

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040834.D
 Acq On : 20 Oct 2020 03:19
 Operator : SY/MD
 Sample : L4428-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ30

Quant Time: Oct 20 06:40:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 05:12:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	107483	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113036	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44969	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25829	2.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.00%
7) Chloroethane-d5	1.92	69	26819	3.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.20%
11) 1,1-Dichloroethene-d2	2.58	63	43364	2.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.80%#
20) 2-Butanone-d5	4.66	46	172353	60.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.94%
24) Chloroform-d	5.08	84	77799	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.72	65	48716	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.74	84	127451	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.70	67	47535	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.91	98	91557	3.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.00%#
43) trans-1,3-Dichloropropene-	8.19	79	17145	4.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.00%
46) 2-Hexanone-d5	8.64	63	113675	51.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48020	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	44434	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

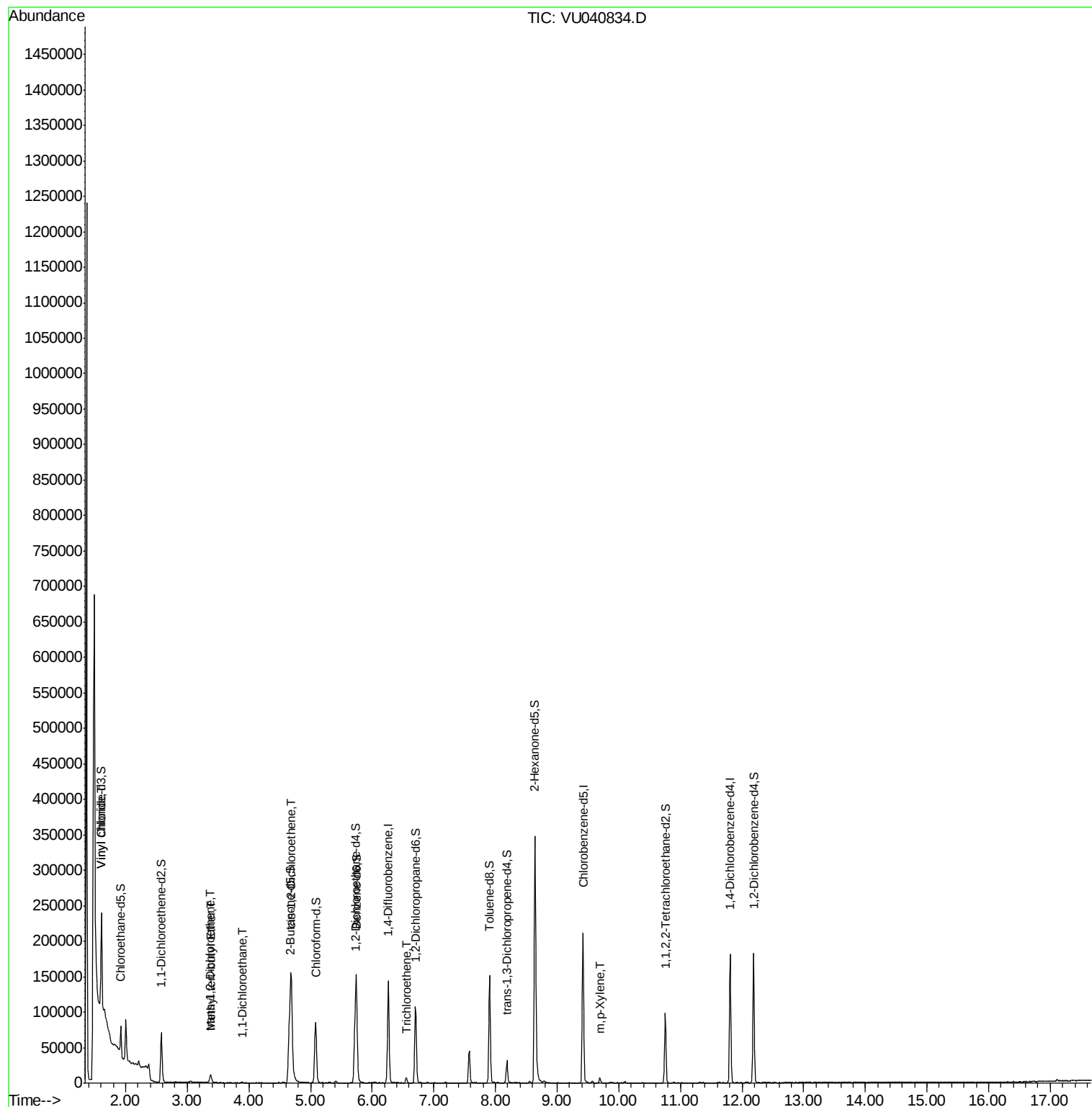
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	58792	6.130	ug/L #	1
17) Methyl tert-butyl Ether	3.38	73	7483	0.345	ug/L #	74
18) trans-1,2-Dichloroethene	3.37	96	840	0.105	ug/L	96
19) 1,1-Dichloroethane	3.89	63	1138	0.069	ug/L #	80
22) cis-1,2-Dichloroethene	4.69	96	54555	6.302	ug/L	97
34) Trichloroethene	6.56	95	2441	0.259	ug/L	96
53) m,p-Xylene	9.70	106	2372	0.162	ug/L	66

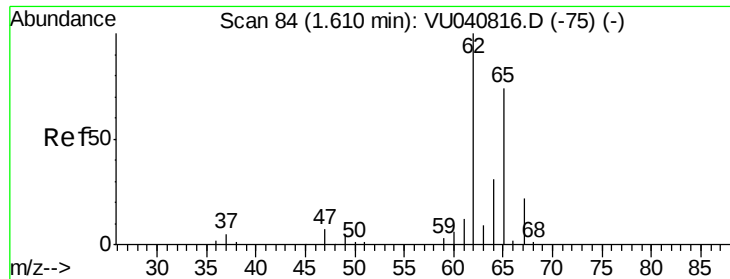
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 6.130 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040834.D

Acq: 20 Oct 2020 03:19

Instrument :

MSVOA_U

ClientSampled :

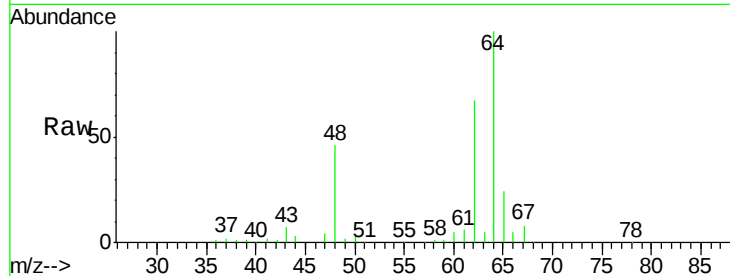
ETZ30

Tot Ion: 62 Resp: 58792

Ion Ratio Lower Upper

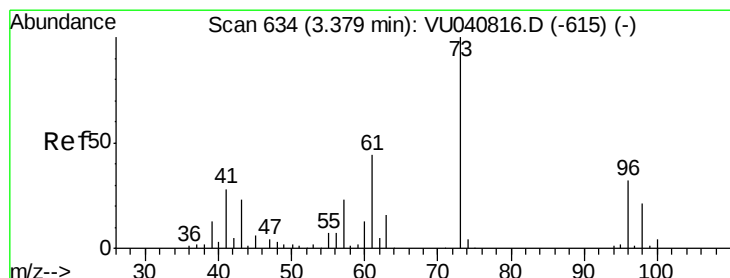
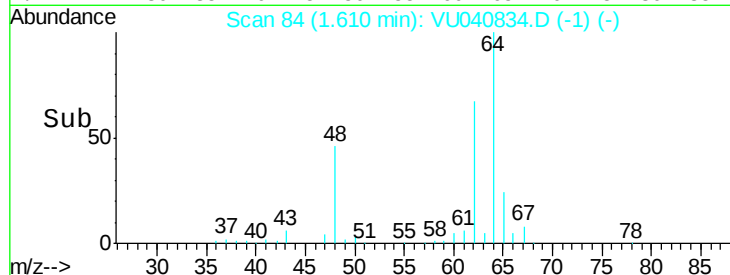
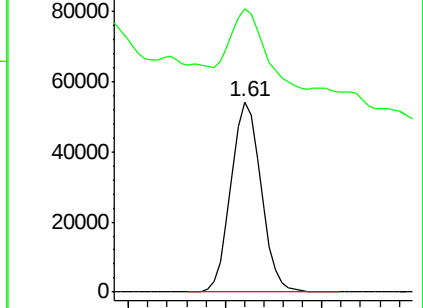
62 100

64 148.6 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#17

Methyl tert-butyl Ether

Concen: 0.345 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.01 min

Lab File: VU040834.D

Acq: 20 Oct 2020 03:19

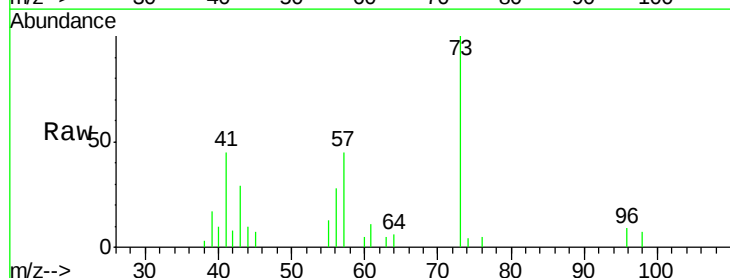
Tgt Ion: 73 Resp: 7483

Ion Ratio Lower Upper

73 100

43 28.1 18.2 27.4#

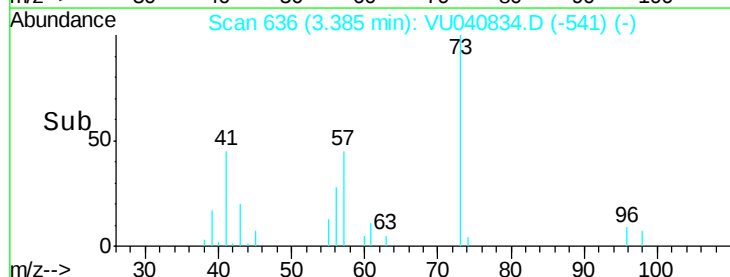
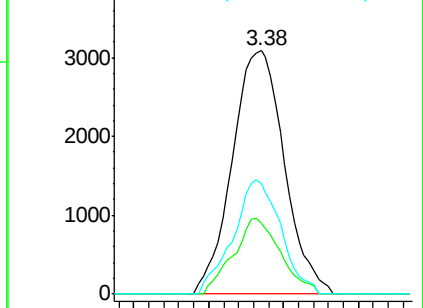
57 43.0 18.6 28.0#

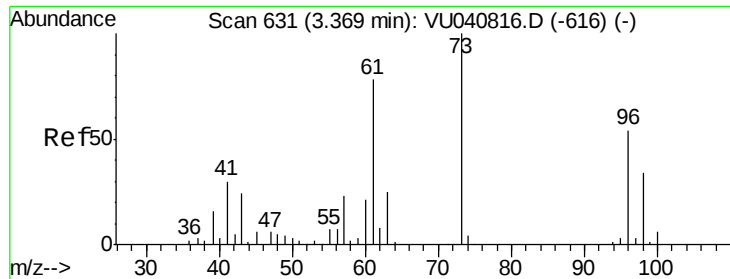


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

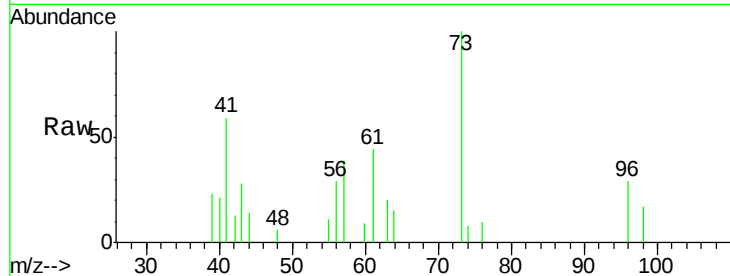




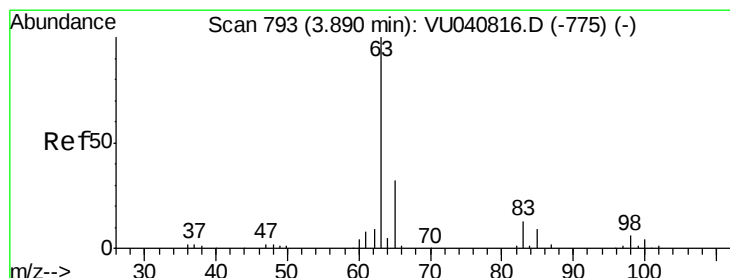
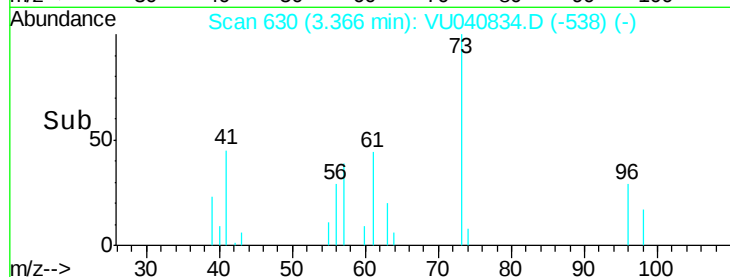
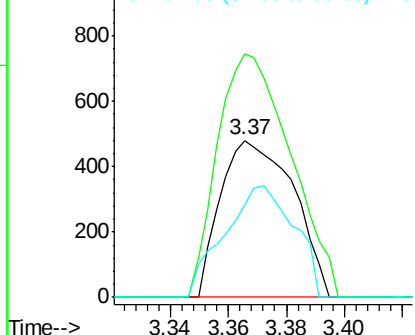
#18
trans-1,2-Dichloroethene
Concen: 0.105 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040834.D
Acq: 20 Oct 2020 03:19

Instrument :
MSVOA_U
ClientSampleId :
ETZ30

Tot Ion: 96 Resp: 840
Ion Ratio Lower Upper
96 100
61 155.2 105.9 196.7
98 59.0 43.8 81.3

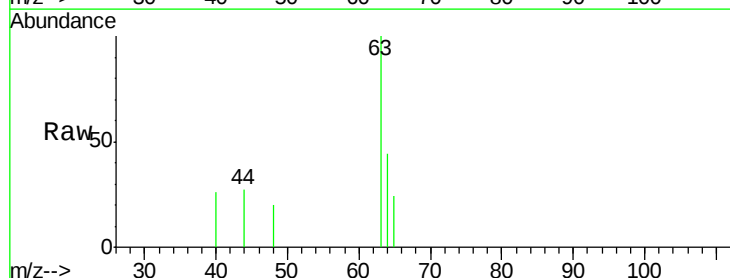


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

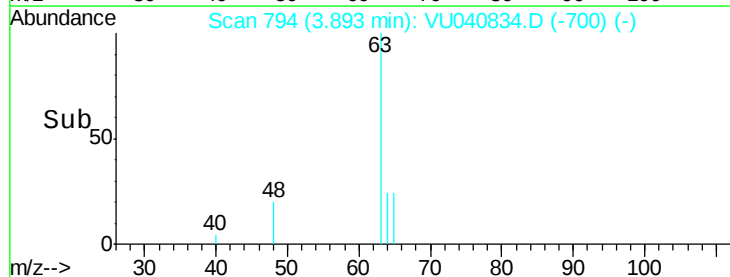
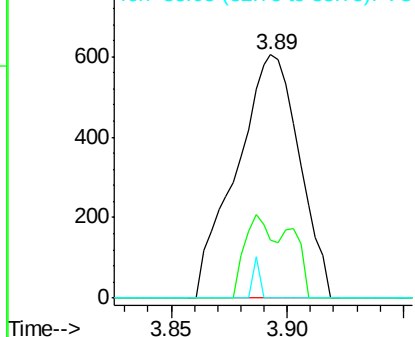


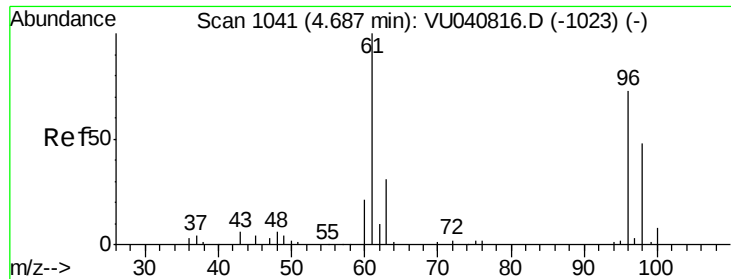
#19
1,1-Dichloroethane
Concen: 0.069 ug/L
RT: 3.89 min Scan# 794
Delta R.T. 0.00 min
Lab File: VU040834.D
Acq: 20 Oct 2020 03:19

Tgt Ion: 63 Resp: 1138
Ion Ratio Lower Upper
63 100
65 23.6 21.9 40.7
83 0.0 9.6 17.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0

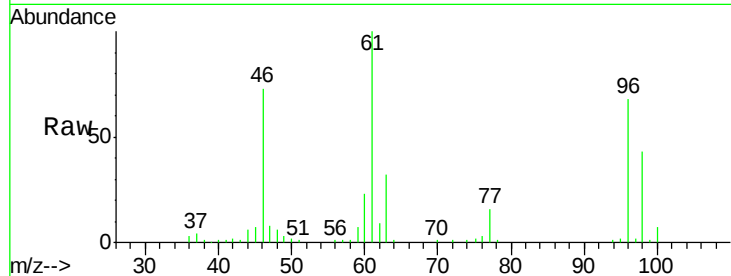




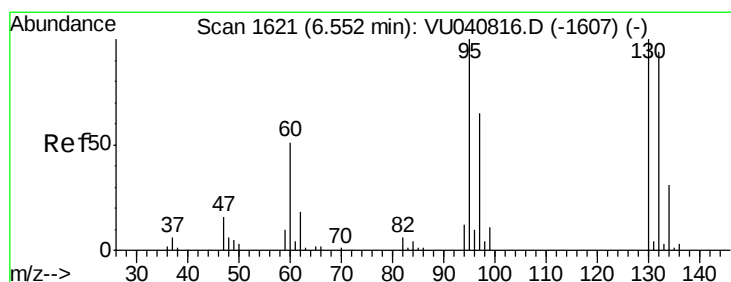
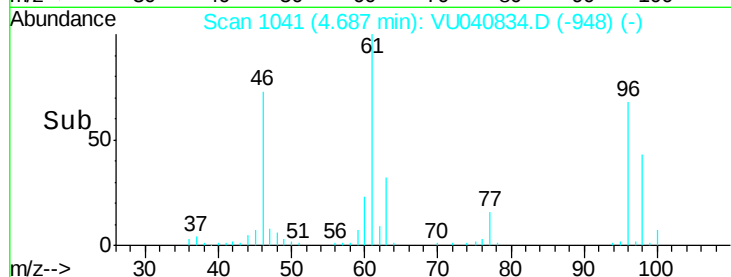
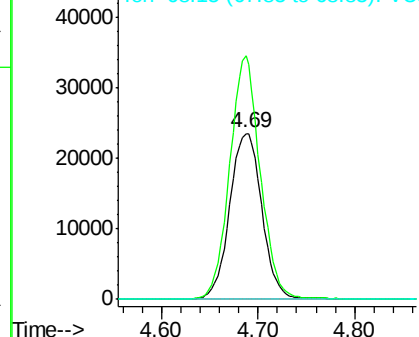
#22
 cis-1,2-Dichloroethene
 Concen: 6.302 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: VU040834.D
 Acq: 20 Oct 2020 03:19

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ30

Tot Ion: 96 Resp: 54555
 Ion Ratio Lower Upper
 96 100
 61 146.6 99.8 185.4
 68 0.0 0.0 0.0

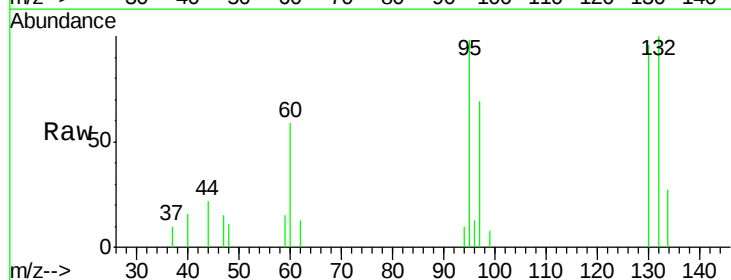


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

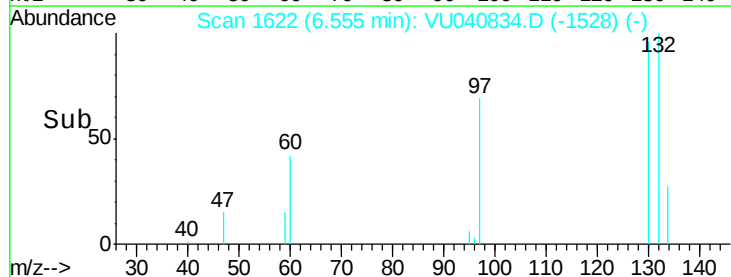
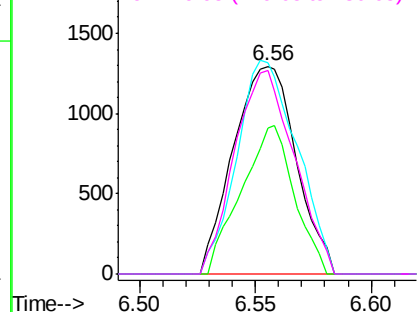


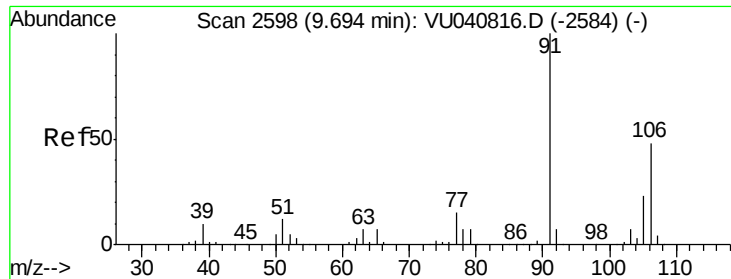
#34
 Trichloroethene
 Concen: 0.259 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040834.D
 Acq: 20 Oct 2020 03:19

Tgt Ion: 95 Resp: 2441
 Ion Ratio Lower Upper
 95 100
 97 70.2 45.5 84.5
 132 102.1 67.5 125.4
 130 98.1 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





#53

m,p-Xylene

Concen: 0.162 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040834.D

Acq: 20 Oct 2020 03:19

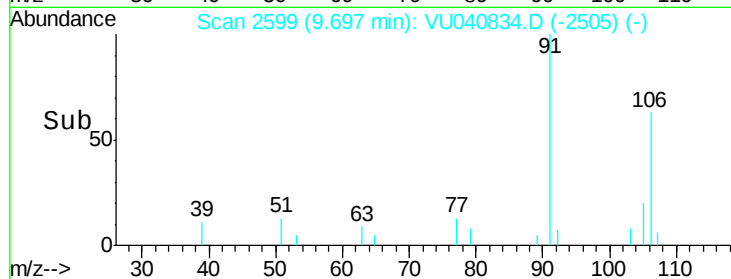
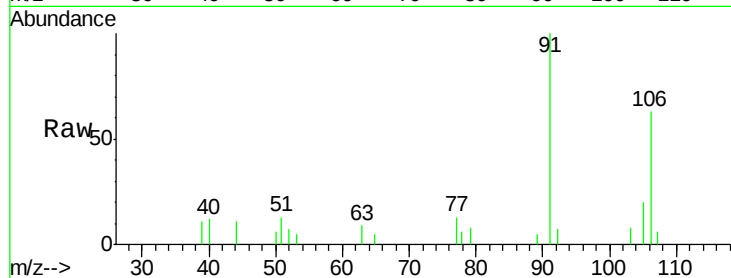
Instrument :
MSVOA_U
ClientSampleId :
ETZ30

Tot Ion:106 Resp: 2372

Ion Ratio Lower Upper

106 100

91 158.3 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

