

Data File : VW017350.D
Acq On : 19 Nov 2020 00:10
Operator : SY/VA
Sample : L4749-18
Misc : 5.02G/14ML/MSVOA_W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0B17

Quant Time: Nov 19 05:08:27 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	410128	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	314378	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	90532	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	138316	22.78	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.12%
7) Chloroethane-d5	2.89	69	110833	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.92%
10) 1,1-Dichloroethene-d2	4.02	63	178398	16.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.20%
20) 2-Butanone-d5	7.08	46	24325	24.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	48.78%
24) Chloroform-d	7.65	84	241783	22.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.76%
26) 1,2-Dichloroethane-d4	8.31	65	120237	23.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.40%
29) Benzene-d6	8.27	84	470615	26.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.20%
33) 1,2-Dichloropropane-d6	9.27	67	128611	27.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.96%
37) Toluene-d8	10.32	98	401624	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.28%
38) trans-1,3-Dichloropropene-	10.58	79	38910	18.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.72%
39) 2-Hexanone-d5	10.93	63	20203	31.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	81331	22.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	76432	22.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.48%

Target Compounds

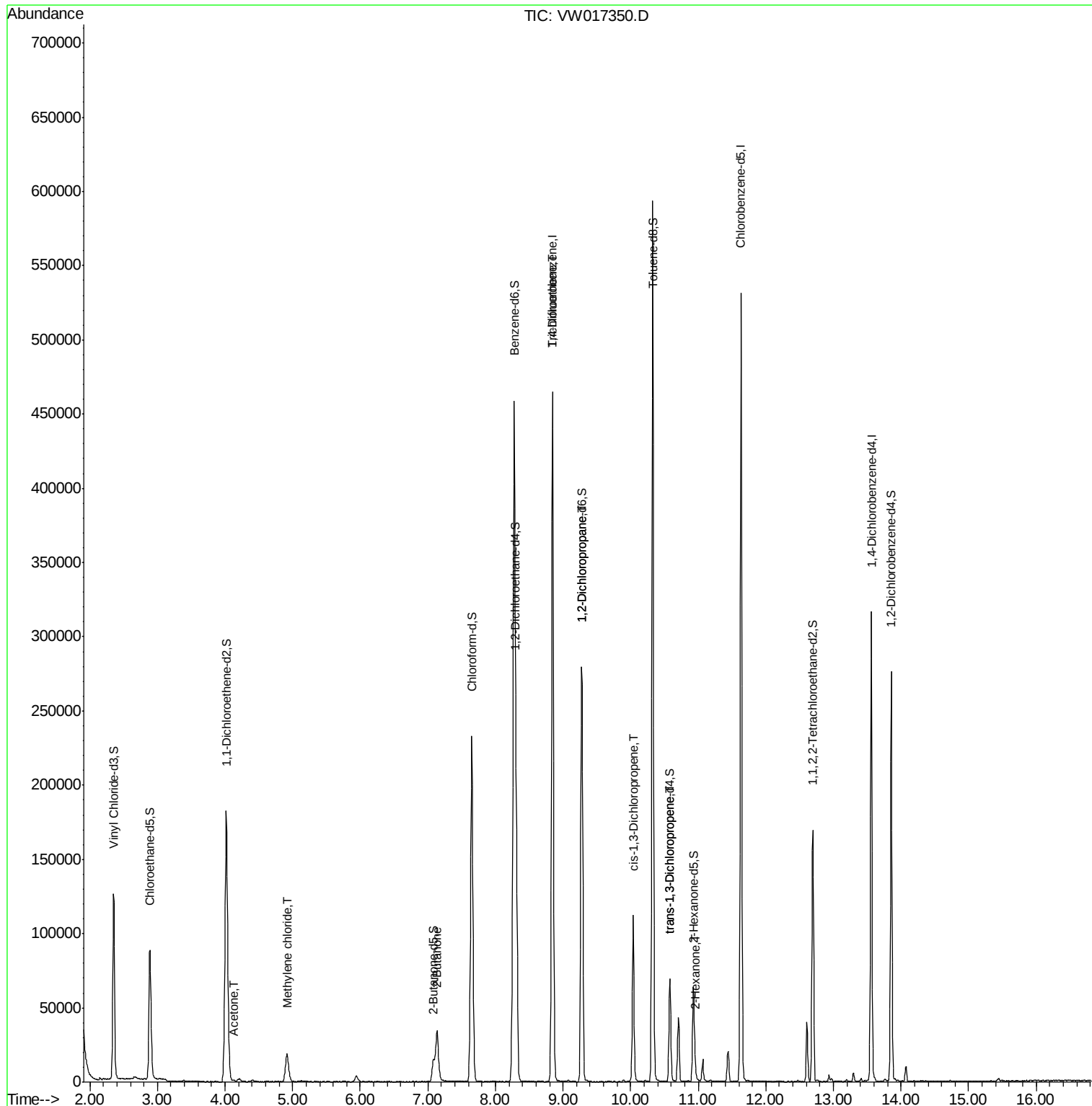
					Qvalue
13) Acetone	4.14	43	854	1.174 ug/L	60
16) Methylene chloride	4.92	84	16511	2.354 ug/L	93
21) 2-Butanone	7.15	43	6921	6.206 ug/L #	45
35) Trichloroethene	8.84	95	11733	2.335 ug/L #	2
40) 1,2-Dichloropropane	9.28	63	15452	3.846 ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	3050	0.489 ug/L #	79
45) trans-1,3-Dichloropropene	10.59	75	1904	0.360 ug/L #	62
49) 2-Hexanone	10.96	43	3979	3.316 ug/L #	34

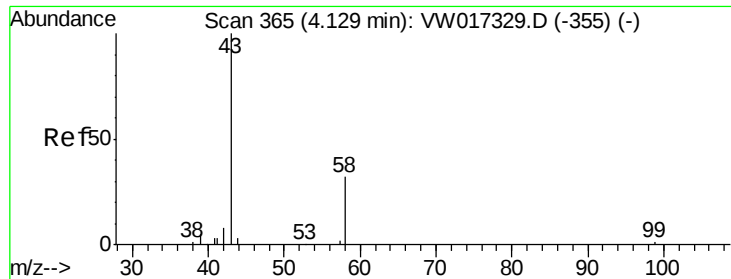
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.174 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017350.D

Acq: 19 Nov 2020 00:10

Instrument :

MSVOA_W

ClientSampleId :

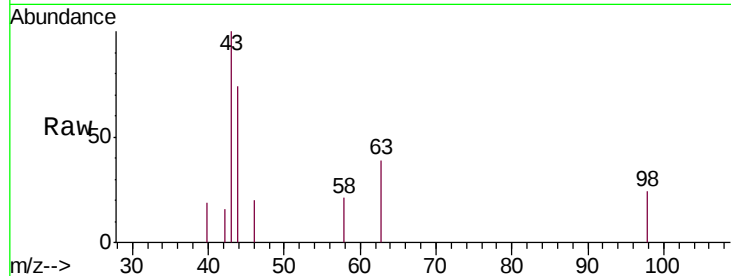
C0B17

Tgt Ion: 43 Resp: 854

Ion Ratio Lower Upper

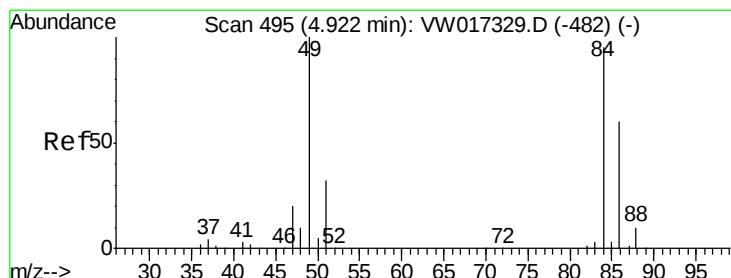
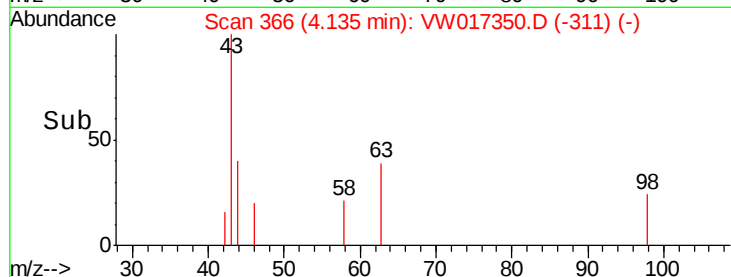
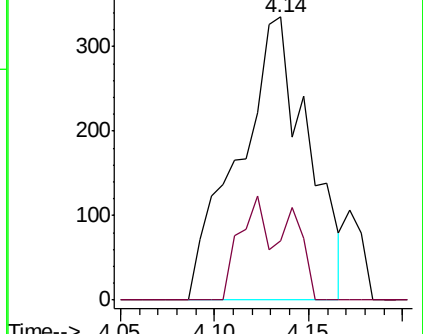
43 100

58 10.9 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: 2.354 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017350.D

Acq: 19 Nov 2020 00:10

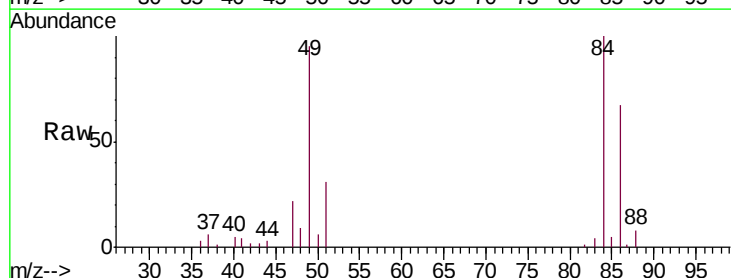
Tgt Ion: 84 Resp: 16511

Ion Ratio Lower Upper

84 100

49 95.5 71.5 132.9

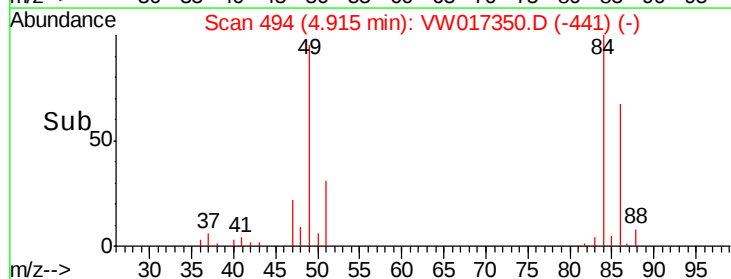
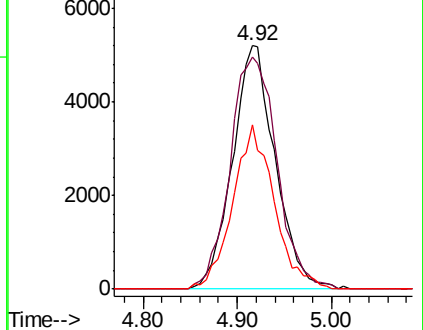
86 67.3 42.8 79.4

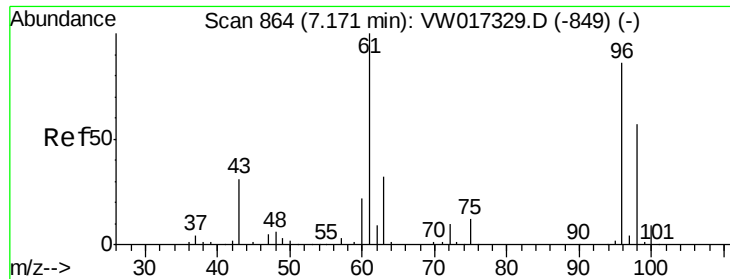


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 6.206 ug/L

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW017350.D

Acq: 19 Nov 2020 00:10

Instrument :

MSVOA_W

ClientSampled :

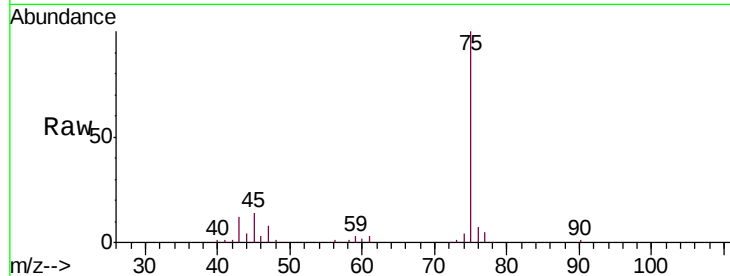
C0B17

Tgt Ion: 43 Resp: 6921

Ion Ratio Lower Upper

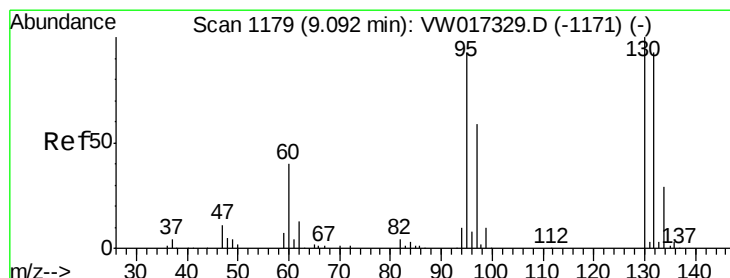
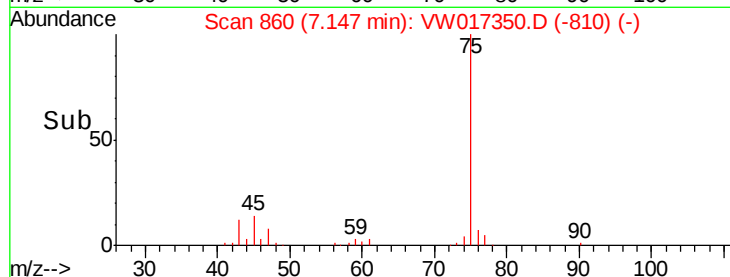
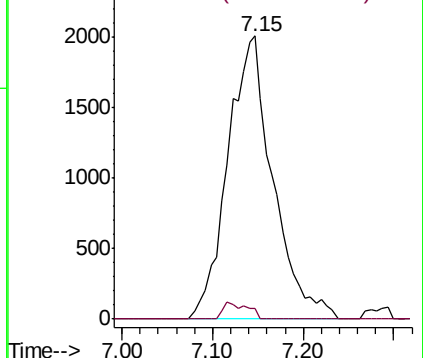
43 100

72 1.9 16.4 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#35

Trichloroethene

Concen: 2.335 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017350.D

Acq: 19 Nov 2020 00:10

Tgt Ion: 95 Resp: 11733

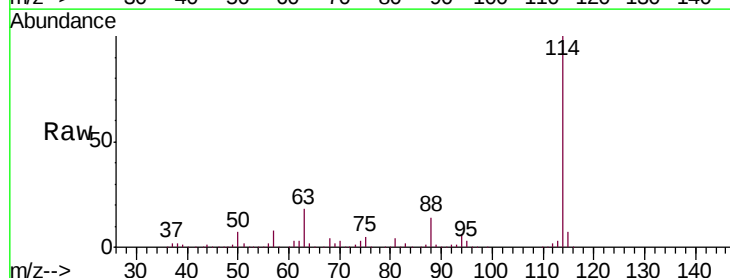
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#

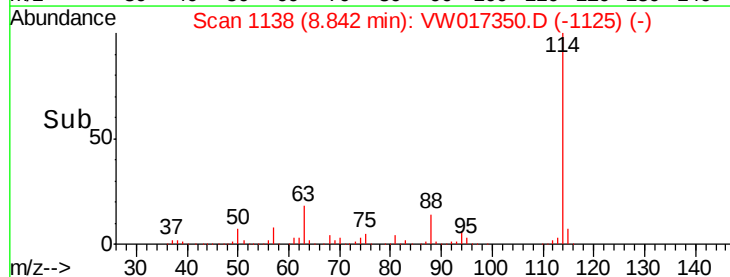
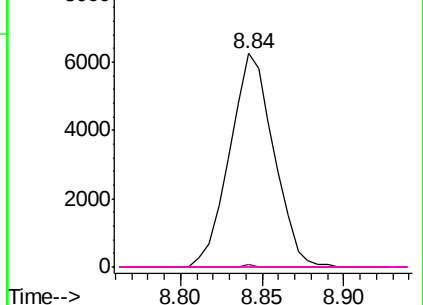


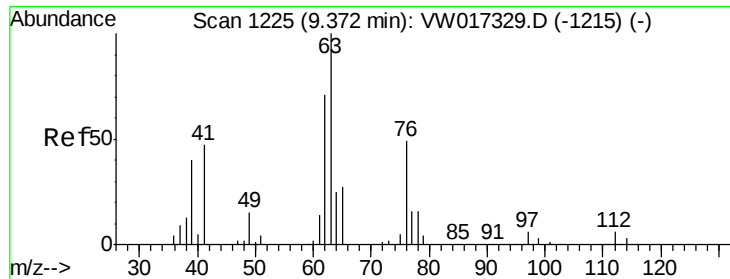
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#40

1,2-Dichloropropane

Concen: 3.846 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017350.D

Acq: 19 Nov 2020 00:10

Instrument :

MSVOA_W

ClientSampleId :

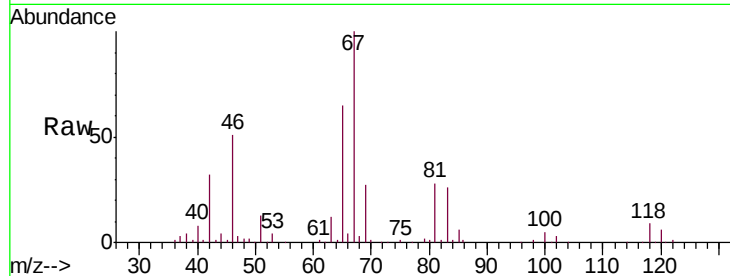
C0B17

Tgt Ion: 63 Resp: 15452

Ion Ratio Lower Upper

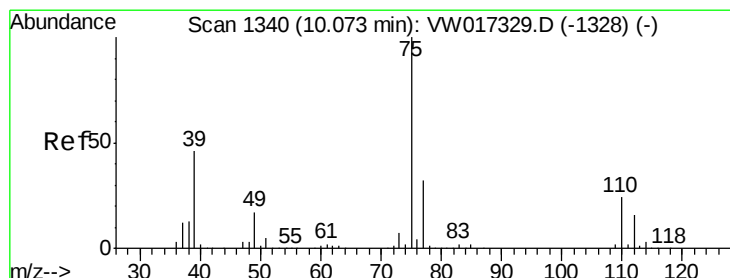
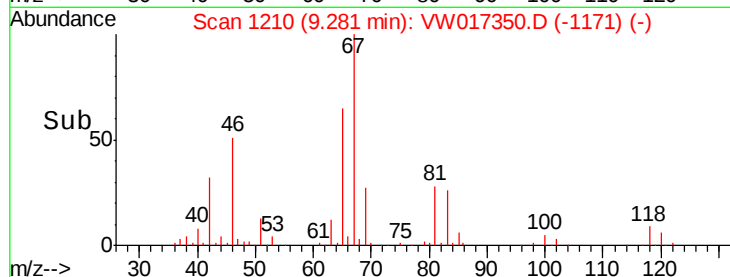
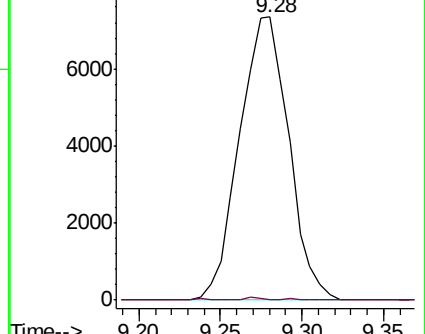
63 100

112 0.3 4.2 6.4#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.489 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017350.D

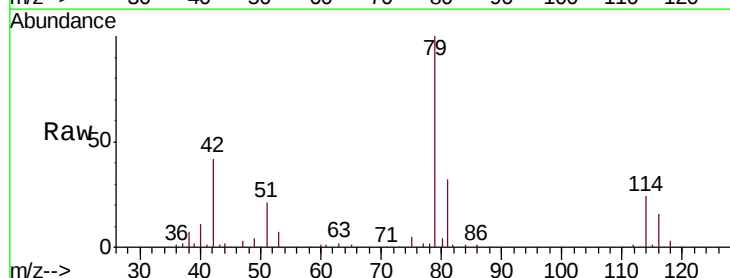
Acq: 19 Nov 2020 00:10

Tgt Ion: 75 Resp: 3050

Ion Ratio Lower Upper

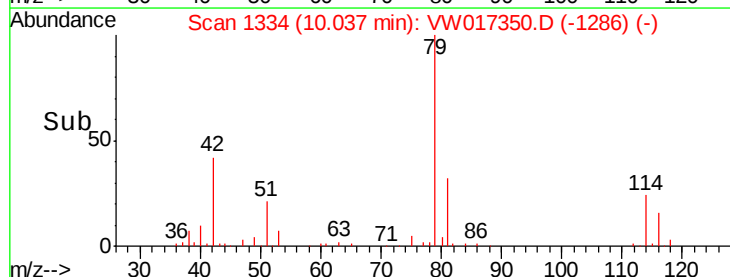
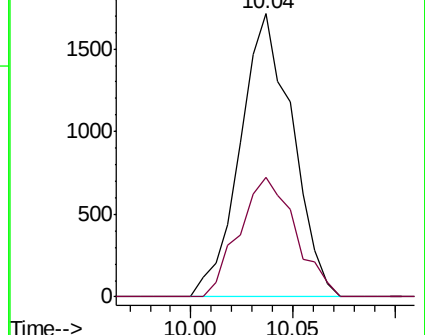
75 100

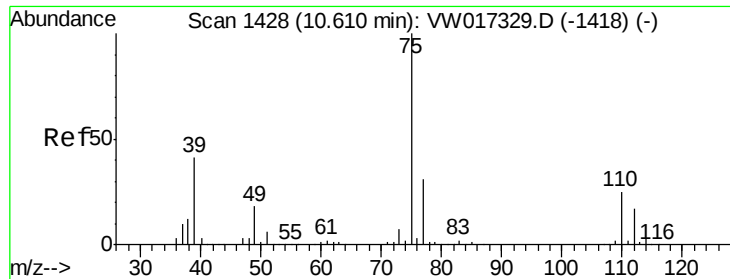
77 42.5 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.360 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017350.D

Acq: 19 Nov 2020 00:10

Instrument :

MSVOA_W

ClientSampled :

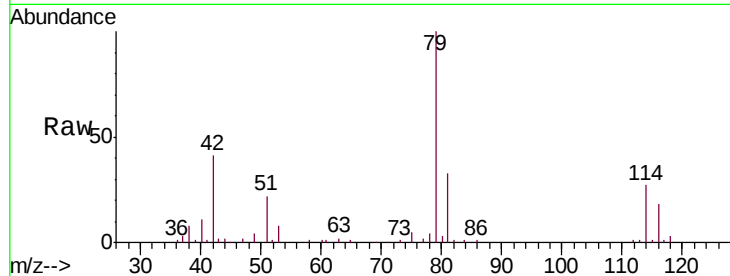
C0B17

Tgt Ion: 75 Resp: 1904

Ion Ratio Lower Upper

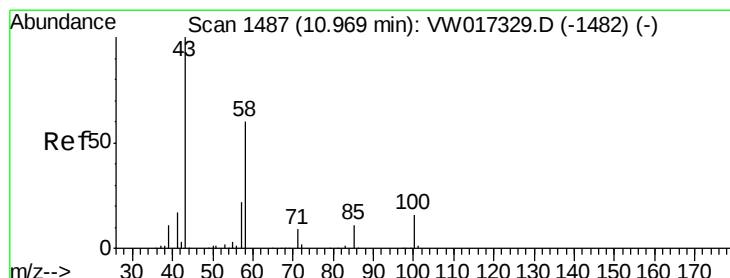
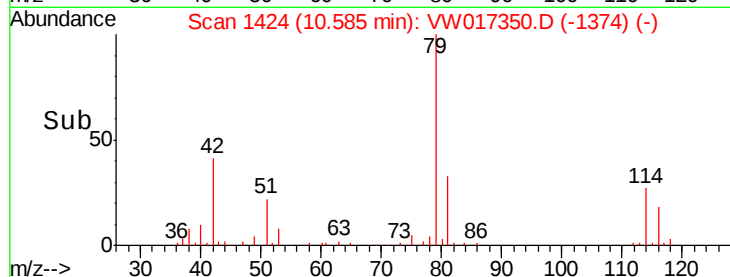
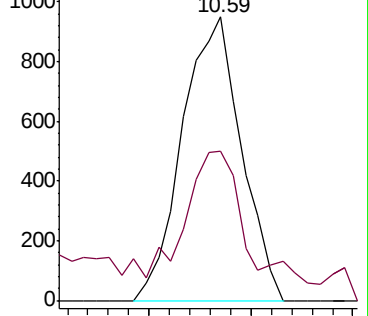
75 100

77 52.6 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#49

2-Hexanone

Concen: 3.316 ug/L

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW017350.D

Acq: 19 Nov 2020 00:10

Tgt Ion: 43 Resp: 3979

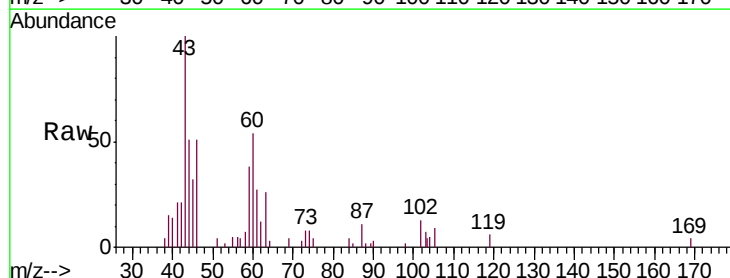
Ion Ratio Lower Upper

43 100

58 0.0 49.4 74.0#

57 0.0 17.0 25.4#

100 0.0 13.1 19.7#



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

