

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
 Data File : VU041905.D
 Acq On : 08 Jan 2021 15:12
 Operator : SY/MD
 Sample : M1049-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ4

Quant Time: Jan 09 02:41:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 09 01:31:59 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115946	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111883	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46708	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35961	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.92	69	39011	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.20%
11) 1,1-Dichloroethene-d2	2.57	63	51697	3.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.00%
20) 2-Butanone-d5	4.66	46	154394	59.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.60%
24) Chloroform-d	5.08	84	86732	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	5.72	65	50396	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.40%
32) Benzene-d6	5.74	84	157913	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.70	67	53756	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.90	98	121900	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	8.19	79	19672	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.64	63	134795	54.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50065	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	49102	5.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.20%

Target Compounds

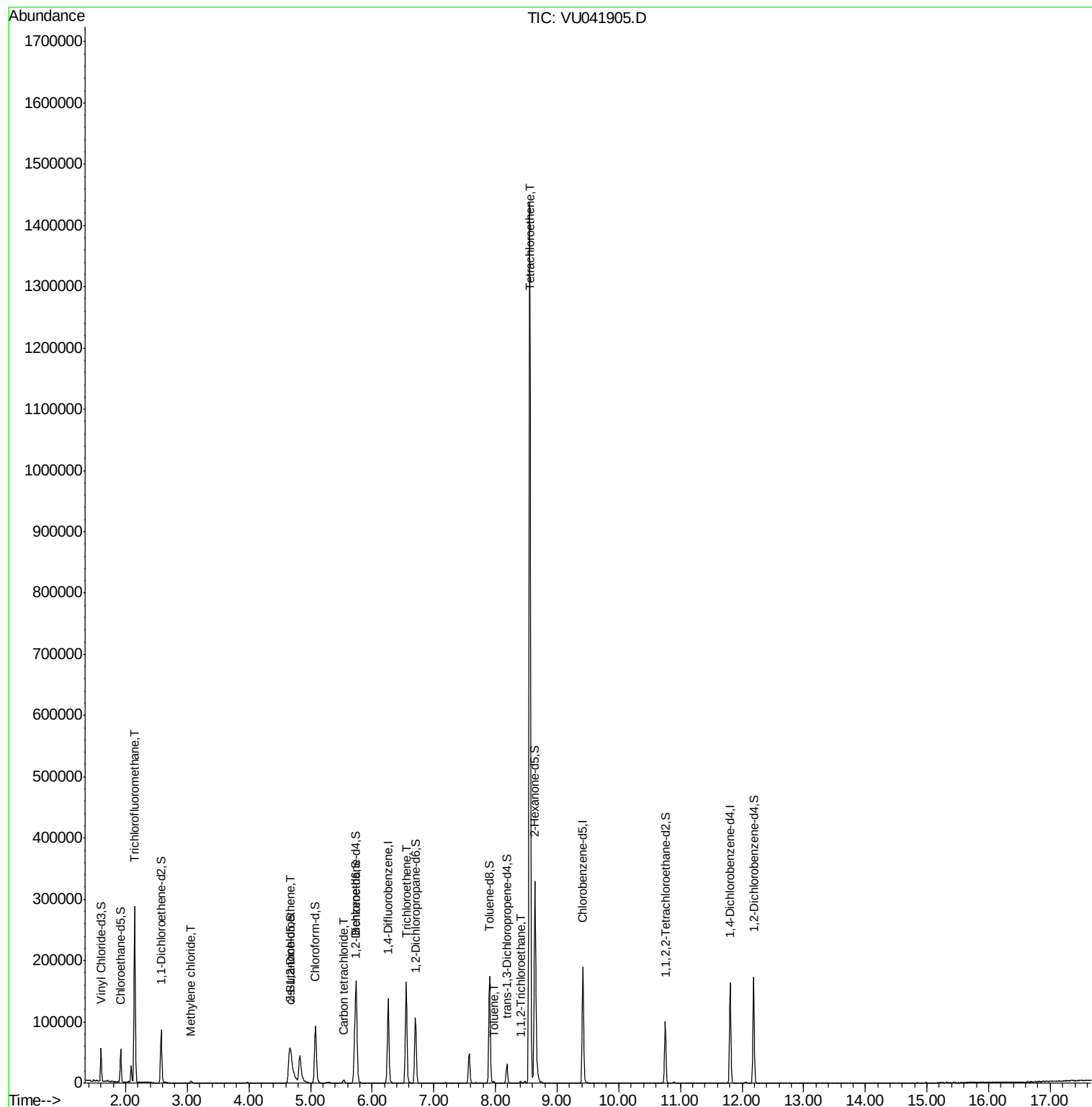
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Trichlorofluoromethane	2.15	101	186096	13.953	ug/L	99
16) Methylene chloride	3.06	84	1847	0.197	ug/L #	76
22) cis-1,2-Dichloroethene	4.69	96	3574	0.397	ug/L	76
31) Carbon tetrachloride	5.54	117	3752	0.338	ug/L	90
34) Trichloroethene	6.55	95	56404	6.273	ug/L	95
42) Toluene	7.97	91	1921	0.052	ug/L	93
45) 1,1,2-Trichloroethane	8.41	97	1361	0.201	ug/L #	66
47) Tetrachloroethene	8.56	164	336222	53.417	ug/L	96

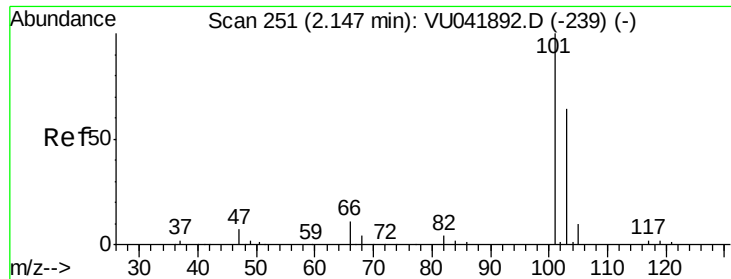
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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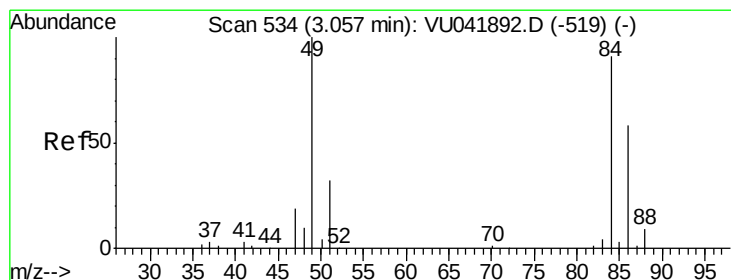
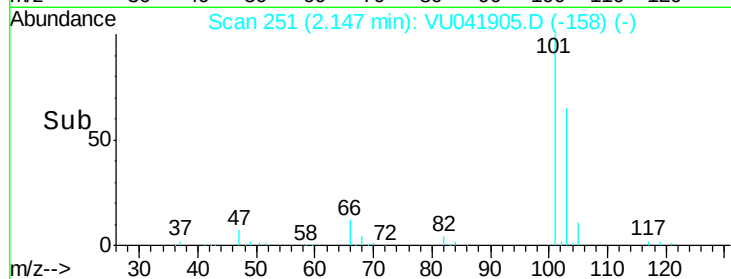
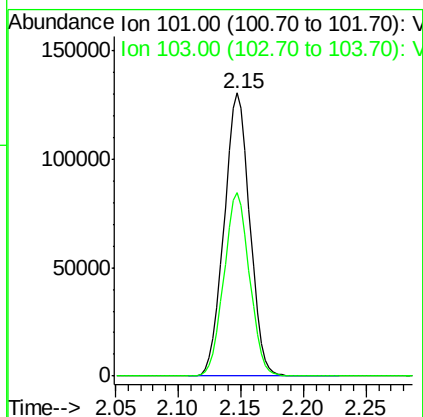
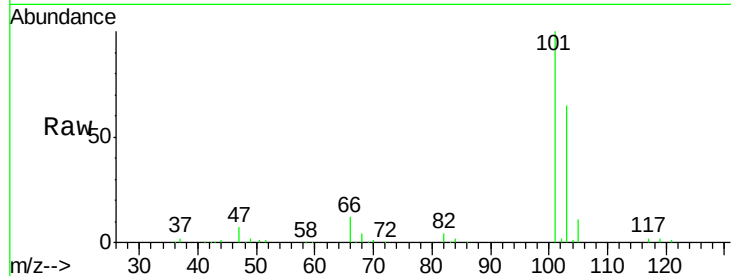


#9

Trichlorofluoromethane
 Concen: 13.953 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VU041905.D
 Acq: 08 Jan 2021 15:12

Instrument :
 MSVOA_U
 ClientSampleId :
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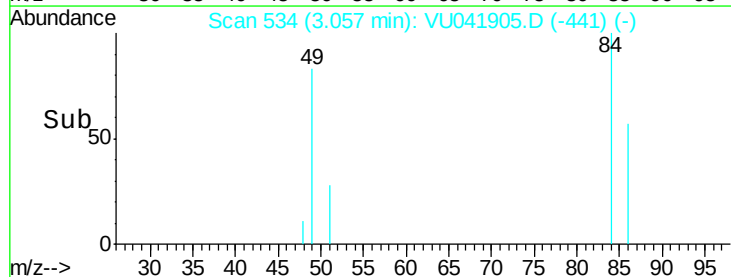
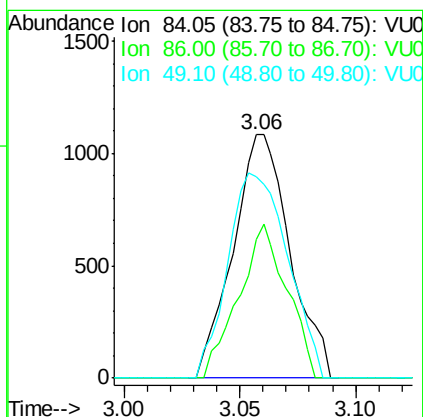
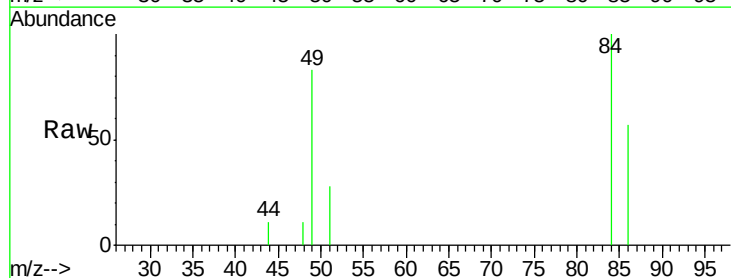
Tgt Ion: 101 Resp: 186096
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.1 76.7

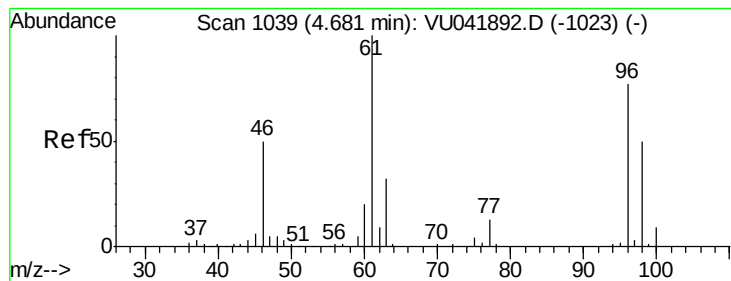


#16

Methylene chloride
 Concen: 0.197 ug/L
 RT: 3.06 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VU041905.D
 Acq: 08 Jan 2021 15:12

Tgt Ion: 84 Resp: 1847
 Ion Ratio Lower Upper
 84 100
 86 57.1 45.1 83.7
 49 82.7 83.1 154.3#





#22

cis-1,2-Dichloroethene

Concen: 0.397 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041905.D

Acq: 08 Jan 2021 15:12

Instrument :

MSVOA_U

ClientSampleId :

C0AQ4

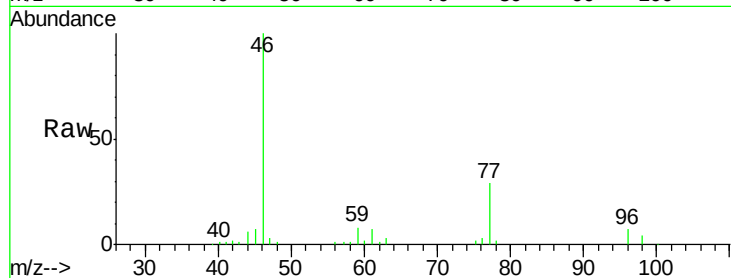
Tgt Ion: 96 Resp: 3574

Ion Ratio Lower Upper

96 100

61 99.6 88.8 165.0

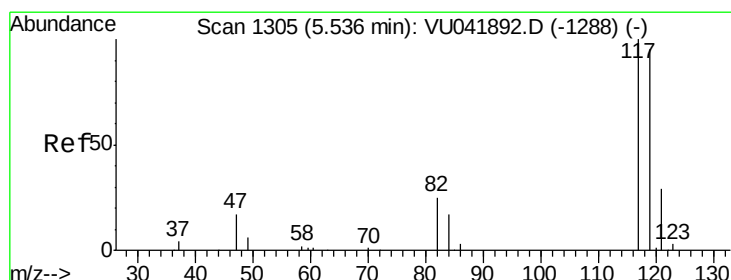
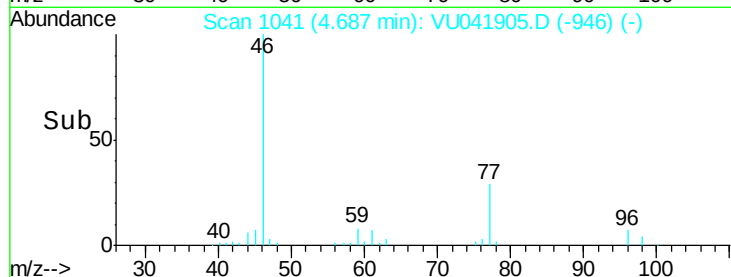
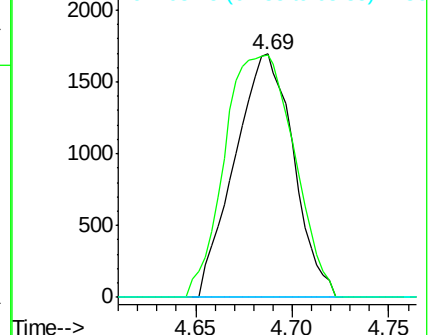
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041892.D (-1023) (-)

Ion 61.05 (60.75 to 61.75): VU041892.D (-1023) (-)

Ion 68.15 (67.85 to 68.85): VU041892.D (-1023) (-)



#31

Carbon tetrachloride

Concen: 0.338 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041905.D

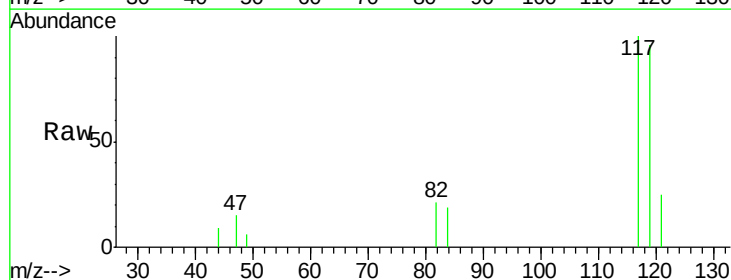
Acq: 08 Jan 2021 15:12

Tgt Ion: 117 Resp: 3752

Ion Ratio Lower Upper

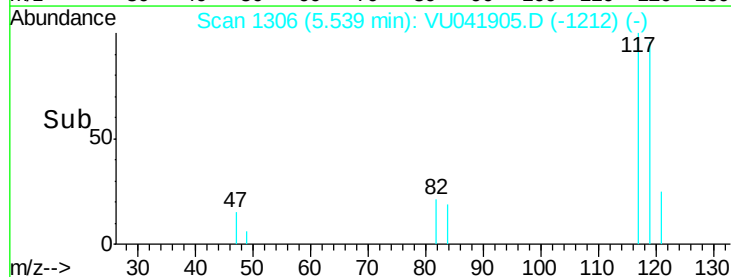
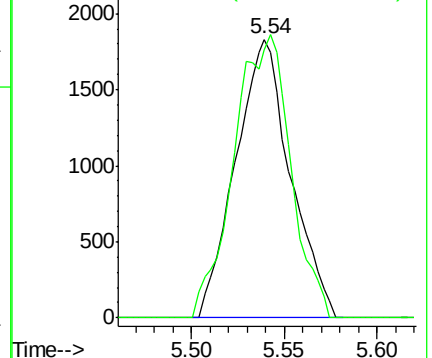
117 100

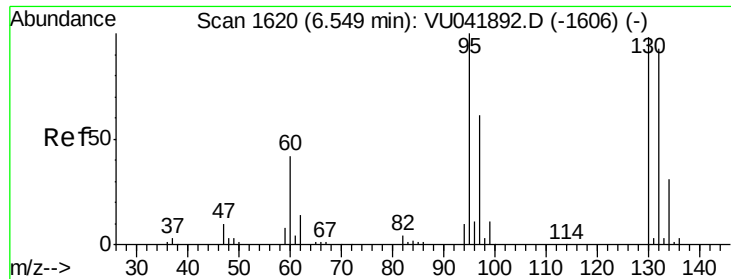
119 105.1 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): VU041892.D (-1288) (-)

Ion 118.90 (118.60 to 119.60): VU041892.D (-1288) (-)

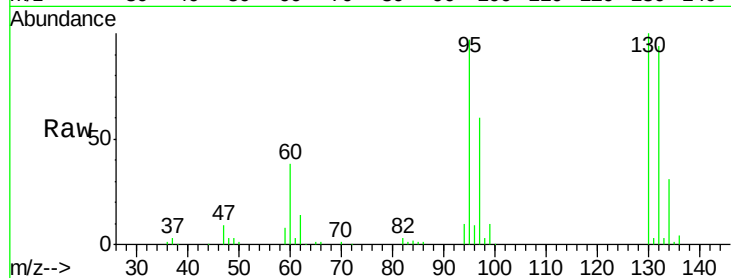




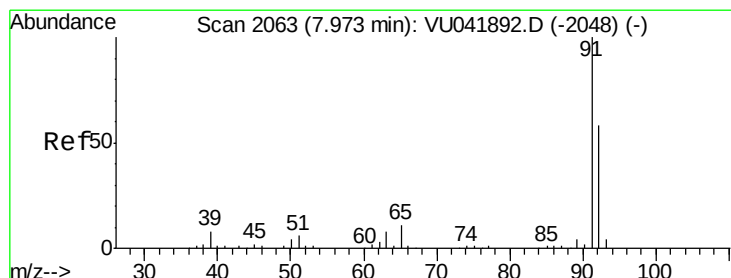
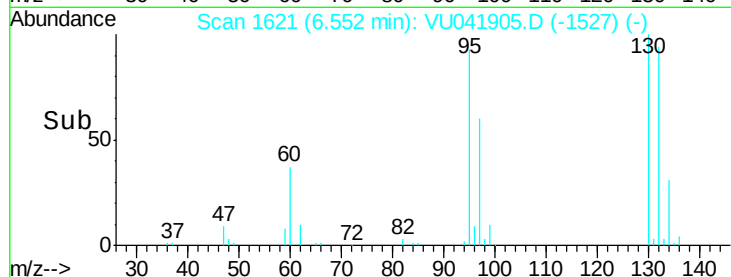
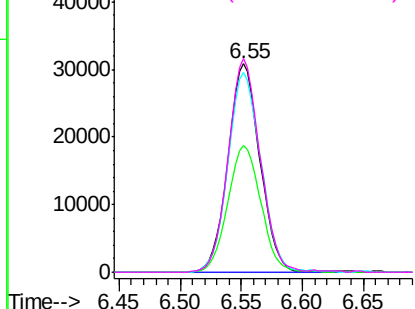
#34
 Trichloroethene
 Concen: 6.273 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041905.D
 Acq: 08 Jan 2021 15:12

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ4

Tgt Ion: 95 Resp: 56404
 Ion Ratio Lower Upper
 95 100
 97 61.1 43.9 81.5
 132 96.3 63.1 117.3
 130 102.6 67.4 125.2

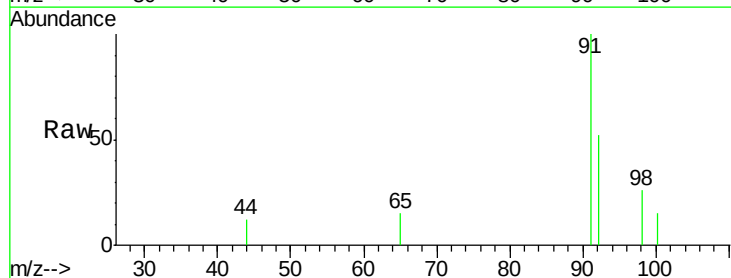


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

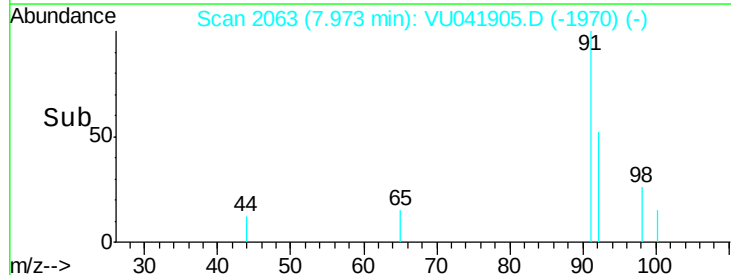
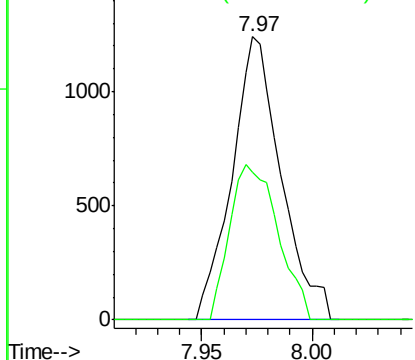


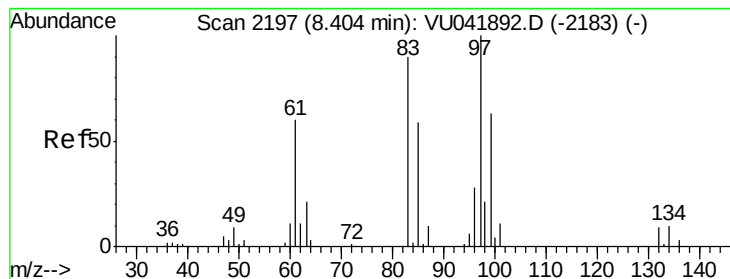
#42
 Toluene
 Concen: 0.052 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VU041905.D
 Acq: 08 Jan 2021 15:12

Tgt Ion: 91 Resp: 1921
 Ion Ratio Lower Upper
 91 100
 92 52.3 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0





#45

1,1,2-Trichloroethane

Concen: 0.201 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU041905.D

Acq: 08 Jan 2021 15:12

Instrument :

MSVOA_U

ClientSampleId :

C0AQ4

Tgt Ion: 97 Resp: 1361

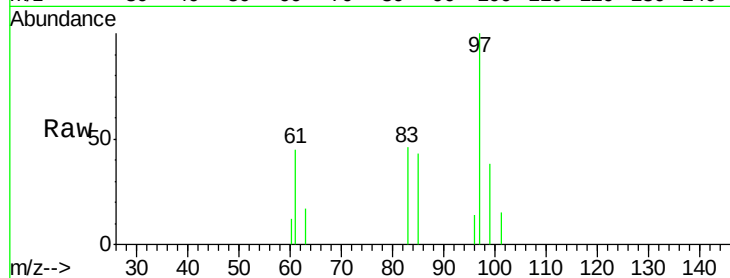
Ion Ratio Lower Upper

97 100

99 37.5 42.1 78.3#

83 45.6 62.6 116.2#

85 43.3 39.1 72.7



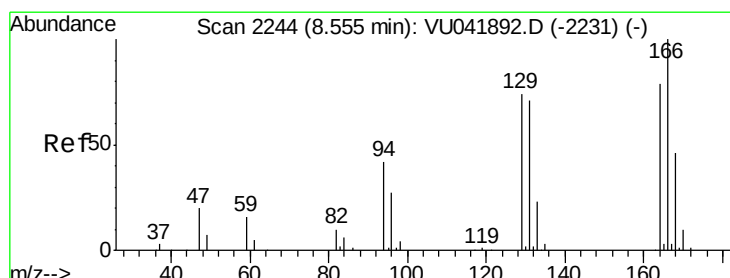
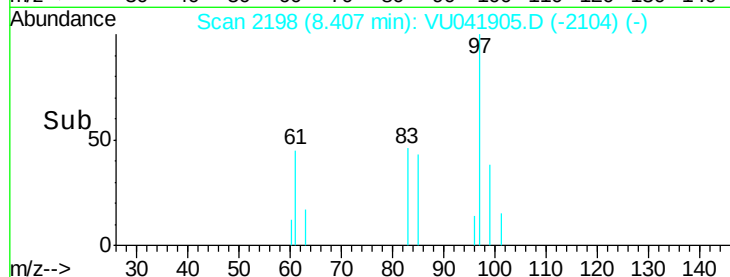
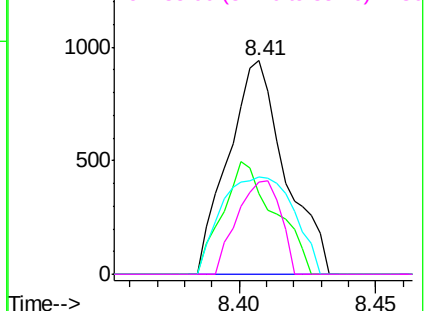
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 53.417 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041905.D

Acq: 08 Jan 2021 15:12

Tgt Ion: 164 Resp: 336222

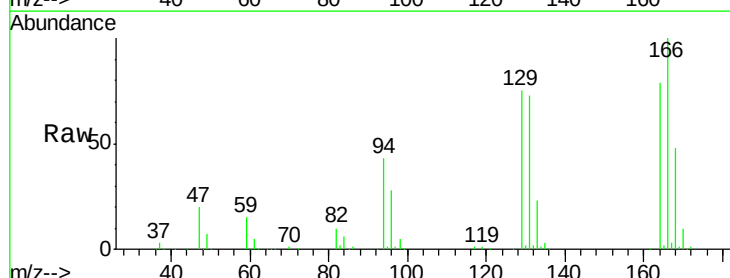
Ion Ratio Lower Upper

164 100

129 95.5 72.2 134.0

131 92.9 66.9 124.3

166 127.0 89.6 166.4



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

