

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\
 Data File : VW017553.D
 Acq On : 04 Dec 2020 14:07
 Operator : SY/VA
 Sample : L4941-04
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AY1

Quant Time: Dec 05 07:37:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 05 07:36:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	387293	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	317471	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	110423	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	97100	18.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.08%
7) Chloroethane-d5	2.90	69	87885	20.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.52%
10) 1,1-Dichloroethene-d2	4.15	63	186	0.02	ug/L	0.12
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.08%#
20) 2-Butanone-d5	7.09	46	46908	41.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.96%
24) Chloroform-d	7.65	84	247416	21.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	8.31	65	127098	22.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.00%
29) Benzene-d6	8.28	84	462978	23.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.16%
33) 1,2-Dichloropropane-d6	9.27	67	138485	24.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.68%
37) Toluene-d8	10.33	98	400477	22.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.92%
38) trans-1,3-Dichloropropene-	10.58	79	47130	19.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.44%
39) 2-Hexanone-d5	10.93	63	26509	38.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	89312	22.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.20%
61) 1,2-Dichlorobenzene-d4	13.86	152	94439	22.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.64%

Target Compounds

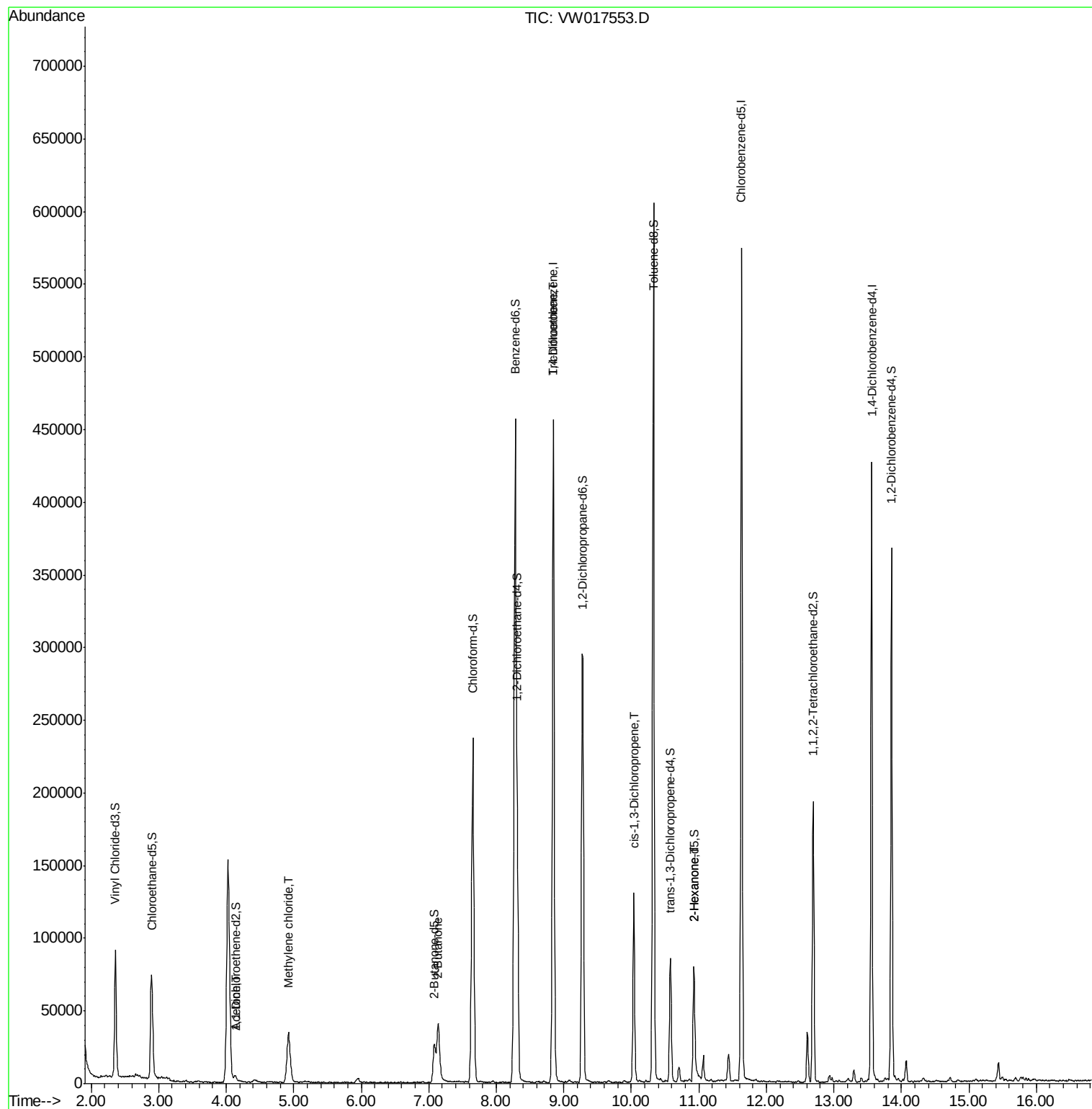
					Ovalue
13) Acetone	4.14	43	3946	3.628 ug/L	43
16) Methylene chloride	4.93	84	28926	4.953 ug/L	98
21) 2-Butanone	7.14	43	1034	0.802 ug/L	73
35) Trichloroethene	8.85	95	11819	2.214 ug/L #	3
42) cis-1,3-Dichloropropene	10.04	75	3674	0.522 ug/L #	55
49) 2-Hexanone	10.93	43	4579	2.964 ug/L #	55

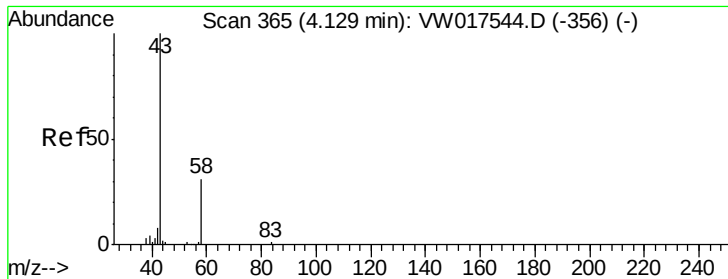
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 05 07:36:07 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.628 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017553.D

Acq: 04 Dec 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

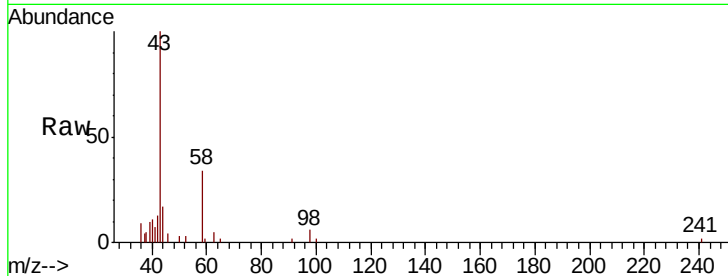
C0AY1

Tot Ion: 43 Resp: 3946

Ion Ratio Lower Upper

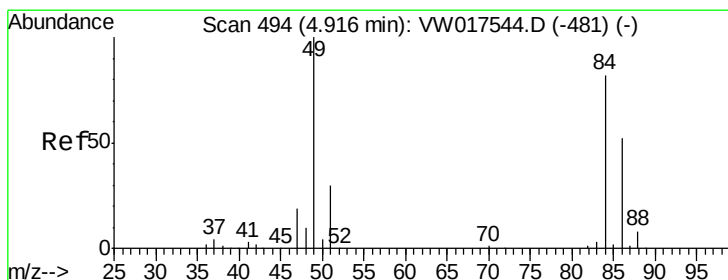
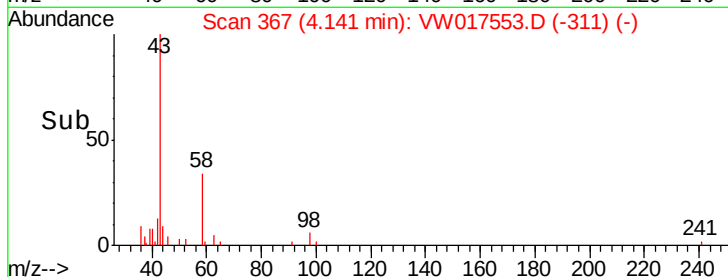
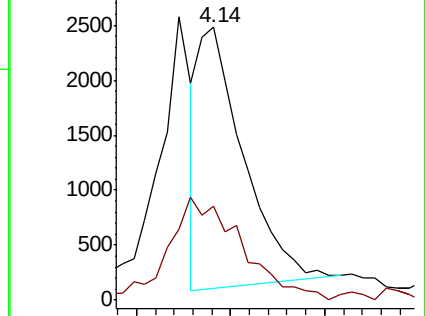
43 100

58 1.7 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 4.953 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW017553.D

Acq: 04 Dec 2020 14:07

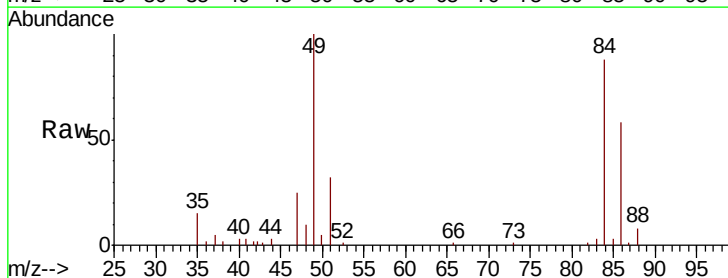
Tgt Ion: 84 Resp: 28926

Ion Ratio Lower Upper

84 100

49 113.6 81.2 150.8

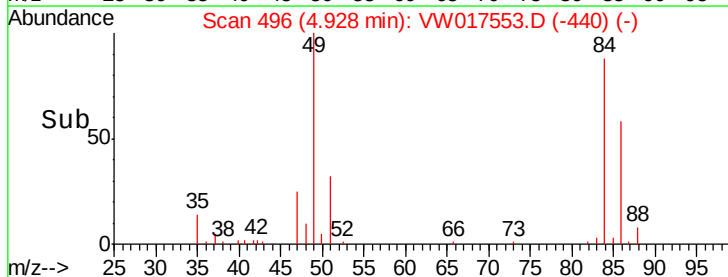
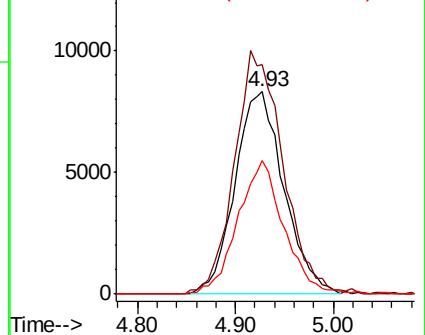
86 65.9 44.5 82.7

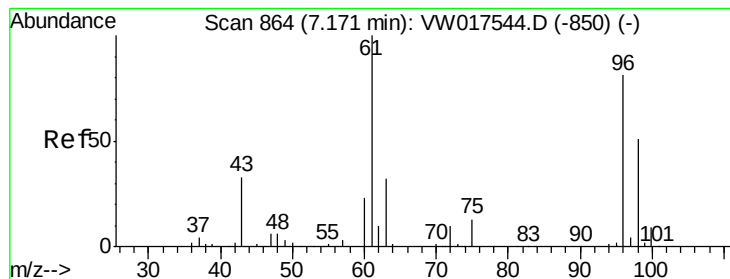


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 0.802 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW017553.D

Acq: 04 Dec 2020 14:07

Instrument :

MSVOA_W

ClientSampled :

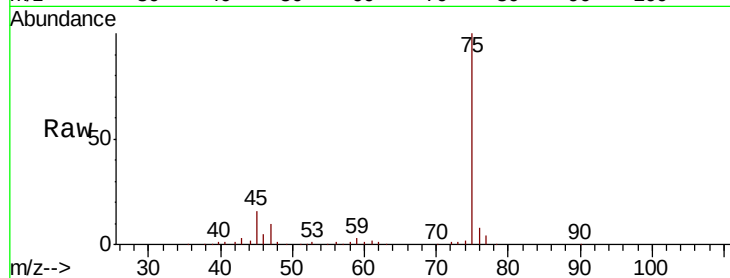
C0AY1

Tot Ion: 43 Resp: 1034

Ion Ratio Lower Upper

43 100

72 14.4 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.14

800

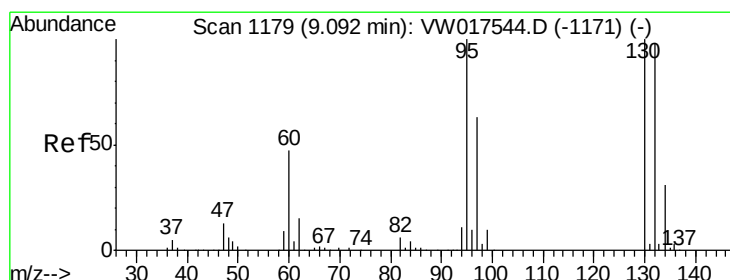
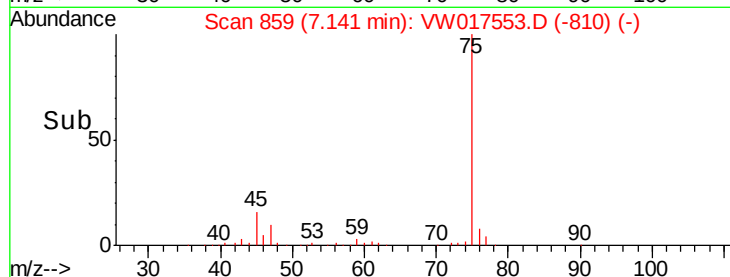
600

400

200

0

Time-->



#35

Trichloroethene

Concen: 2.214 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017553.D

Acq: 04 Dec 2020 14:07

Tgt Ion: 95 Resp: 11819

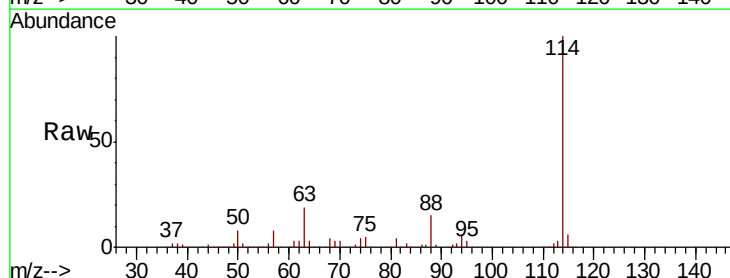
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 71.0 131.8#

130 0.0 75.6 140.4#



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

8000

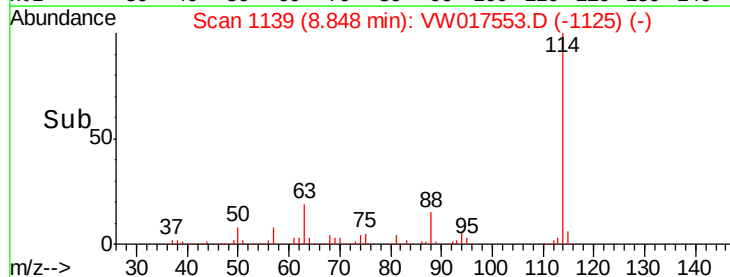
6000

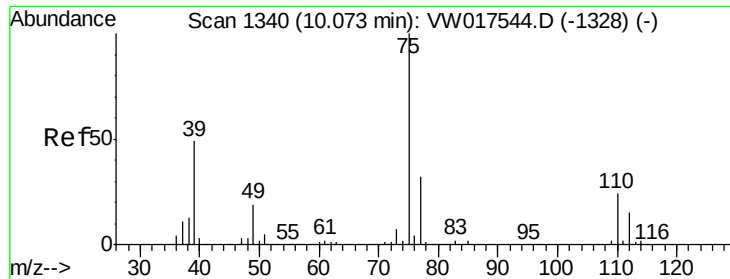
4000

2000

0

Time-->

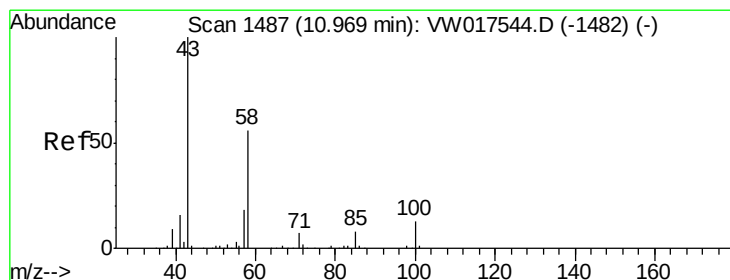
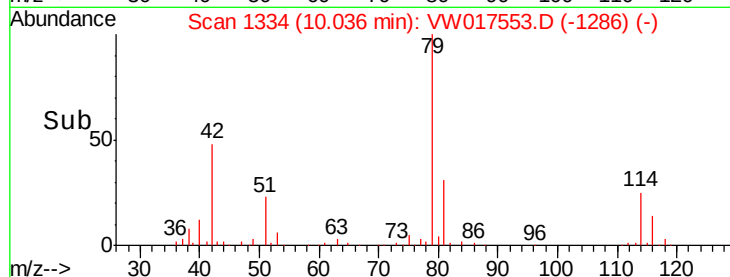
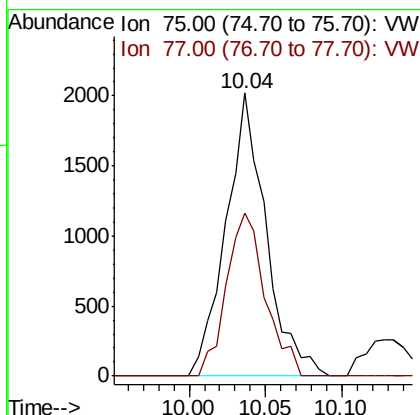
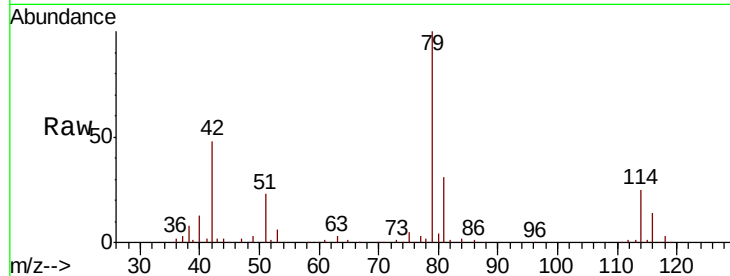




#42
 cis-1,3-Dichloropropene
 Concen: 0.522 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017553.D
 Acq: 04 Dec 2020 14:07

Instrument :
 MSVOA_W
 ClientSampled :
 C0AY1

Tot Ion: 75 Resp: 3674
 Ion Ratio Lower Upper
 75 100
 77 57.6 22.7 42.3#



#49
 2-Hexanone
 Concen: 2.964 ug/L
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.04 min
 Lab File: VW017553.D
 Acq: 04 Dec 2020 14:07

Tgt Ion: 43 Resp: 4579
 Ion Ratio Lower Upper
 43 100
 58 20.9 51.3 76.9#
 57 26.7 15.0 22.6#
 100 0.4 12.2 18.2#

