

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040823.D
 Acq On : 19 Oct 2020 23:04
 Operator : SY/MD
 Sample : L4420-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ8

Quant Time: Oct 20 05:55:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 05:12:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115044	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119747	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49411	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26892	2.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.40%
7) Chloroethane-d5	1.92	69	29062	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.00%
11) 1,1-Dichloroethene-d2	2.59	63	304967	16.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	327.20%#
20) 2-Butanone-d5	4.66	46	174707	57.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.54%
24) Chloroform-d	5.08	84	79835	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.72	65	49003	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.74	84	131234	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
36) 1,2-Dichloropropane-d6	6.70	67	51016	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.91	98	99534	3.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.80%#
43) trans-1,3-Dichloropropene-	8.19	79	17998	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
46) 2-Hexanone-d5	8.64	63	121766	52.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.04%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46853	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	45515	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

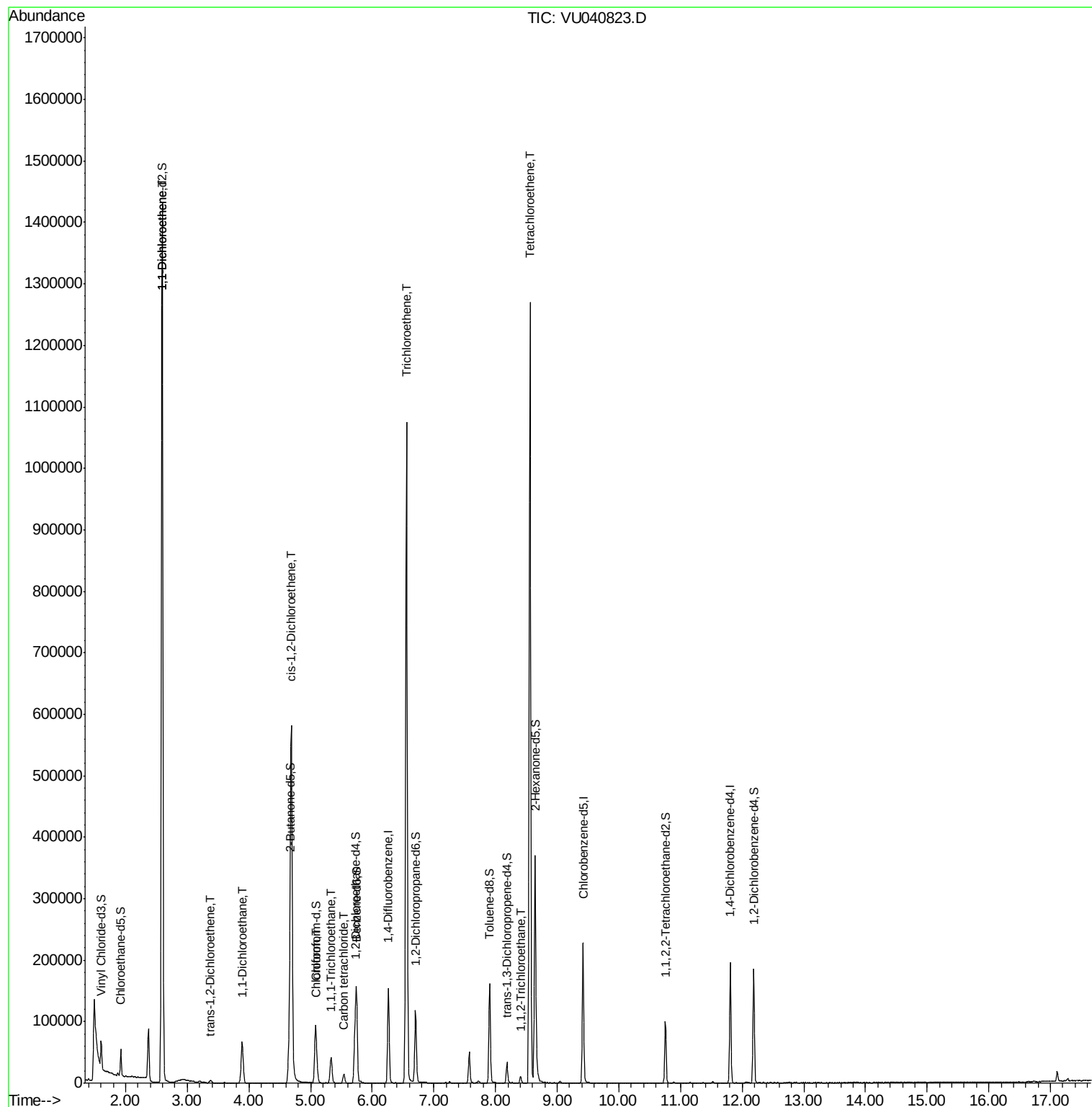
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	448208	54.602	ug/L	# 76
18) trans-1,2-Dichloroethene	3.37	96	1748	0.203	ug/L	86
19) 1,1-Dichloroethane	3.89	63	77071	4.337	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	267387	28.856	ug/L	98
25) Chloroform	5.11	83	10997	0.606	ug/L	89
29) 1,1,1-Trichloroethane	5.33	97	28761	1.787	ug/L	97
31) Carbon tetrachloride	5.54	117	9384	0.681	ug/L	98
34) Trichloroethene	6.56	95	350901	35.188	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	3039	0.379	ug/L	96
47) Tetrachloroethene	8.56	164	266068	37.397	ug/L	96

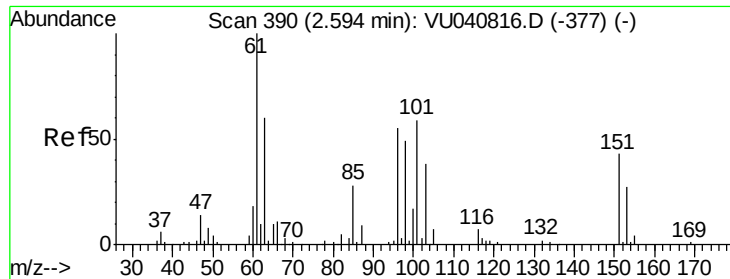
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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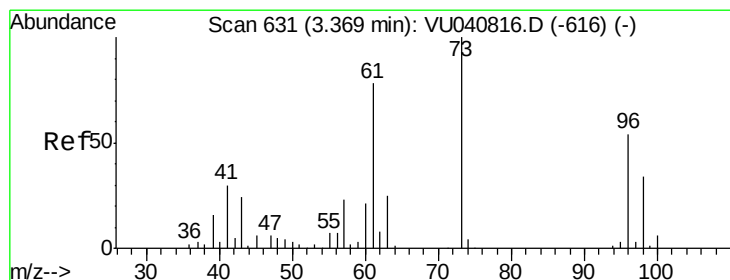
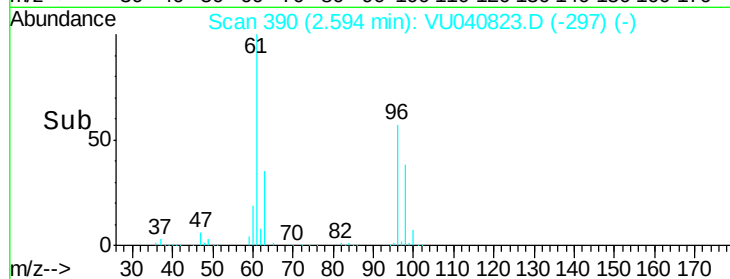
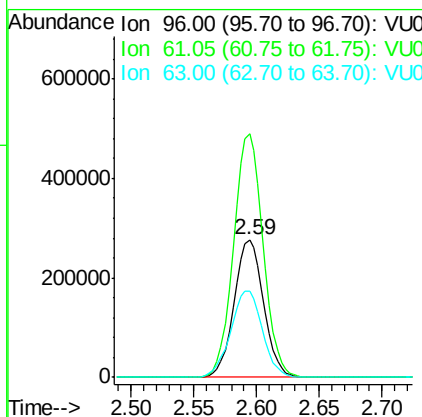
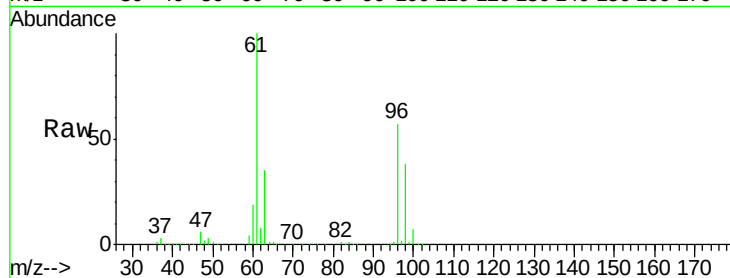




#12
 1,1-Dichloroethene
 Concen: 54.602 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU040823.D
 Acq: 19 Oct 2020 23:04

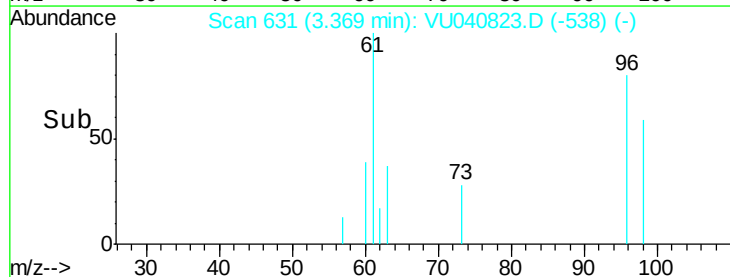
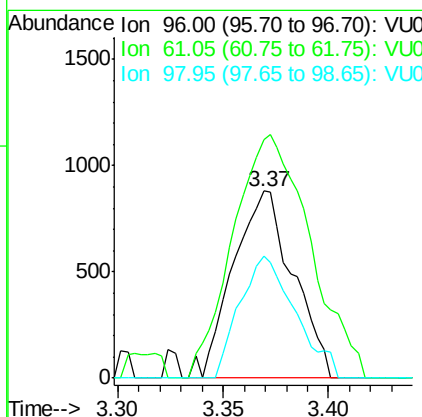
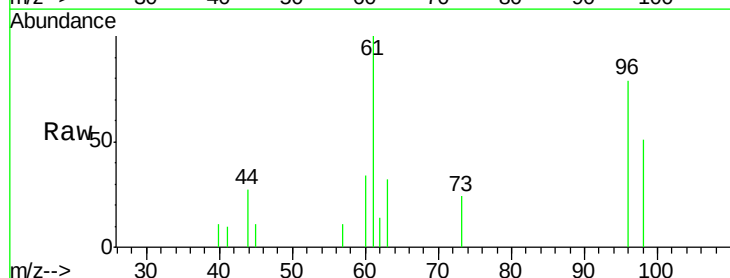
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ8

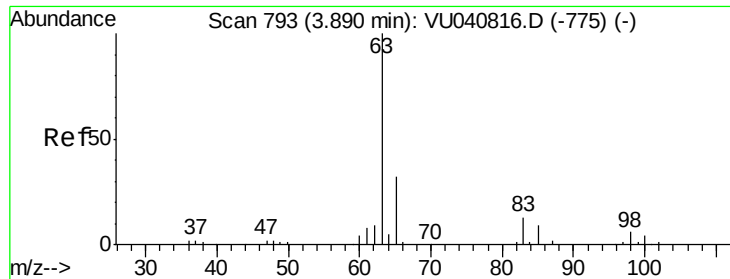
Tot Ion: 96 Resp: 448208
 Ion Ratio Lower Upper
 96 100
 61 176.6 128.8 239.2
 63 62.3 84.6 157.2#



#18
 trans-1,2-Dichloroethene
 Concen: 0.203 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU040823.D
 Acq: 19 Oct 2020 23:04

Tgt Ion: 96 Resp: 1748
 Ion Ratio Lower Upper
 96 100
 61 127.2 105.9 196.7
 98 65.0 43.8 81.3

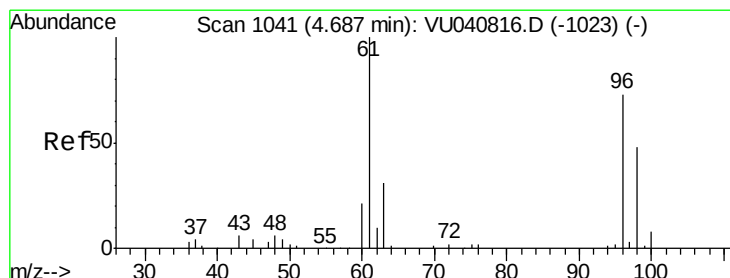
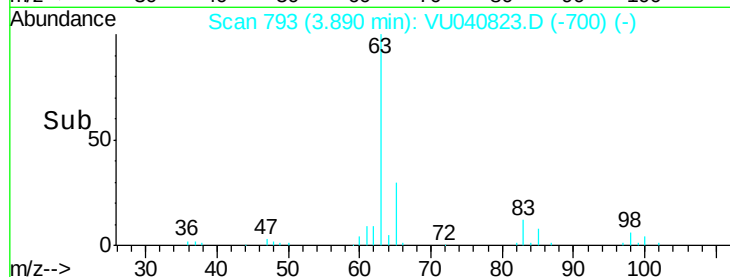
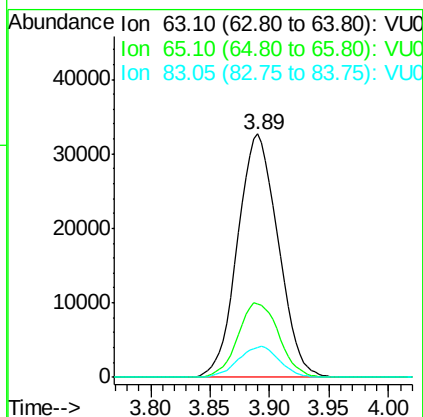
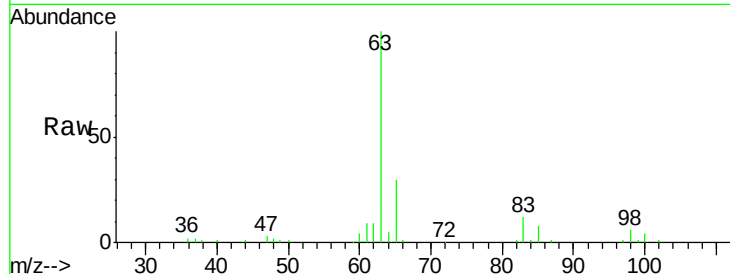




#19
 1,1-Dichloroethane
 Concen: 4.337 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040823.D
 Acq: 19 Oct 2020 23:04

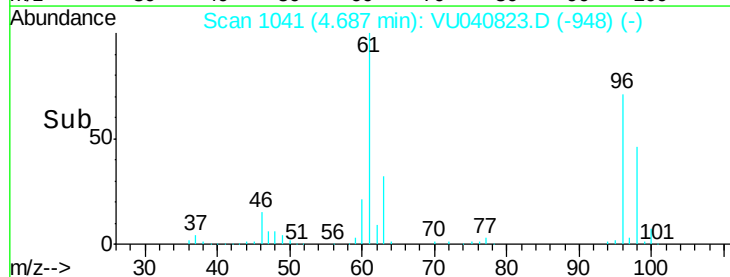
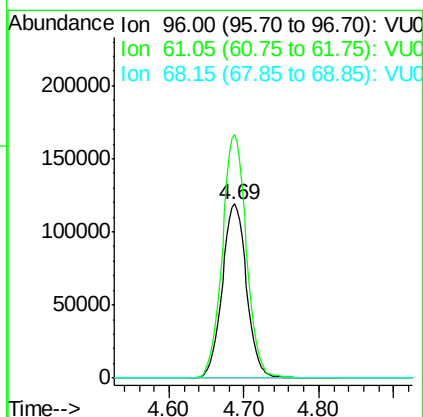
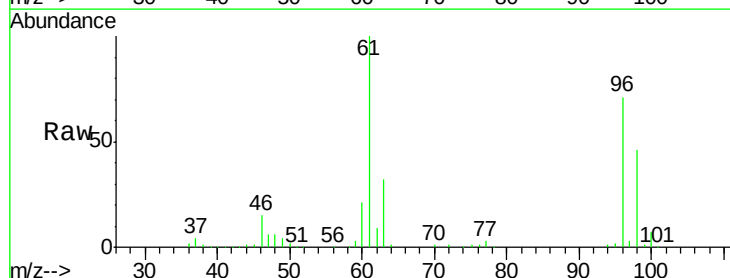
Instrument :
 MSVOA_U
 ClientSampleId :
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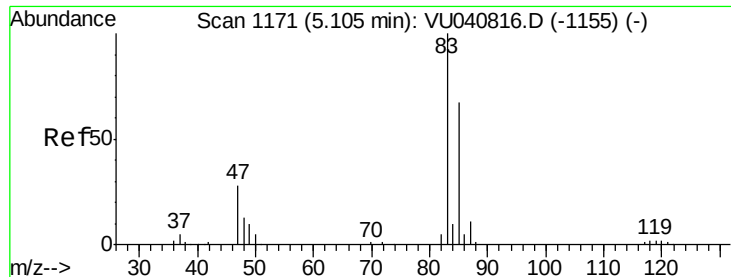
Tot Ion: 63 Resp: 77071
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.9 40.7
 83 12.3 9.6 17.8



#22
 cis-1,2-Dichloroethene
 Concen: 28.856 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040823.D
 Acq: 19 Oct 2020 23:04

Tgt Ion: 96 Resp: 267387
 Ion Ratio Lower Upper
 96 100
 61 140.0 99.8 185.4
 68 0.0 0.0 0.0

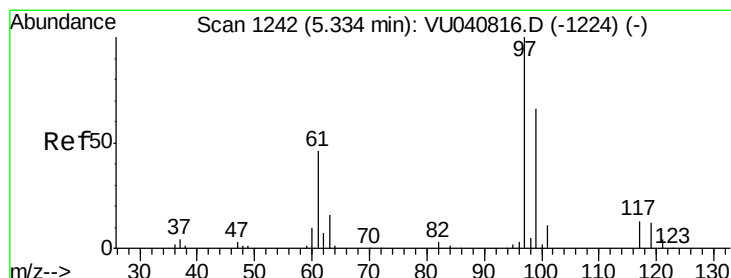
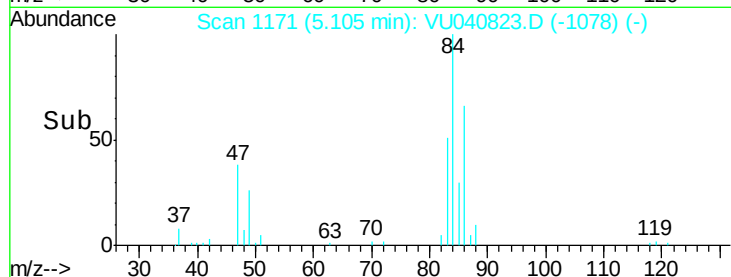
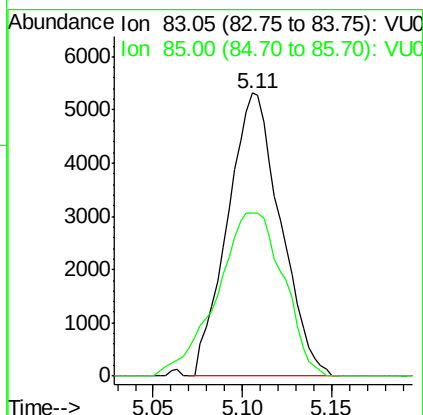
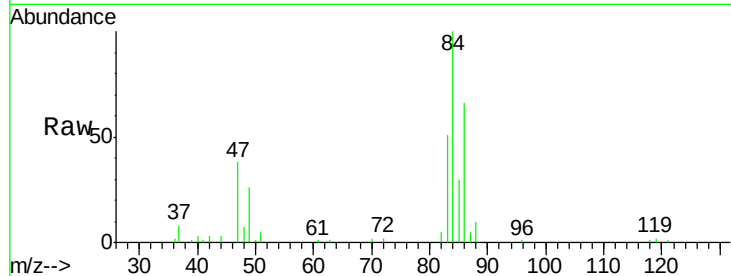




#25
Chloroform
Concen: 0.606 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040823.D
Acq: 19 Oct 2020 23:04

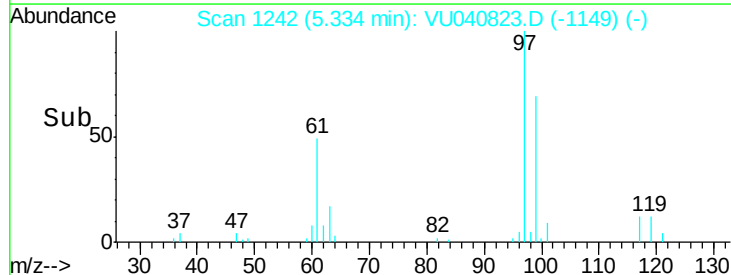
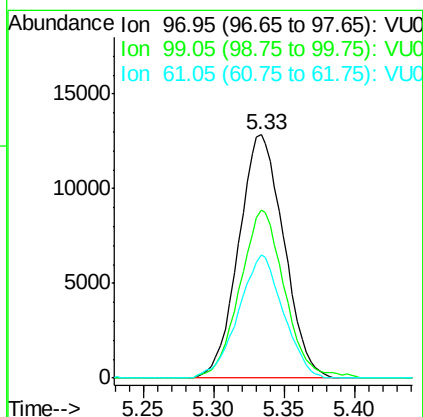
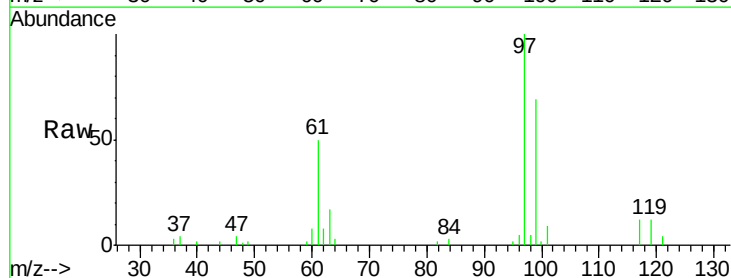
Instrument :
MSVOA_U
ClientSampled :
C0AJ8

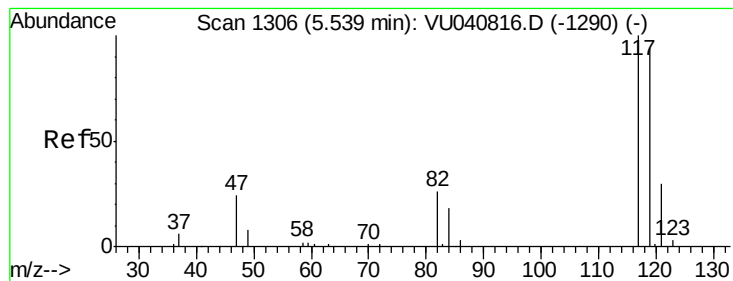
Tot Ion: 83 Resp: 10997
Ion Ratio Lower Upper
83 100
85 57.7 46.5 86.5



#29
1,1,1-Trichloroethane
Concen: 1.787 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040823.D
Acq: 19 Oct 2020 23:04

Tgt Ion: 97 Resp: 28761
Ion Ratio Lower Upper
97 100
99 68.3 51.3 76.9
61 50.0 39.4 59.2





#31

Carbon tetrachloride

Concen: 0.681 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040823.D

Acq: 19 Oct 2020 23:04

Instrument :

MSVOA_U

ClientSampleId :

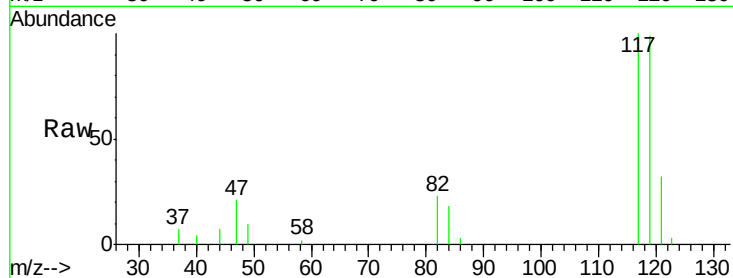
C0AJ8

Tot Ion:117 Resp: 9384

Ion Ratio Lower Upper

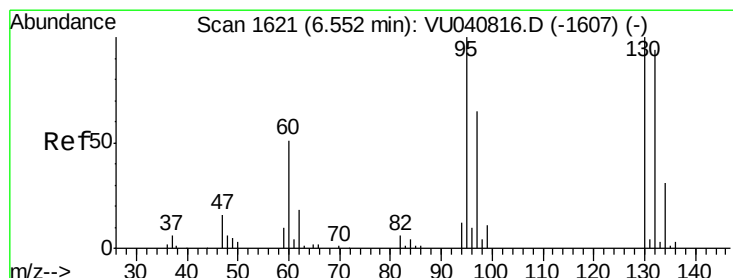
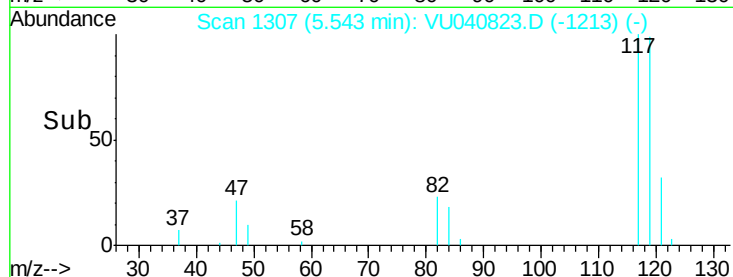
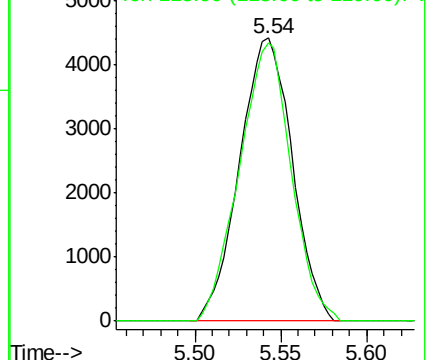
117 100

119 96.9 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: 35.188 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040823.D

Acq: 19 Oct 2020 23:04

Tgt Ion: 95 Resp: 350901

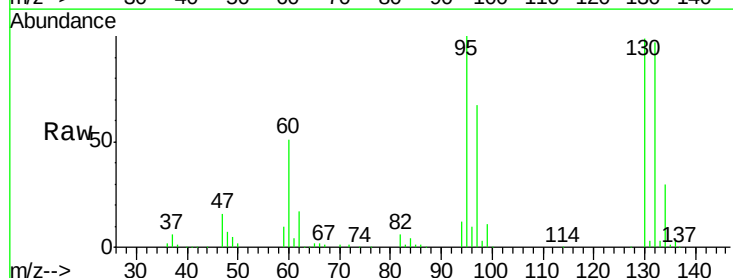
Ion Ratio Lower Upper

95 100

97 66.6 45.5 84.5

132 96.8 67.5 125.4

130 99.1 69.9 129.9

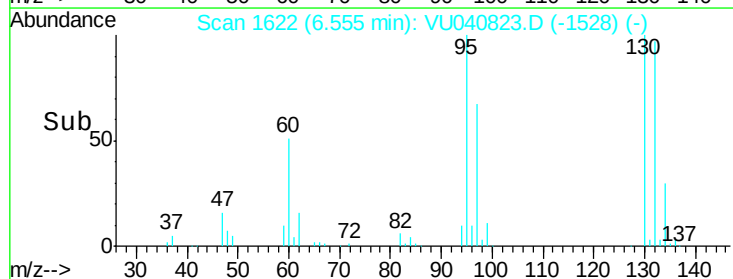
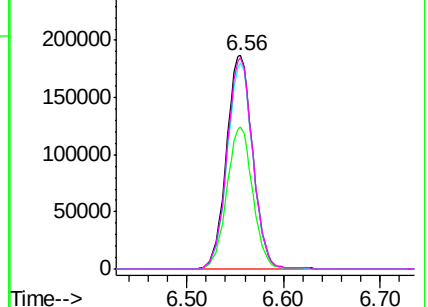


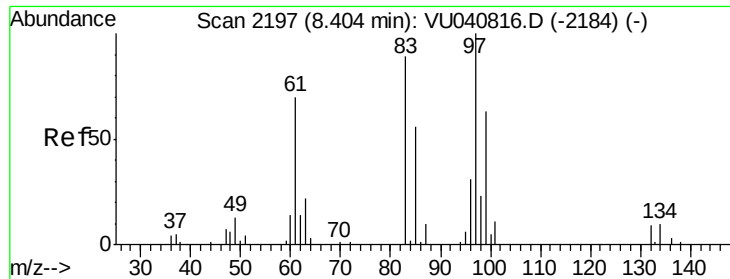
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

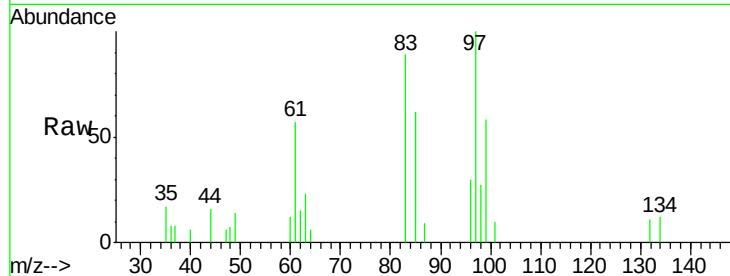




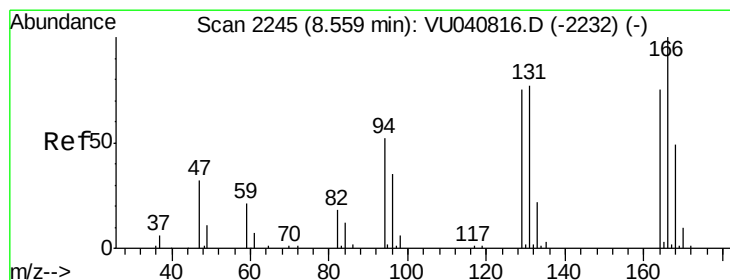
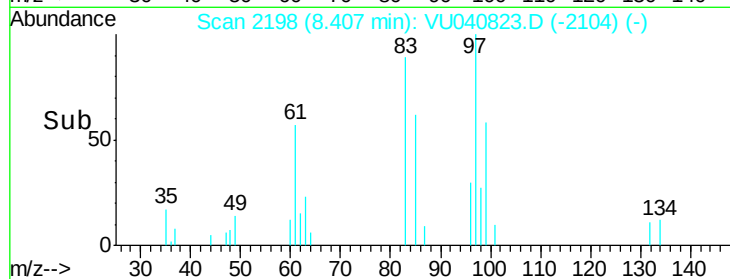
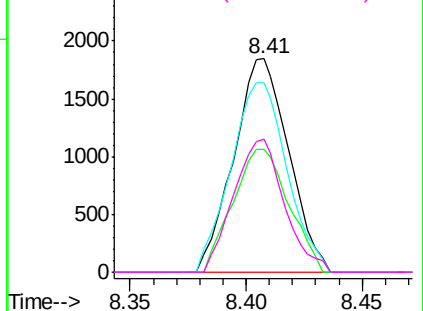
#45
1,1,2-Trichloroethane
Concen: 0.379 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040823.D
Acq: 19 Oct 2020 23:04

Instrument :
MSVOA_U
ClientSampled :
C0AJ8

Tot Ion:	97	Resp:	3039
Ion	Ratio	Lower	Upper
97	100		
99	57.7	44.0	81.6
83	89.0	62.9	116.9
85	62.4	40.3	74.8

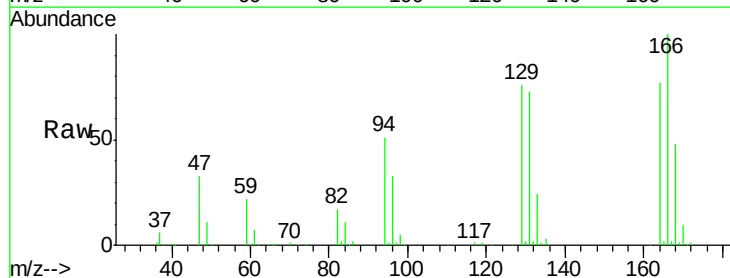


Abundance Ion 96.95 (96.65 to 97.65): VU040823.D (-2197) (-)
Ion 99.05 (98.75 to 99.75): VU040823.D (-2197) (-)
Ion 82.95 (82.65 to 83.65): VU040823.D (-2197) (-)
Ion 85.00 (84.70 to 85.70): VU040823.D (-2197) (-)



#47
Tetrachloroethene
Concen: 37.397 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040823.D
Acq: 19 Oct 2020 23:04

Tgt Ion:	164	Resp:	266068
Ion	Ratio	Lower	Upper
164	100		
129	98.1	68.8	127.8
131	94.4	66.7	123.9
166	129.6	83.9	155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040823.D (-2245) (-)
Ion 128.95 (128.65 to 129.65): VU040823.D (-2245) (-)
Ion 130.95 (130.65 to 131.65): VU040823.D (-2245) (-)
Ion 165.90 (165.60 to 166.60): VU040823.D (-2245) (-)

