

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101620\
 Data File : VU040756.D
 Acq On : 16 Oct 2020 18:38
 Operator : SY/MD
 Sample : L4419-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK3

Quant Time: Oct 17 01:38:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 23:38:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	108939	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113974	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47403	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	38155	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.92	69	36225	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.58	63	70213	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.60%
20) 2-Butanone-d5	4.67	46	161767	56.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.00%
24) Chloroform-d	5.08	84	86896	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.72	65	52766	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
32) Benzene-d6	5.74	84	151792	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.70	67	52262	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.91	98	119037	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.19	79	18493	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.64	63	107311	48.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47135	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	49017	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

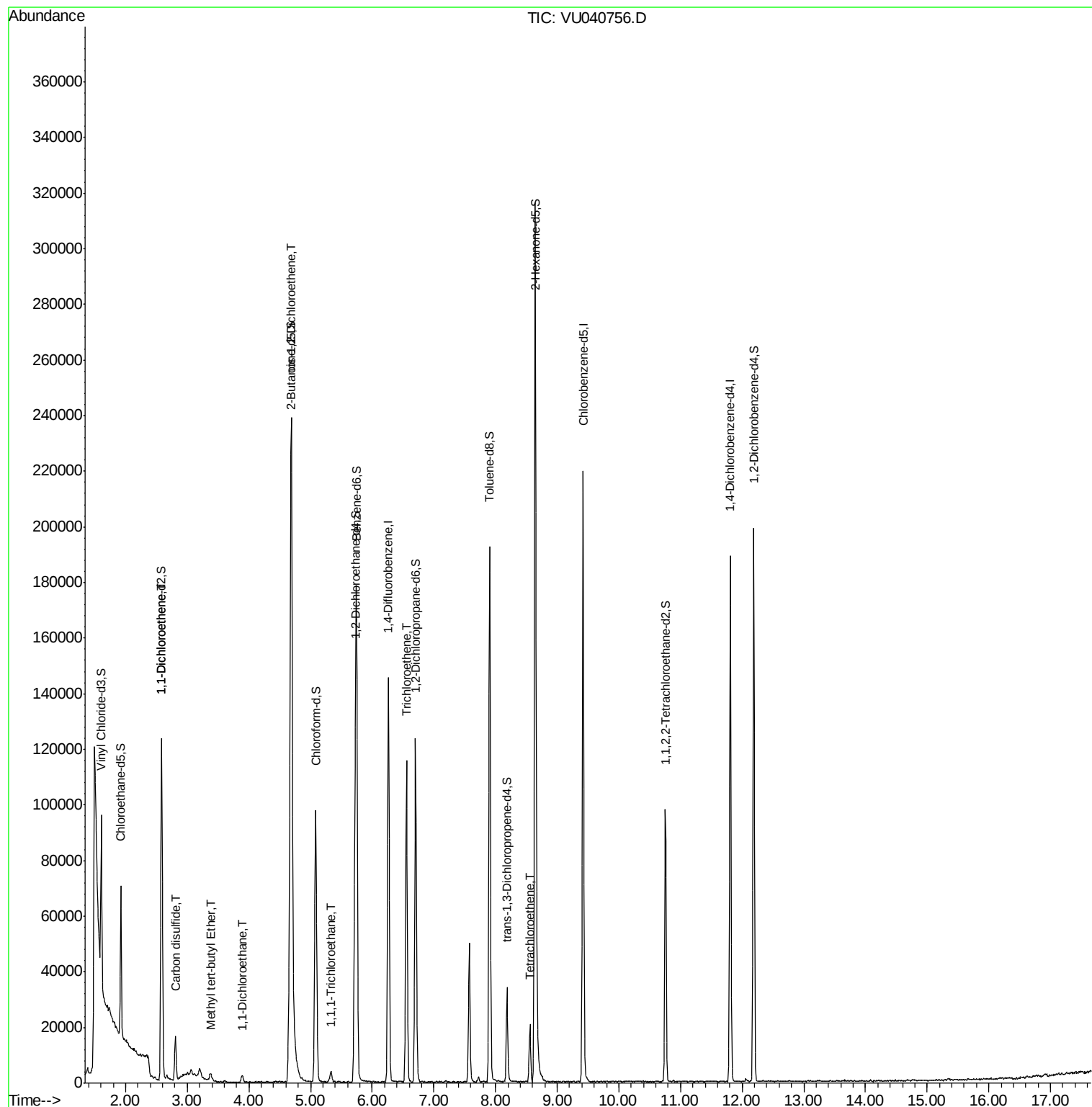
					Ovalue
12) 1,1-Dichloroethene	2.59	96	13603	1.750 ug/L #	43
14) Carbon disulfide	2.81	76	20205	0.929 ug/L	98
17) Methyl tert-butyl Ether	3.39	73	1913	0.087 ug/L #	85
19) 1,1-Dichloroethane	3.88	63	3270	0.194 ug/L #	84
22) cis-1,2-Dichloroethene	4.69	96	94765	10.800 ug/L	95
29) 1,1,1-Trichloroethane	5.33	97	3047	0.199 ug/L	97
34) Trichloroethene	6.56	95	38352	4.041 ug/L	96
47) Tetrachloroethene	8.56	164	3914	0.578 ug/L	81

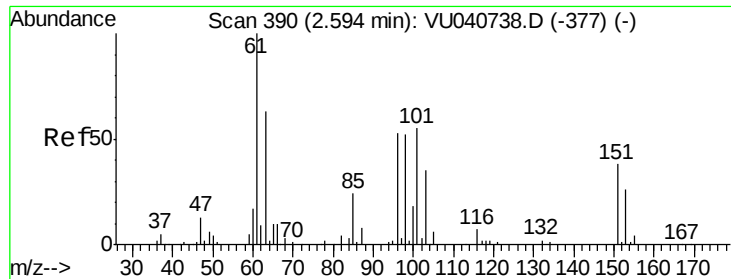
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.750 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040756.D

Acq: 16 Oct 2020 18:38

Instrument :

MSVOA_U

ClientSampleId :

C0AK3

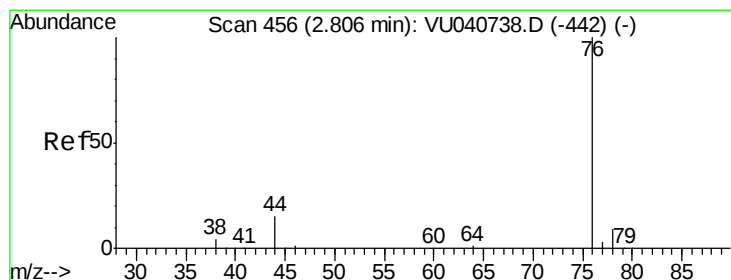
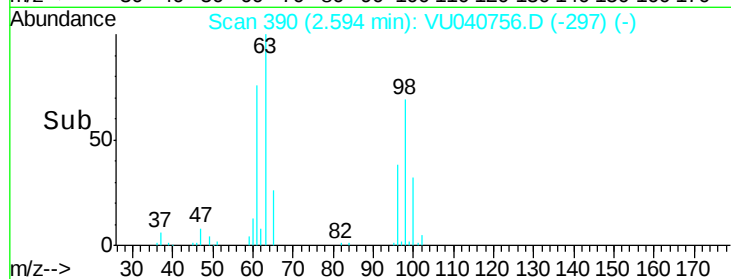
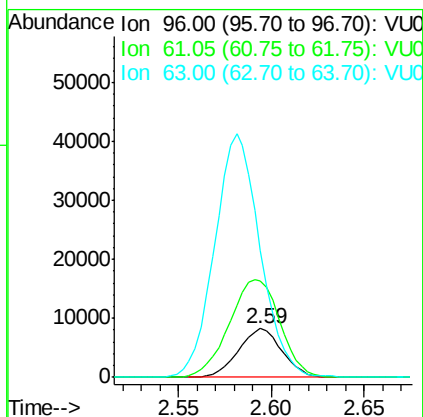
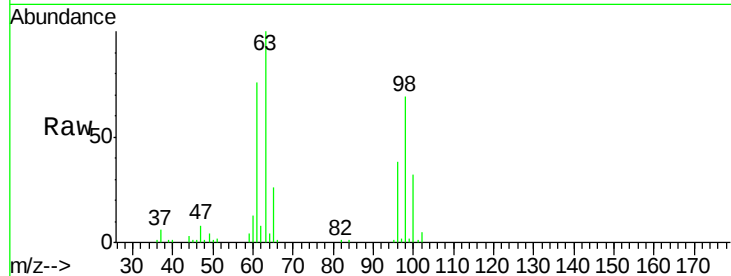
Tot Ion: 96 Resp: 13603

Ion Ratio Lower Upper

96 100

61 200.1 128.8 239.2

63 263.5 84.6 157.2#



#14

Carbon disulfide

Concen: 0.929 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040756.D

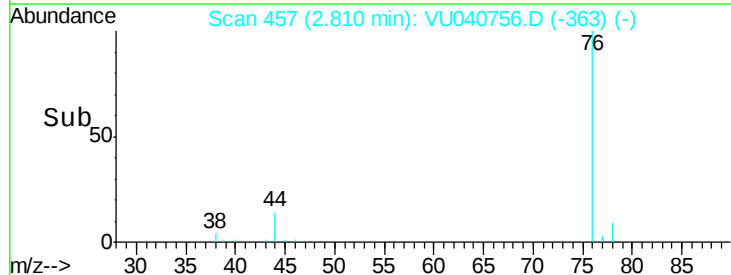
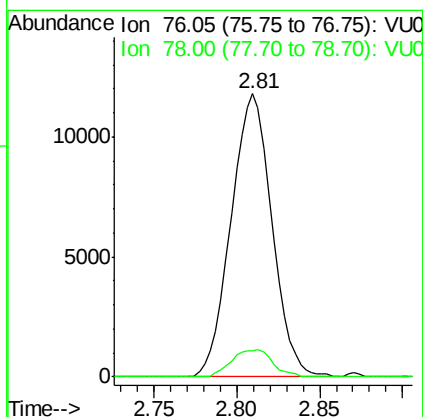
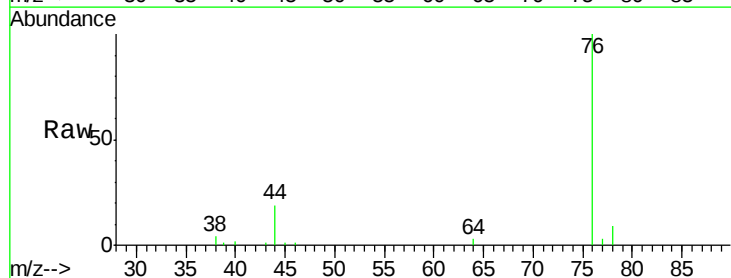
Acq: 16 Oct 2020 18:38

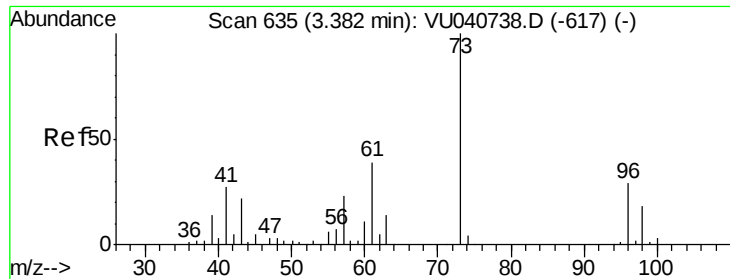
Tgt Ion: 76 Resp: 20205

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2

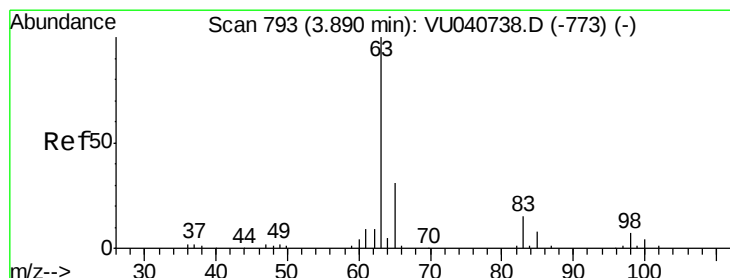
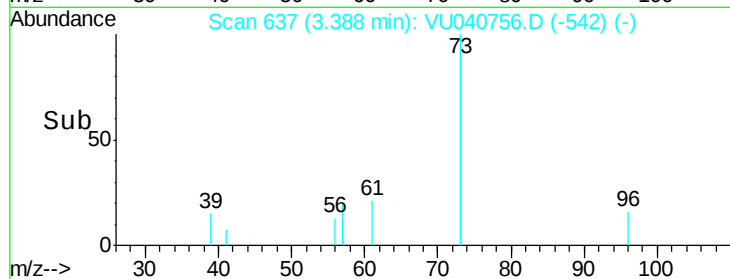
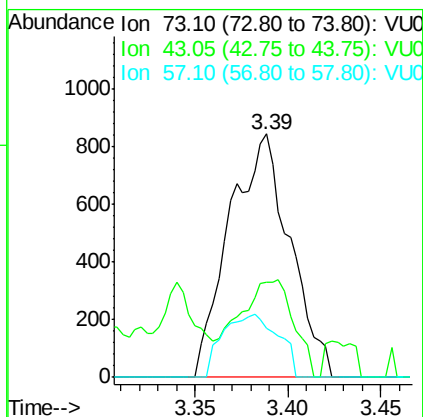
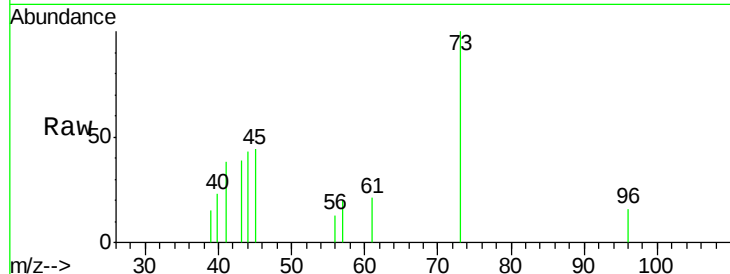




#17
Methvl tert-butvl Ether
Concen: 0.087 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.01 min
Lab File: VU040756.D
Acq: 16 Oct 2020 18:38

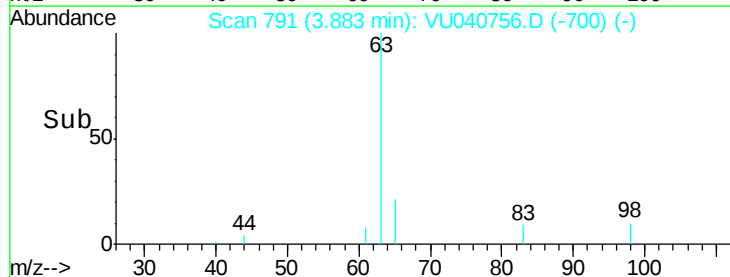
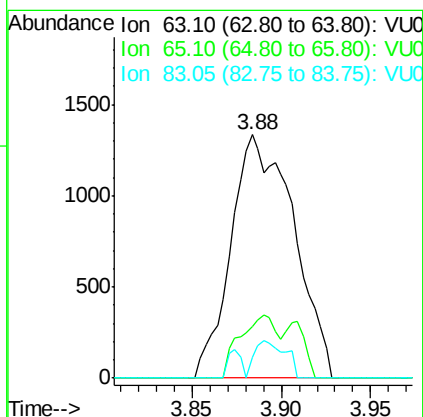
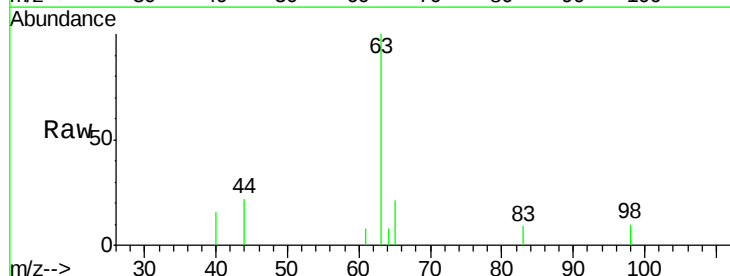
Instrument :
MSVOA_U
ClientSampled :
C0AK3

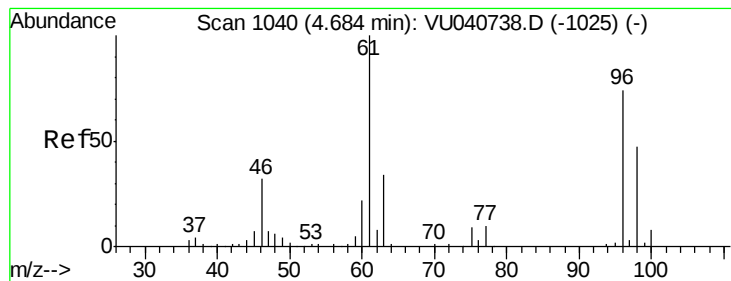
Tot Ion: 73 Resp: 1913
Ion Ratio Lower Upper
73 100
43 37.3 18.2 27.4#
57 23.6 18.6 28.0



#19
1,1-Dichloroethane
Concen: 0.194 ug/L
RT: 3.88 min Scan# 791
Delta R.T. -0.01 min
Lab File: VU040756.D
Acq: 16 Oct 2020 18:38

Tgt Ion: 63 Resp: 3270
Ion Ratio Lower Upper
63 100
65 21.4 21.9 40.7#
83 8.7 9.6 17.8#





#22

cis-1,2-Dichloroethene

Concen: 10.800 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040756.D

Acq: 16 Oct 2020 18:38

Instrument :

MSVOA_U

ClientSampleId :

C0AK3

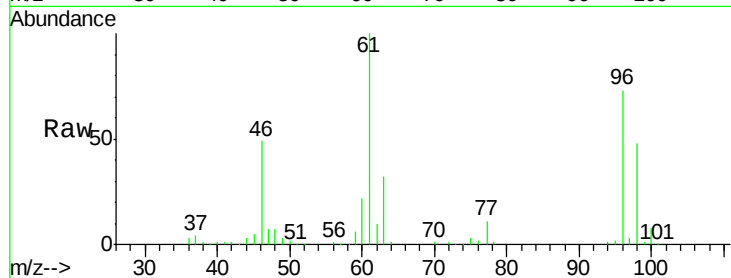
Tot Ion: 96 Resp: 94765

Ion Ratio Lower Upper

96 100

61 136.7 99.8 185.4

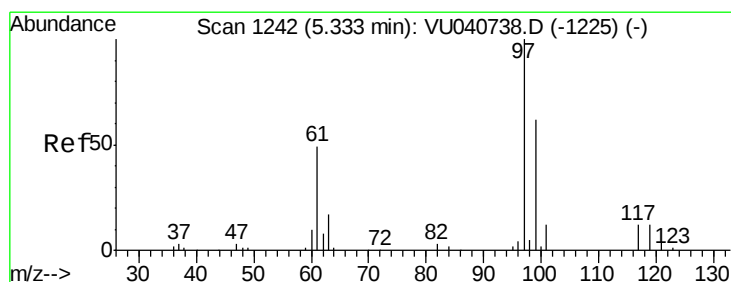
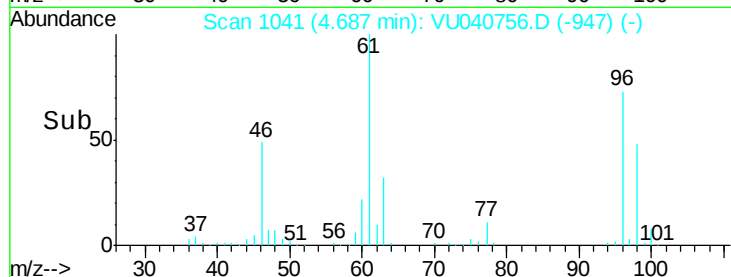
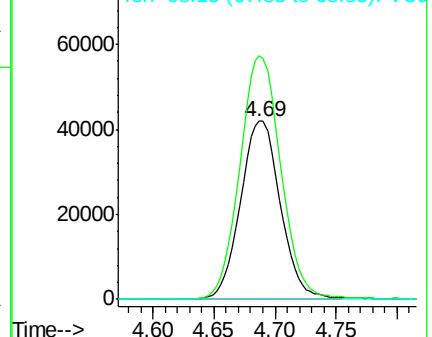
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040738.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU040738.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU040738.D (-1025) (-)



#29

1,1,1-Trichloroethane

Concen: 0.199 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040756.D

Acq: 16 Oct 2020 18:38

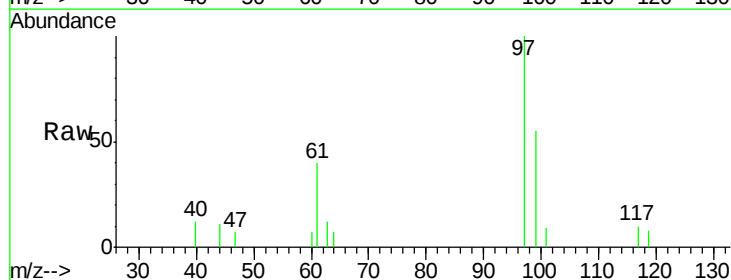
Tgt Ion: 97 Resp: 3047

Ion Ratio Lower Upper

97 100

99 60.9 51.3 76.9

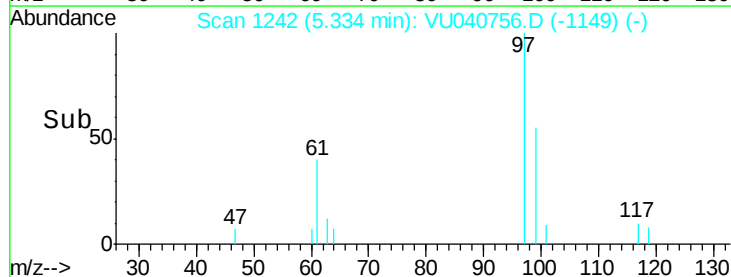
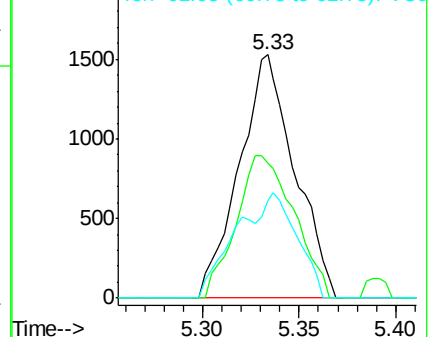
61 47.6 39.4 59.2

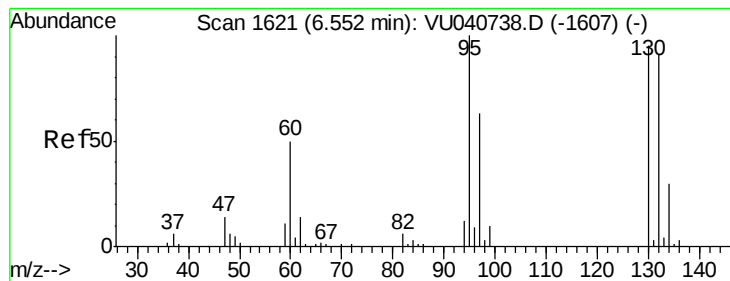


Abundance Ion 96.95 (96.65 to 97.65): VU040738.D (-1225) (-)

Ion 99.05 (98.75 to 99.75): VU040738.D (-1225) (-)

Ion 61.05 (60.75 to 61.75): VU040738.D (-1225) (-)





#34

Trichloroethene

Concen: 4.041 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040756.D

Acq: 16 Oct 2020 18:38

Instrument :

MSVOA_U

ClientSampleId :

C0AK3

Tot Ion: 95 Resp: 38352

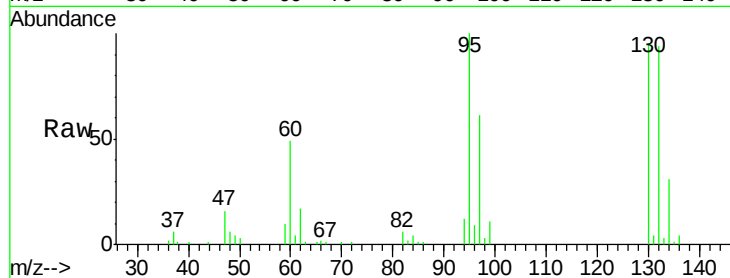
Ion Ratio Lower Upper

95 100

97 61.1 45.5 84.5

132 93.5 67.5 125.4

130 95.1 69.9 129.9

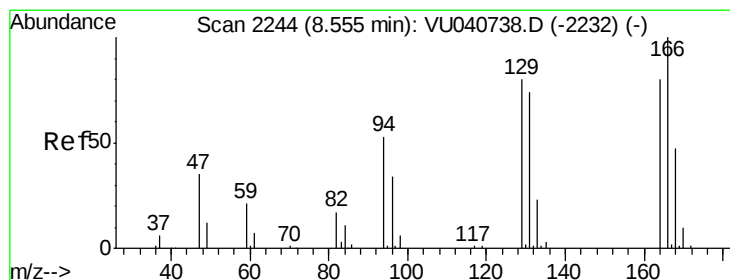
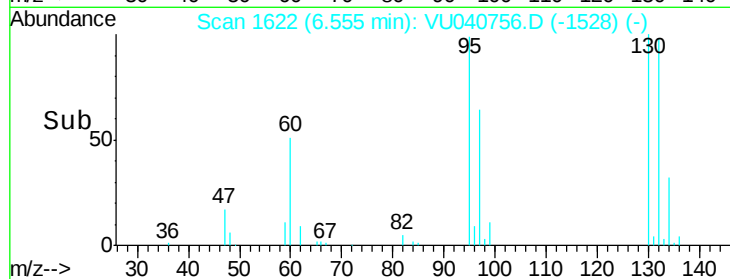
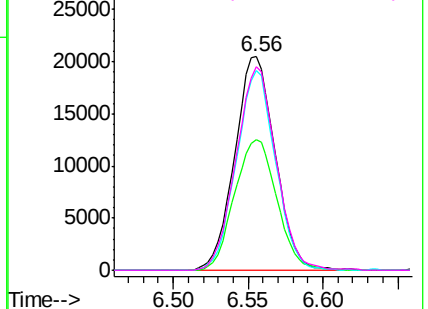


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 0.578 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040756.D

Acq: 16 Oct 2020 18:38

Tgt Ion: 164 Resp: 3914

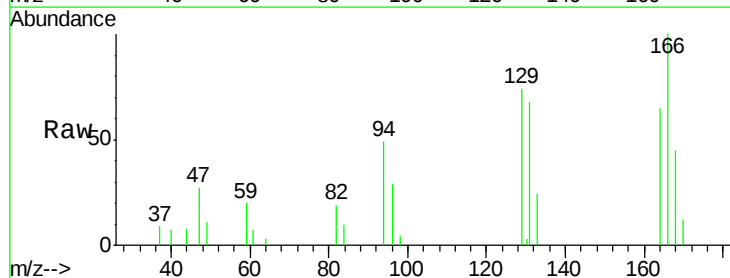
Ion Ratio Lower Upper

164 100

129 113.8 68.8 127.8

131 103.6 66.7 123.9

166 153.1 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

