

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040852.D
 Acq On : 20 Oct 2020 17:10
 Operator : SY/MD
 Sample : L4428-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ44

Quant Time: Oct 21 01:10:42 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	122590	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124975	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53716	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	90763	8.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	178.60%#
7) Chloroethane-d5	1.92	69	38300	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.58	63	81201	4.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.80%
20) 2-Butanone-d5	4.67	46	193834	59.63	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.26%
24) Chloroform-d	5.08	84	86821	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	53865	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.74	84	163306	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.70	67	56276	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.91	98	130867	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	21358	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.64	63	125230	51.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49248	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	51948	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

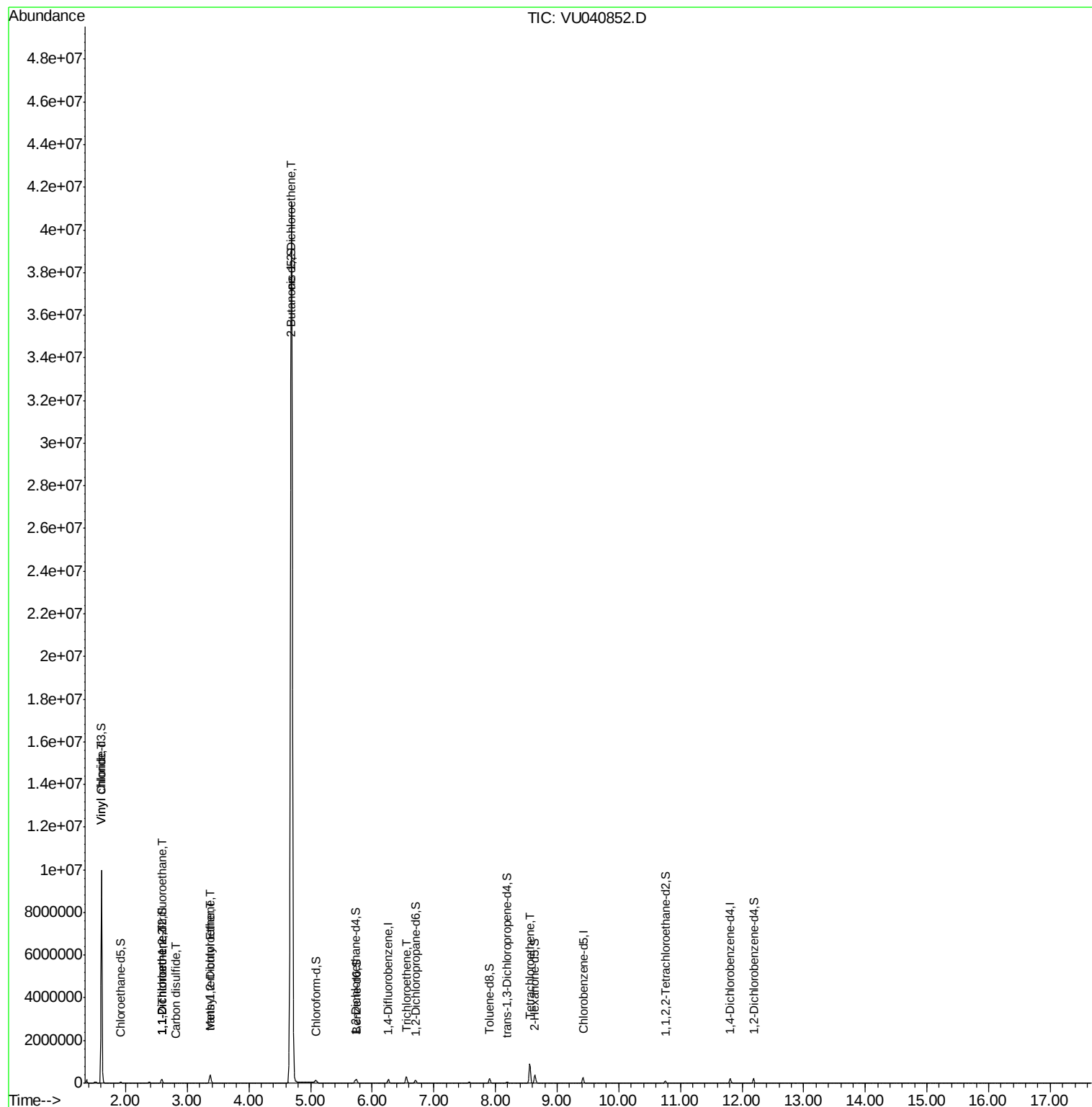
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	6500314	594.241	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1310	0.128	ug/L #	81
12) 1,1-Dichloroethene	2.59	96	27211	3.111	ug/L #	84
14) Carbon disulfide	2.81	76	5034	0.206	ug/L #	95
17) Methyl tert-butyl Ether	3.38	73	7202	0.291	ug/L #	83
18) trans-1,2-Dichloroethene	3.37	96	148977	16.271	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	19155444	1939.979	ug/L #	66
34) Trichloroethene	6.56	95	102349	9.834	ug/L	97
47) Tetrachloroethene	8.56	164	185667	25.005	ug/L	97

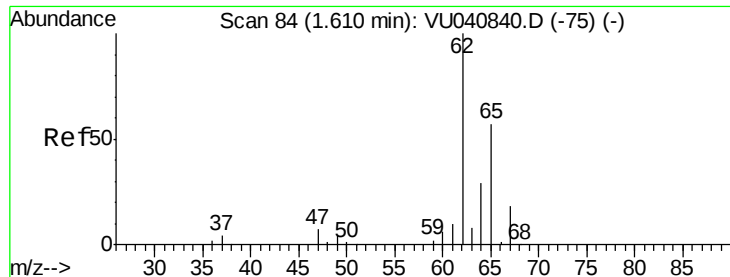
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 594.241 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040852.D

Acq: 20 Oct 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

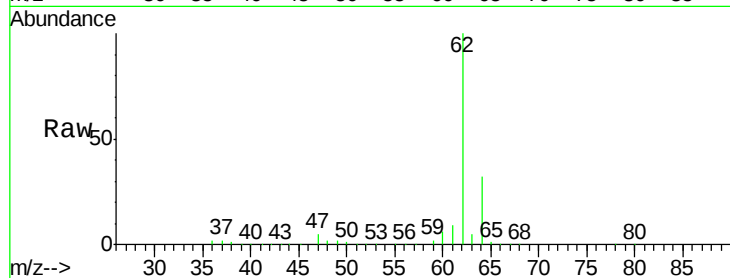
ETZ44

Tot Ion: 62 Resp: 6500314

Ion Ratio Lower Upper

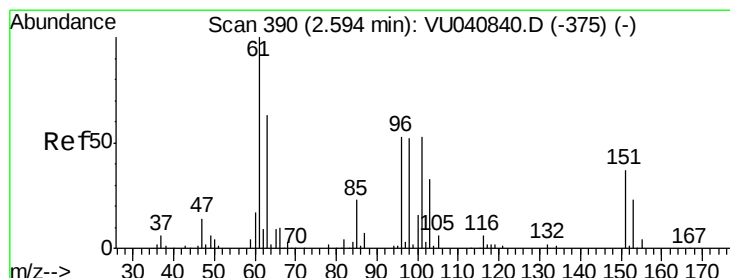
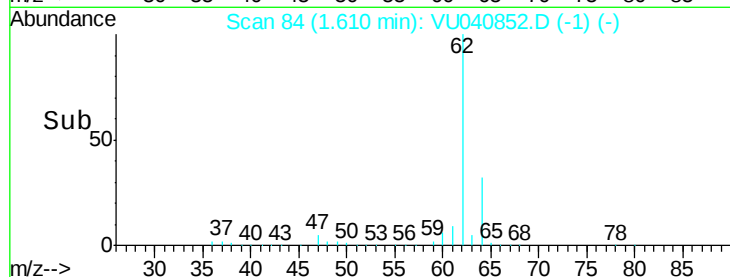
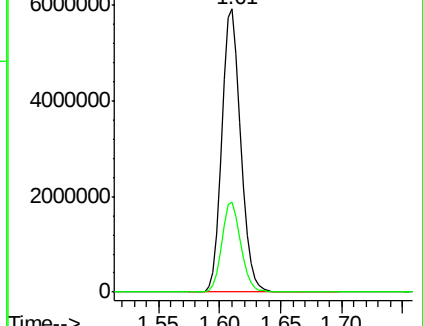
62 100

64 32.0 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU040840.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040840.D (-75) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.128 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040852.D

Acq: 20 Oct 2020 17:10

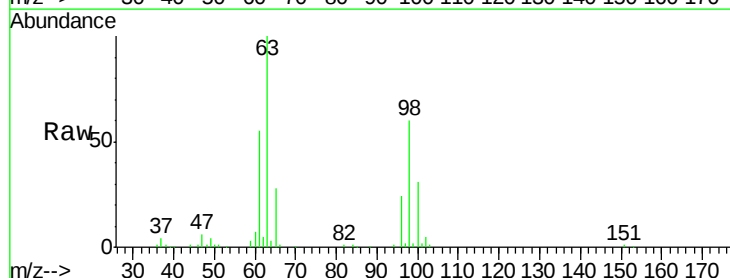
Tgt Ion:101 Resp: 1310

Ion Ratio Lower Upper

101 100

85 36.3 36.7 55.1#

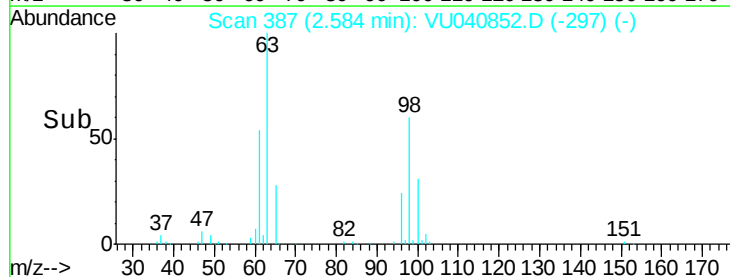
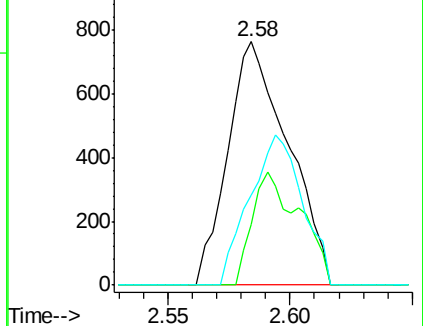
151 54.0 58.0 87.0#

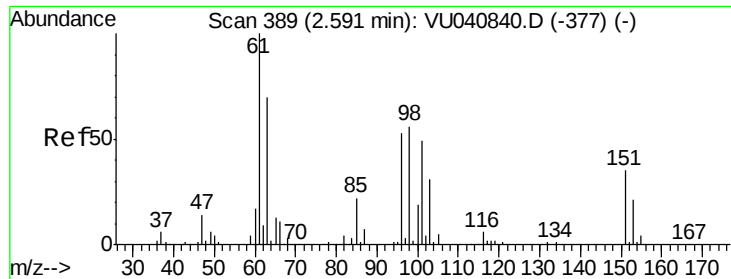


Abundance Ion 101.00 (100.70 to 101.70): VU040840.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VU040840.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VU040840.D (-375) (-)





#12

1,1-Dichloroethene

Concen: 3.111 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040852.D

Acq: 20 Oct 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

ETZ44

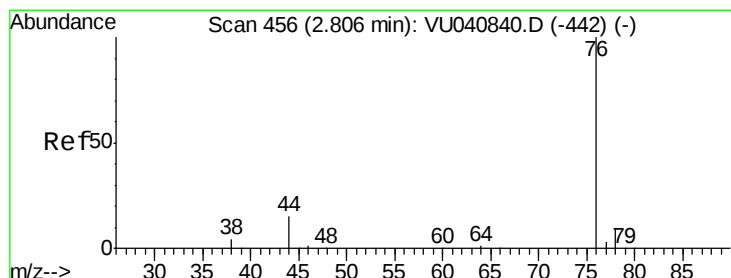
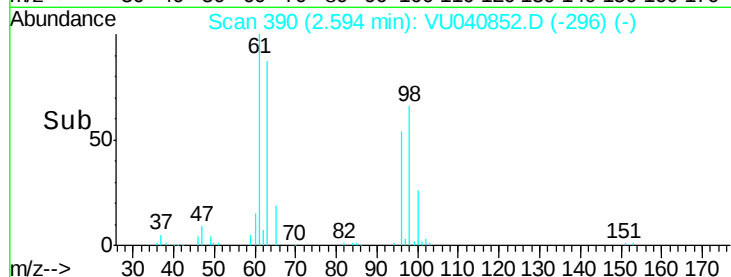
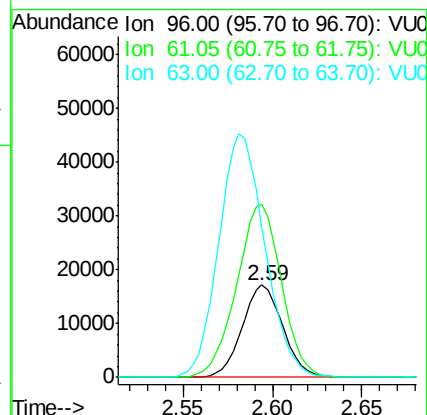
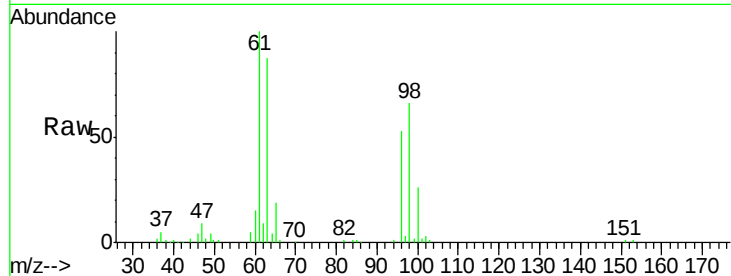
Tot Ion: 96 Resp: 27211

Ion Ratio Lower Upper

96 100

61 187.1 128.8 239.2

63 162.9 84.6 157.2#



#14

Carbon disulfide

Concen: 0.206 ug/L

RT: 2.81 min Scan# 458

Delta R.T. 0.01 min

Lab File: VU040852.D

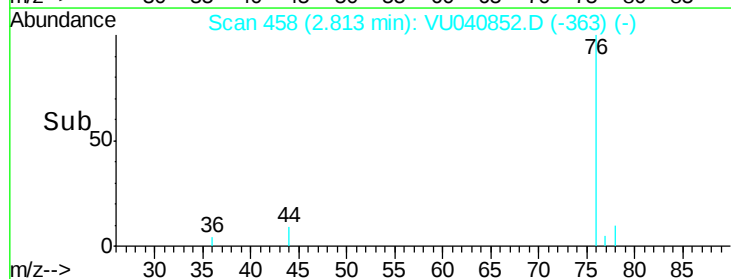
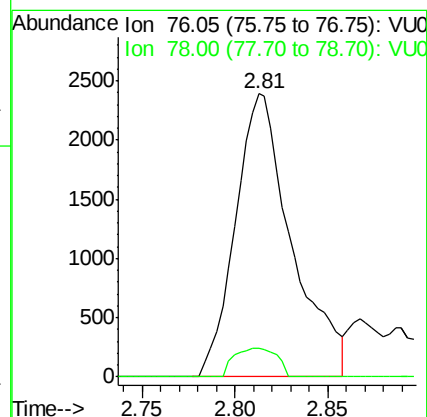
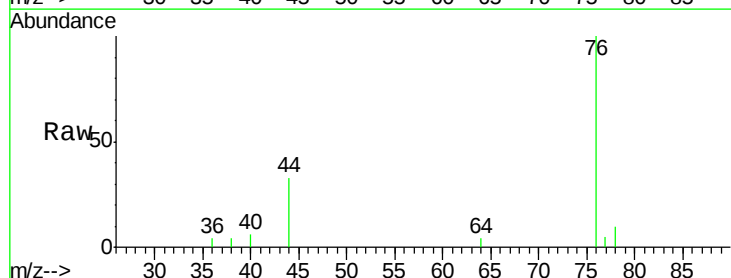
Acq: 20 Oct 2020 17:10

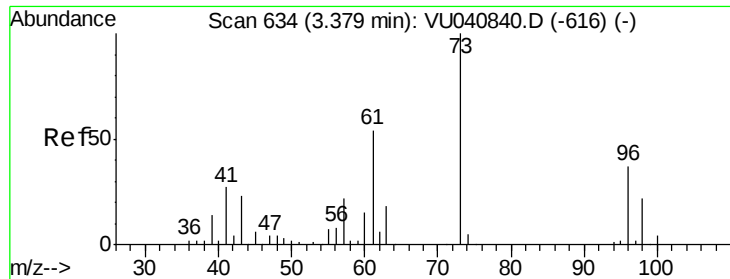
Tgt Ion: 76 Resp: 5034

Ion Ratio Lower Upper

76 100

78 10.2 6.8 10.2#

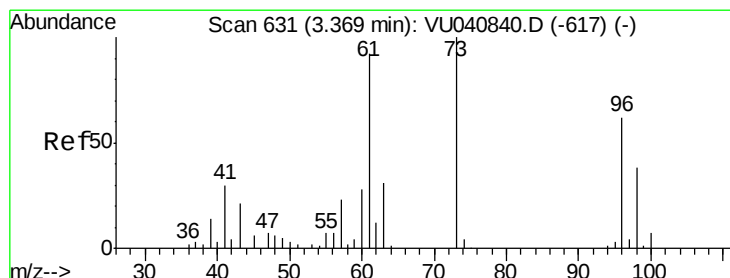
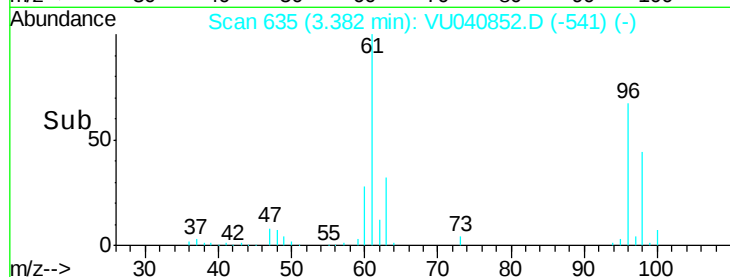
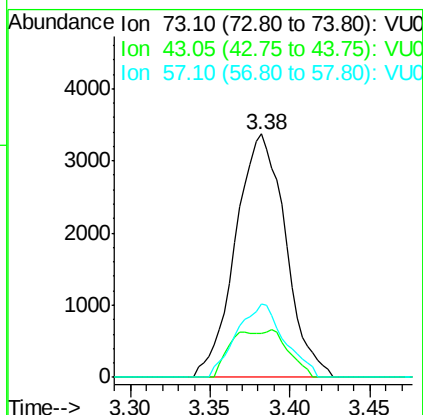
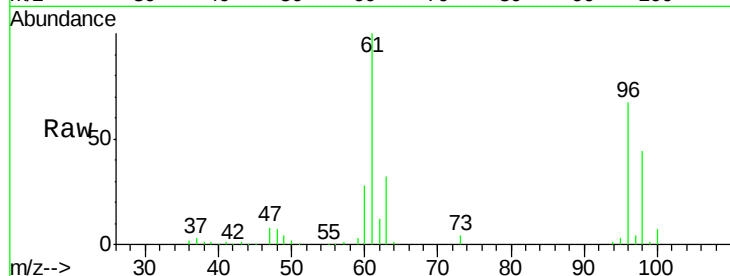




#17
Methvl tert-butvl Ether
Concen: 0.291 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040852.D
Acq: 20 Oct 2020 17:10

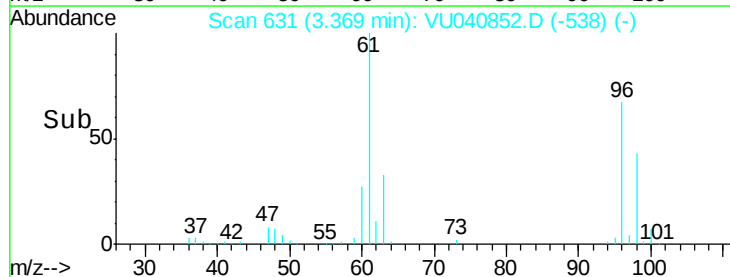
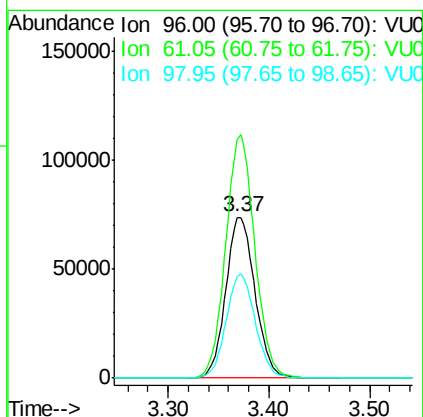
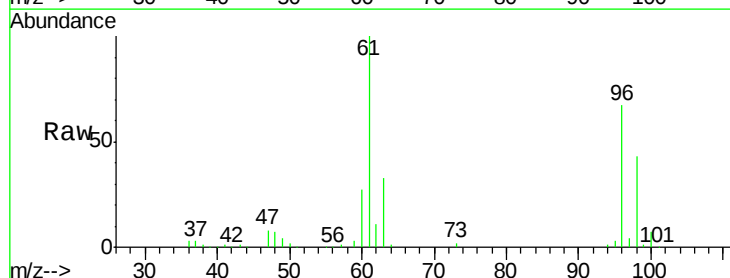
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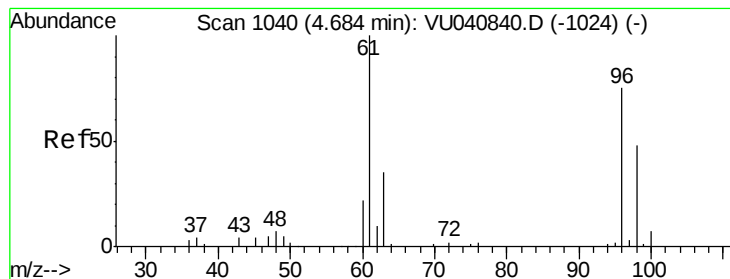
Tot Ion: 73 Resp: 7202
Ion Ratio Lower Upper
73 100
43 12.3 18.2 27.4#
57 28.9 18.6 28.0#



#18
trans-1,2-Dichloroethene
Concen: 16.271 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040852.D
Acq: 20 Oct 2020 17:10

Tgt Ion: 96 Resp: 148977
Ion Ratio Lower Upper
96 100
61 148.7 105.9 196.7
98 63.4 43.8 81.3





#22

cis-1,2-Dichloroethene

Concen: 1939.979 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU040852.D

Acq: 20 Oct 2020 17:10

Instrument :

MSVOA_U

ClientSampled :

ETZ44

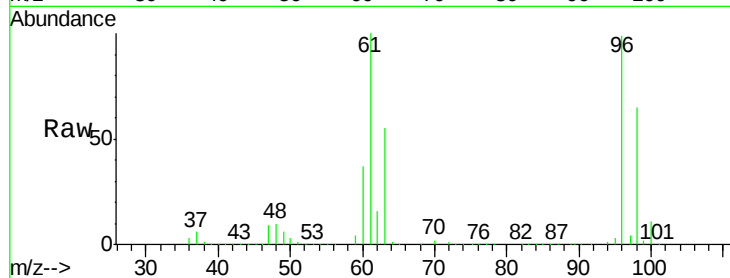
Tot Ion: 96 Resp:19155444

Ion Ratio Lower Upper

96 100

61 100.8 99.8 185.4

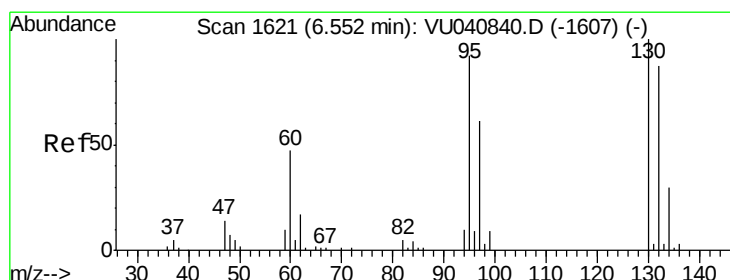
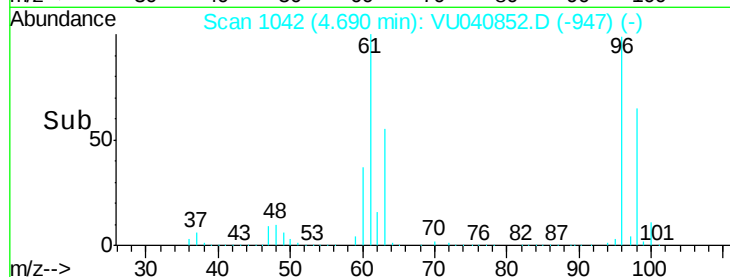
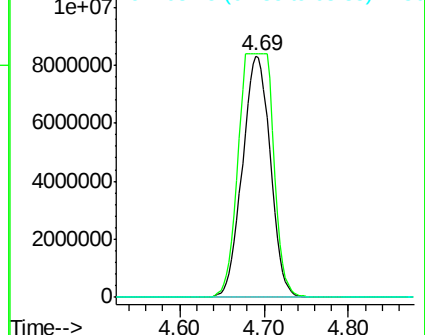
68 0.0 0.0 0.0#



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: 9.834 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040852.D

Acq: 20 Oct 2020 17:10

Tgt Ion: 95 Resp: 102349

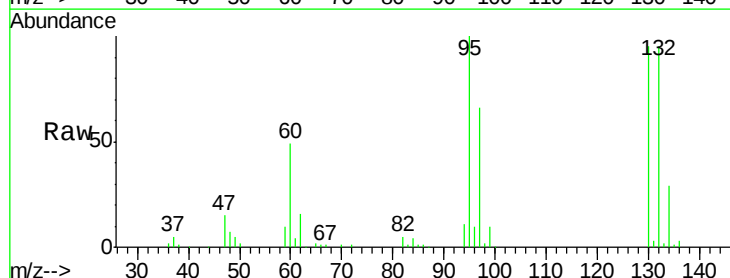
Ion Ratio Lower Upper

95 100

97 65.6 45.5 84.5

132 94.6 67.5 125.4

130 94.9 69.9 129.9

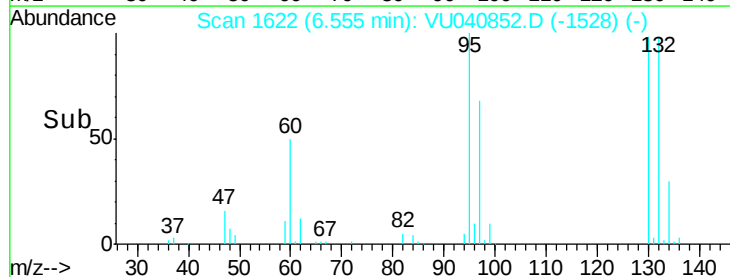
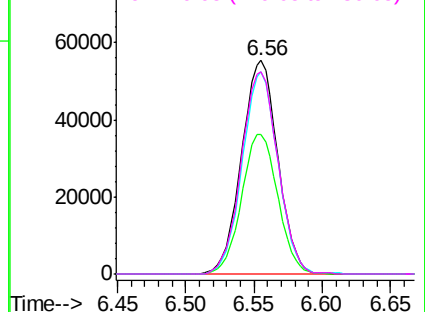


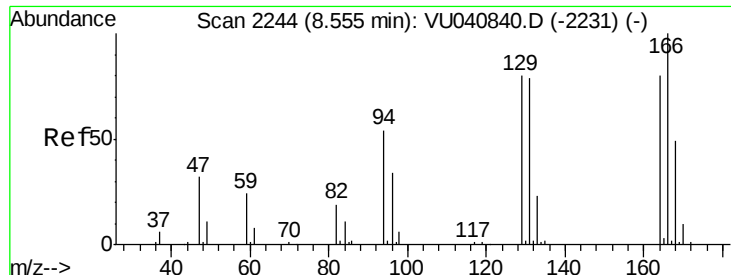
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#47

Tetrachloroethene

Concen: 25.005 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040852.D

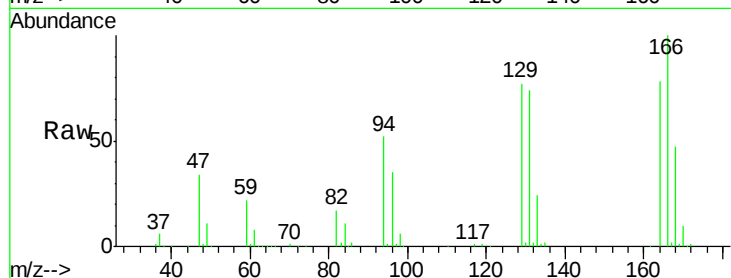
Acq: 20 Oct 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

ETZ44



Tot Ion:164 Resp: 185667

Ion Ratio Lower Upper

164 100

129 99.1 68.8 127.8

131 95.4 66.7 123.9

166 128.6 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

