

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040845.D
 Acq On : 20 Oct 2020 14:04
 Operator : SY/MD
 Sample : L4419-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH0

Quant Time: Oct 21 00:24:15 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	114903	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118826	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51107	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44968	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.92	69	40663	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.80%
11) 1,1-Dichloroethene-d2	2.58	63	85719	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	4.65	46	171919	56.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.86%
24) Chloroform-d	5.08	84	93530	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.00%
26) 1,2-Dichloroethane-d4	5.72	65	55240	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.74	84	171492	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.70	67	59067	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.91	98	138683	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	8.19	79	22518	5.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.00%
46) 2-Hexanone-d5	8.64	63	125734	54.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.26%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52390	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	54578	5.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.20%

Target Compounds

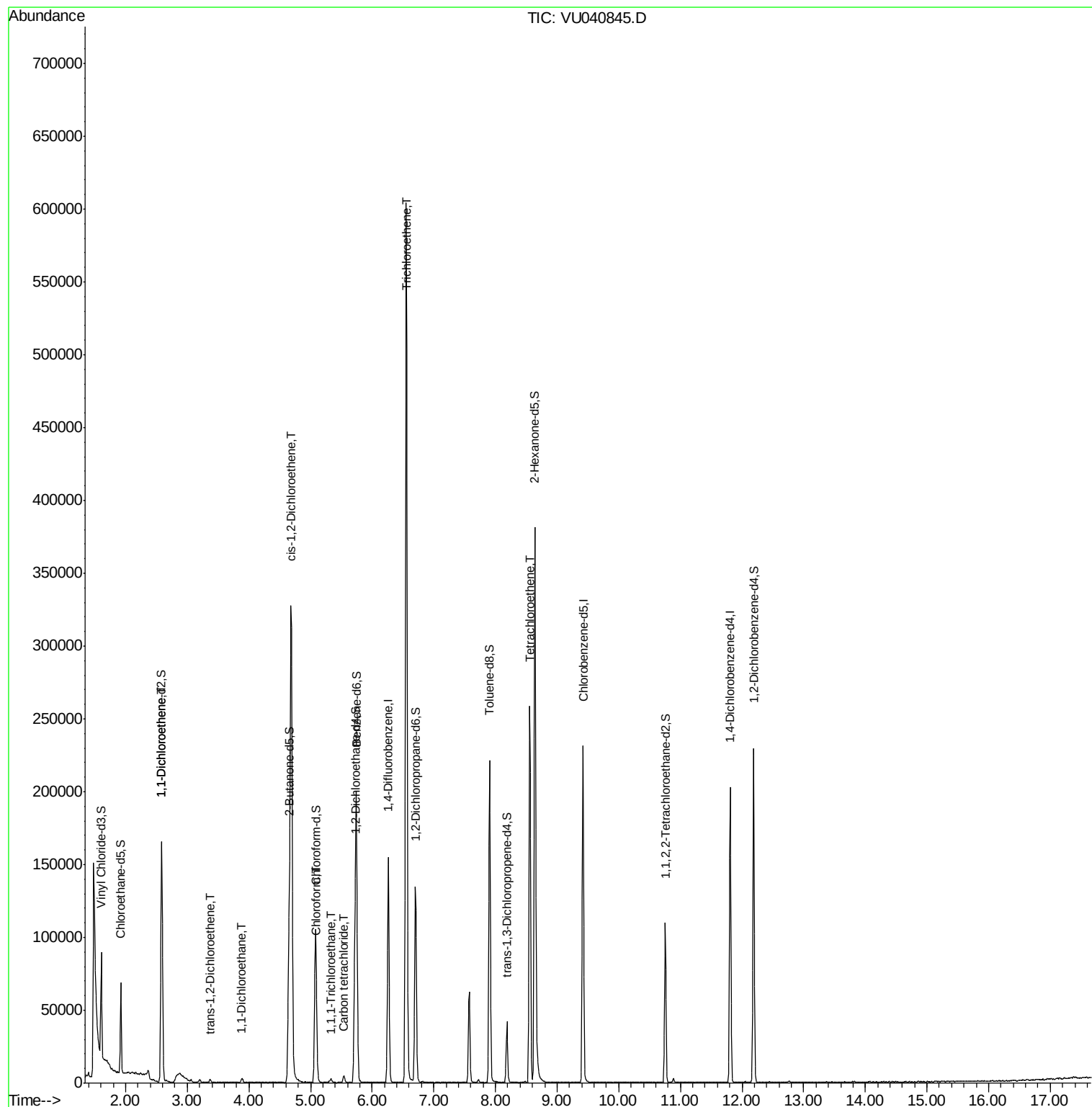
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	26472	3.229	ug/L #	80
18) trans-1,2-Dichloroethene	3.37	96	1037	0.121	ug/L #	73
19) 1,1-Dichloroethane	3.88	63	3973	0.224	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	147386	15.925	ug/L	95
25) Chloroform	5.11	83	5078	0.280	ug/L	92
29) 1,1,1-Trichloroethane	5.33	97	1751	0.110	ug/L	91
31) Carbon tetrachloride	5.54	117	2964	0.217	ug/L	85
34) Trichloroethene	6.56	95	198648	20.075	ug/L	97
47) Tetrachloroethene	8.56	164	53650	7.599	ug/L	96

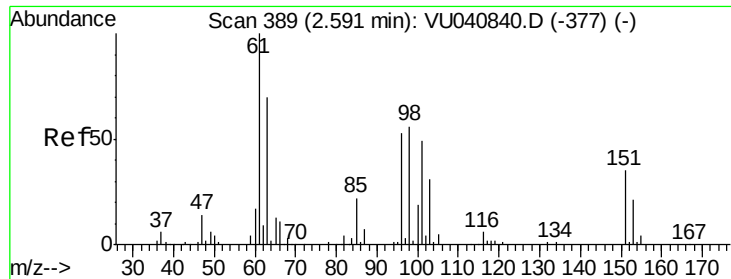
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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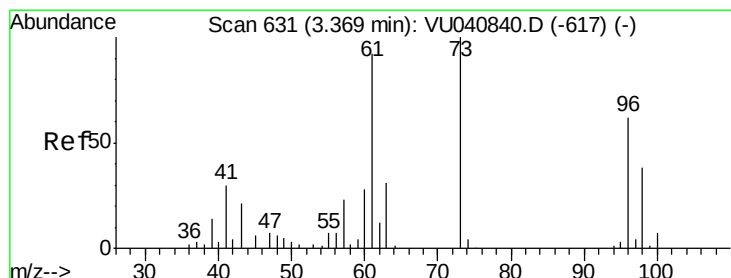
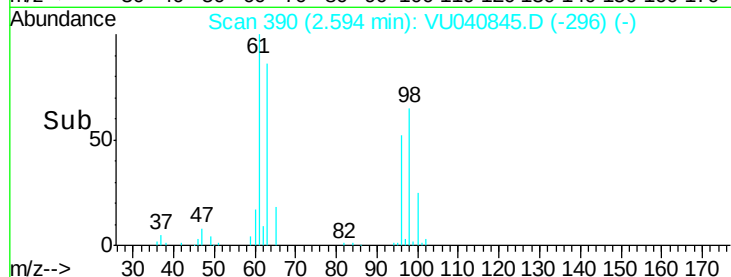
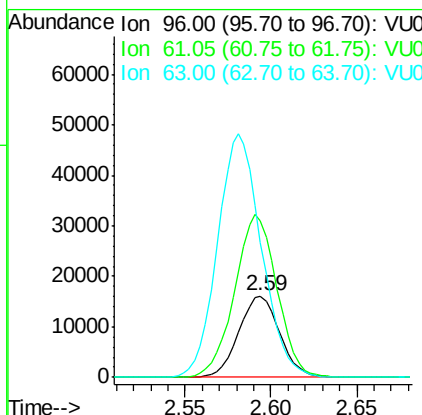
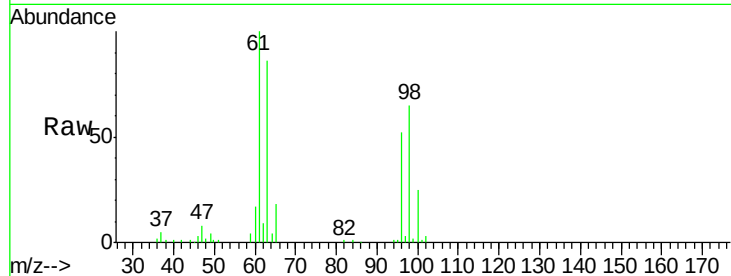




#12
 1,1-Dichloroethene
 Concen: 3.229 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU040845.D
 Acq: 20 Oct 2020 14:04

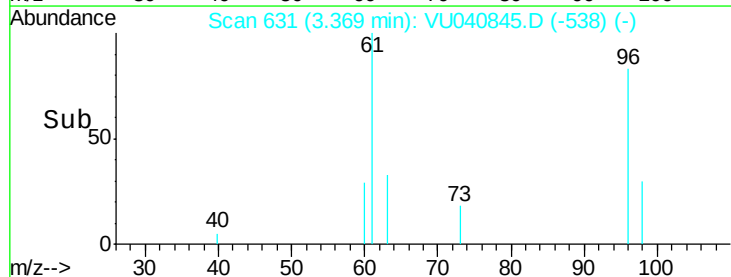
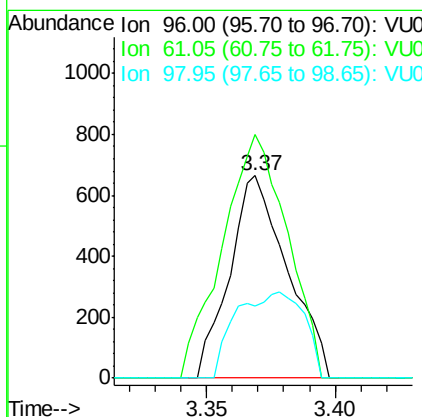
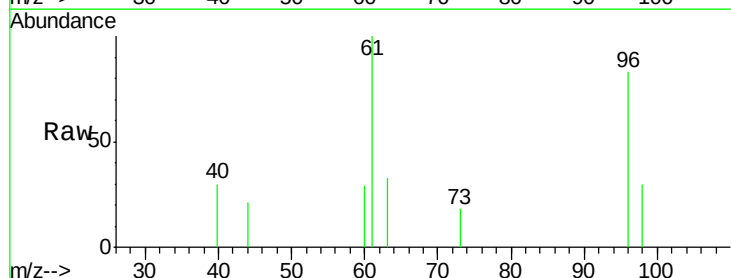
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH0

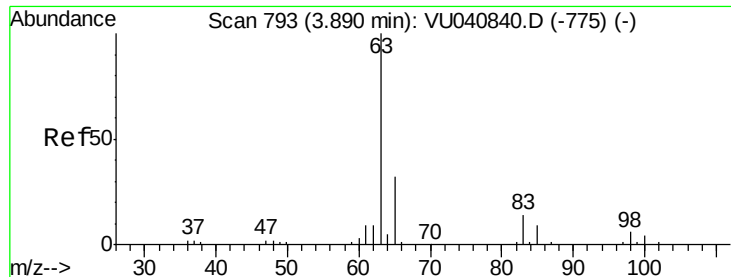
Tot Ion: 96 Resp: 26472
 Ion Ratio Lower Upper
 96 100
 61 193.2 128.8 239.2
 63 165.9 84.6 157.2#



#18
 trans-1,2-Dichloroethene
 Concen: 0.121 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VU040845.D
 Acq: 20 Oct 2020 14:04

Tgt Ion: 96 Resp: 1037
 Ion Ratio Lower Upper
 96 100
 61 120.2 105.9 196.7
 98 35.5 43.8 81.3#

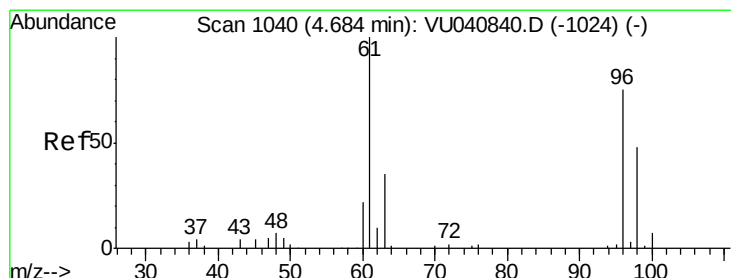
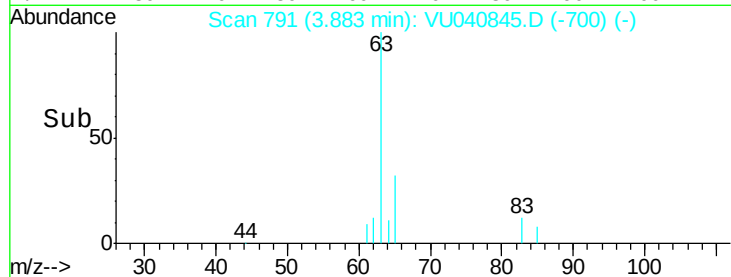
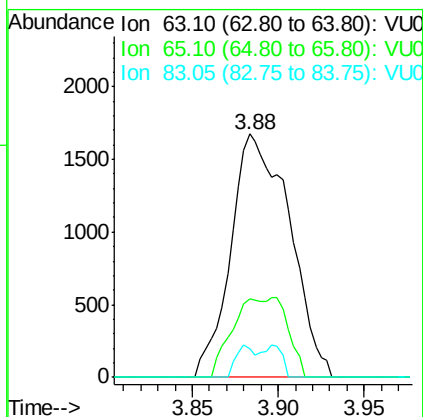
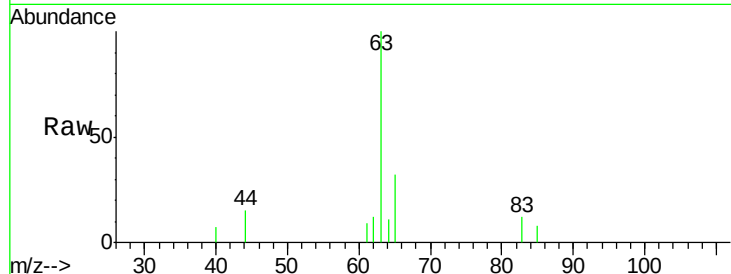




#19
 1,1-Dichloroethane
 Concen: 0.224 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: VU040845.D
 Acq: 20 Oct 2020 14:04

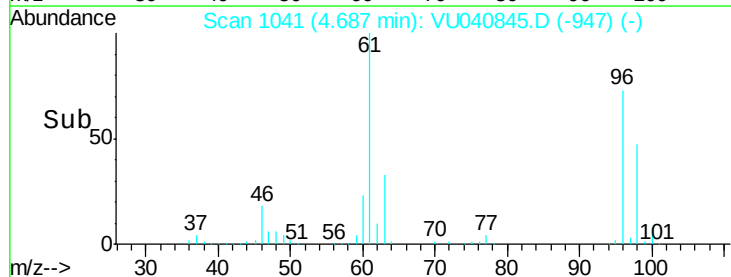
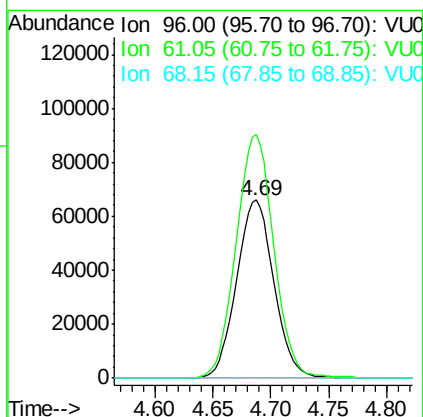
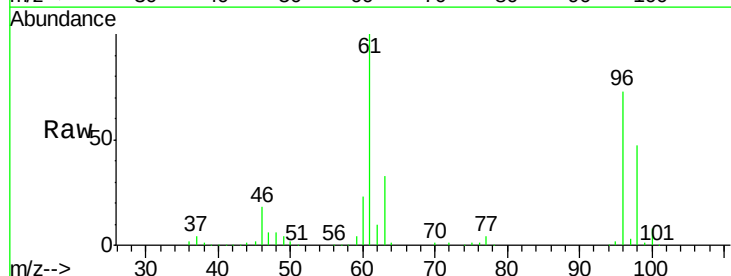
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH0

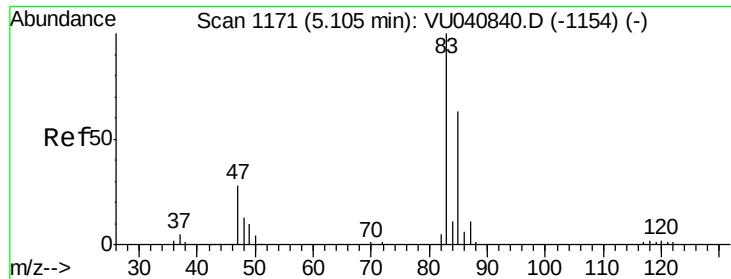
Tot Ion: 63 Resp: 3973
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.9 40.7
 83 11.9 9.6 17.8



#22
 cis-1,2-Dichloroethene
 Concen: 15.925 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040845.D
 Acq: 20 Oct 2020 14:04

Tgt Ion: 96 Resp: 147386
 Ion Ratio Lower Upper
 96 100
 61 136.9 99.8 185.4
 68 0.0 0.0 0.0

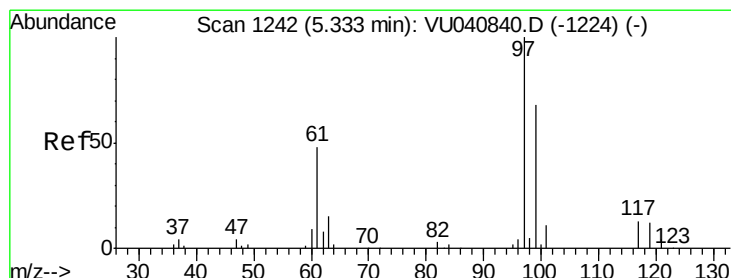
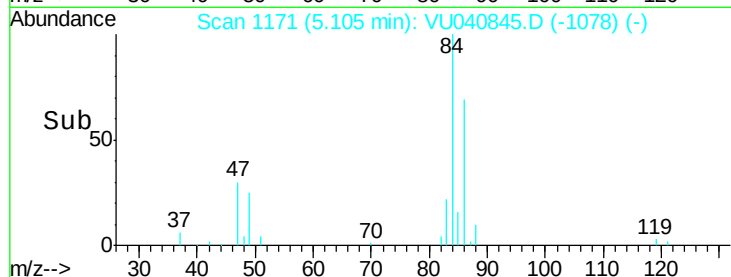
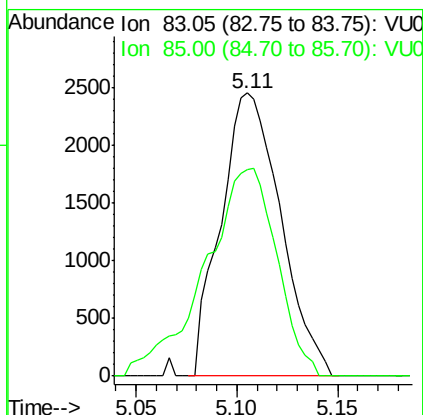
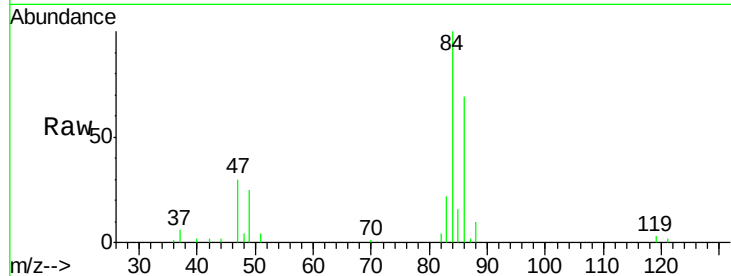




#25
Chloroform
Concen: 0.280 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040845.D
Acq: 20 Oct 2020 14:04

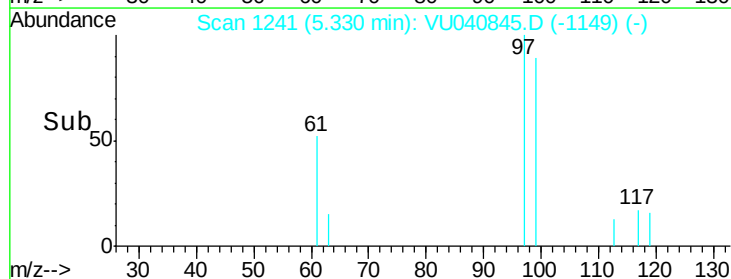
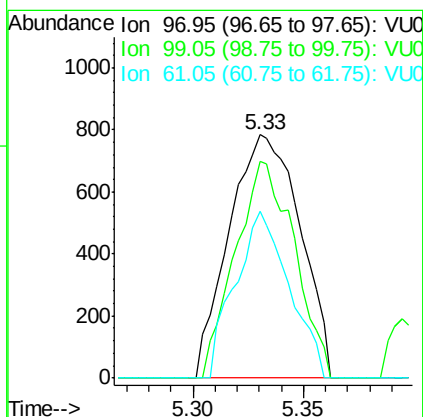
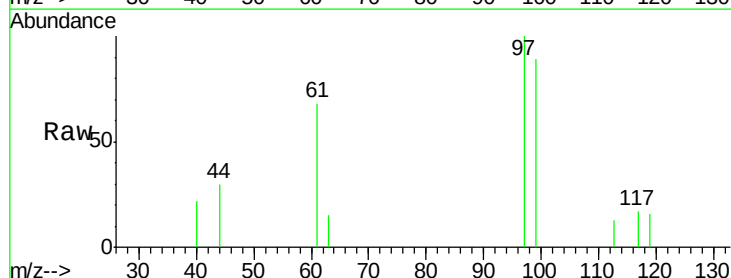
Instrument :
MSVOA_U
ClientSampled :
C0AH0

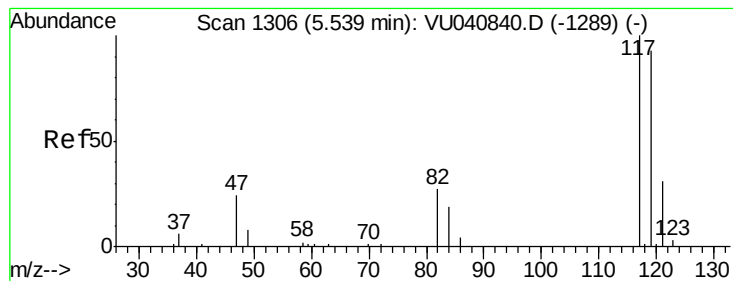
Tot Ion: 83 Resp: 5078
Ion Ratio Lower Upper
83 100
85 73.1 46.5 86.5



#29
1,1,1-Trichloroethane
Concen: 0.110 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040845.D
Acq: 20 Oct 2020 14:04

Tgt Ion: 97 Resp: 1751
Ion Ratio Lower Upper
97 100
99 74.1 51.3 76.9
61 51.9 39.4 59.2





#31

Carbon tetrachloride

Concen: 0.217 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040845.D

Acq: 20 Oct 2020 14:04

Instrument :

MSVOA_U

ClientSampleId :

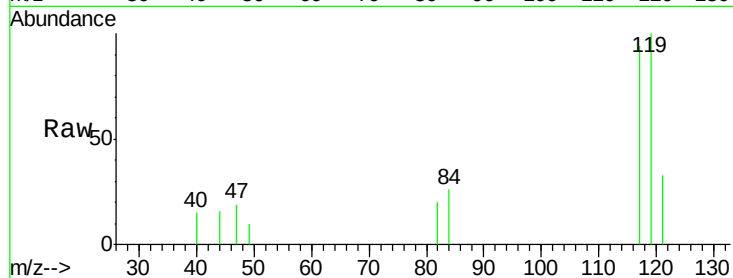
C0AH0

Tot Ion:117 Resp: 2964

Ion Ratio Lower Upper

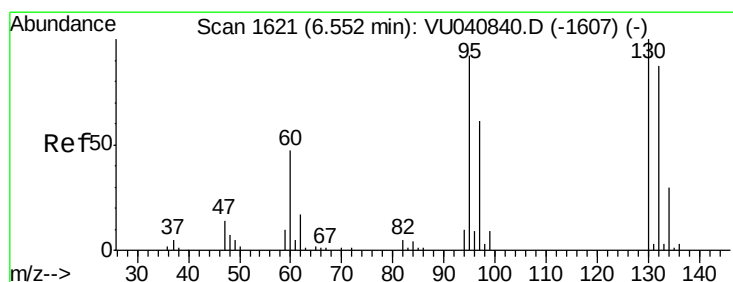
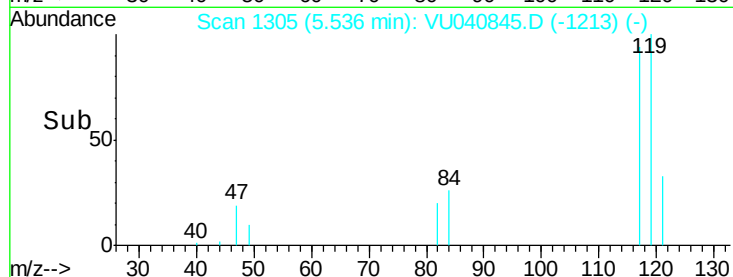
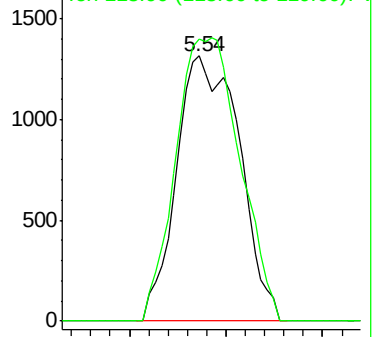
117 100

119 109.4 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 20.075 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040845.D

Acq: 20 Oct 2020 14:04

Tgt Ion: 95 Resp: 198648

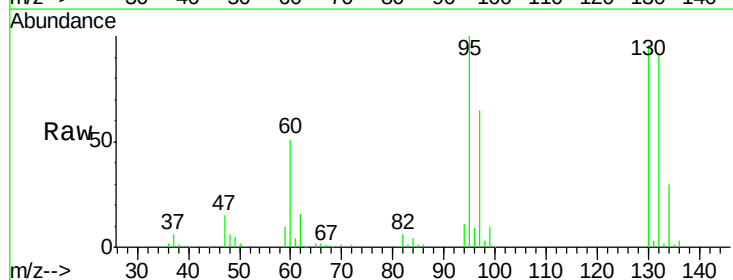
Ion Ratio Lower Upper

95 100

97 65.1 45.5 84.5

132 92.1 67.5 125.4

130 95.7 69.9 129.9

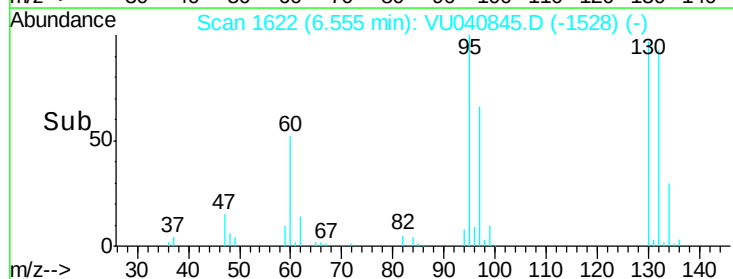
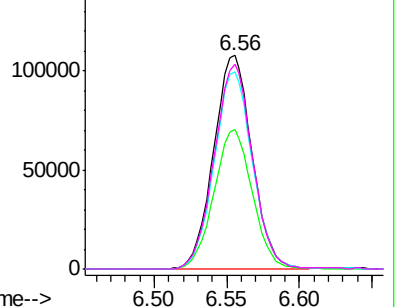


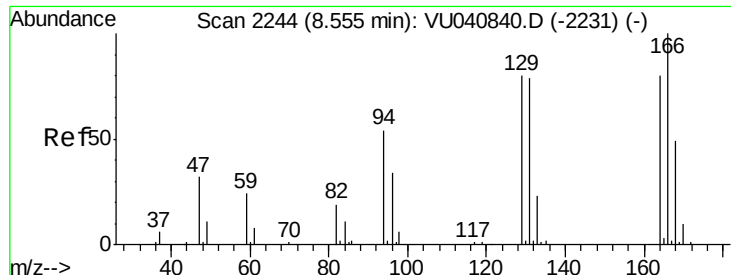
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 7.599 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040845.D

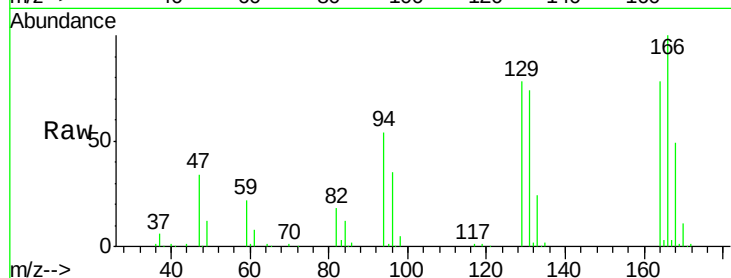
Acq: 20 Oct 2020 14:04

Instrument :

MSVOA_U

ClientSampleId :

C0AH0



Tot Ion:164 Resp: 53650

Ion Ratio Lower Upper

164 100

129 100.6 68.8 127.8

131 95.1 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

