

Data File : VW017349.D
Acq On : 18 Nov 2020 23:46
Operator : SY/VA
Sample : L4749-17
Misc : 4.71G/14ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0B16

Quant Time: Nov 19 05:08:19 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	371097	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	293403	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	83864	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	136929	24.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.68%
7) Chloroethane-d5	2.90	69	112510	25.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.12%
10) 1,1-Dichloroethene-d2	4.02	63	172648	17.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.84%
20) 2-Butanone-d5	7.09	46	22733	25.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	50.40%
24) Chloroform-d	7.65	84	230456	23.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.56%
26) 1,2-Dichloroethane-d4	8.31	65	111377	23.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.56%
29) Benzene-d6	8.28	84	446839	27.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.08%
33) 1,2-Dichloropropane-d6	9.28	67	122054	27.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.80%
37) Toluene-d8	10.33	98	395533	25.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.60%
38) trans-1,3-Dichloropropene-	10.58	79	35039	18.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.04%
39) 2-Hexanone-d5	10.93	63	18336	31.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	74549	22.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	76351	24.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.64%

Target Compounds

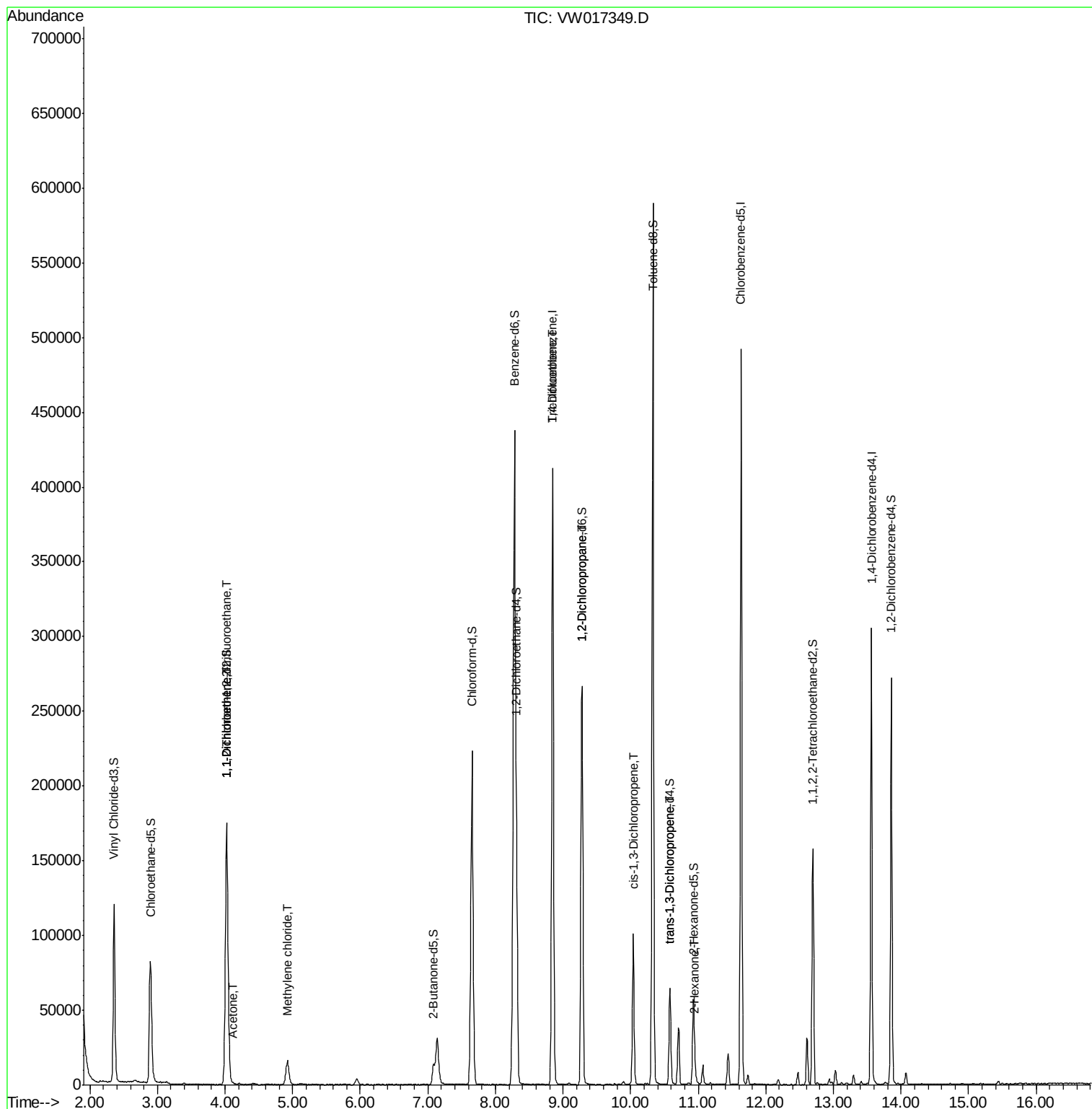
					Qvalue	
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1758	0.346	ug/L #	16
12) 1,1-Dichloroethene	4.02	96	1478	0.303	ug/L #	1
13) Acetone	4.12	43	597	0.907	ug/L	77
16) Methylene chloride	4.92	84	13938	2.196	ug/L	96
35) Trichloroethene	8.84	95	10669	2.276	ug/L #	2
40) 1,2-Dichloropropane	9.28	63	14648	3.907	ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	2743	0.471	ug/L #	53
45) trans-1,3-Dichloropropene	10.58	75	1673	0.339	ug/L	97
49) 2-Hexanone	10.96	43	3705	3.308	ug/L #	38

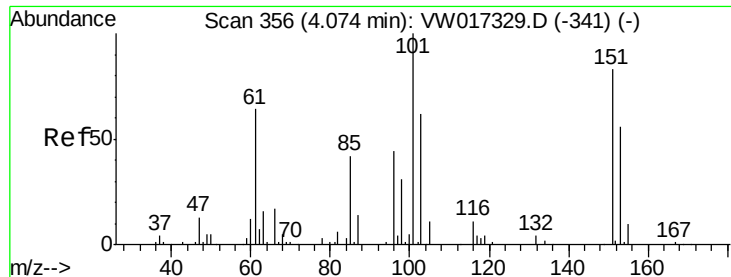
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#11

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

Concen: 0.346 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

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Acq: 18 Nov 2020 23:46

Instrument :

MSVOA_W

ClientSampleId :

C0B16

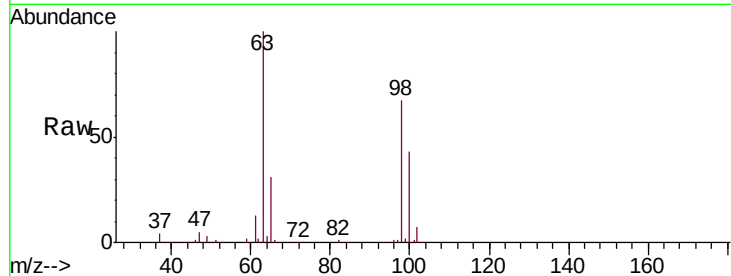
Tgt Ion: 101 Resp: 1758

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

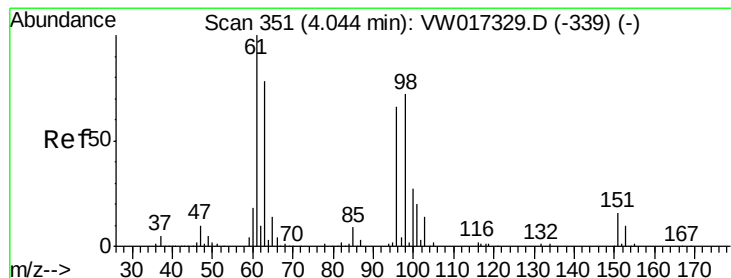
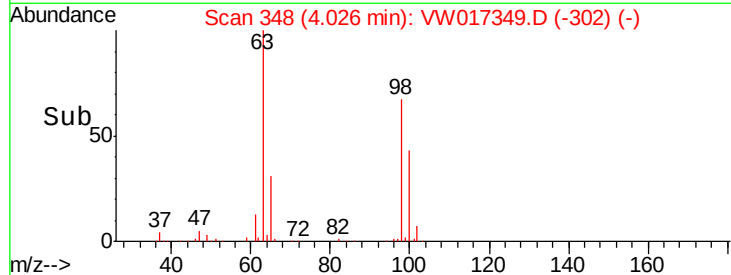
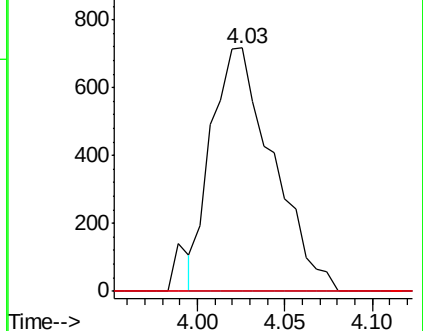
151 0.0 66.3 99.5#



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



#12

1,1-Dichloroethene

Concen: 0.303 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW017349.D

Acq: 18 Nov 2020 23:46

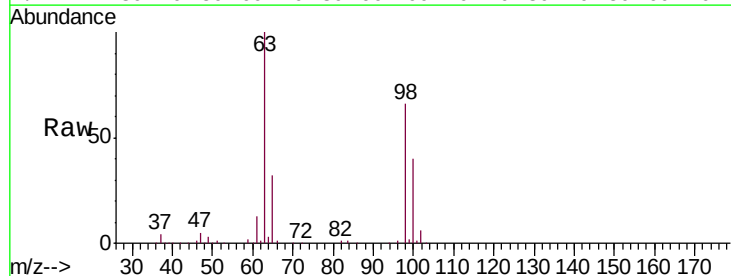
Tgt Ion: 96 Resp: 1478

Ion Ratio Lower Upper

96 100

61 1352.4 104.7 194.4#

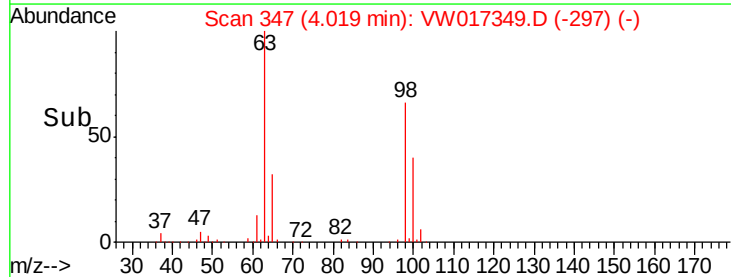
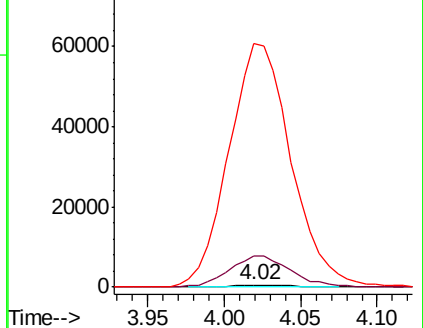
63 10582.6 69.6 129.2#

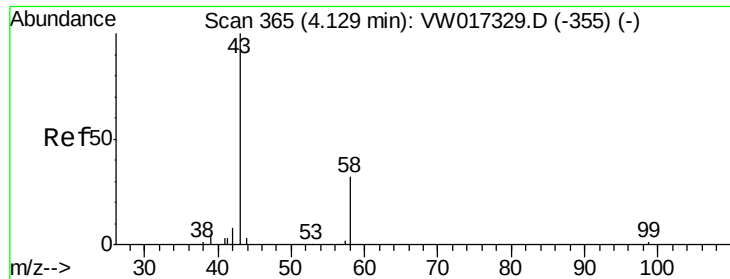


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 0.907 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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ClientSampleId :

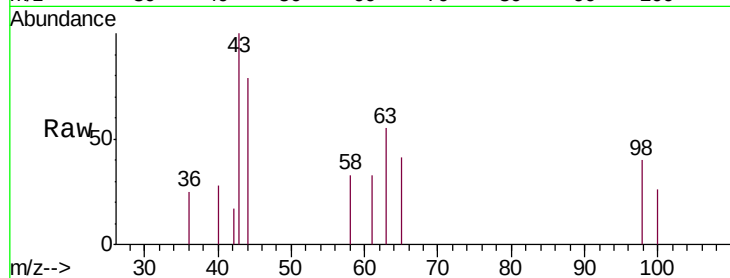
C0B16

Tgt Ion: 43 Resp: 597

Ion Ratio Lower Upper

43 100

58 20.4 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

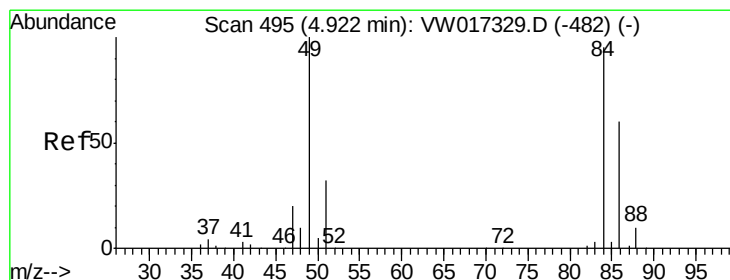
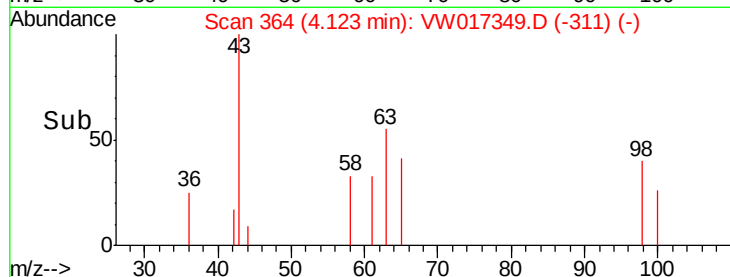
300

200

100

0

Time-->



#16

Methylene chloride

Concen: 2.196 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017349.D

Acq: 18 Nov 2020 23:46

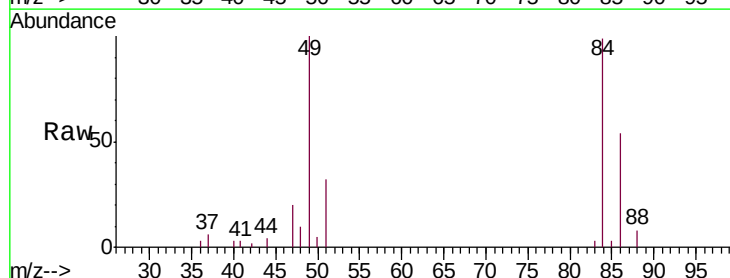
Tgt Ion: 84 Resp: 13938

Ion Ratio Lower Upper

84 100

49 101.5 71.5 132.9

86 54.7 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

6000

5000

4000

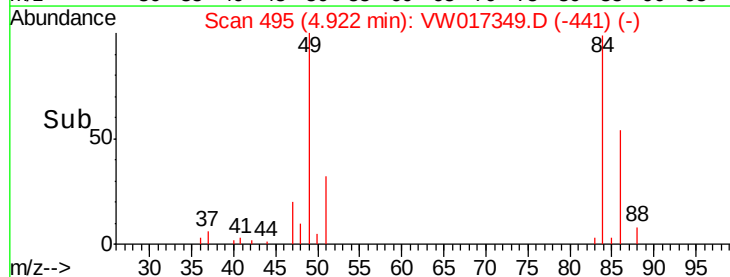
3000

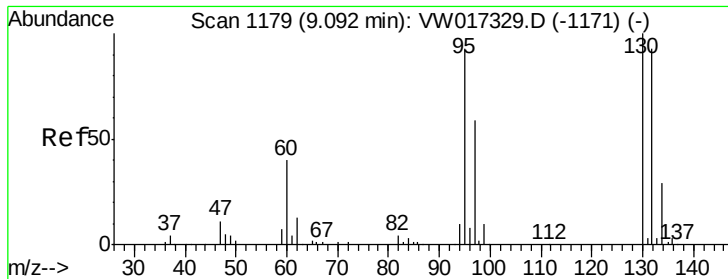
2000

1000

0

Time-->





#35

Trichloroethene

Concen: 2.276 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017349.D

Acq: 18 Nov 2020 23:46

Instrument :

MSVOA_W

ClientSampleId :

C0B16

Tgt Ion: 95 Resp: 10669

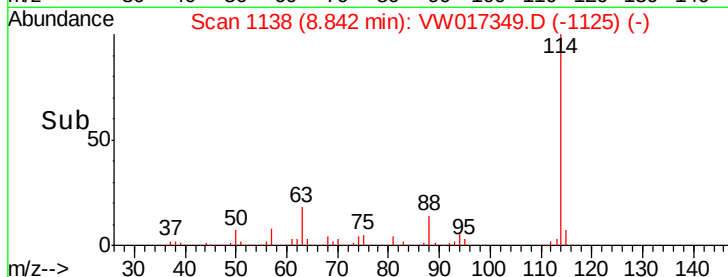
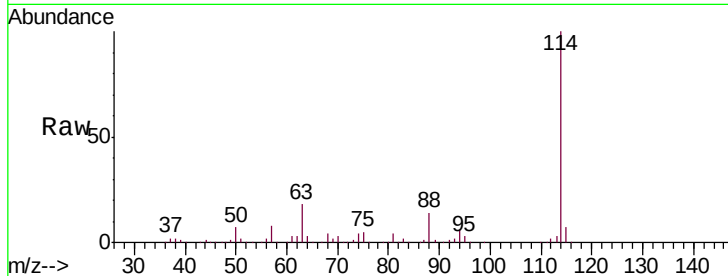
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#

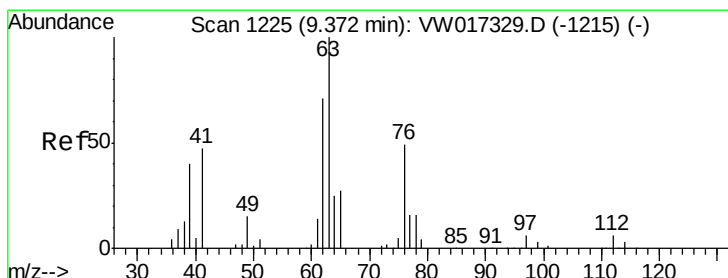
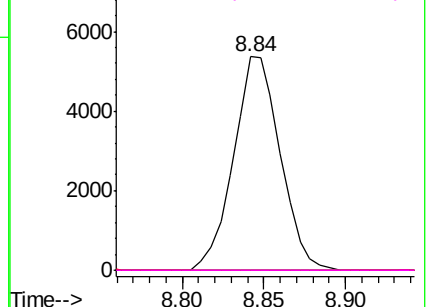


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 3.907 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017349.D

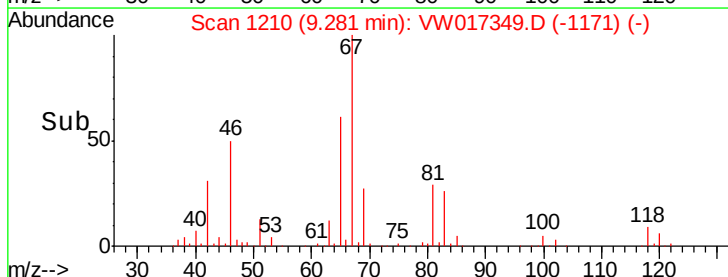
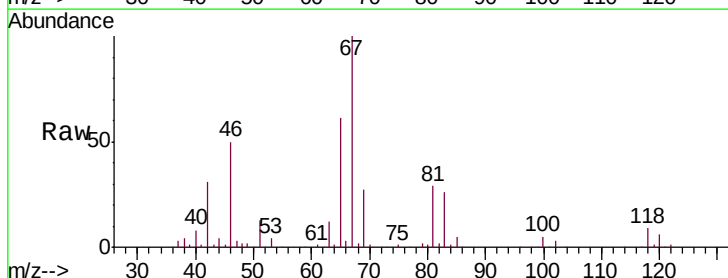
Acq: 18 Nov 2020 23:46

Tgt Ion: 63 Resp: 14648

Ion Ratio Lower Upper

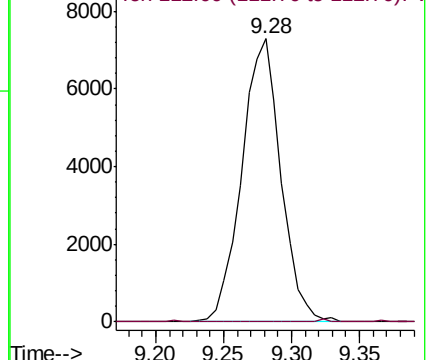
63 100

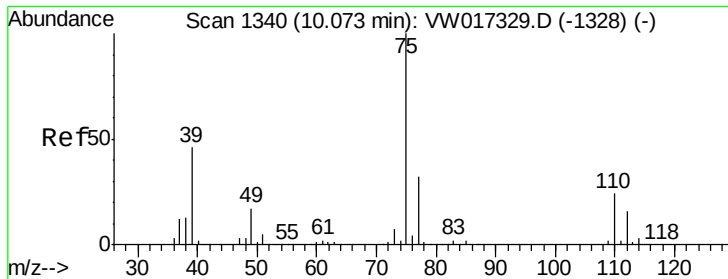
112 0.8 4.2 6.4#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.471 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017349.D

Acq: 18 Nov 2020 23:46

Instrument :

MSVOA_W

ClientSampleId :

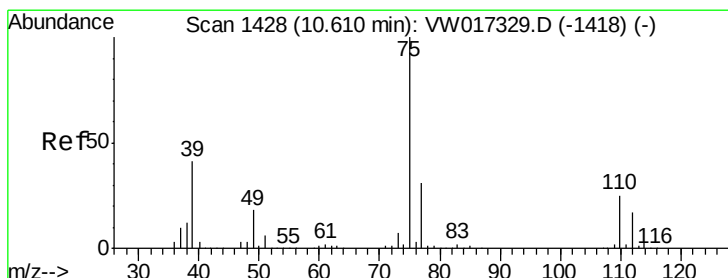
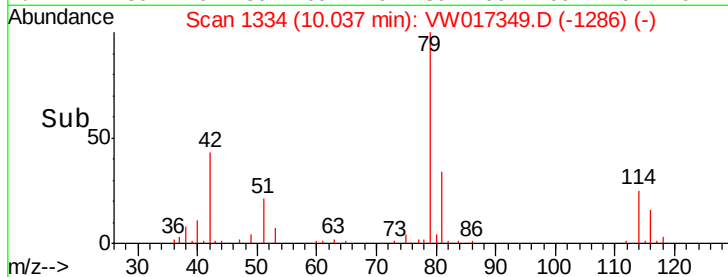
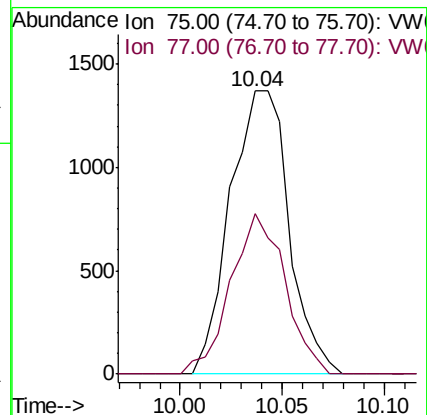
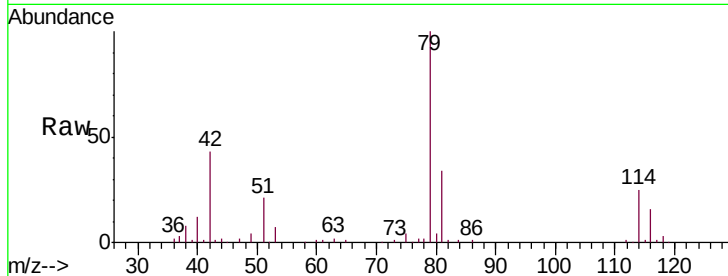
C0B16

Tgt Ion: 75 Resp: 2743

Ion Ratio Lower Upper

75 100

77 56.8 21.8 40.4#



#45

trans-1,3-Dichloropropene

Concen: 0.339 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017349.D

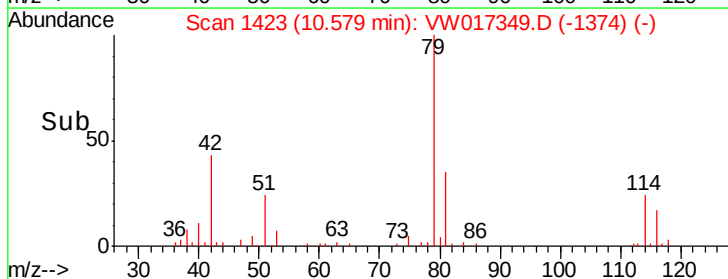
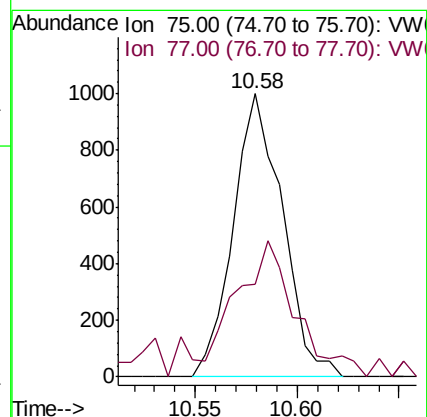
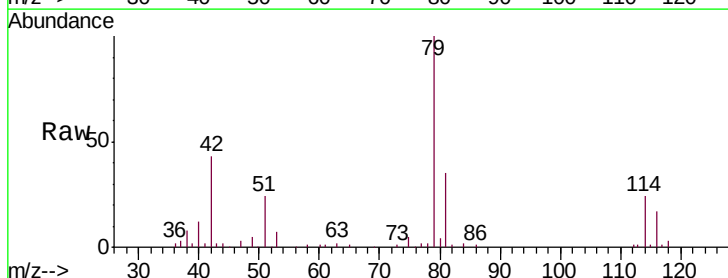
Acq: 18 Nov 2020 23:46

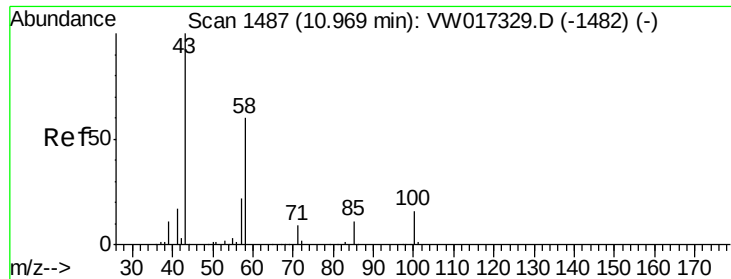
Tgt Ion: 75 Resp: 1673

Ion Ratio Lower Upper

75 100

77 32.8 22.0 40.8





#49

2-Hexanone

Concen: 3.308 ug/L

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

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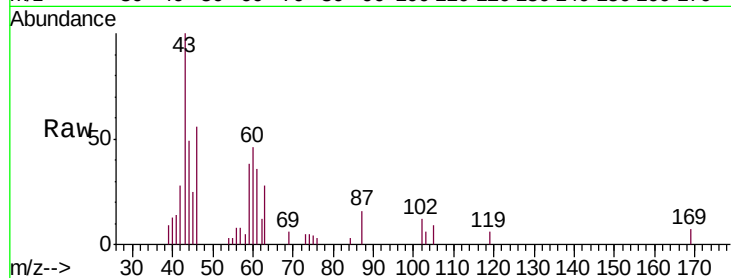
Acq: 18 Nov 2020 23:46

Instrument :

MSVOA_W

ClientSampleId :

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Tgt Ion: 43 Resp: 3705

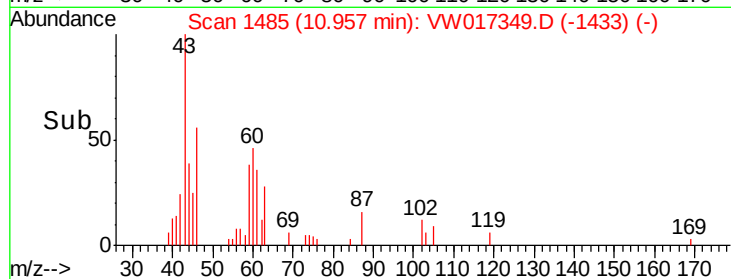
Ion Ratio Lower Upper

43 100

58 0.0 49.4 74.0#

57 7.9 17.0 25.4#

100 0.5 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

