

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091020\
 Data File : VU040091.D
 Acq On : 10 Sep 2020 19:11
 Operator : SY/MD
 Sample : L3961-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y34

Quant Time: Sep 11 05:12:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 11 01:49:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	100256	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	105101	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45684	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30142	5.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.20%
7) Chloroethane-d5	1.92	69	24301	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.58	63	48246	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	4.65	46	98704	45.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.16%
24) Chloroform-d	5.08	84	59171	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.72	65	36354	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.75	84	109424	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.70	67	35730	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.91	98	91615	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	8.19	79	13396	3.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.20%
46) 2-Hexanone-d5	8.64	63	71842	40.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	31767	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	34529	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

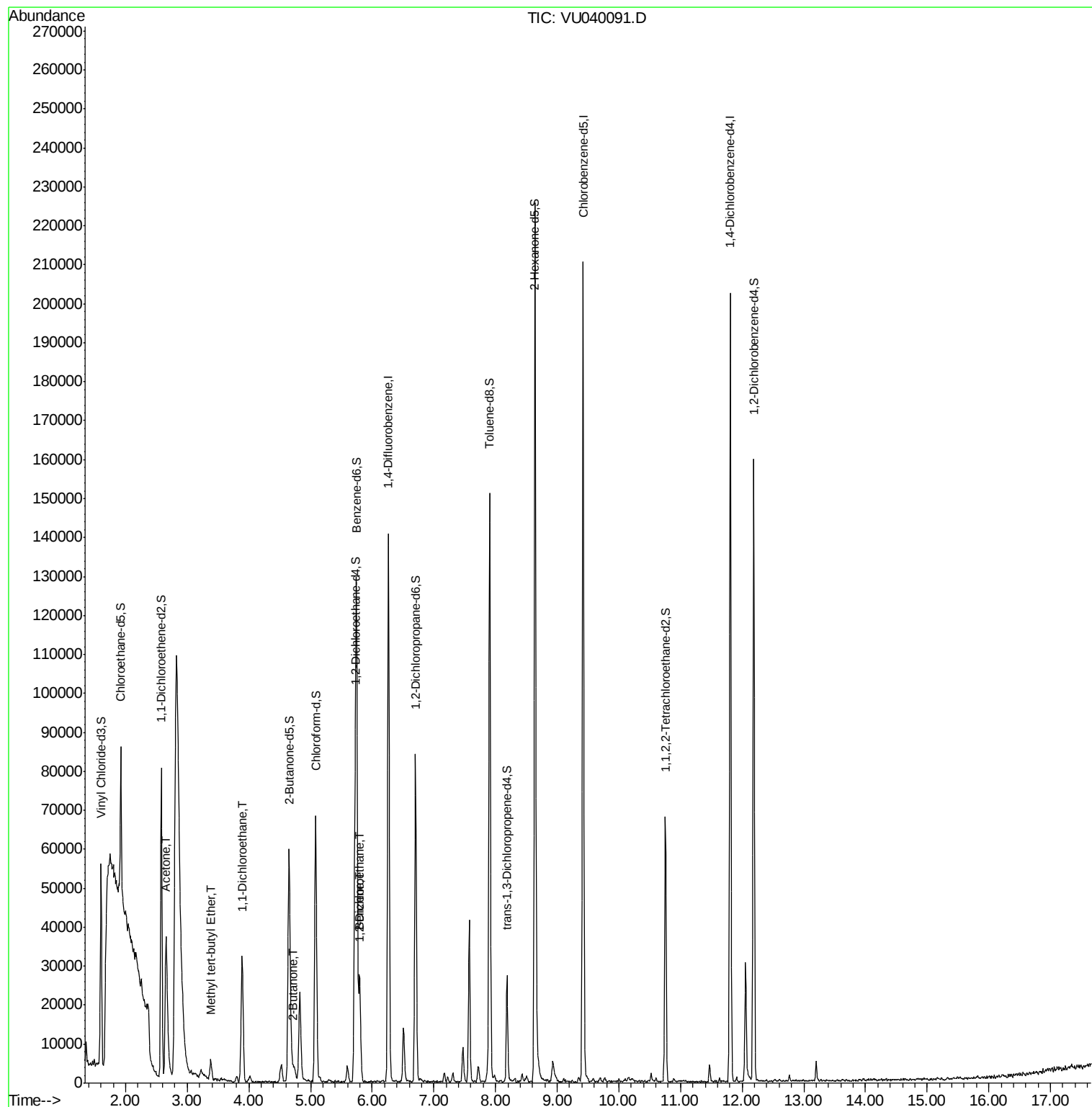
					Ovalue
13) Acetone	2.66	43	66507	32.814 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	3948	0.169 ug/L #	88
19) 1,1-Dichloroethane	3.89	63	36298	2.113 ug/L	97
21) 2-Butanone	4.73	43	4539	1.372 ug/L	84
27) 1,2-Dichloroethane	5.81	62	6375	0.495 ug/L #	90
33) Benzene	5.79	78	21306	0.567 ug/L	100

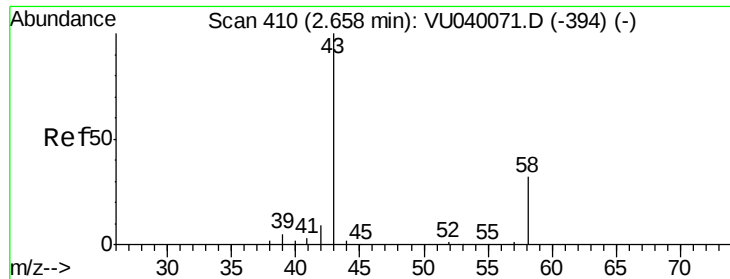
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 32.814 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040091.D

Acq: 10 Sep 2020 19:11

Instrument :

MSVOA_U

ClientSampled :

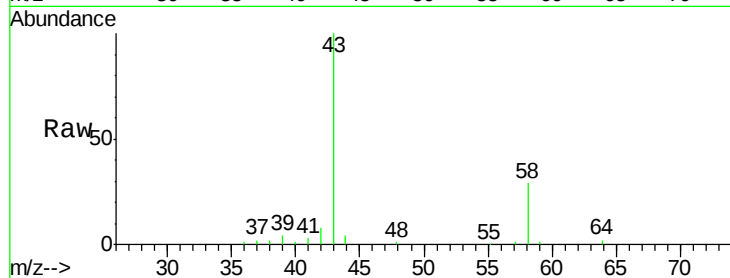
F4Y34

Tot Ion: 43 Resp: 66507

Ion Ratio Lower Upper

43 100

58 29.8 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

25000

20000

15000

10000

5000

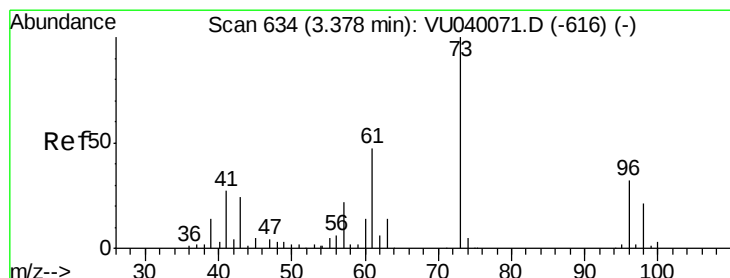
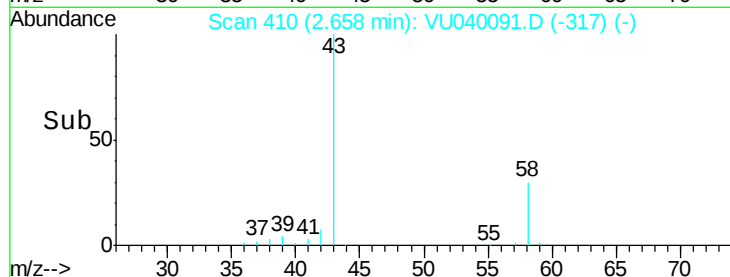
0

Time-->

2.60

2.70

2.80



#17

Methyl tert-butyl Ether

Concen: 0.169 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040091.D

Acq: 10 Sep 2020 19:11

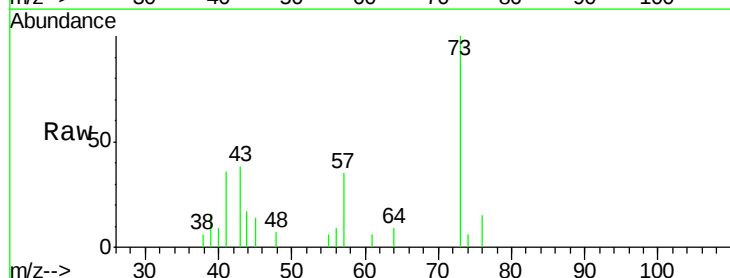
Tgt Ion: 73 Resp: 3948

Ion Ratio Lower Upper

73 100

43 32.7 19.1 28.7#

57 25.5 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

2500

2000

1500

1000

500

0

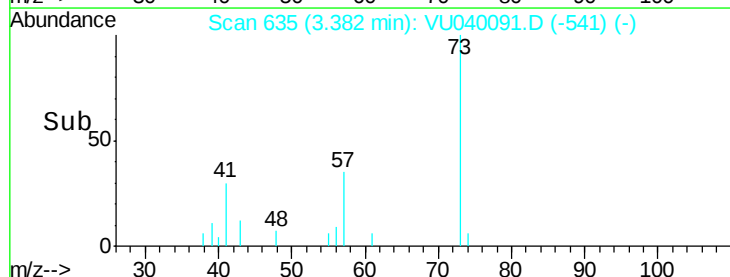
Time-->

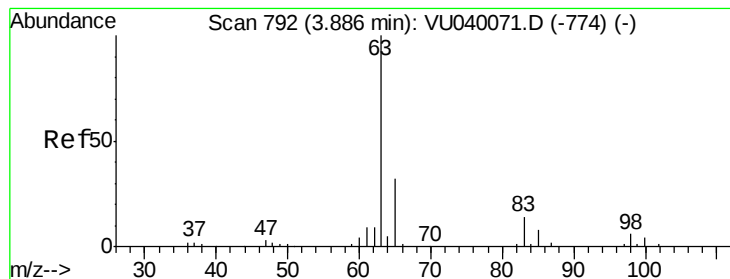
3.30

3.35

3.40

3.45





#19

1,1-Dichloroethane

Concen: 2.113 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040091.D

Acq: 10 Sep 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

F4Y34

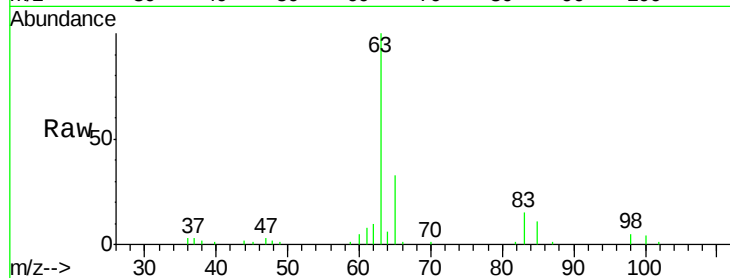
Tot Ion: 63 Resp: 36298

Ion Ratio Lower Upper

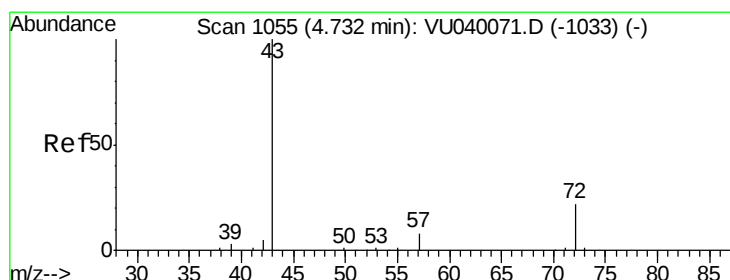
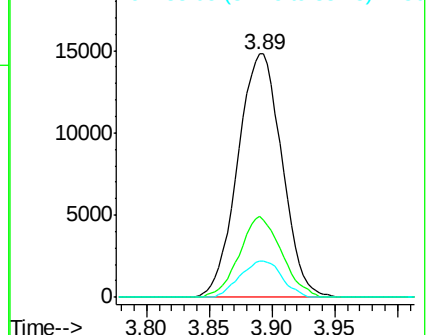
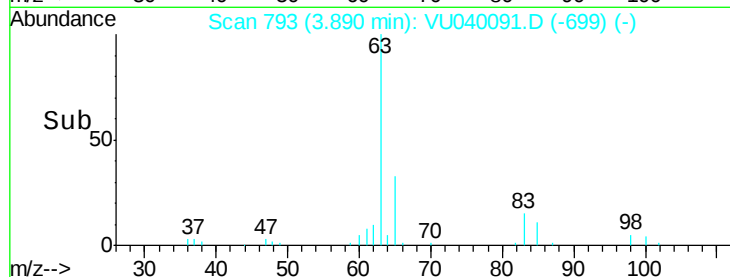
63 100

65 33.1 22.2 41.2

83 15.1 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040091.D (-699) (-)



#21

2-Butanone

Concen: 1.372 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU040091.D

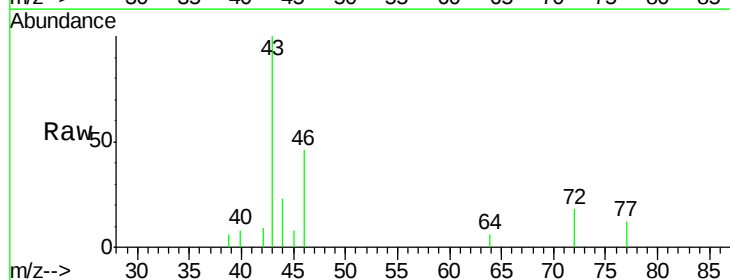
Acq: 10 Sep 2020 19:11

Tgt Ion: 43 Resp: 4539

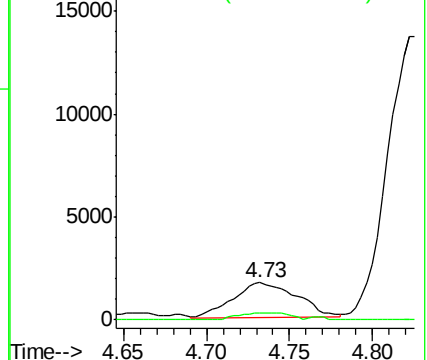
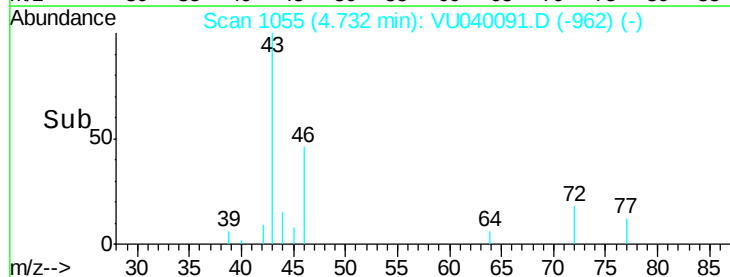
Ion Ratio Lower Upper

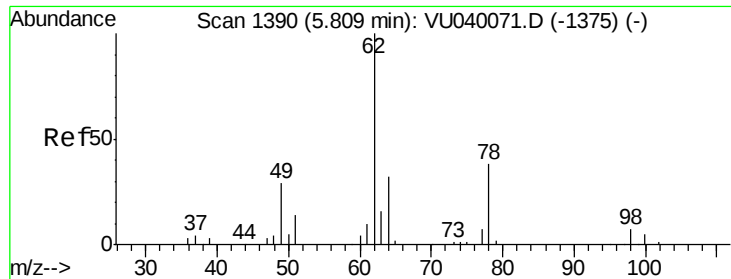
43 100

72 15.6 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU040091.D (-962) (-)

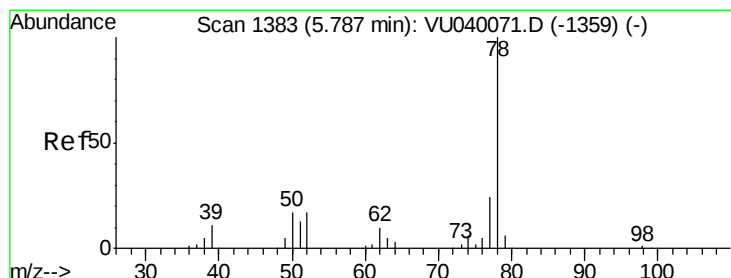
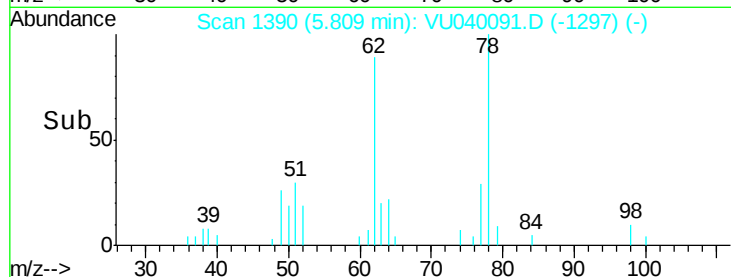
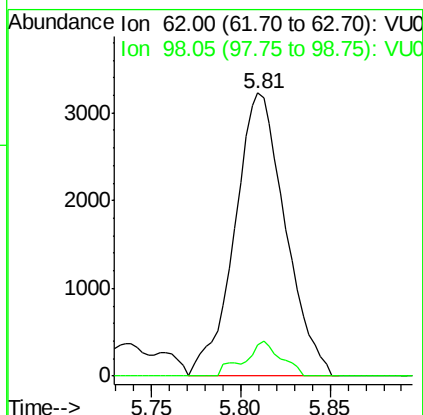
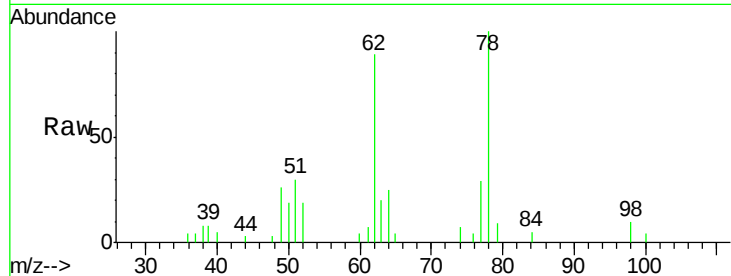




#27
 1,2-Dichloroethane
 Concen: 0.495 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VU040091.D
 Acq: 10 Sep 2020 19:11

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y34

Tot Ion: 62 Resp: 6375
 Ion Ratio Lower Upper
 62 100
 98 11.0 6.1 9.1#



#33
 Benzene
 Concen: 0.567 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU040091.D
 Acq: 10 Sep 2020 19:11

Tgt Ion: 78 Resp: 21306

