

Data File : VW017408.D
Acq On : 20 Nov 2020 11:40
Operator : SY/VA
Sample : L4751-23
Misc : 5.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AY6

Quant Time: Nov 21 00:32:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 21 00:30:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	370599	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	313379	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	129893	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	133648	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.44%
7) Chloroethane-d5	2.89	69	110004	25.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.96%
10) 1,1-Dichloroethene-d2	4.03	63	174525	18.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.72%
20) 2-Butanone-d5	7.08	46	31528	34.99	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.98%
24) Chloroform-d	7.65	84	230946	23.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.88%
26) 1,2-Dichloroethane-d4	8.31	65	106474	22.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.52%
29) Benzene-d6	8.27	84	462907	26.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.80%
33) 1,2-Dichloropropane-d6	9.28	67	122542	26.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.16%
37) Toluene-d8	10.33	98	434733	26.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.56%
38) trans-1,3-Dichloropropene-	10.58	79	43912	21.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.72%
39) 2-Hexanone-d5	10.93	63	22470	35.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	77081	21.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	117420	24.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.96%

Target Compounds

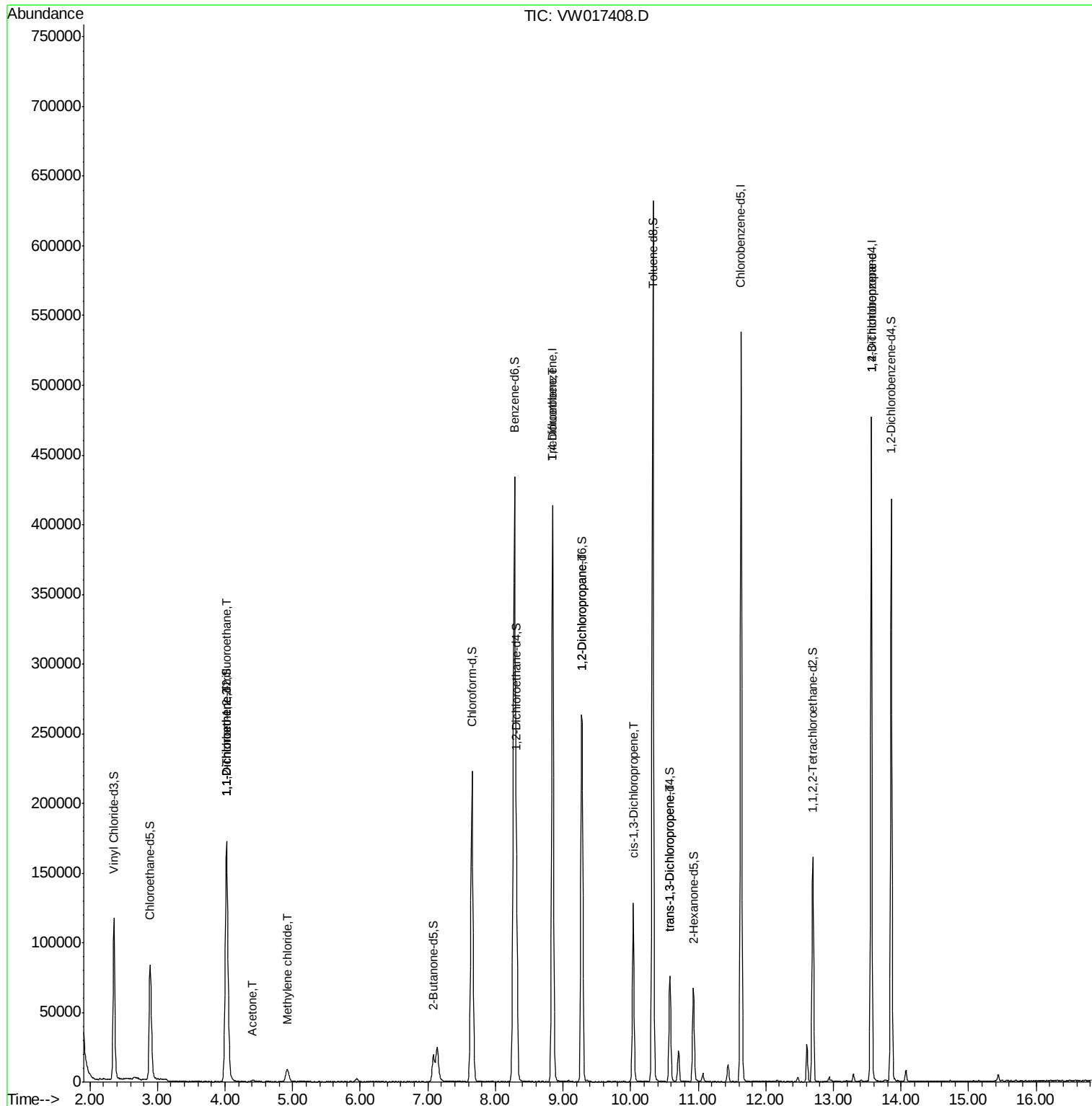
					Qvalue	
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1750	0.345	ug/L #	16
12) 1,1-Dichloroethene	4.02	96	1463	0.300	ug/L #	1
13) Acetone	4.40	43	216	0.329	ug/L	71
16) Methylene chloride	4.92	84	7910	1.248	ug/L	94
35) Trichloroethene	8.85	95	10766	2.150	ug/L #	2
40) 1,2-Dichloropropane	9.28	63	14745	3.682	ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	3443	0.554	ug/L	85
45) trans-1,3-Dichloropropene	10.58	75	2125	0.404	ug/L #	80
59) 1,2,3-Trichloropropane	13.56	75	14149	5.734	ug/L	99

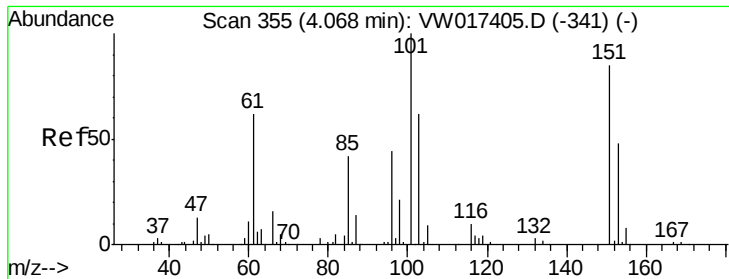
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

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

Concen: 0.345 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.04 min

Lab File: VW017408.D

Acq: 20 Nov 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

C0AY6

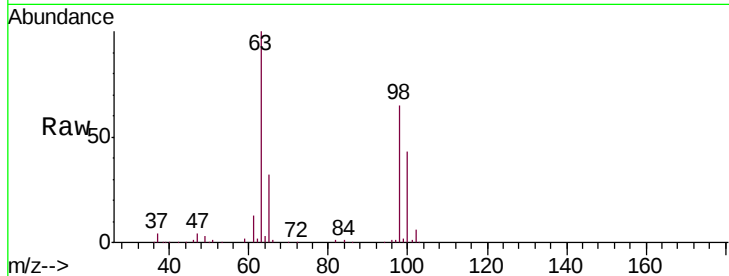
Tgt Ion: 101 Resp: 1750

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

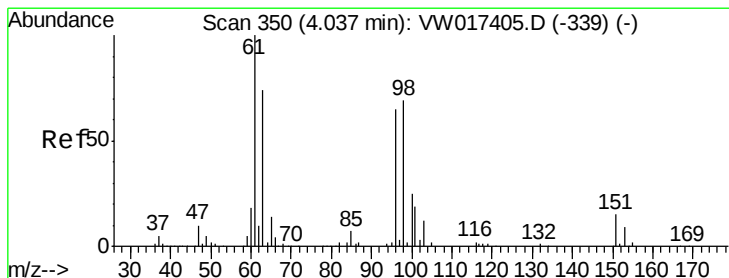
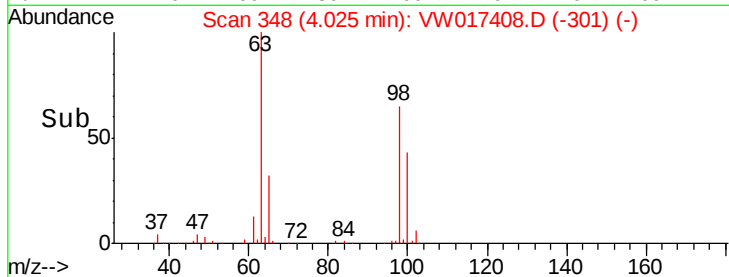
4.00

4.03

4.05

4.10

Time-->



#12

1,1-Dichloroethene

Concen: 0.300 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW017408.D

Acq: 20 Nov 2020 11:40

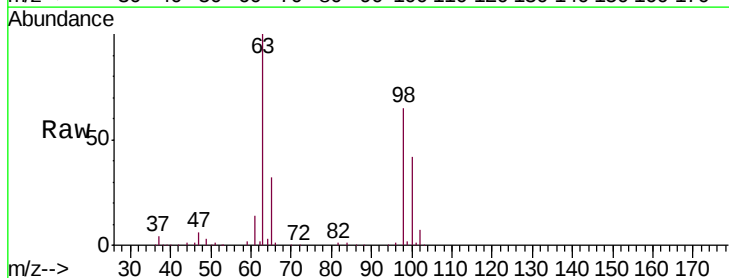
Tgt Ion: 96 Resp: 1463

Ion Ratio Lower Upper

96 100

61 1333.3 104.7 194.4#

63 9787.5 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

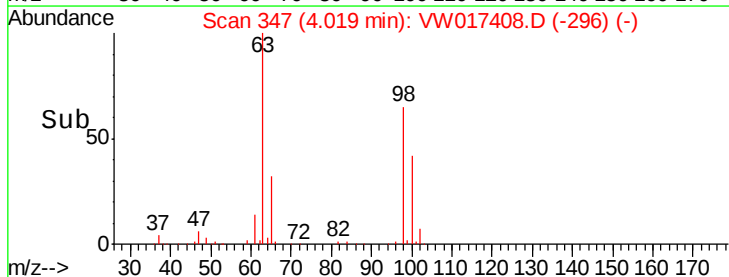
4.00

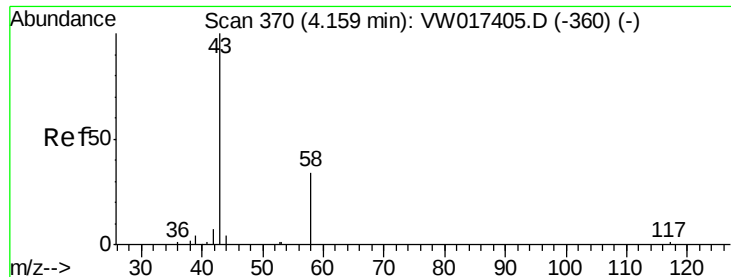
4.02

4.05

4.10

Time-->





#13

Acetone

Concen: 0.329 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.24 min

Lab File: VW017408.D

Acq: 20 Nov 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

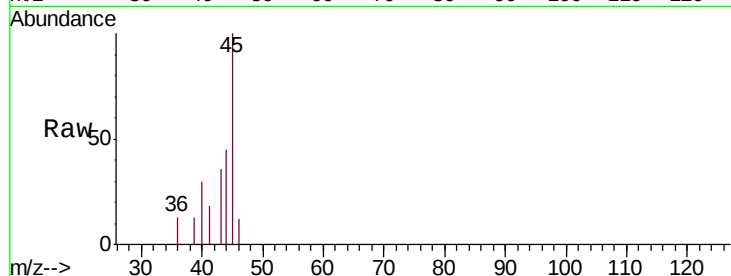
C0AY6

Tgt Ion: 43 Resp: 216

Ion Ratio Lower Upper

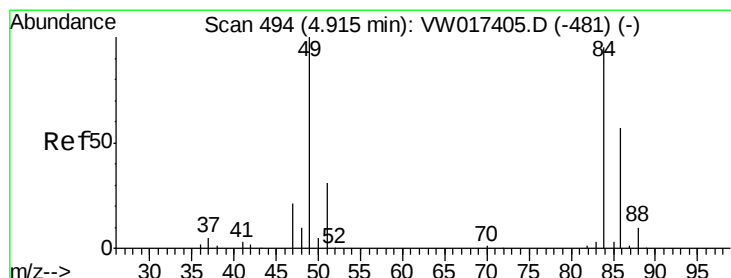
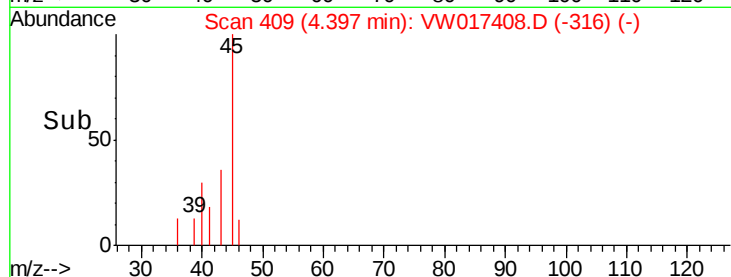
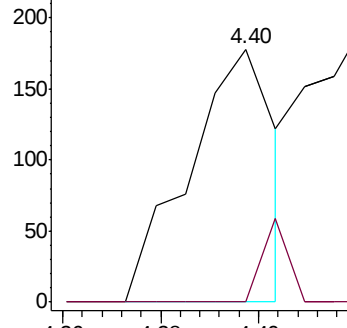
43 100

58 17.1 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: 1.248 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017408.D

Acq: 20 Nov 2020 11:40

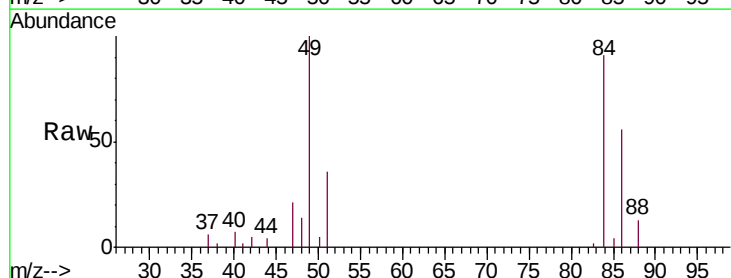
Tgt Ion: 84 Resp: 7910

Ion Ratio Lower Upper

84 100

49 110.4 71.5 132.9

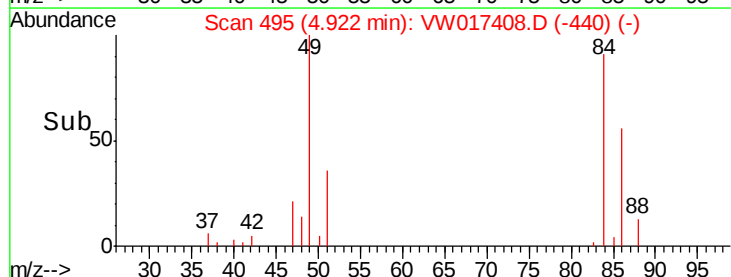
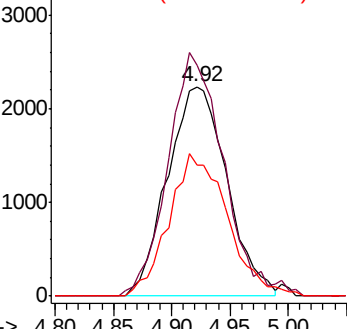
86 62.3 42.8 79.4

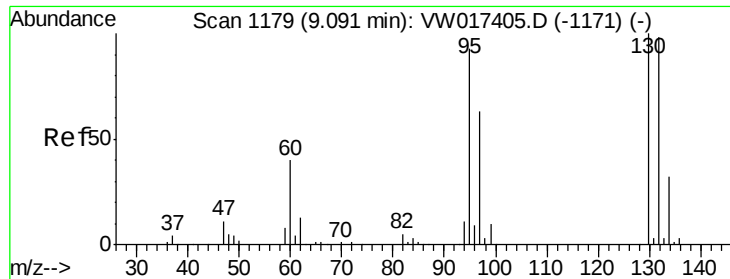


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#35

Trichloroethene

Concen: 2.150 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017408.D

Acq: 20 Nov 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

C0AY6

Tgt Ion: 95 Resp: 10766

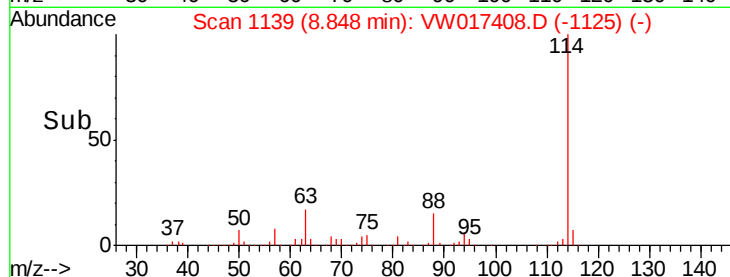
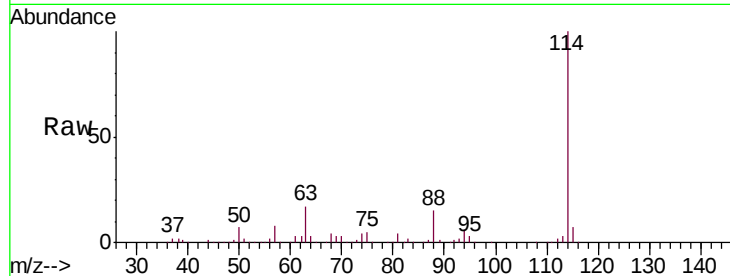
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#

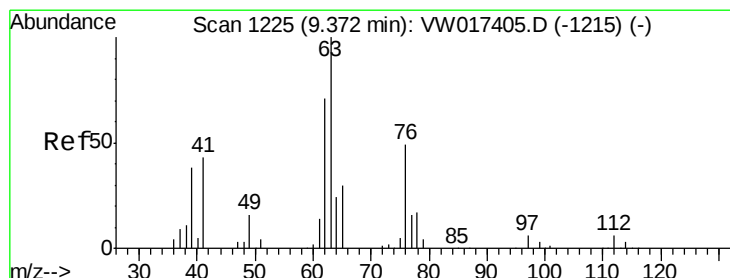
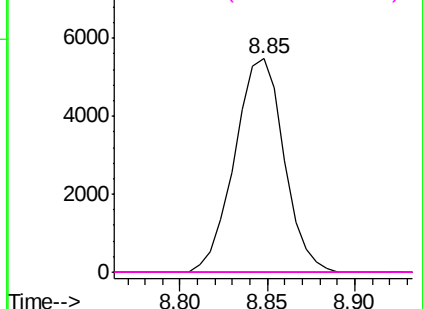


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 3.682 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017408.D

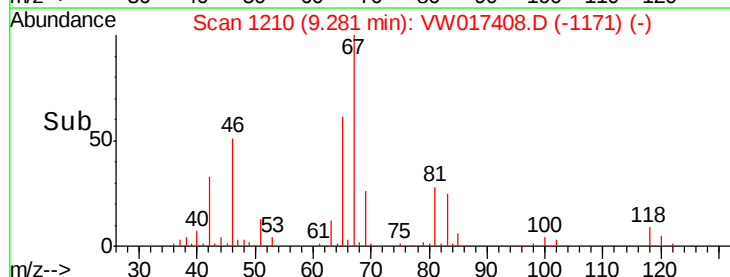
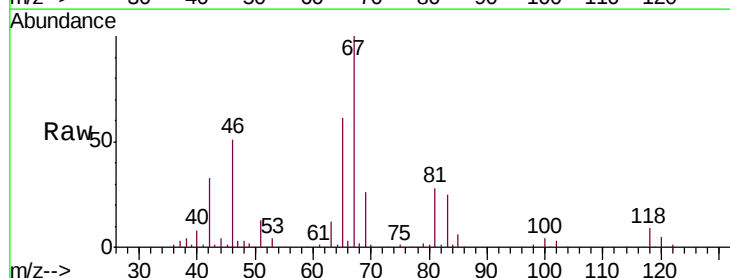
Acq: 20 Nov 2020 11:40

Tgt Ion: 63 Resp: 14745

Ion Ratio Lower Upper

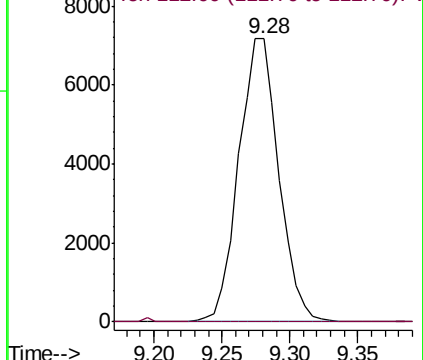
63 100

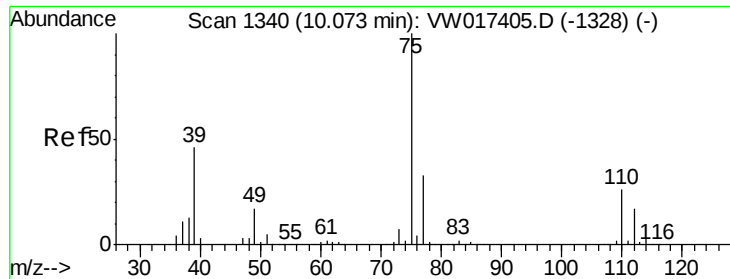
112 0.1 4.2 6.4#



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: 0.554 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017408.D

Acq: 20 Nov 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

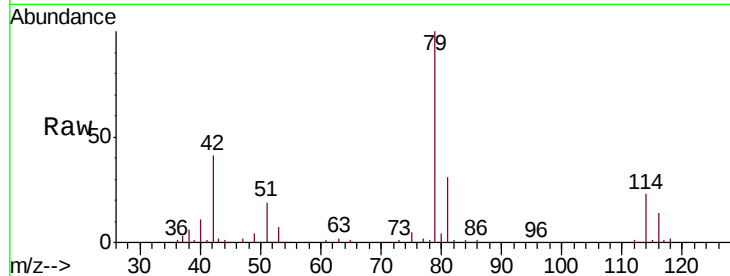
C0AY6

Tgt Ion: 75 Resp: 3443

Ion Ratio Lower Upper

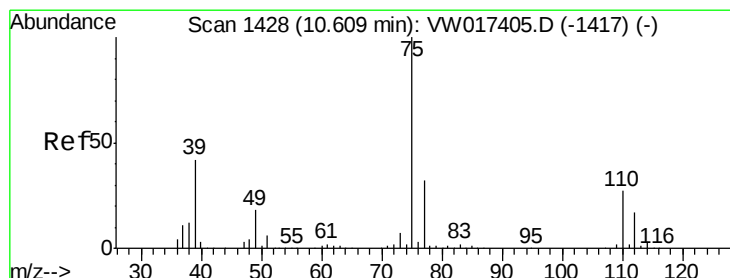
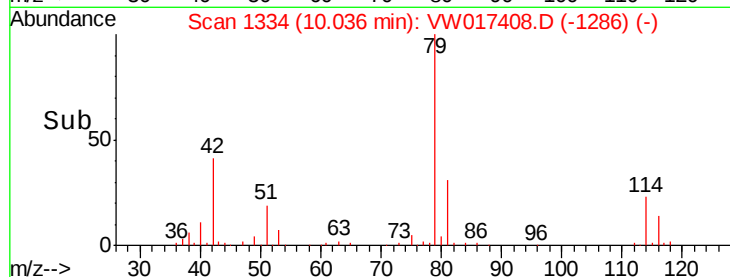
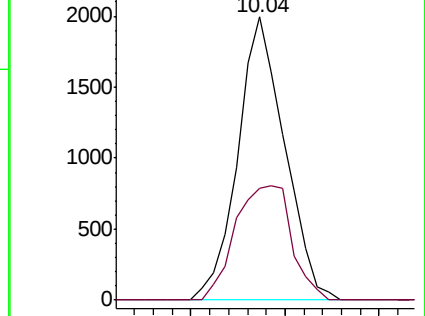
75 100

77 39.3 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: 0.404 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017408.D

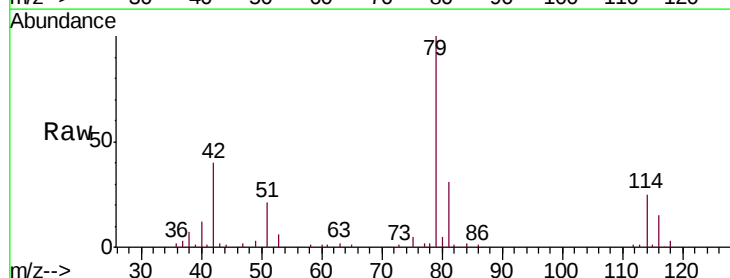
Acq: 20 Nov 2020 11:40

Tgt Ion: 75 Resp: 2125

Ion Ratio Lower Upper

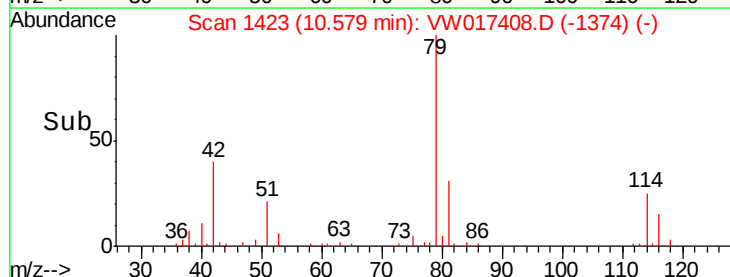
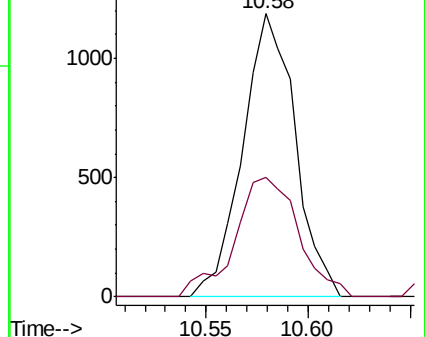
75 100

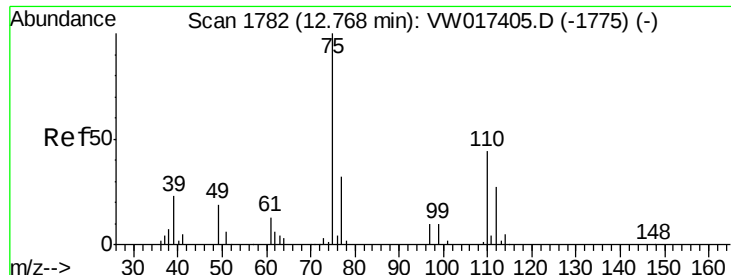
77 42.2 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#59

1,2,3-Trichloropropane

Concen: 5.734 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017408.D

Acq: 20 Nov 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

C0AY6

Tgt Ion: 75 Resp: 14149

Ion Ratio Lower Upper

75 100

77 32.7 26.6 40.0

