

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040854.D
 Acq On : 20 Oct 2020 17:57
 Operator : SY/MD
 Sample : L4428-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ47

Quant Time: Oct 21 01:21:19 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	126579	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128405	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54511	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	43906	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.92	69	36502	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.58	63	67827	3.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.20%
20) 2-Butanone-d5	4.66	46	174521	52.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.00%
24) Chloroform-d	5.08	84	84425	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.72	65	52364	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.75	84	155201	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.70	67	53950	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.91	98	127760	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	8.19	79	20334	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.64	63	132494	52.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.58%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	48048	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	51294	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

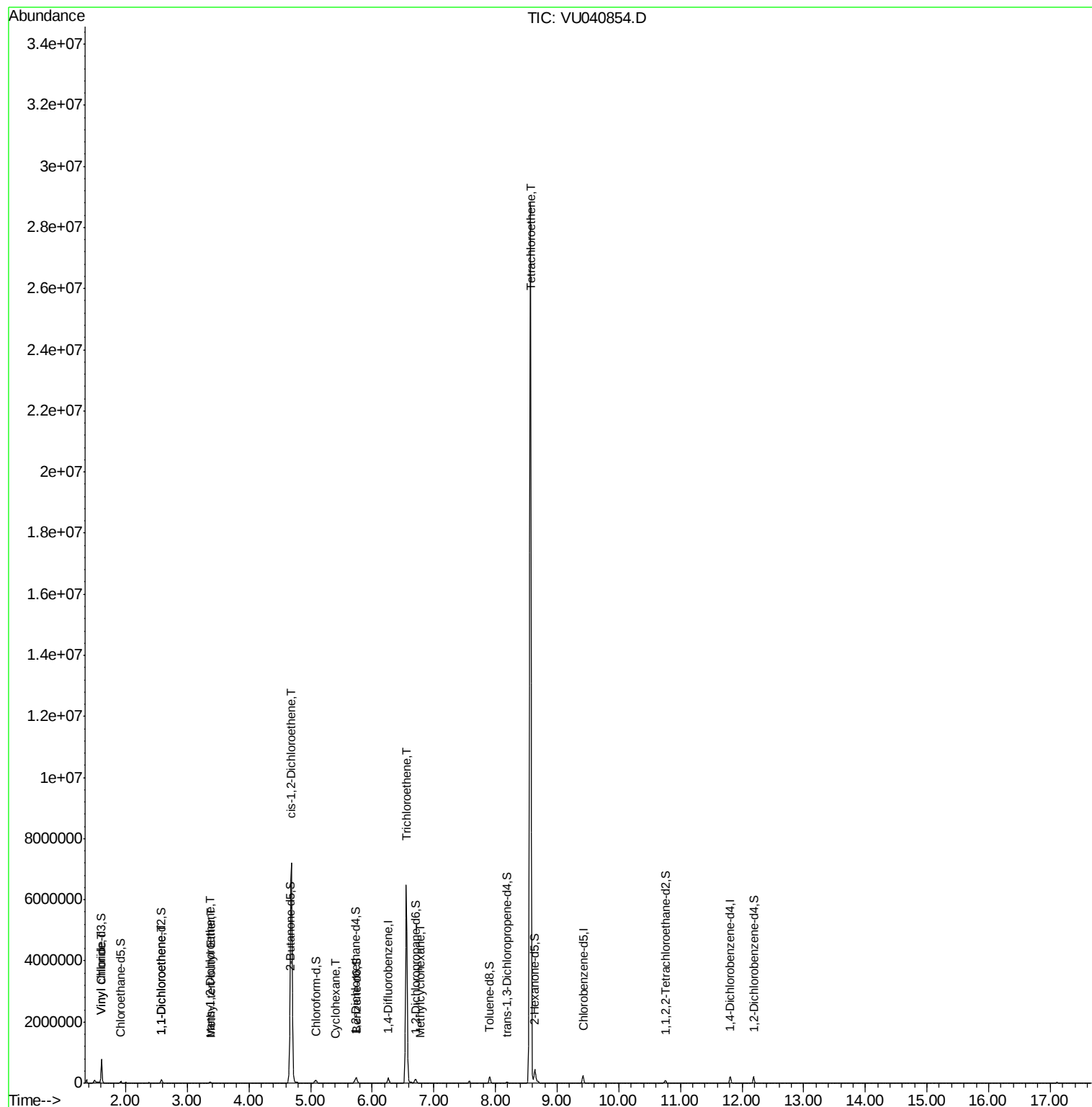
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	449549	39.801	ug/L	99
12) 1,1-Dichloroethene	2.59	96	8070	0.894	ug/L #	1
17) Methyl tert-butyl Ether	3.39	73	3018	0.118	ug/L #	91
18) trans-1,2-Dichloroethene	3.37	96	15185	1.606	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	3463877	339.751	ug/L	100
30) Cyclohexane	5.41	56	2384	0.150	ug/L	96
34) Trichloroethene	6.56	95	2116111	197.892	ug/L	95
35) Methylcyclohexane	6.77	83	2203	0.145	ug/L #	60
47) Tetrachloroethene	8.57	164	5714927	749.099	ug/L	91

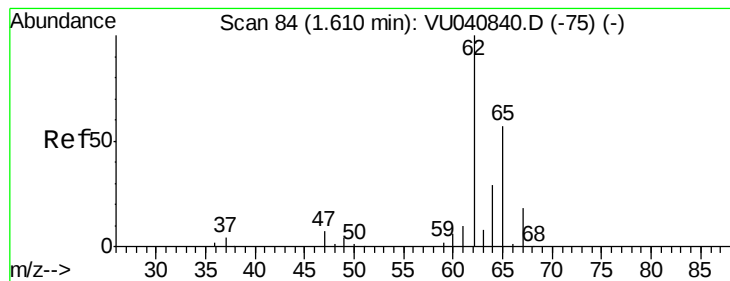
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 39.801 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040854.D

Acq: 20 Oct 2020 17:57

Instrument :

MSVOA_U

ClientSampleId :

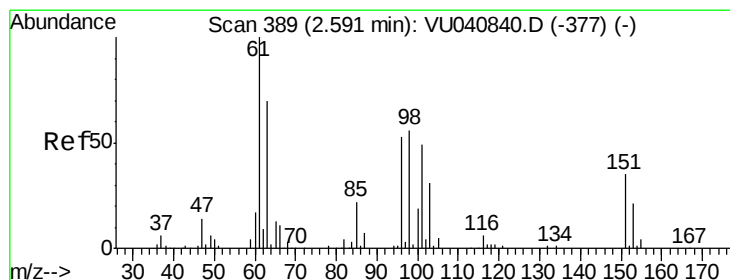
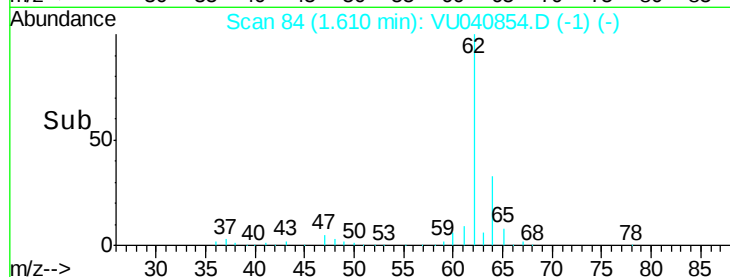
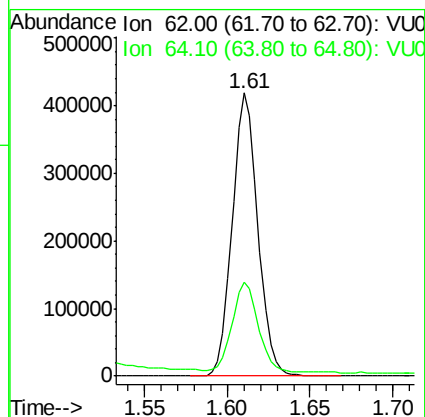
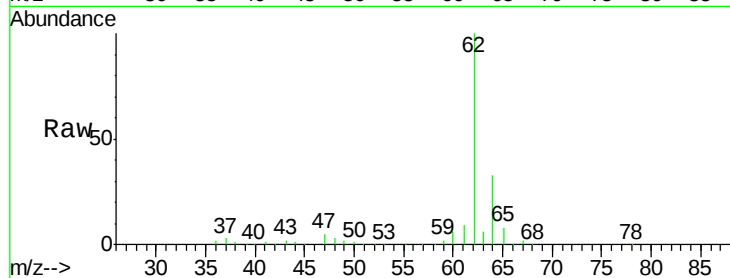
ETZ47

Tot Ion: 62 Resp: 449549

Ion Ratio Lower Upper

62 100

64 33.3 23.7 44.1



#12

1,1-Dichloroethene

Concen: 0.894 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040854.D

Acq: 20 Oct 2020 17:57

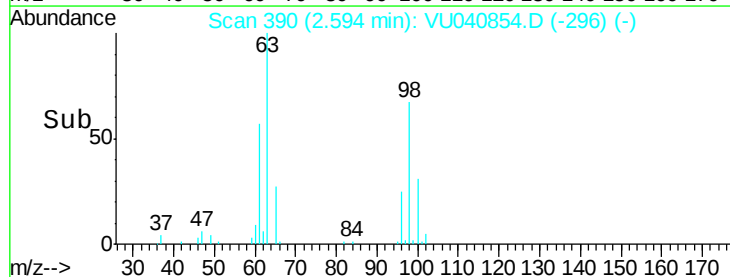
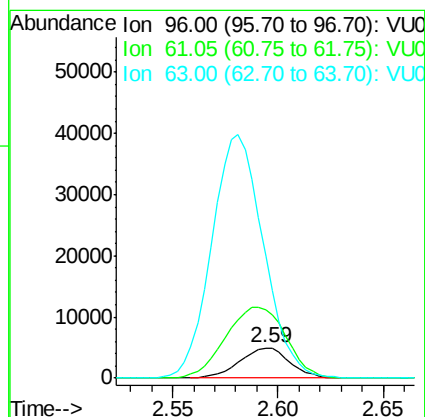
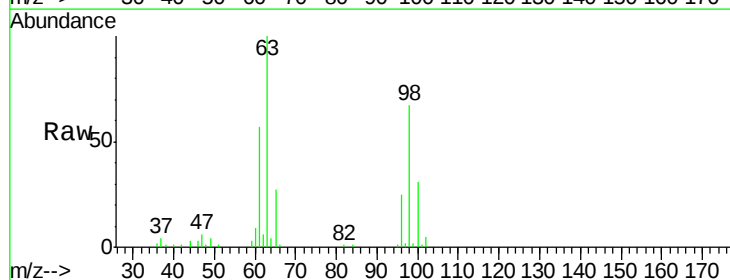
Tgt Ion: 96 Resp: 8070

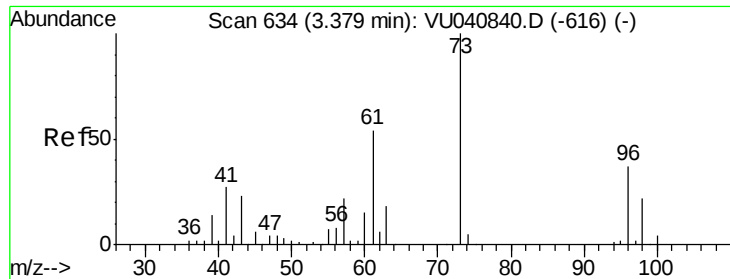
Ion Ratio Lower Upper

96 100

61 225.9 128.8 239.2

63 399.2 84.6 157.2#

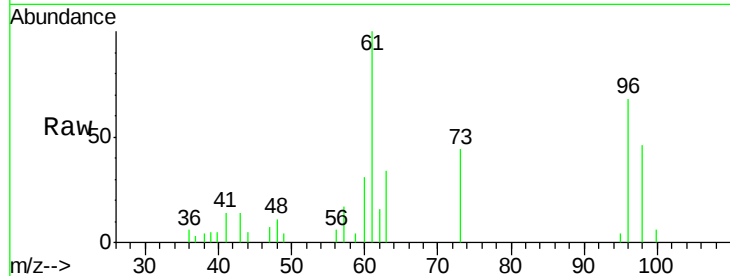




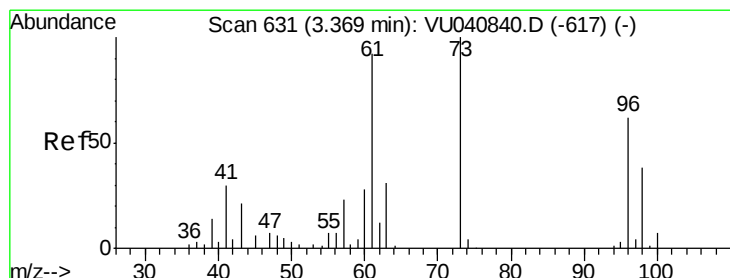
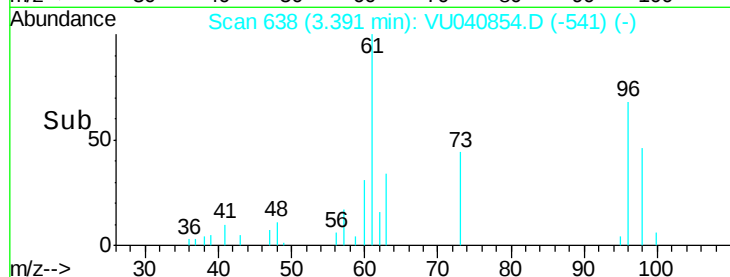
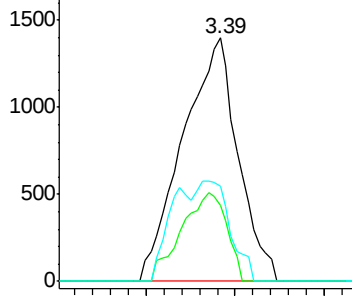
#17
Methvl tert-butvl Ether
Concen: 0.118 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.01 min
Lab File: VU040854.D
Acq: 20 Oct 2020 17:57

Instrument :
MSVOA_U
ClientSampleId :
ETZ47

Tot Ion: 73 Resp: 3018
Ion Ratio Lower Upper
73 100
43 29.7 18.2 27.4#
57 25.2 18.6 28.0

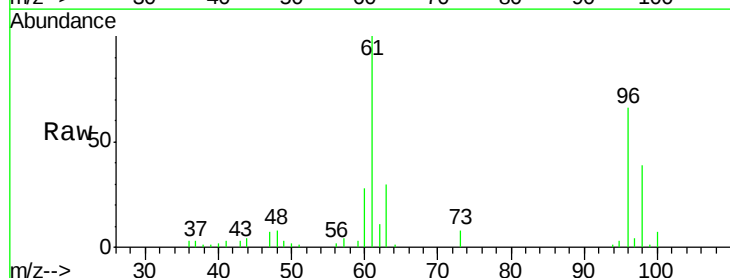


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

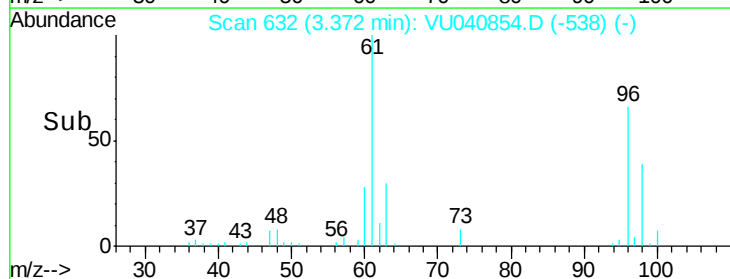
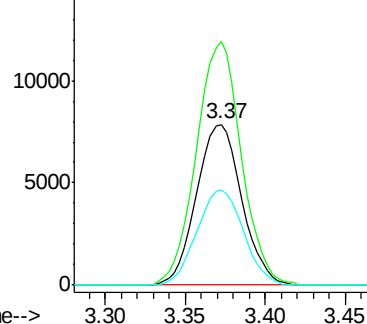


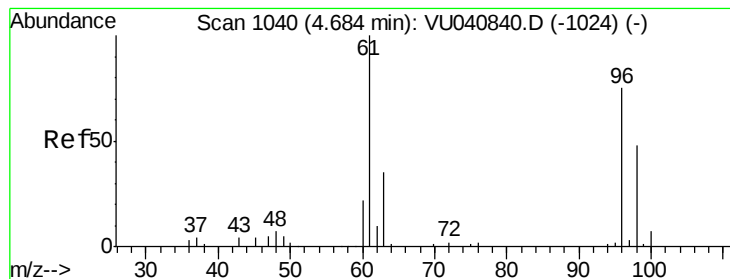
#18
trans-1,2-Dichloroethene
Concen: 1.606 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040854.D
Acq: 20 Oct 2020 17:57

Tgt Ion: 96 Resp: 15185
Ion Ratio Lower Upper
96 100
61 151.5 105.9 196.7
98 59.0 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 339.751 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040854.D

Acq: 20 Oct 2020 17:57

Instrument :

MSVOA_U

ClientSampleId :

ETZ47

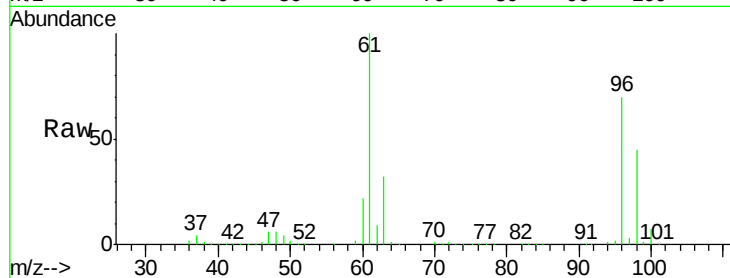
Tot Ion: 96 Resp: 3463877

Ion Ratio Lower Upper

96 100

61 143.0 99.8 185.4

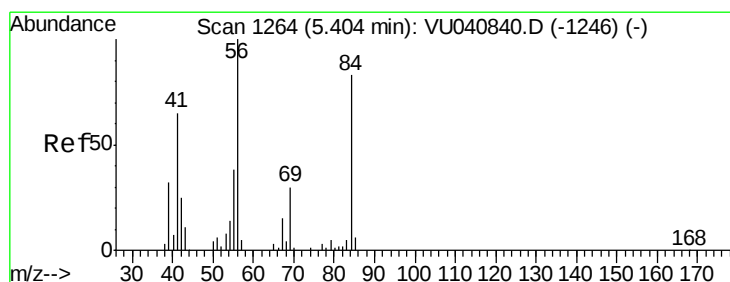
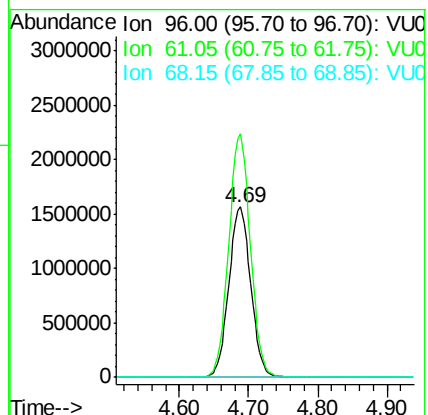
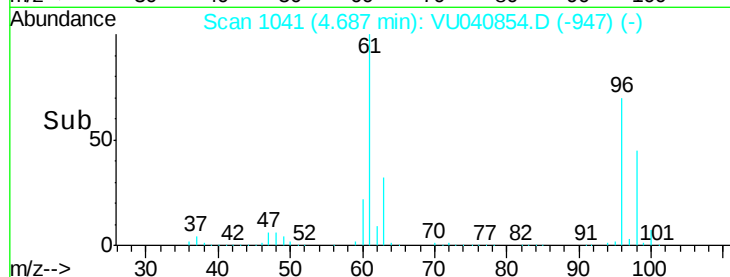
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040854.D (-1041) (-)

Ion 61.05 (60.75 to 61.75): VU040854.D (-1041) (-)

Ion 68.15 (67.85 to 68.85): VU040854.D (-1041) (-)



#30

Cyclohexane

Concen: 0.150 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU040854.D

Acq: 20 Oct 2020 17:57

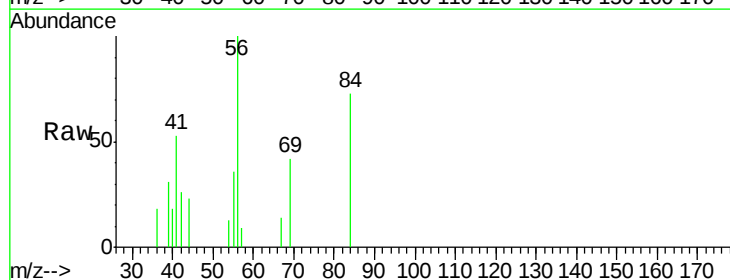
Tgt Ion: 56 Resp: 2384

Ion Ratio Lower Upper

56 100

69 24.6 23.8 35.8

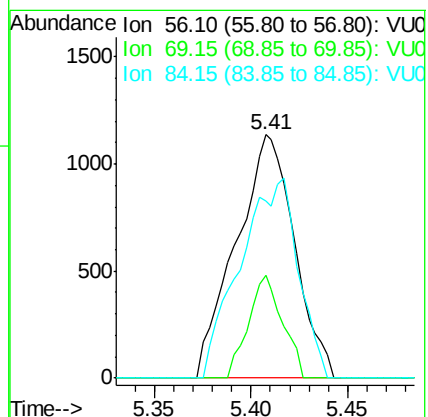
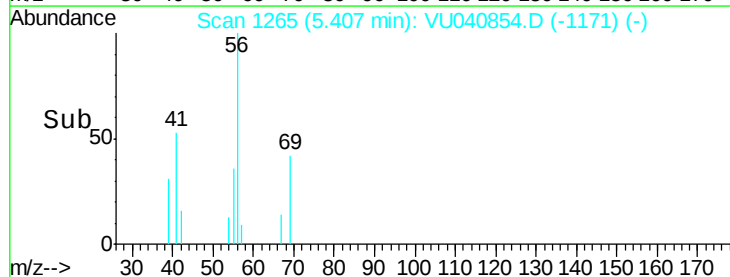
84 81.9 64.0 96.0

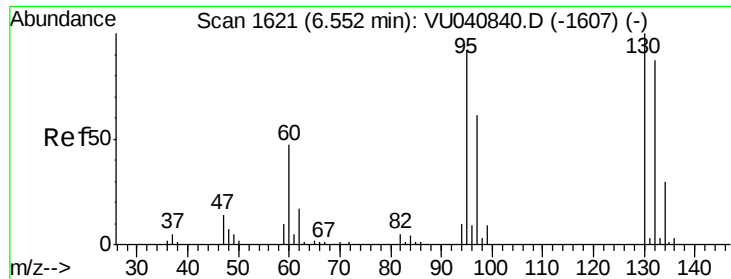


Abundance Ion 56.10 (55.80 to 56.80): VU040854.D (-1265) (-)

Ion 69.15 (68.85 to 69.85): VU040854.D (-1265) (-)

Ion 84.15 (83.85 to 84.85): VU040854.D (-1265) (-)

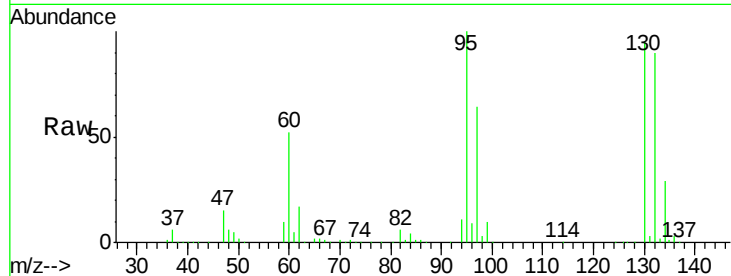




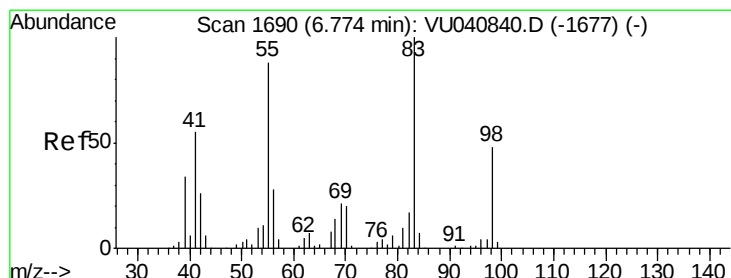
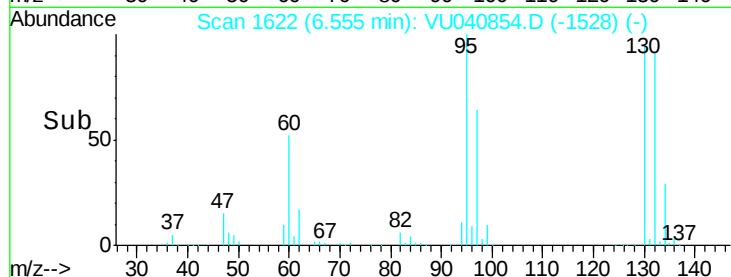
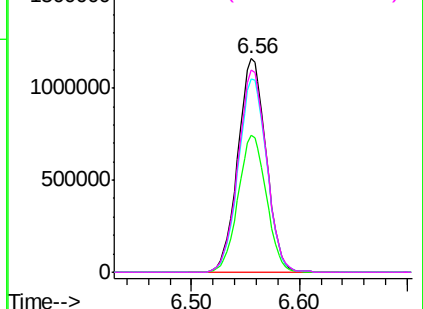
#34
 Trichloroethene
 Concen: 197.892 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040854.D
 Acq: 20 Oct 2020 17:57

Instrument :
 MSVOA_U
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 ETZ47

Tot Ion: 95 Resp: 2116111
 Ion Ratio Lower Upper
 95 100
 97 64.0 45.5 84.5
 132 90.5 67.5 125.4
 130 94.6 69.9 129.9

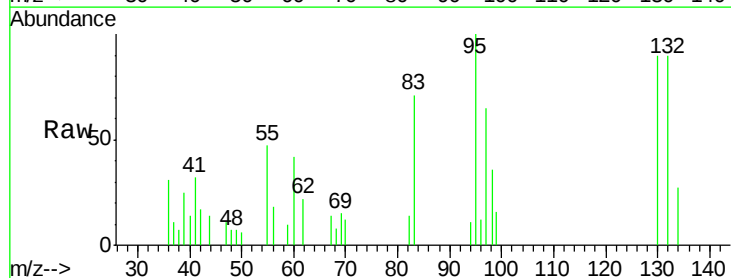


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

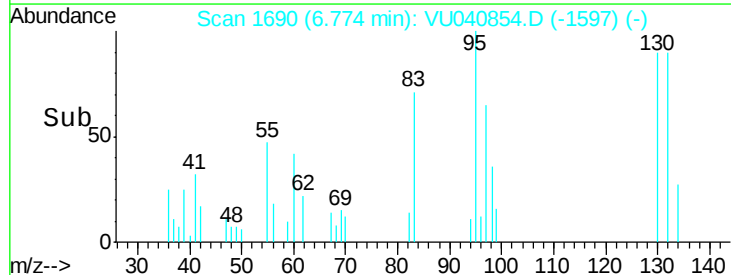
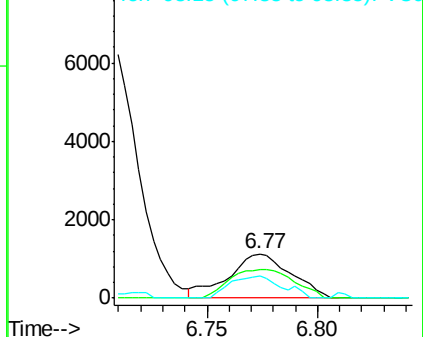


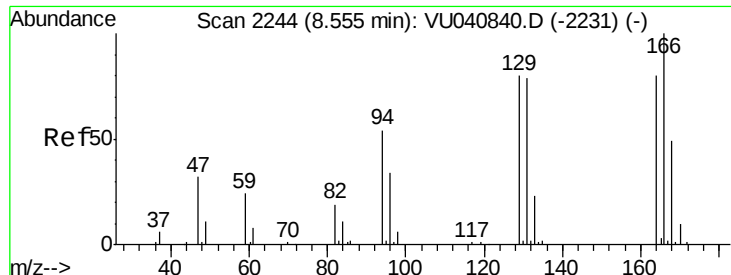
#35
 Methylcyclohexane
 Concen: 0.145 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040854.D
 Acq: 20 Oct 2020 17:57

Tgt Ion: 83 Resp: 2203
 Ion Ratio Lower Upper
 83 100
 55 67.3 70.7 106.1#
 98 0.0 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: 749.099 ug/L

RT: 8.57 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VU040854.D

Acq: 20 Oct 2020 17:57

Instrument :

MSVOA_U

ClientSampleId :

ETZ47

Tot Ion:164 Resp: 5714927

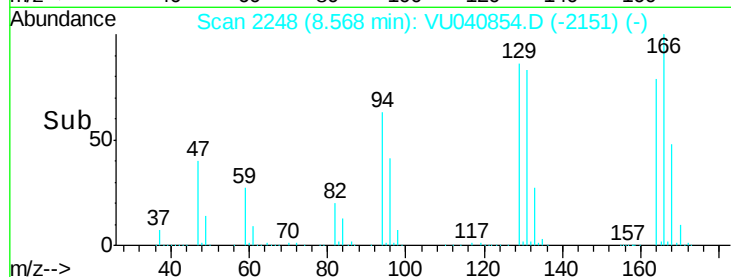
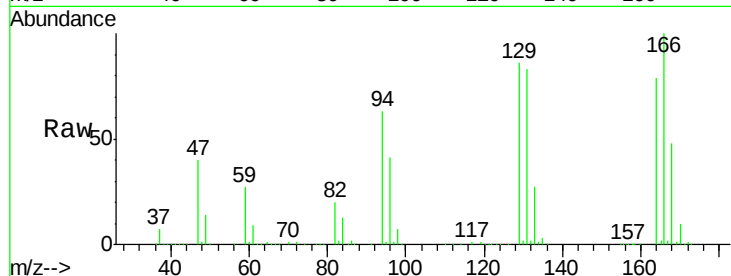
Ion Ratio Lower Upper

164 100

129 109.3 68.8 127.8

131 105.3 66.7 123.9

166 127.3 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

