

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122520\
 Data File : VU041810.D
 Acq On : 24 Dec 2020 16:41
 Operator : SY/MD
 Sample : L5185-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S6

Quant Time: Dec 25 04:31:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 25 03:47:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	128491	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124423	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55858	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39122	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	1.92	69	39783	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.57	63	60779	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.66	46	142799	49.49	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.98%
24) Chloroform-d	5.08	84	83924	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	47049	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.74	84	150332	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
36) 1,2-Dichloropropane-d6	6.70	67	51393	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.90	98	127898	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	8.18	79	20257	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.64	63	124550	45.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49509	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	50545	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

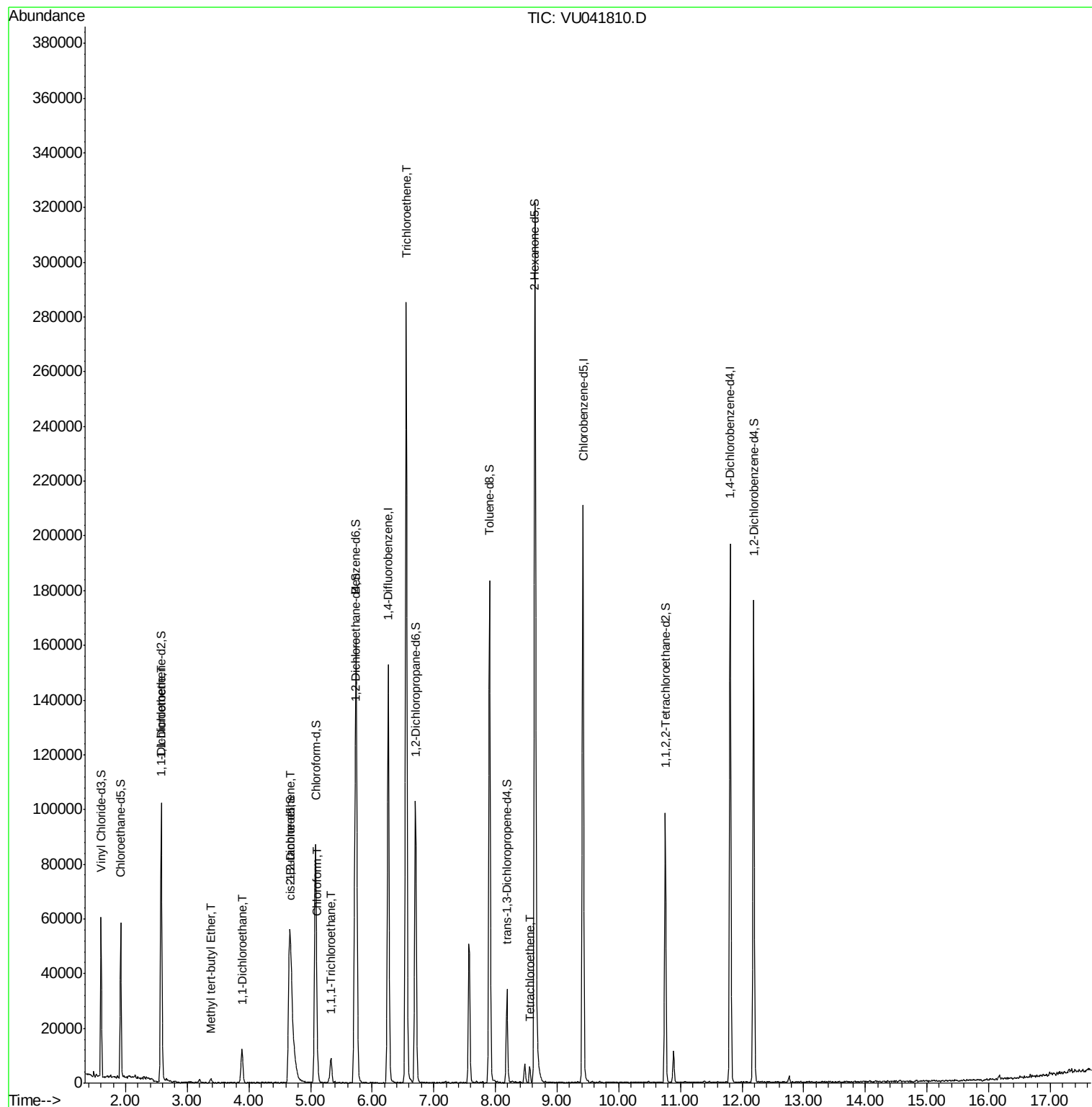
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	2781	0.319	ug/L #	1
17) Methyl tert-butyl Ether	3.39	73	2287	0.098	ug/L #	77
19) 1,1-Dichloroethane	3.89	63	14526	0.862	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	2225	0.223	ug/L	95
25) Chloroform	5.11	83	7961	0.469	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	6671	0.467	ug/L	98
34) Trichloroethene	6.55	95	98234	9.824	ug/L	95
47) Tetrachloroethene	8.56	164	1449	0.207	ug/L	91

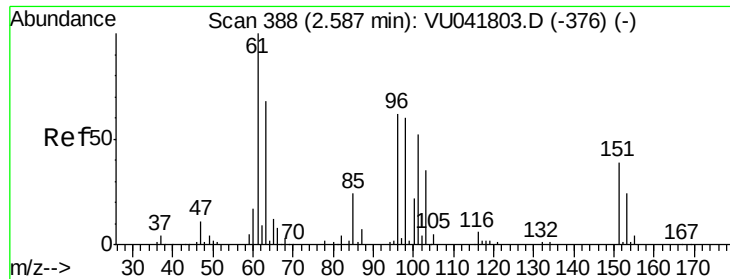
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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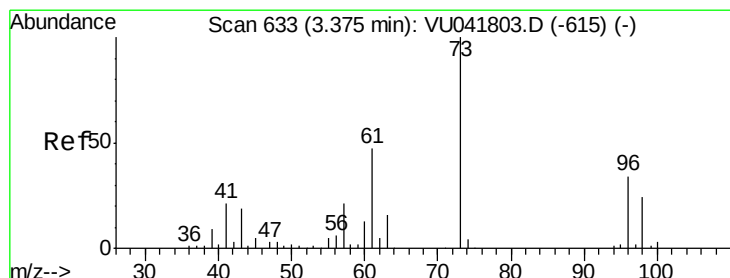
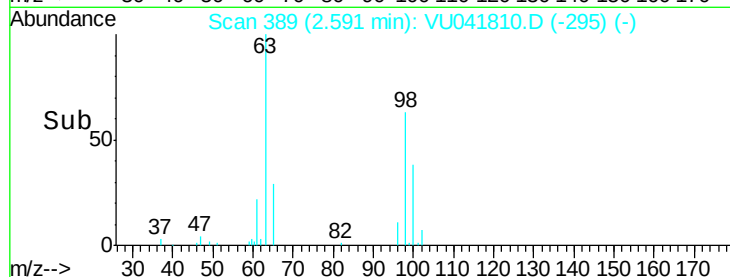
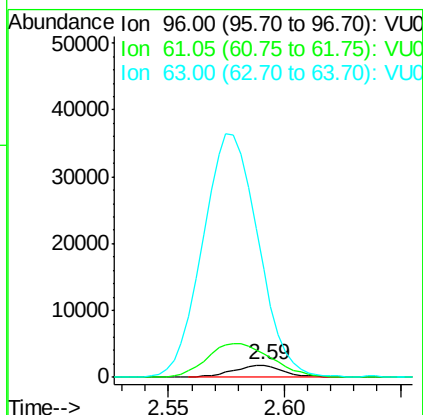
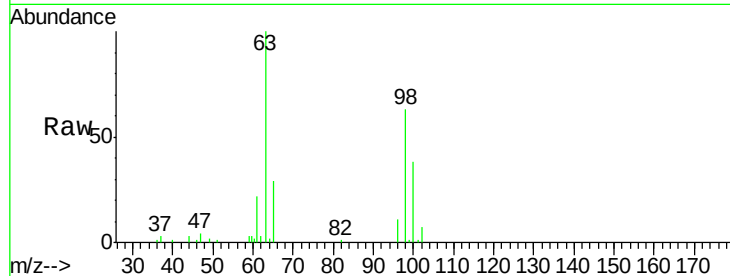




#12
 1,1-Dichloroethene
 Concen: 0.319 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VU041810.D
 Acq: 24 Dec 2020 16:41

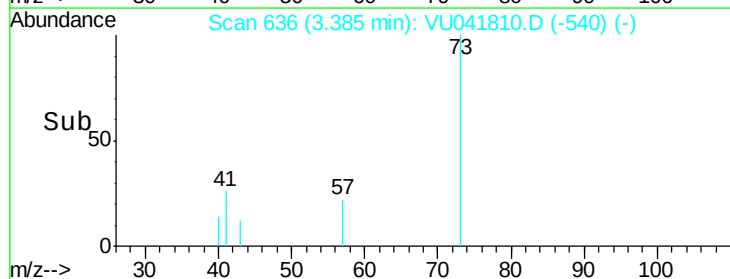
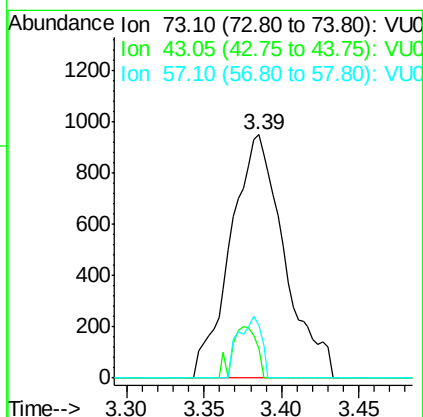
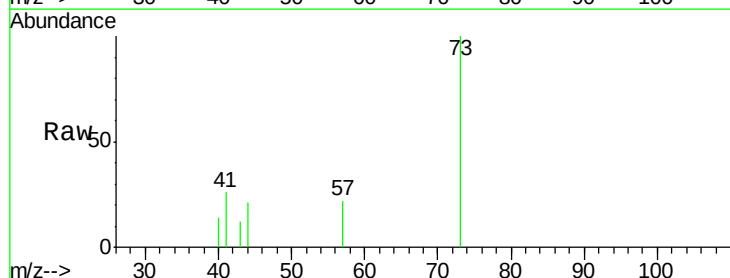
Instrument :
 MSVOA_U
 ClientSampleId :
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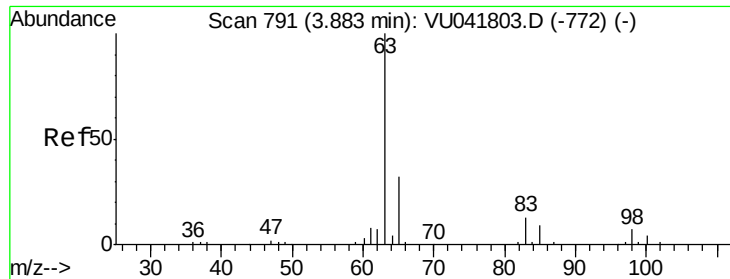
Tot Ion	Ratio	Lower	Upper
96	100		
61	197.0	123.8	230.0
63	892.0	81.0	150.4#



#17
 Methyl tert-butyl Ether
 Concen: 0.098 ug/L
 RT: 3.39 min Scan# 636
 Delta R.T. 0.01 min
 Lab File: VU041810.D
 Acq: 24 Dec 2020 16:41

Tgt Ion	Ratio	Lower	Upper
73	100		
43	9.3	14.7	22.1#
57	10.8	18.2	27.4#

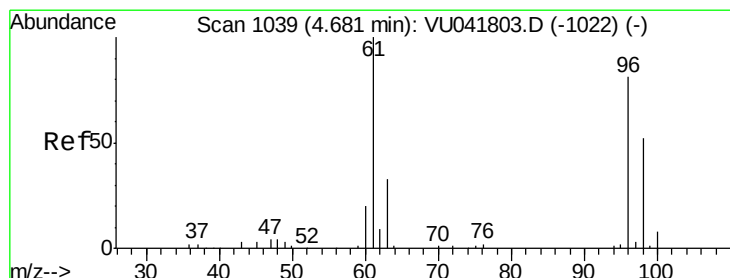
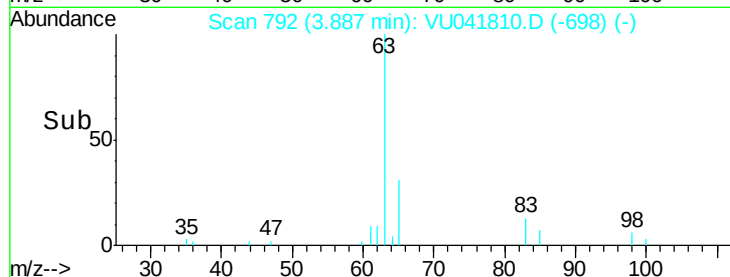
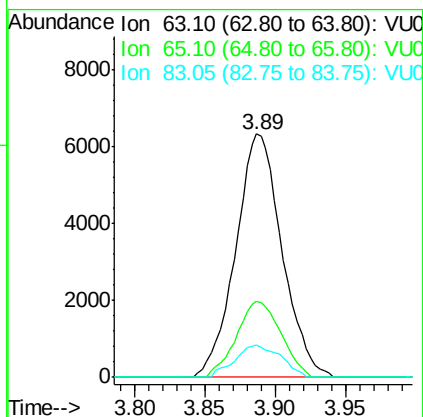
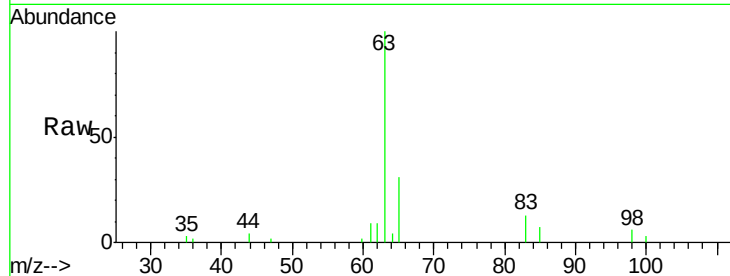




#19
 1,1-Dichloroethane
 Concen: 0.862 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041810.D
 Acq: 24 Dec 2020 16:41

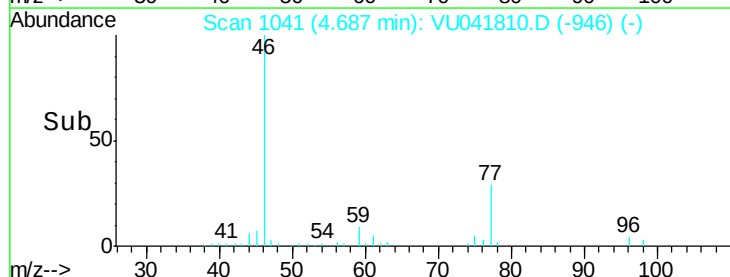
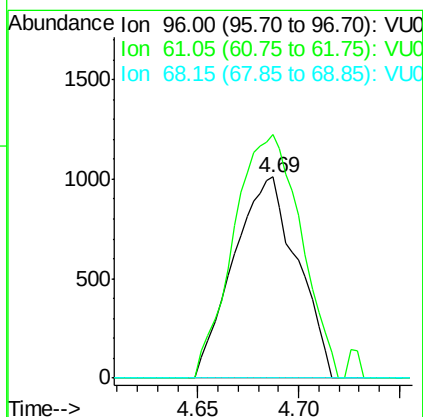
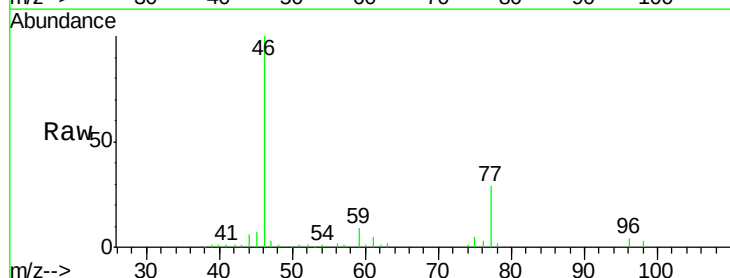
Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S6

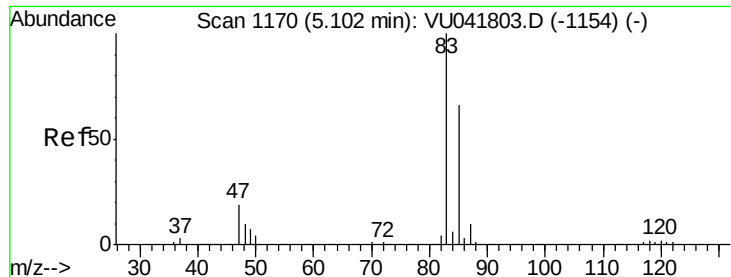
Tot Ion: 63 Resp: 14526
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.3 39.6
 83 13.1 9.3 17.3



#22
 cis-1,2-Dichloroethene
 Concen: 0.223 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: VU041810.D
 Acq: 24 Dec 2020 16:41

Tgt Ion: 96 Resp: 2225
 Ion Ratio Lower Upper
 96 100
 61 121.2 88.8 165.0
 68 0.0 0.0 0.0

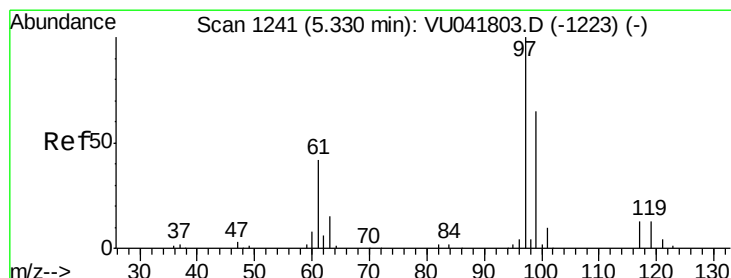
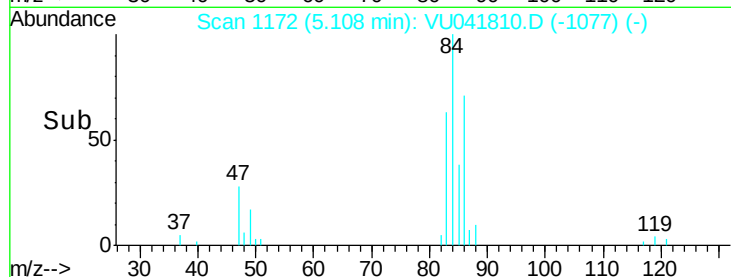
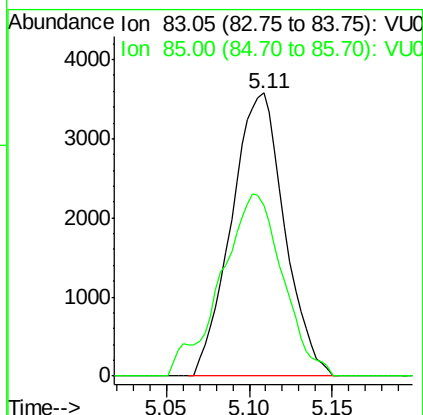
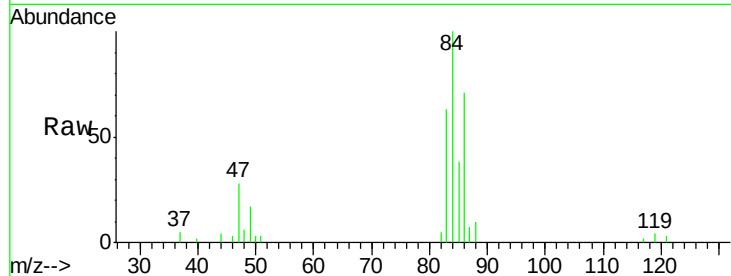




#25
Chloroform
Concen: 0.469 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU041810.D
Acq: 24 Dec 2020 16:41

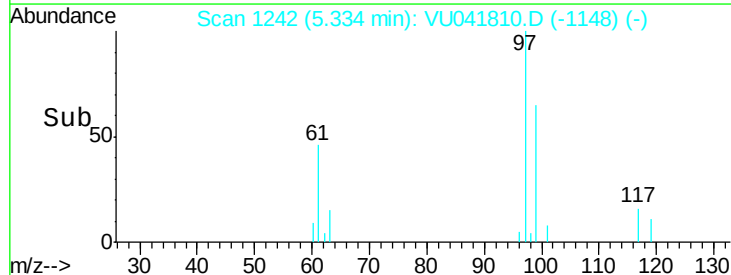
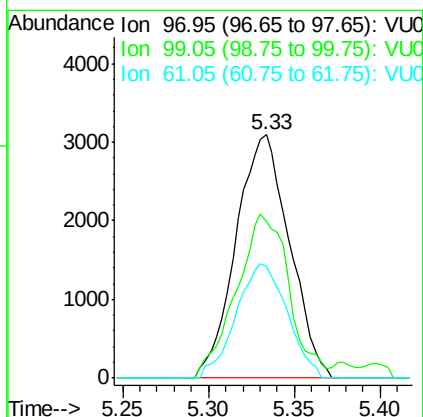
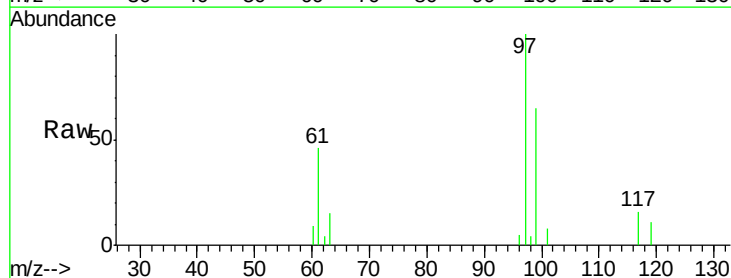
Instrument :
MSVOA_U
ClientSampleId :
BG4S6

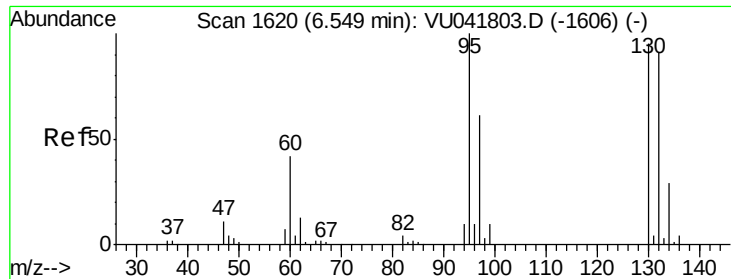
Tot Ion: 83 Resp: 7961
Ion Ratio Lower Upper
83 100
85 60.2 44.2 82.0



#29
1,1,1-Trichloroethane
Concen: 0.467 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041810.D
Acq: 24 Dec 2020 16:41

Tgt Ion: 97 Resp: 6671
Ion Ratio Lower Upper
97 100
99 66.4 51.3 76.9
61 44.7 36.5 54.7





#34

Trichloroethene

Concen: 9.824 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041810.D

Acq: 24 Dec 2020 16:41

Instrument :

MSVOA_U

ClientSampleId :

BG4S6

Tot Ion: 95 Resp: 98234

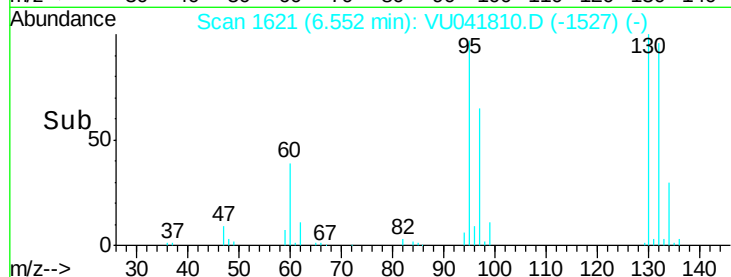
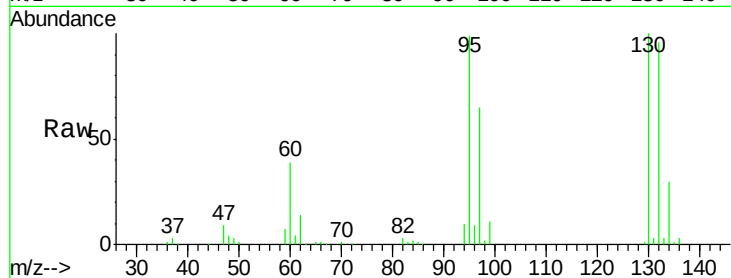
Ion Ratio Lower Upper

95 100

97 65.4 43.9 81.5

132 96.8 63.1 117.3

130 100.9 67.4 125.2



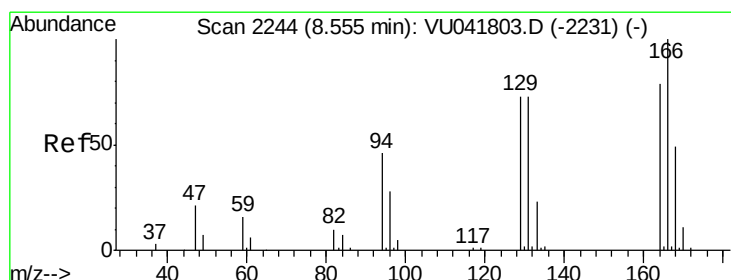
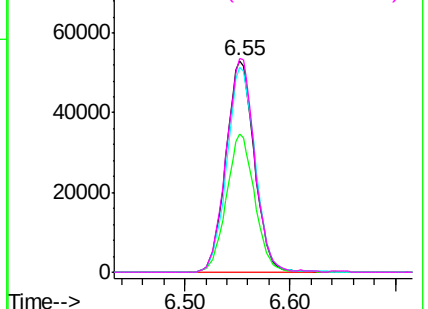
Abundance

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



#47

Tetrachloroethene

Concen: 0.207 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041810.D

Acq: 24 Dec 2020 16:41

Tgt Ion: 164 Resp: 1449

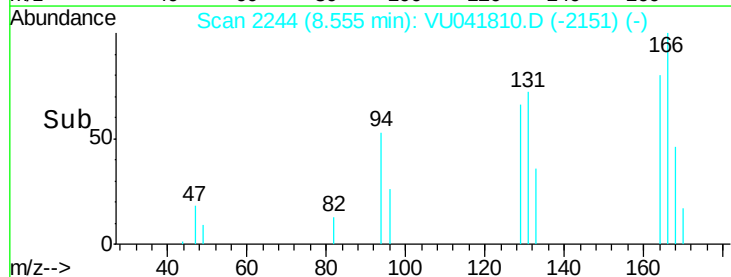
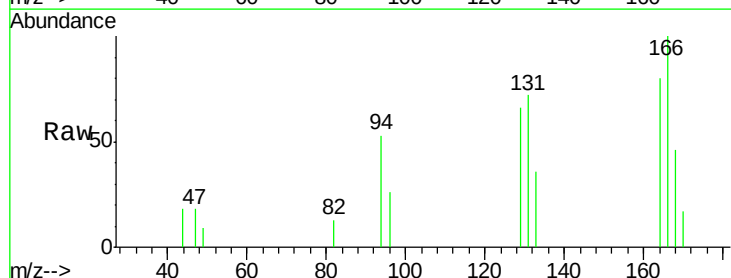
Ion Ratio Lower Upper

164 100

129 82.3 72.2 134.0

131 90.2 66.9 124.3

166 125.4 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

