L #	55

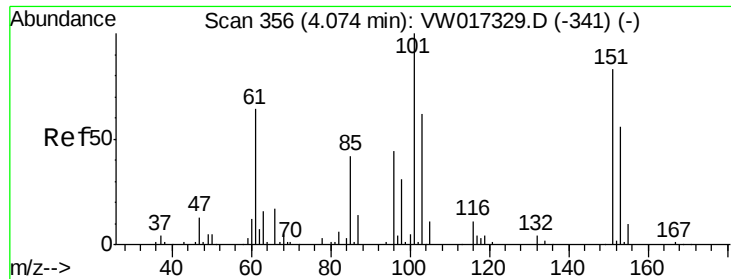
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

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

Concen: 0.334 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW017345.D

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Instrument :

MSVOA_W

ClientSampleId :

C0B12

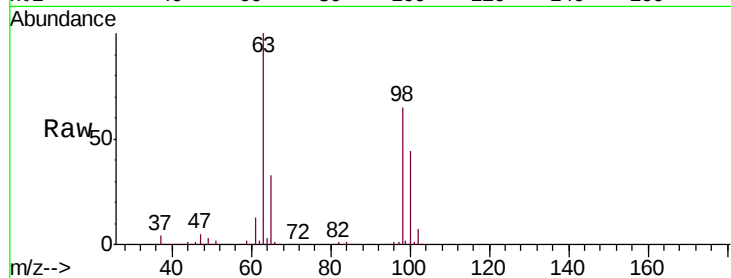
Tgt Ion: 101 Resp: 1591

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

800

600

400

200

0

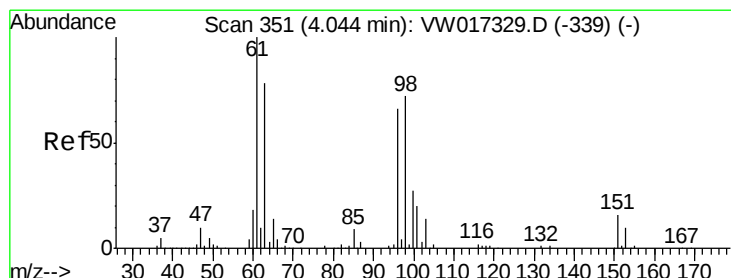
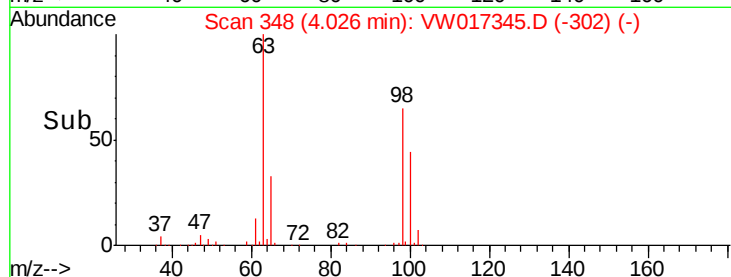
3.95

4.00

4.03

4.05

Time-->



#12

1,1-Dichloroethene

Concen: 0.307 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.03 min

Lab File: VW017345.D

Acq: 18 Nov 2020 22:12

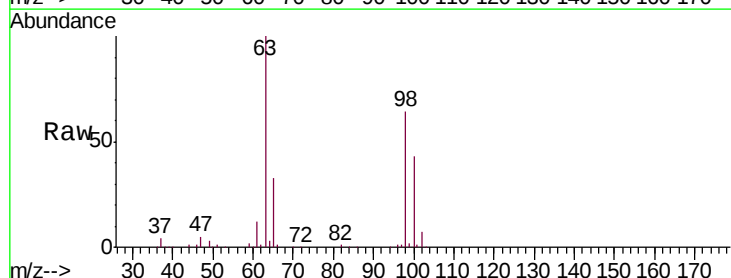
Tgt Ion: 96 Resp: 1408

Ion Ratio Lower Upper

96 100

61 1231.1 104.7 194.4#

63 9959.2 69.6 129.2#



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

80000

60000

40000

20000

0

3.95

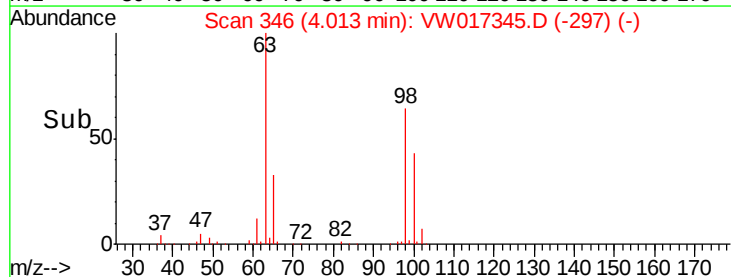
4.00

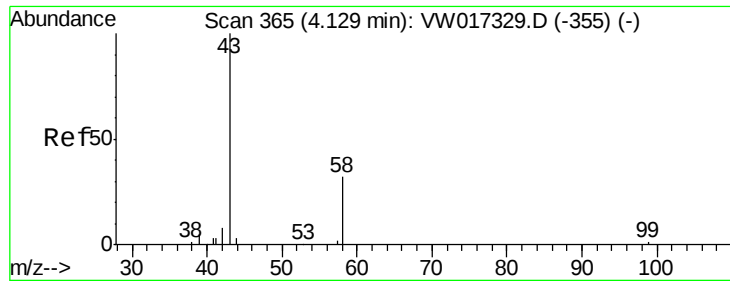
4.01

4.05

4.10

Time-->





#13

Acetone

Concen: 3.240 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017345.D

Acq: 18 Nov 2020 22:12

Instrument :

MSVOA_W

ClientSampled :

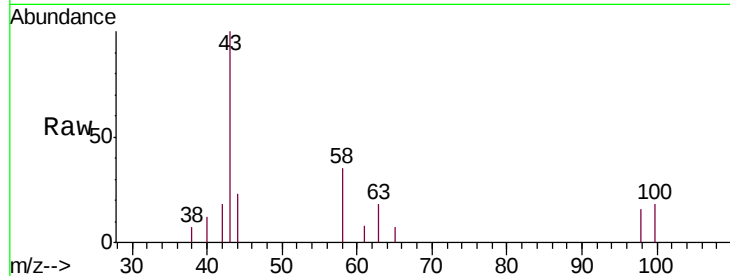
C0B12

Tgt Ion: 43 Resp: 2000

Ion Ratio Lower Upper

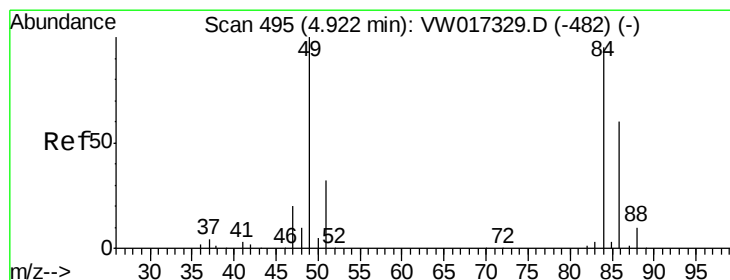
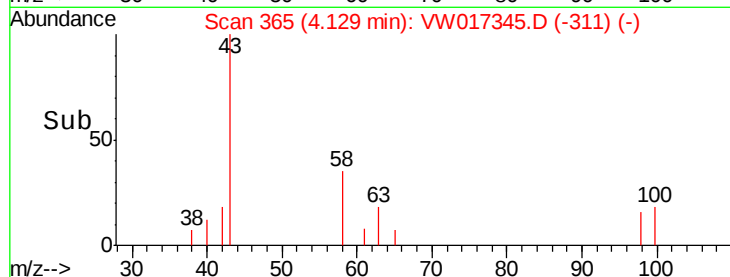
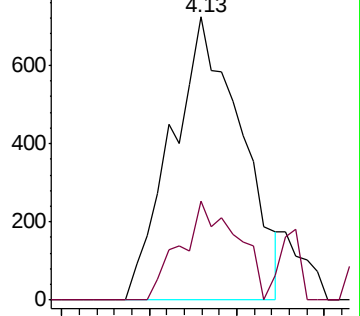
43 100

58 20.3 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.784 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW017345.D

Acq: 18 Nov 2020 22:12

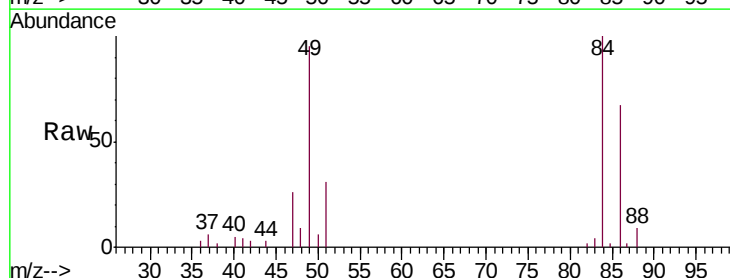
Tgt Ion: 84 Resp: 16570

Ion Ratio Lower Upper

84 100

49 94.8 71.5 132.9

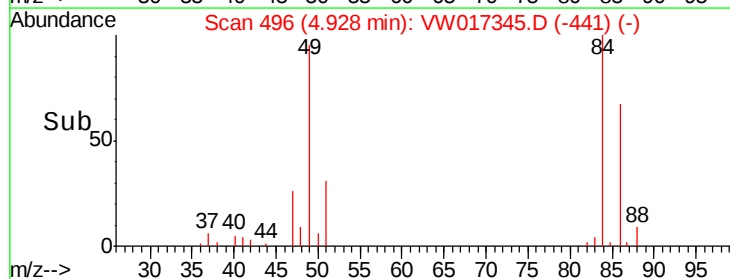
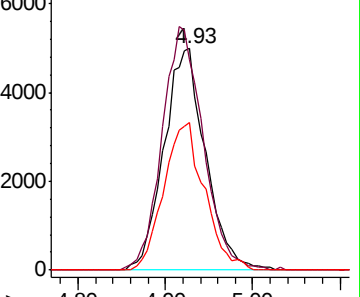
86 66.9 42.8 79.4

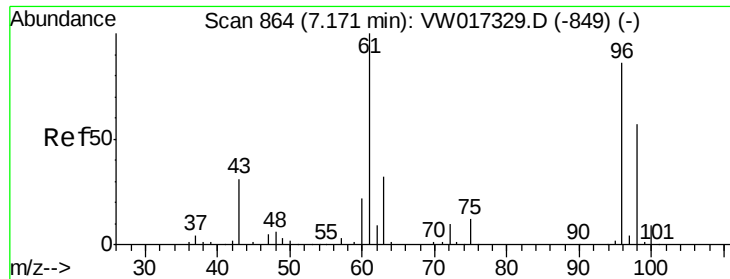


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

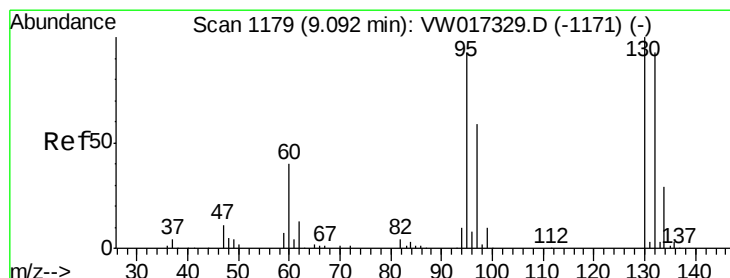
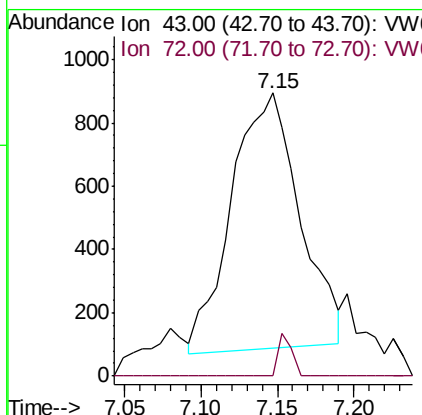
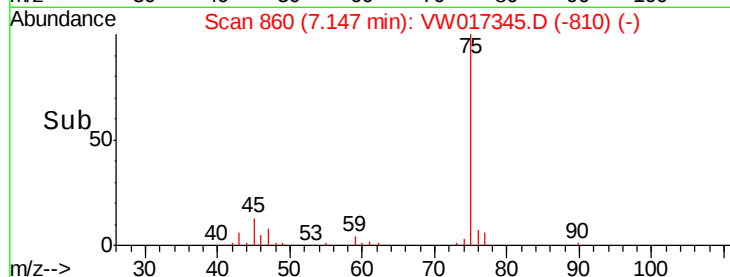
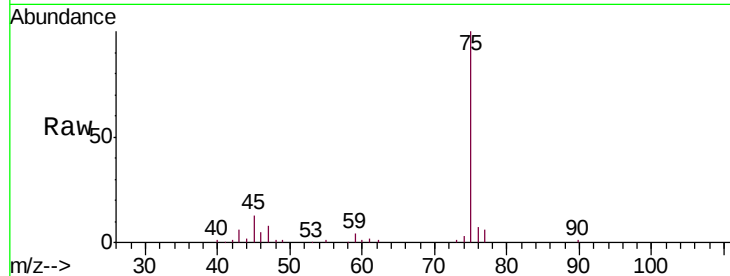




#21
2-Butanone
Concen: 2.651 ug/L
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW017345.D
Acq: 18 Nov 2020 22:12

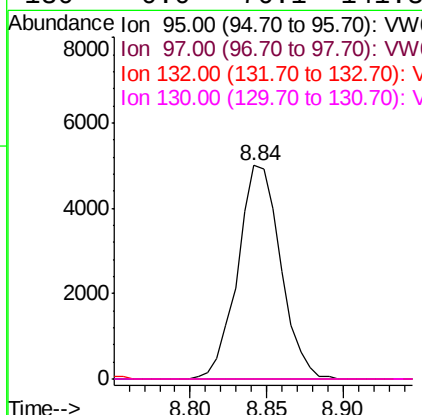
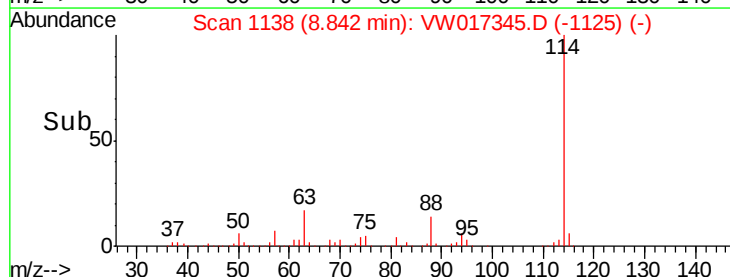
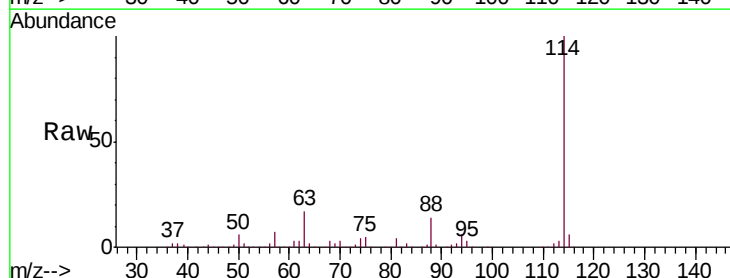
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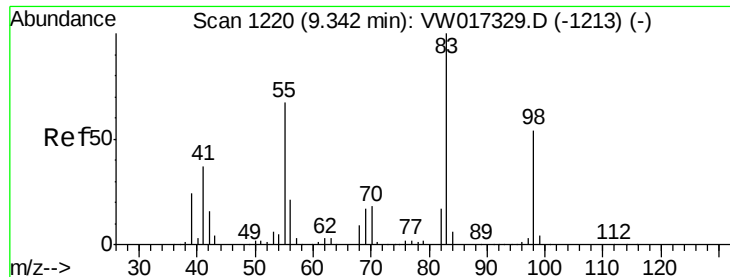
Tgt Ion: 43 Resp: 2509
Ion Ratio Lower Upper
43 100
72 3.3 16.4 49.1#



#35
Trichloroethene
Concen: 2.294 ug/L
RT: 8.84 min Scan# 1138
Delta R.T. -0.25 min
Lab File: VW017345.D
Acq: 18 Nov 2020 22:12

Tgt Ion: 95 Resp: 9776
Ion Ratio Lower Upper
95 100
97 0.0 44.7 82.9#
132 0.0 72.7 134.9#
130 0.0 76.1 141.3#

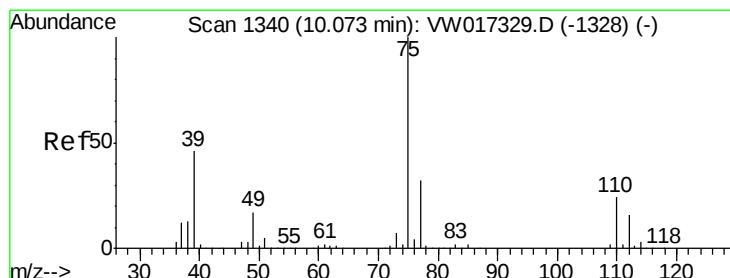
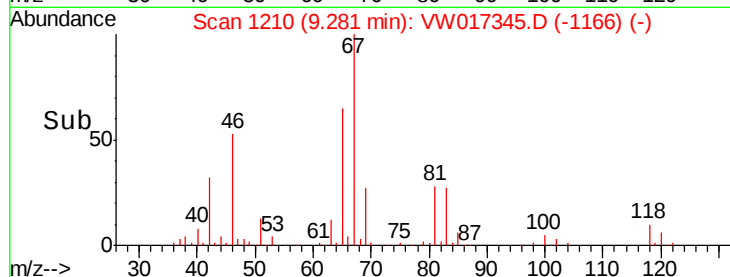
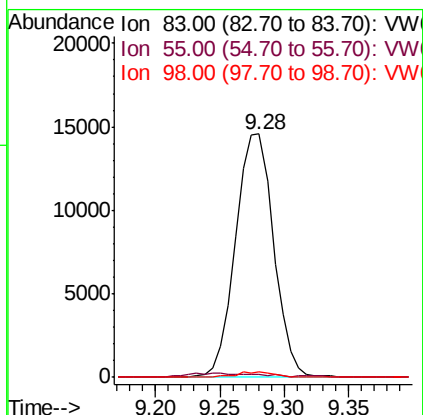
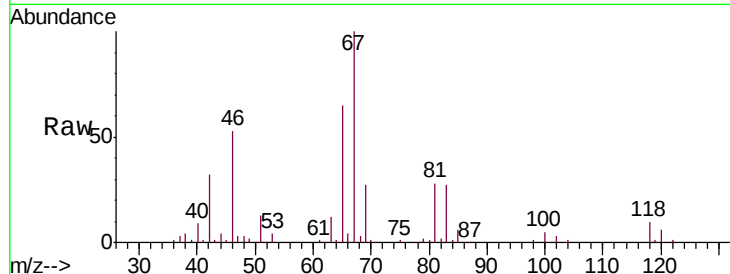




#36
Methylcyclohexane
Concen: 4.407 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.06 min
Lab File: VW017345.D
Acq: 18 Nov 2020 22:12

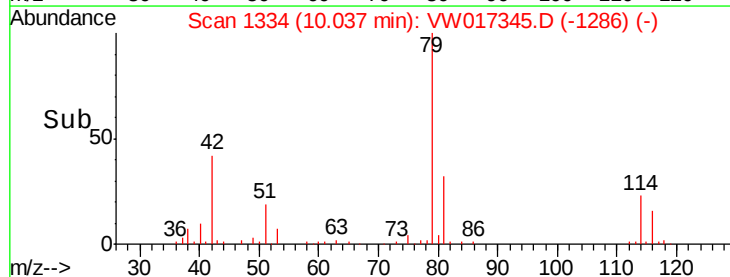
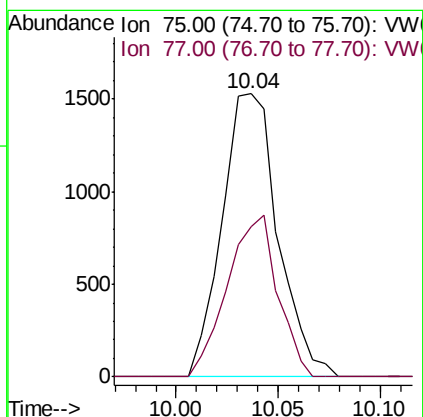
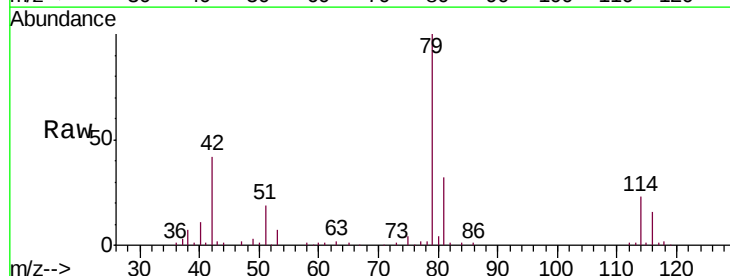
Instrument :
MSVOA_W
ClientSampleId :
C0B12

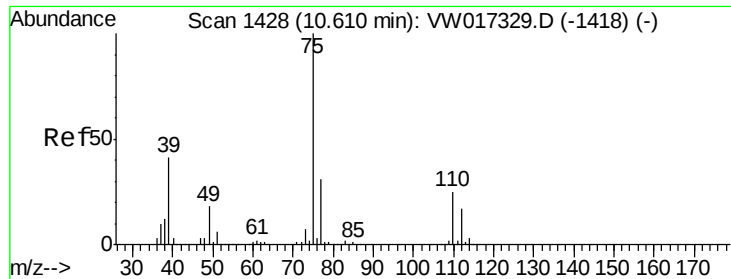
Tgt Ion: 83 Resp: 30007
Ion Ratio Lower Upper
83 100
55 0.3 54.6 81.8#
98 1.8 41.5 62.3#



#42
cis-1,3-Dichloropropene
Concen: 0.550 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW017345.D
Acq: 18 Nov 2020 22:12

Tgt Ion: 75 Resp: 2909
Ion Ratio Lower Upper
75 100
77 53.3 21.8 40.4#





#45

trans-1,3-Dichloropropene

Concen: 0.386 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017345.D

Acq: 18 Nov 2020 22:12

Instrument :

MSVOA_W

ClientSampleId :

C0B12

Tgt Ion: 75 Resp: 1730

Ion Ratio Lower Upper

75 100

77 56.5 22.0 40.8#

