

Data File : VW017377.D
Acq On : 19 Nov 2020 17:20
Operator : SY/VA
Sample : L4751-16
Misc : 5.11G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AW3

Quant Time: Nov 20 01:21:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 20 01:18:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	353983	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	276873	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	90715	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	138378	26.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.60%
7) Chloroethane-d5	2.89	69	110086	26.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.80%
10) 1,1-Dichloroethene-d2	4.02	63	172064	18.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.08%
20) 2-Butanone-d5	7.07	46	28213	32.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.56%
24) Chloroform-d	7.65	84	228850	24.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.44%
26) 1,2-Dichloroethane-d4	8.31	65	109845	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.80%
29) Benzene-d6	8.28	84	455618	29.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.76%
33) 1,2-Dichloropropane-d6	9.27	67	121575	29.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.96%
37) Toluene-d8	10.32	98	396971	27.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.08%
38) trans-1,3-Dichloropropene-	10.58	79	34434	19.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.08%
39) 2-Hexanone-d5	10.93	63	19307	34.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	77290	24.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	82300	24.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.32%

Target Compounds

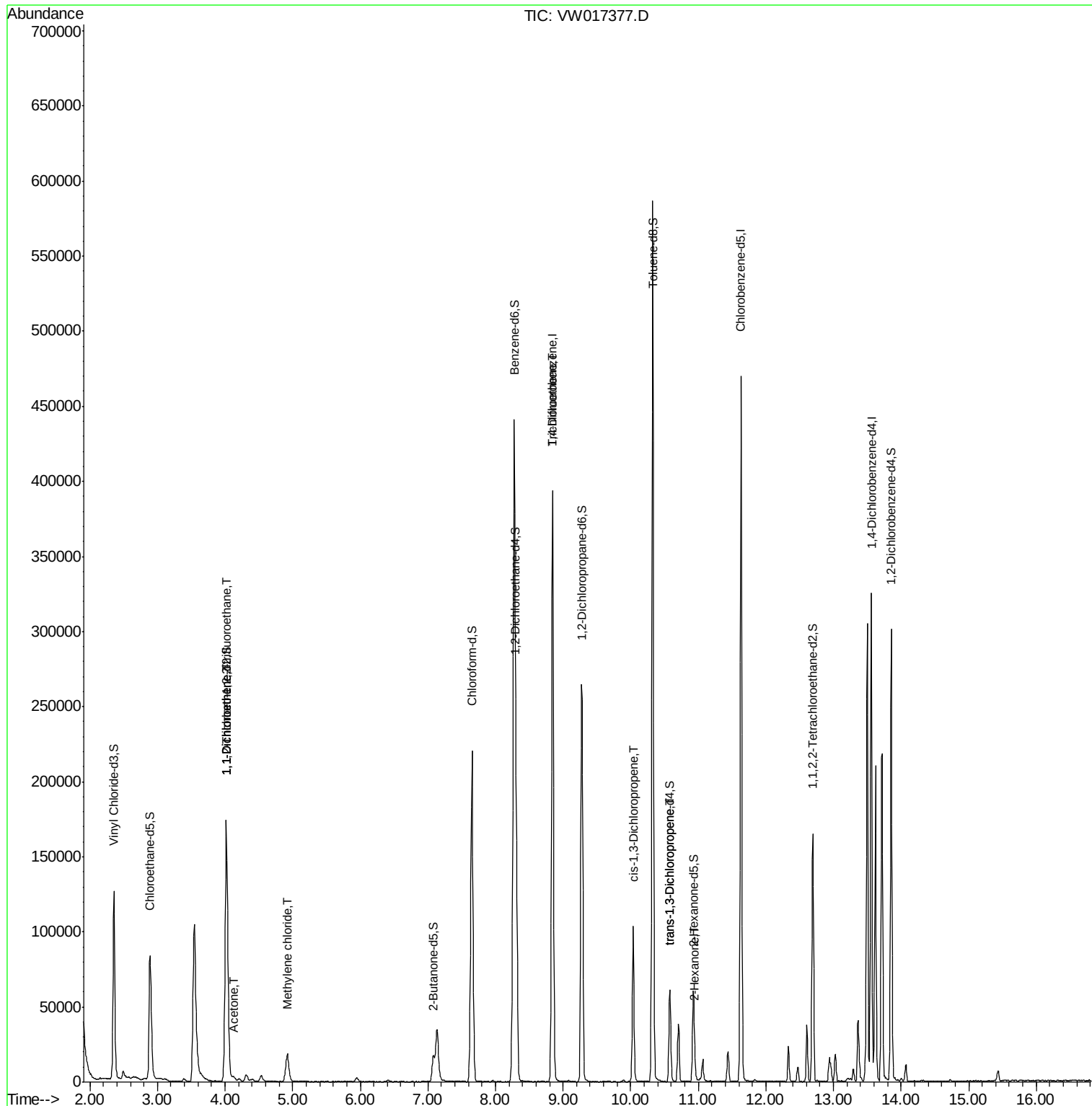
					Qvalue	
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1788	0.369 ug/L #	16	
12) 1,1-Dichloroethene	4.02	96	1476	0.317 ug/L #	1	
13) Acetone	4.12	43	5123	8.159 ug/L	52	
16) Methylene chloride	4.92	84	15692	2.592 ug/L	95	
35) Trichloroethene	8.84	95	10706	2.420 ug/L #	2	
42) cis-1,3-Dichloropropene	10.04	75	2834	0.516 ug/L #	81	
45) trans-1,3-Dichloropropene	10.59	75	1724	0.371 ug/L #	81	
49) 2-Hexanone	10.95	43	2201	2.083 ug/L #	37	

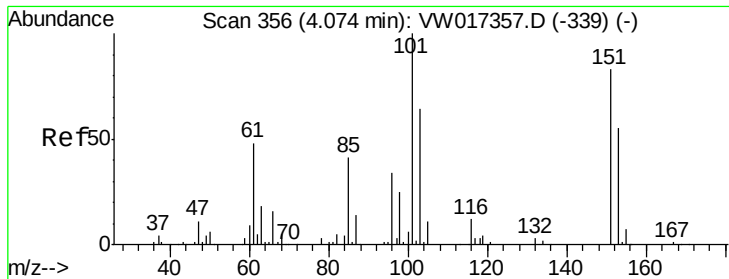
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

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

Concen: 0.369 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW017377.D

Acq: 19 Nov 2020 17:20

Instrument :

MSVOA_W

ClientSampleId :

C0AW3

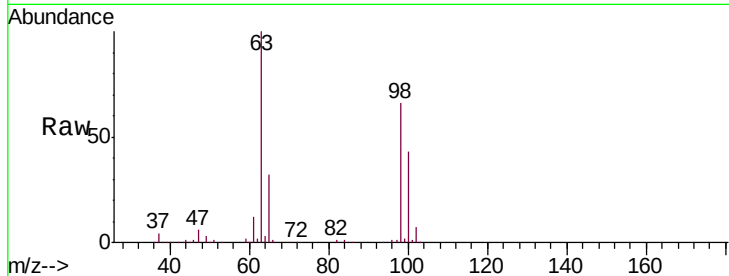
Tgt Ion: 101 Resp: 1788

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

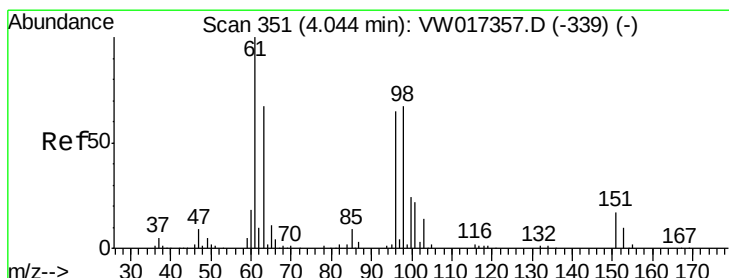
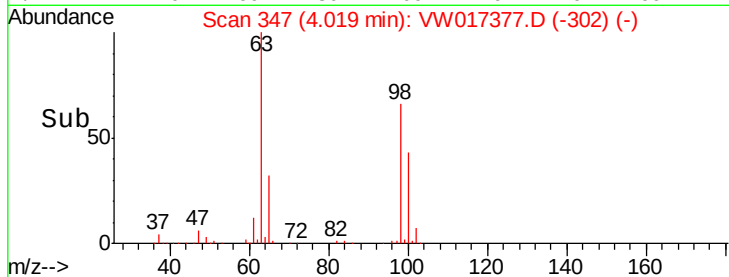
600

400

200

0

Time--> 3.95 4.00 4.05



#12

1,1-Dichloroethene

Concen: 0.317 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW017377.D

Acq: 19 Nov 2020 17:20

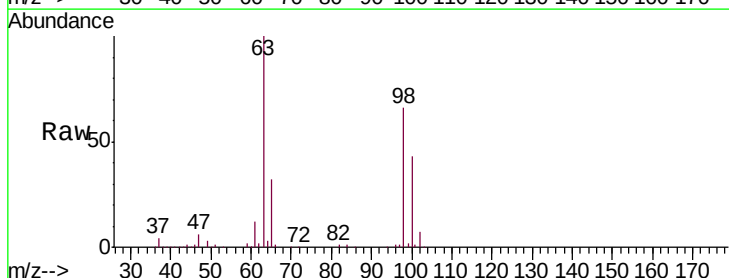
Tgt Ion: 96 Resp: 1476

Ion Ratio Lower Upper

96 100

61 1335.0 104.7 194.4#

63 11095.7 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

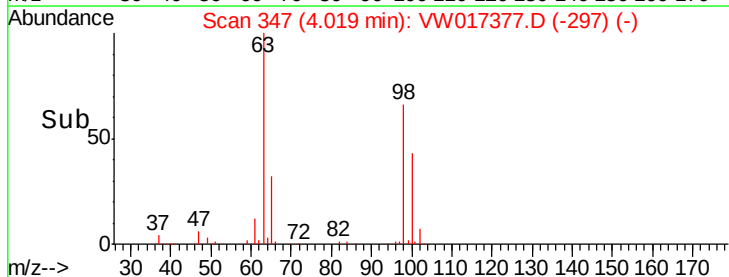
60000

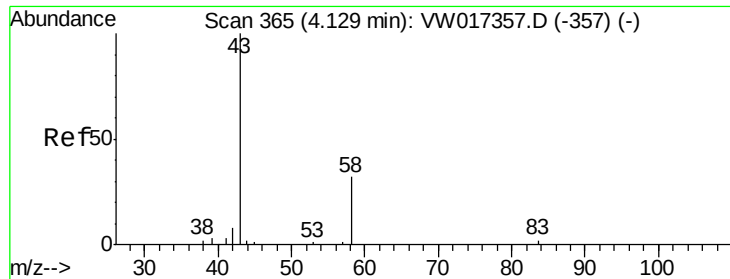
40000

20000

0

Time--> 3.95 4.00 4.05 4.10





#13

Acetone

Concen: 8.159 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017377.D

Acq: 19 Nov 2020 17:20

Instrument :

MSVOA_W

ClientSampleId :

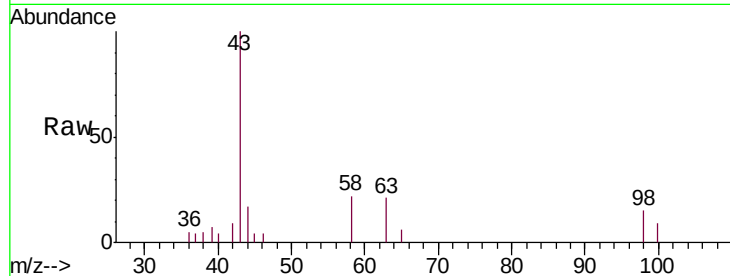
C0AW3

Tgt Ion: 43 Resp: 5123

Ion Ratio Lower Upper

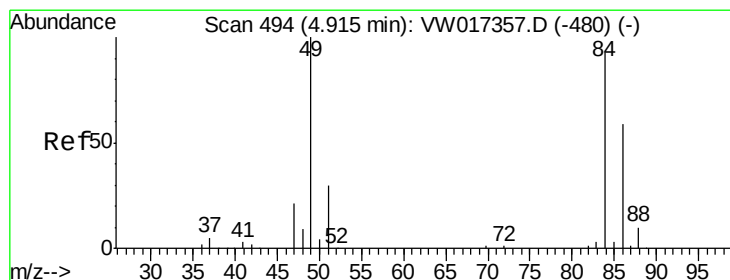
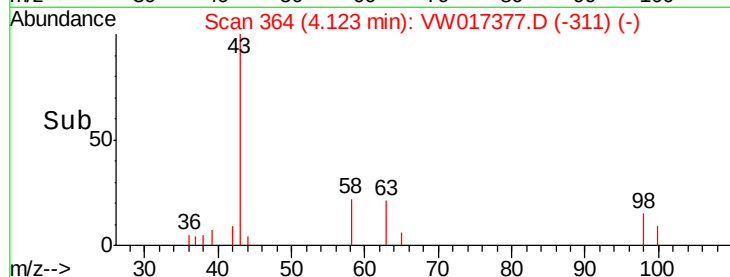
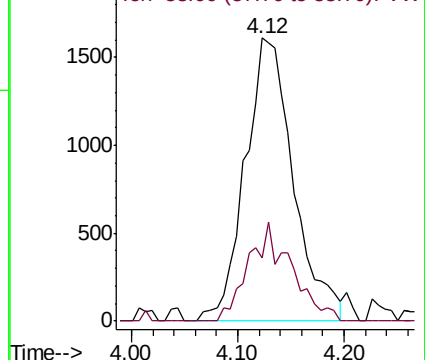
43 100

58 6.3 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: 2.592 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017377.D

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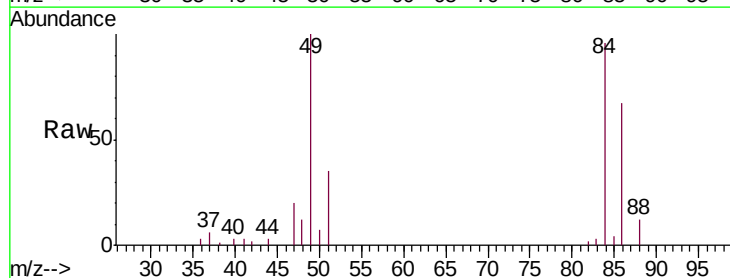
Tgt Ion: 84 Resp: 15692

Ion Ratio Lower Upper

84 100

49 103.9 71.5 132.9

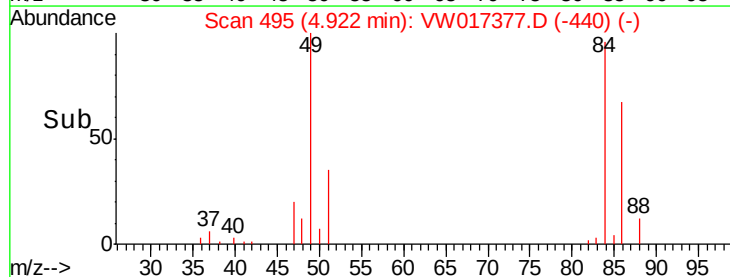
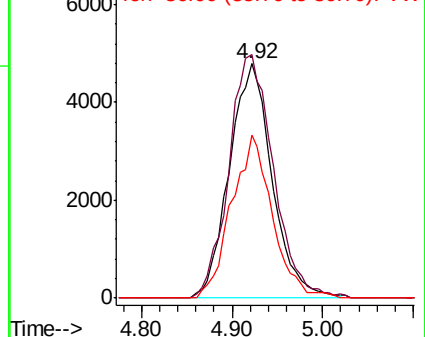
86 69.8 42.8 79.4

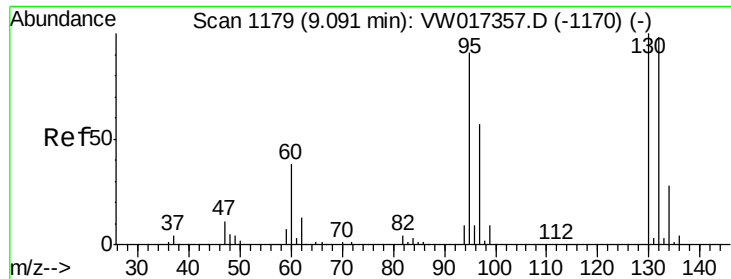


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#35

Trichloroethene

Concen: 2.420 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017377.D

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Instrument :

MSVOA_W

ClientSampleId :

C0AW3

Tgt Ion: 95 Resp: 10706

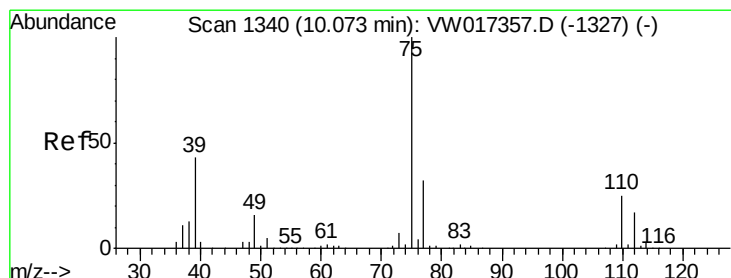
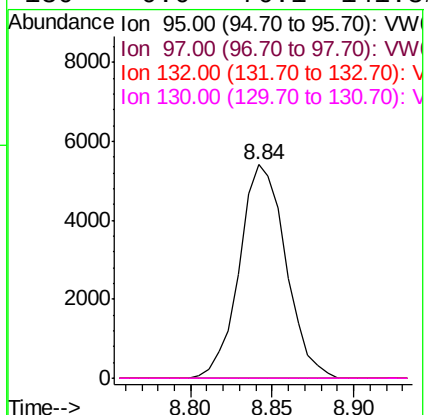
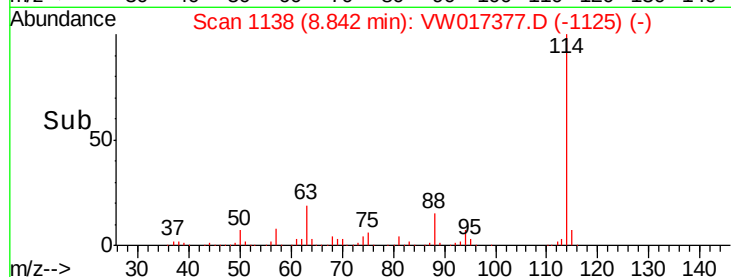
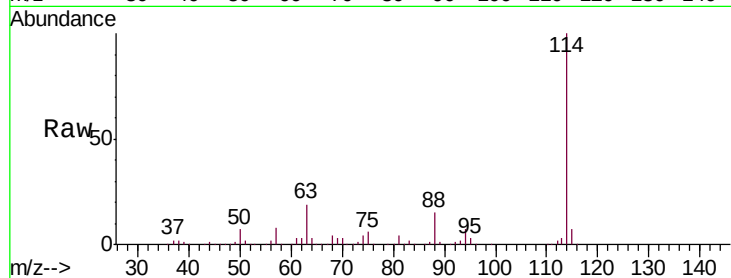
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#



#42

cis-1,3-Dichloropropene

Concen: 0.516 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017377.D

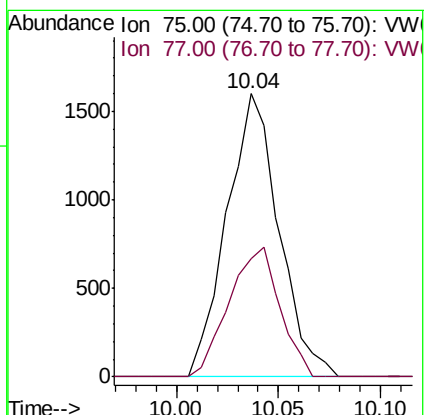
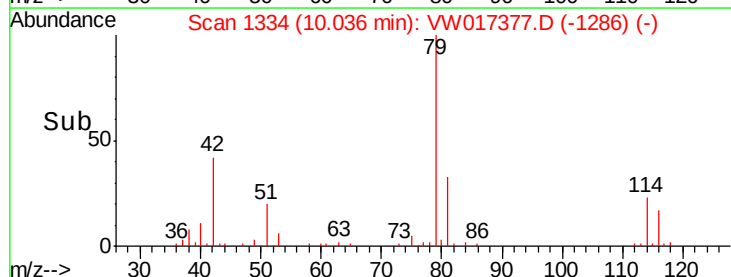
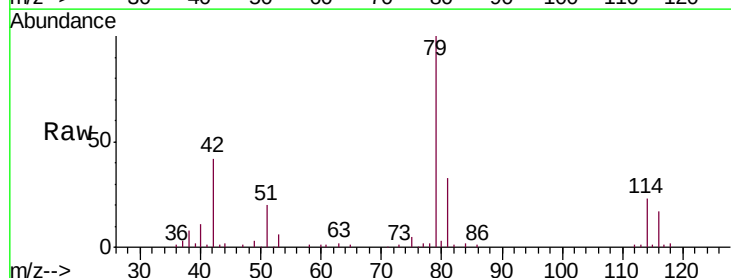
Acq: 19 Nov 2020 17:20

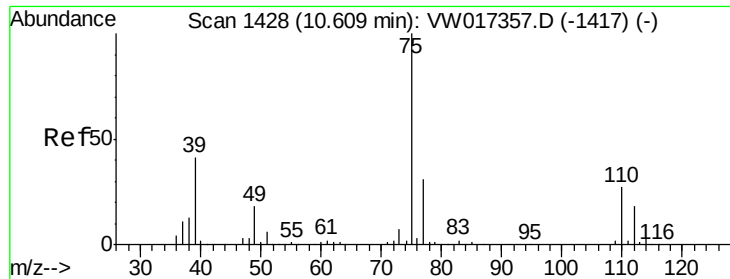
Tgt Ion: 75 Resp: 2834

Ion Ratio Lower Upper

75 100

77 41.6 21.8 40.4#





#45

trans-1,3-Dichloropropene

Concen: 0.371 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017377.D

Acq: 19 Nov 2020 17:20

Instrument :

MSVOA_W

ClientSampled :

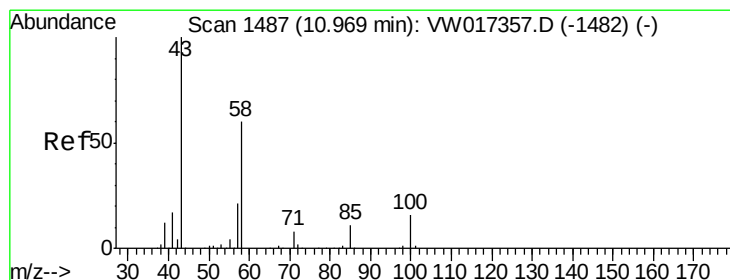
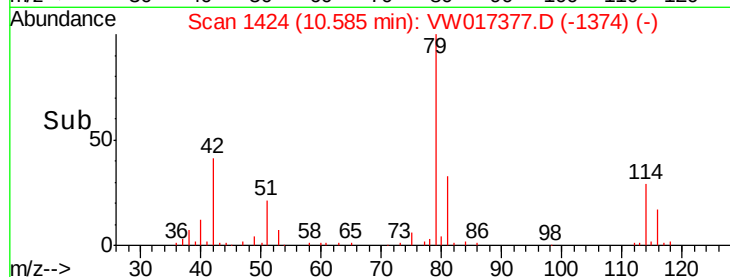
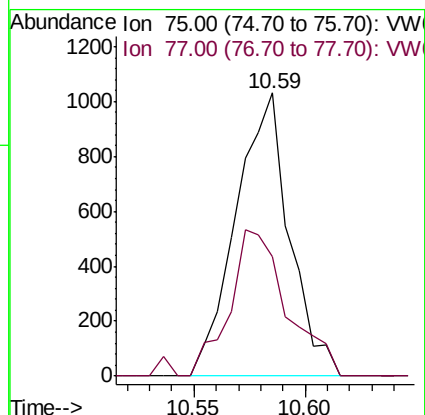
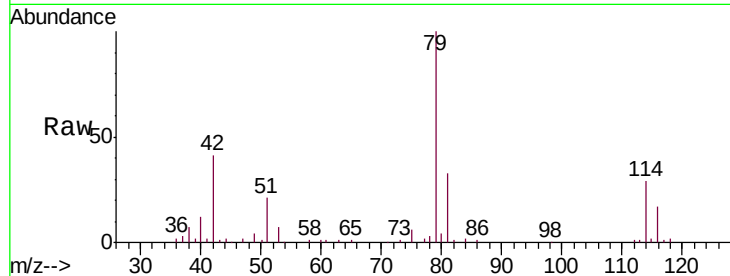
C0AW3

Tgt Ion: 75 Resp: 1724

Ion Ratio Lower Upper

75 100

77 42.0 22.0 40.8#



#49

2-Hexanone

Concen: 2.083 ug/L

RT: 10.95 min Scan# 1484

Delta R.T. -0.02 min

Lab File: VW017377.D

Acq: 19 Nov 2020 17:20

Tgt Ion: 43 Resp: 2201

Ion Ratio Lower Upper

43 100

58 2.5 49.4 74.0#

57 2.0 17.0 25.4#

100 0.0 13.1 19.7#

