

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040862.D
 Acq On : 20 Oct 2020 21:02
 Operator : SY/MD
 Sample : L4428-21
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ53

Quant Time: Oct 21 02:45:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 23:49:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	106936	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113141	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47634	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40513	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.92	69	35807	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.58	63	63275	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	4.65	46	167443	59.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.10%
24) Chloroform-d	5.08	84	89860	5.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.60%
26) 1,2-Dichloroethane-d4	5.72	65	54050	5.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.20%
32) Benzene-d6	5.74	84	157844	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.70	67	53045	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.91	98	125480	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	8.19	79	20439	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.64	63	114934	51.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.94%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50430	5.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	52381	5.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.60%

Target Compounds

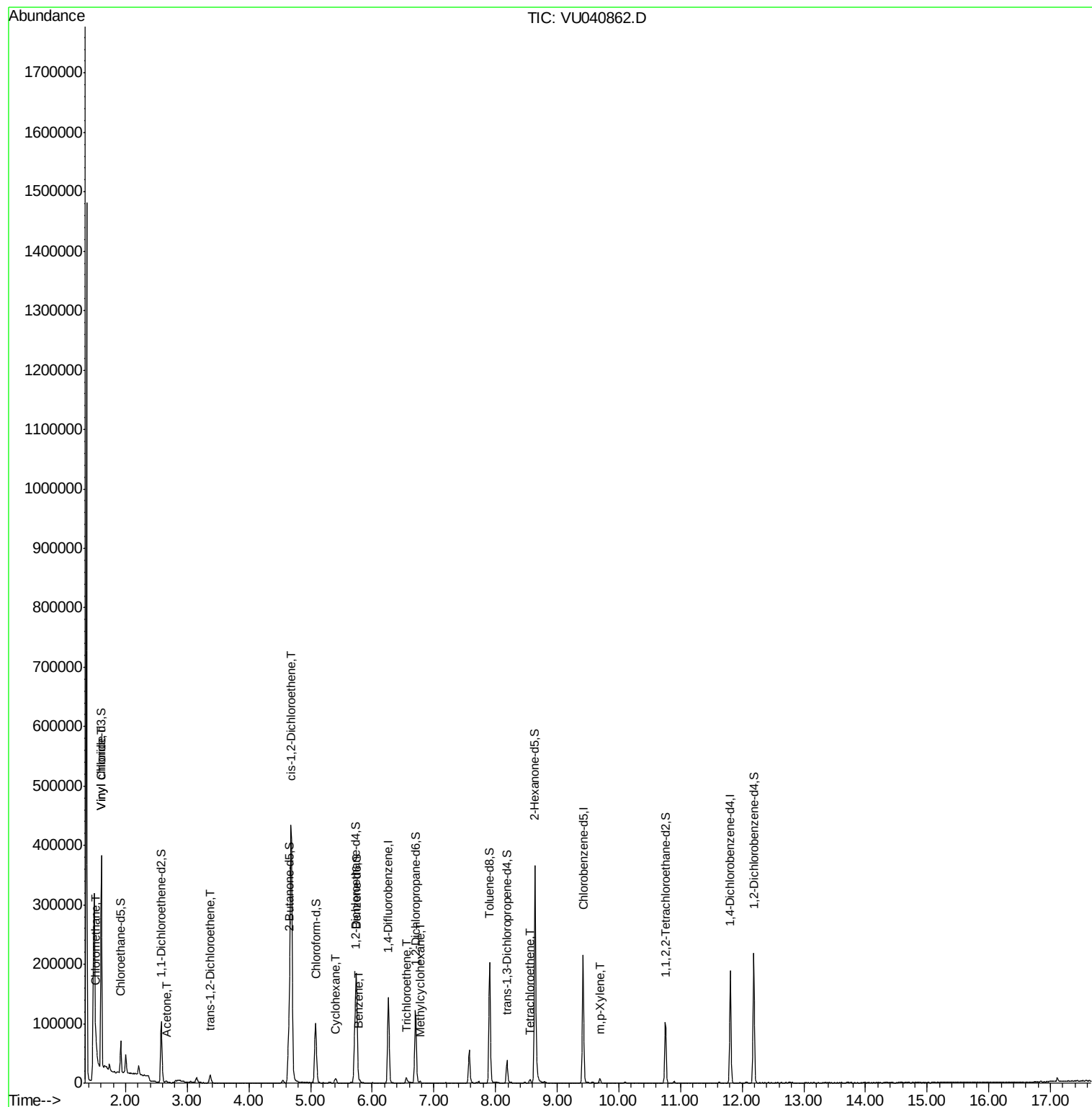
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	3653	0.403	ug/L #	80
5) Vinyl chloride	1.61	62	6969	0.730	ug/L #	1
13) Acetone	2.66	43	4110	1.870	ug/L	88
18) trans-1,2-Dichloroethene	3.37	96	4201	0.526	ug/L #	78
22) cis-1,2-Dichloroethene	4.69	96	202419	23.501	ug/L	96
30) Cyclohexane	5.40	56	3731	0.266	ug/L	98
33) Benzene	5.78	78	2628	0.072	ug/L	100
34) Trichloroethene	6.56	95	3143	0.334	ug/L	86
35) Methylcyclohexane	6.78	83	648	0.048	ug/L #	73
47) Tetrachloroethene	8.56	164	1111	0.165	ug/L	91
53) m,p-Xylene	9.69	106	2009	0.137	ug/L	99

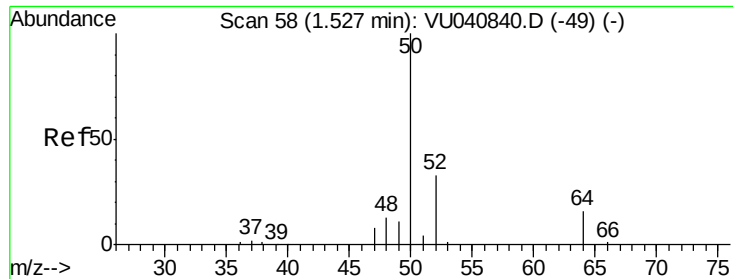
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.403 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040862.D

Acq: 20 Oct 2020 21:02

Instrument :

MSVOA_U

ClientSampleId :

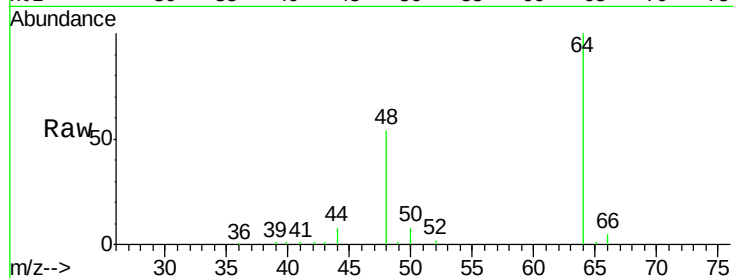
ETZ53

Tot Ion: 50 Resp: 3653

Ion Ratio Lower Upper

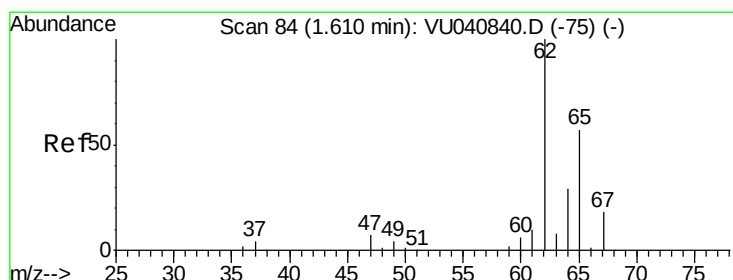
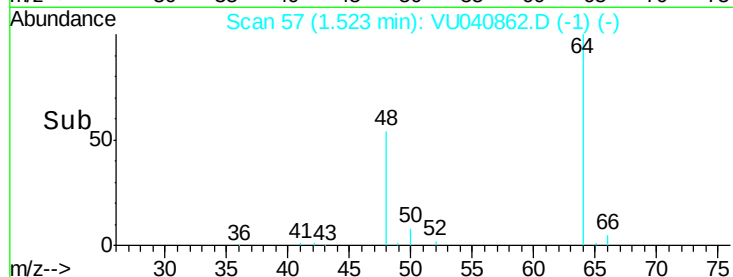
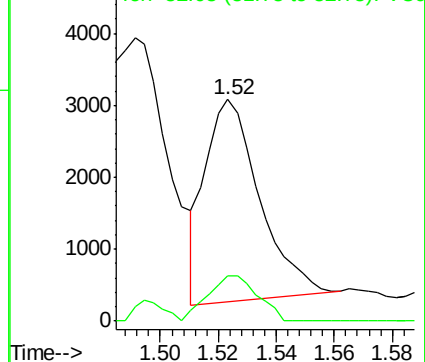
50 100

52 20.2 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.730 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040862.D

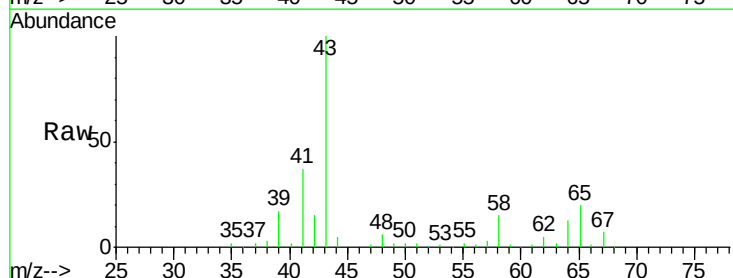
Acq: 20 Oct 2020 21:02

Tgt Ion: 62 Resp: 6969

Ion Ratio Lower Upper

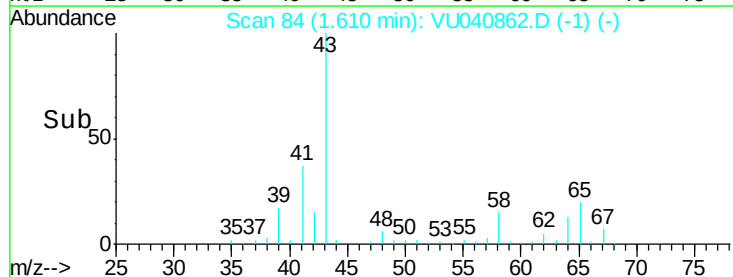
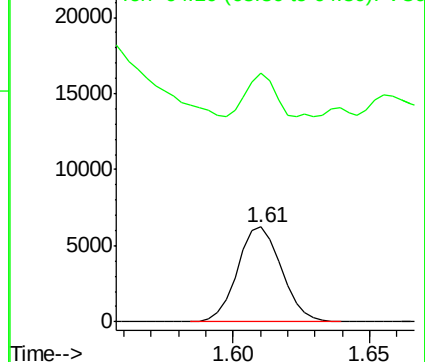
62 100

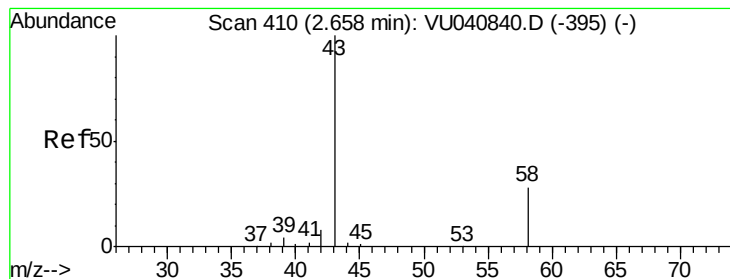
64 262.3 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#13

Acetone

Concen: 1.870 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040862.D

Acq: 20 Oct 2020 21:02

Instrument :

MSVOA_U

ClientSampled :

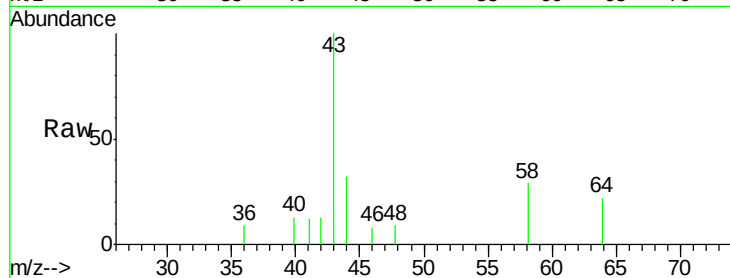
ETZ53

Tot Ion: 43 Resp: 4110

Ion Ratio Lower Upper

43 100

58 23.6 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040862.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU040862.D (-317) (-)

2.66

1500

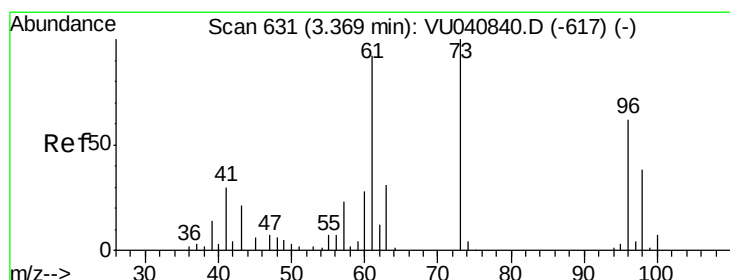
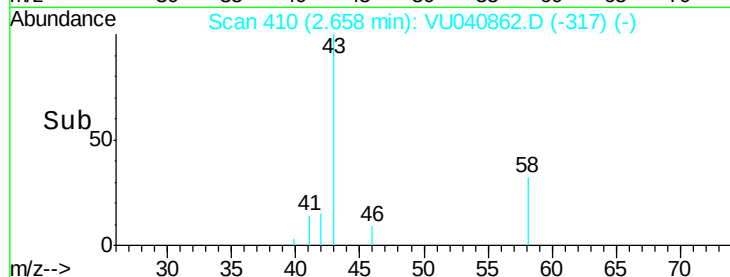
1000

500

0

2.60 2.65 2.70 2.75

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.526 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU040862.D

Acq: 20 Oct 2020 21:02

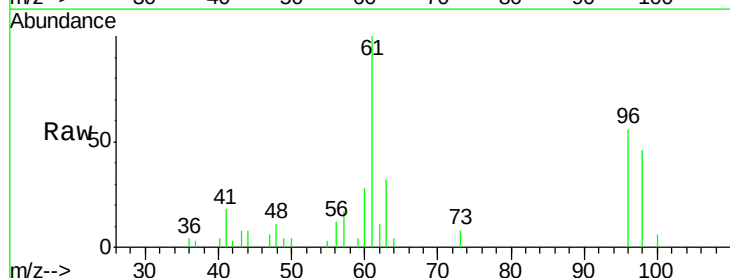
Tgt Ion: 96 Resp: 4201

Ion Ratio Lower Upper

96 100

61 178.6 105.9 196.7

98 81.4 43.8 81.3#



Abundance Ion 96.00 (95.70 to 96.70): VU040862.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU040862.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU040862.D (-538) (-)

3.37

4000

3000

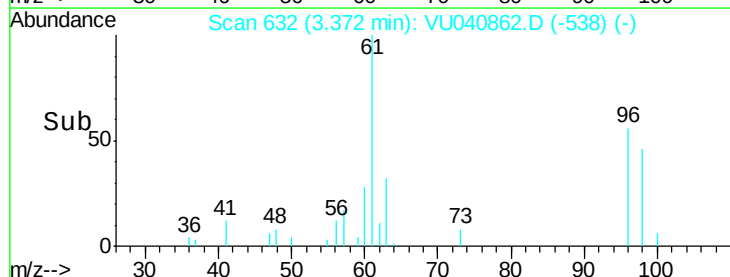
2000

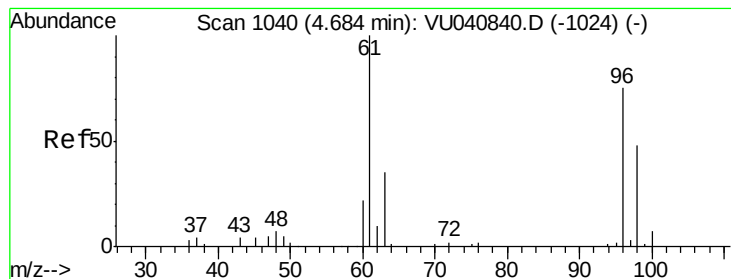
1000

0

3.30 3.35 3.40

Time-->





#22

cis-1,2-Dichloroethene

Concen: 23.501 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040862.D

Acq: 20 Oct 2020 21:02

Instrument :

MSVOA_U

ClientSampleId :

ETZ53

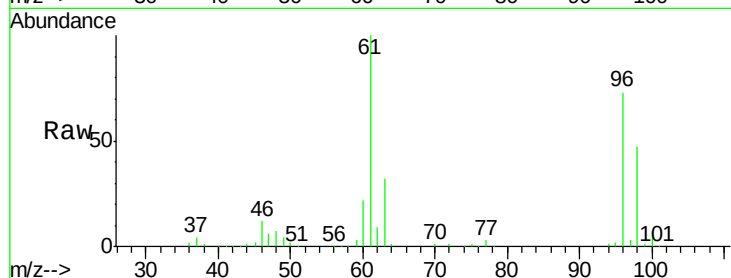
Tot Ion: 96 Resp: 202419

Ion Ratio Lower Upper

96 100

61 137.4 99.8 185.4

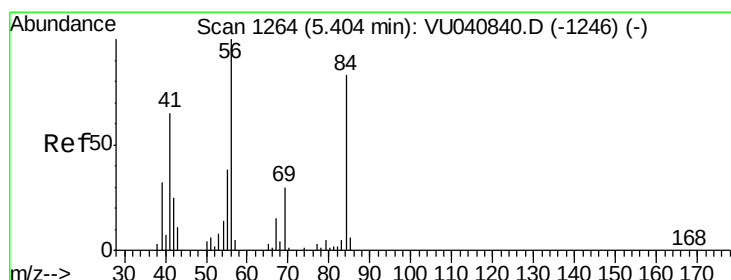
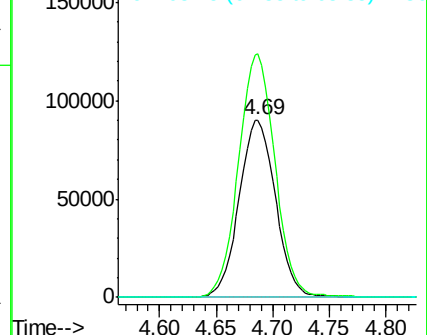
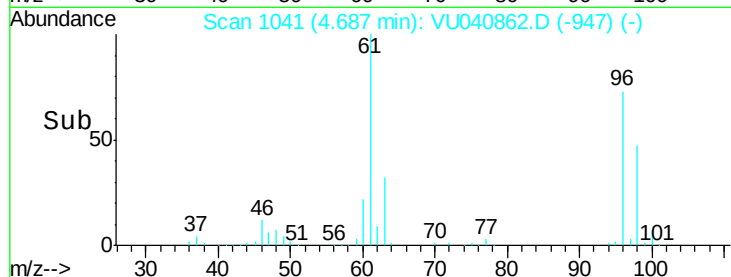
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040862.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040862.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040862.D (-947) (-)



#30

Cyclohexane

Concen: 0.266 ug/L

RT: 5.40 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VU040862.D

Acq: 20 Oct 2020 21:02

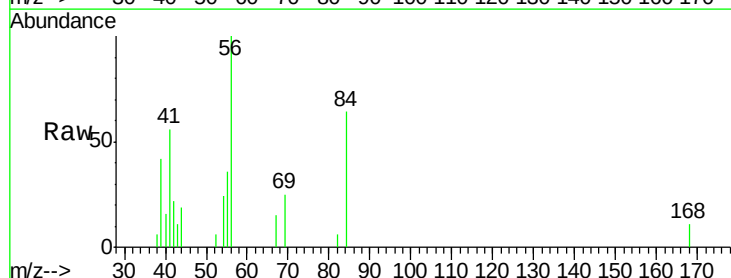
Tgt Ion: 56 Resp: 3731

Ion Ratio Lower Upper

56 100

69 29.4 23.8 35.8

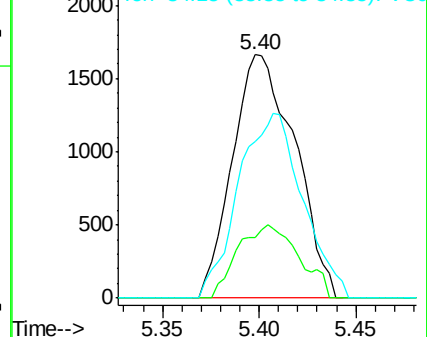
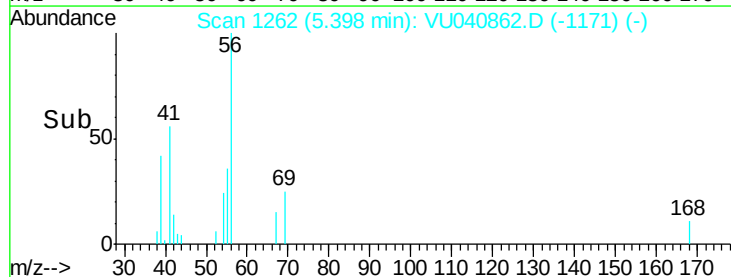
84 77.7 64.0 96.0

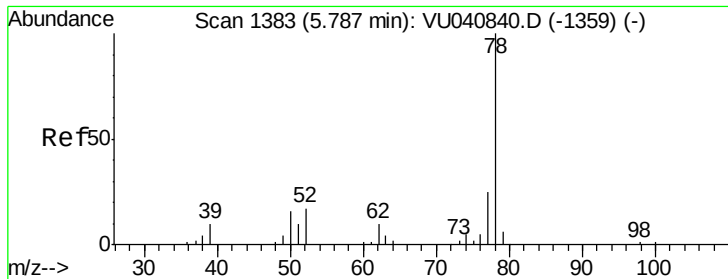


Abundance Ion 56.10 (55.80 to 56.80): VU040862.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU040862.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU040862.D (-1171) (-)





#33

Benzene

Concen: 0.072 ug/L

RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VU040862.D

Acq: 20 Oct 2020 21:02

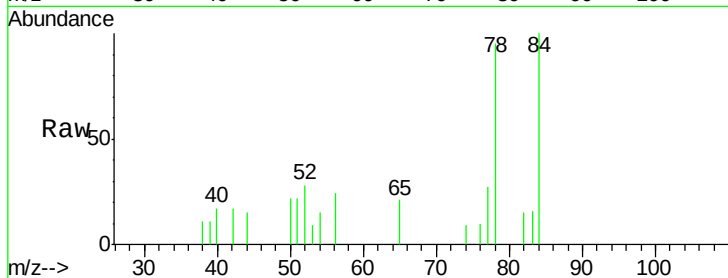
Instrument :

MSVOA_U

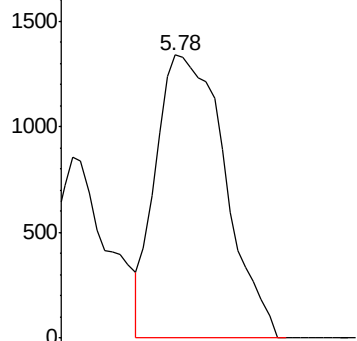
ClientSampleId :

ETZ53

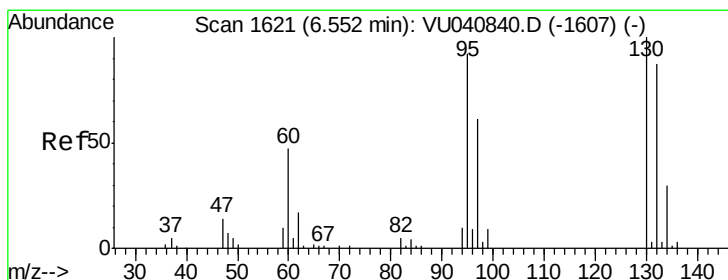
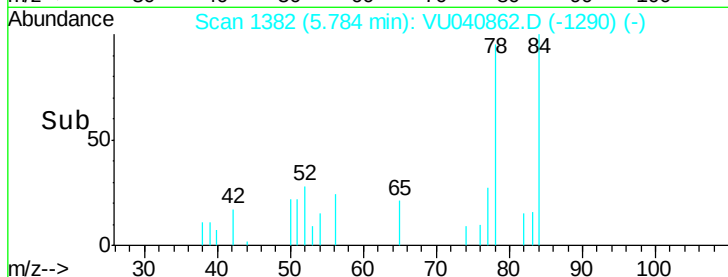
Tgt Ion: 78 Resp: 2628



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#34

Trichloroethene

Concen: 0.334 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040862.D

Acq: 20 Oct 2020 21:02

Tgt Ion: 95 Resp: 3143

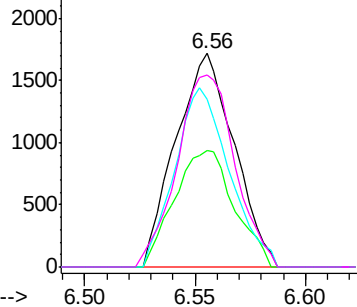
Ion	Ratio	Lower	Upper
95	100		
97	54.3	45.5	84.5
132	78.4	67.5	125.4
130	89.7	69.9	129.9

Abundance Ion 95.00 (94.70 to 95.70): VU0

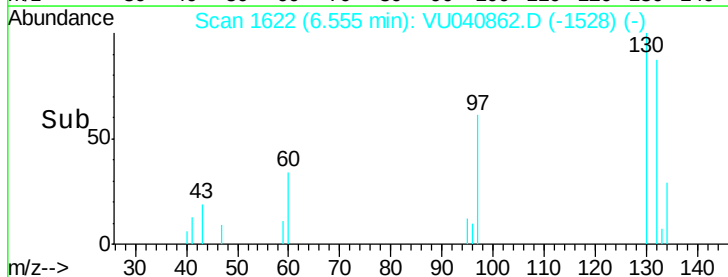
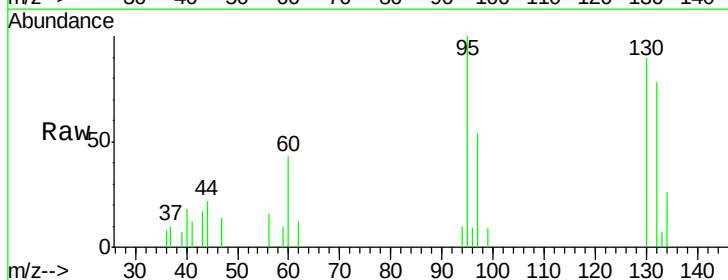
Ion 96.95 (96.65 to 97.65): VU0

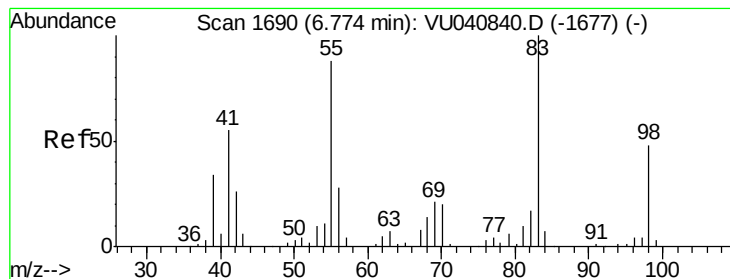
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



Time-->





#35

Methylvlcyclohexane

Concen: 0.048 ug/L

RT: 6.78 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VU040862.D

Acq: 20 Oct 2020 21:02

Instrument :

MSVOA_U

ClientSampleId :

ETZ53

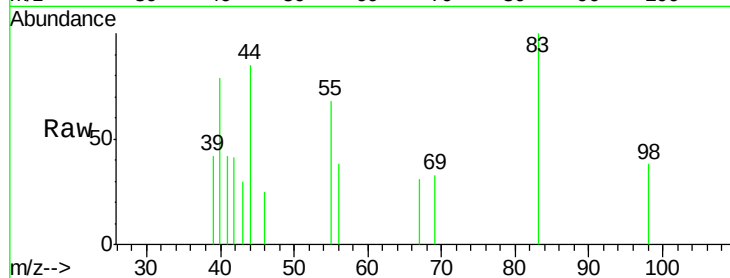
Tot Ion: 83 Resp: 648

Ion Ratio Lower Upper

83 100

55 115.6 70.7 106.1#

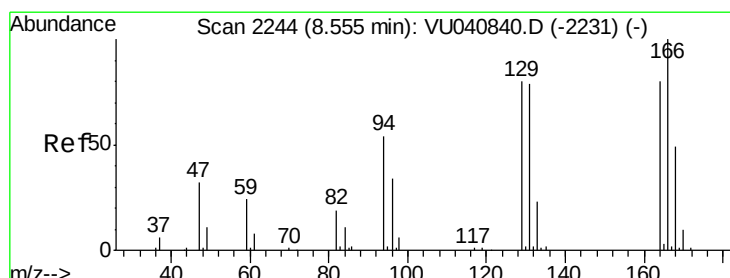
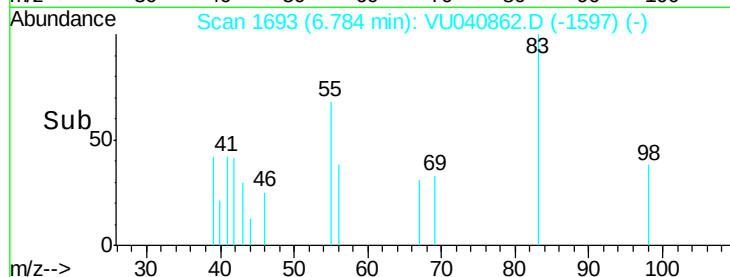
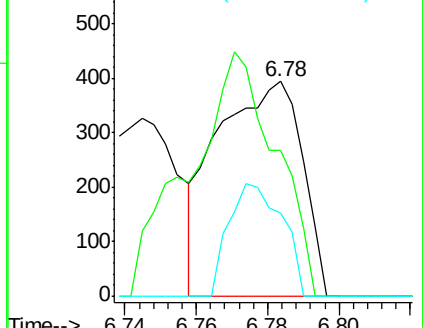
98 32.9 38.4 57.6#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#47

Tetrachloroethene

Concen: 0.165 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040862.D

Acq: 20 Oct 2020 21:02

Tgt Ion:164 Resp: 1111

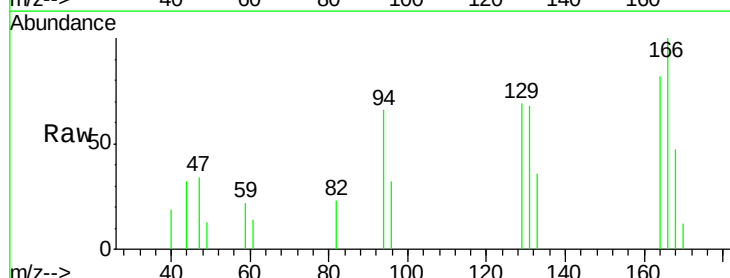
Ion Ratio Lower Upper

164 100

129 84.9 68.8 127.8

131 83.0 66.7 123.9

166 122.4 83.9 155.7

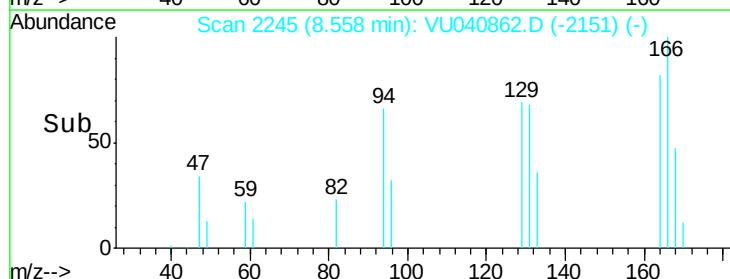
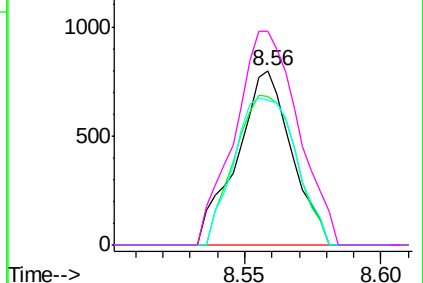


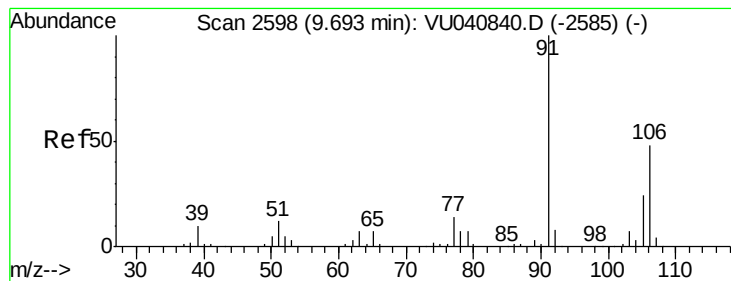
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#53
 m,p-Xylene
 Concen: 0.137 ug/L
 RT: 9.69 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VU040862.D
 Acq: 20 Oct 2020 21:02

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ53

Tot Ion:106 Resp: 2009
 Ion Ratio Lower Upper
 106 100
 91 210.8 148.5 275.7

