

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022420\
 Data File : VU036888.D
 Acq On : 24 Feb 2020 17:14
 Operator : JC/MD
 Sample : L1608-07 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 25 03:21:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 25 03:18:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	275192	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	254888	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	97505	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	106326	46.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.02%
7) Chloroethane-d5	1.93	69	93479	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.78%
11) 1,1-Dichloroethene-d2	2.59	63	135888	35.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.22%
21) 2-Butanone-d5	4.67	46	160957	103.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.83%
24) Chloroform-d	5.11	84	169148	47.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.86%
26) 1,2-Dichloroethane-d4	5.74	65	118153	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
32) Benzene-d6	5.76	84	371255	50.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.74%
36) 1,2-Dichloropropane-d6	6.73	67	121725	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.94%
41) Toluene-d8	7.93	98	337222	49.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.62%
43) trans-1,3-Dichloropropene-	8.20	79	54004	48.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.32%
47) 2-Hexanone-d5	8.66	63	122148	104.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.61%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	166214	49.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.74%
64) 1,2-Dichlorobenzene-d4	12.21	152	99014	51.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.90%

Target Compounds

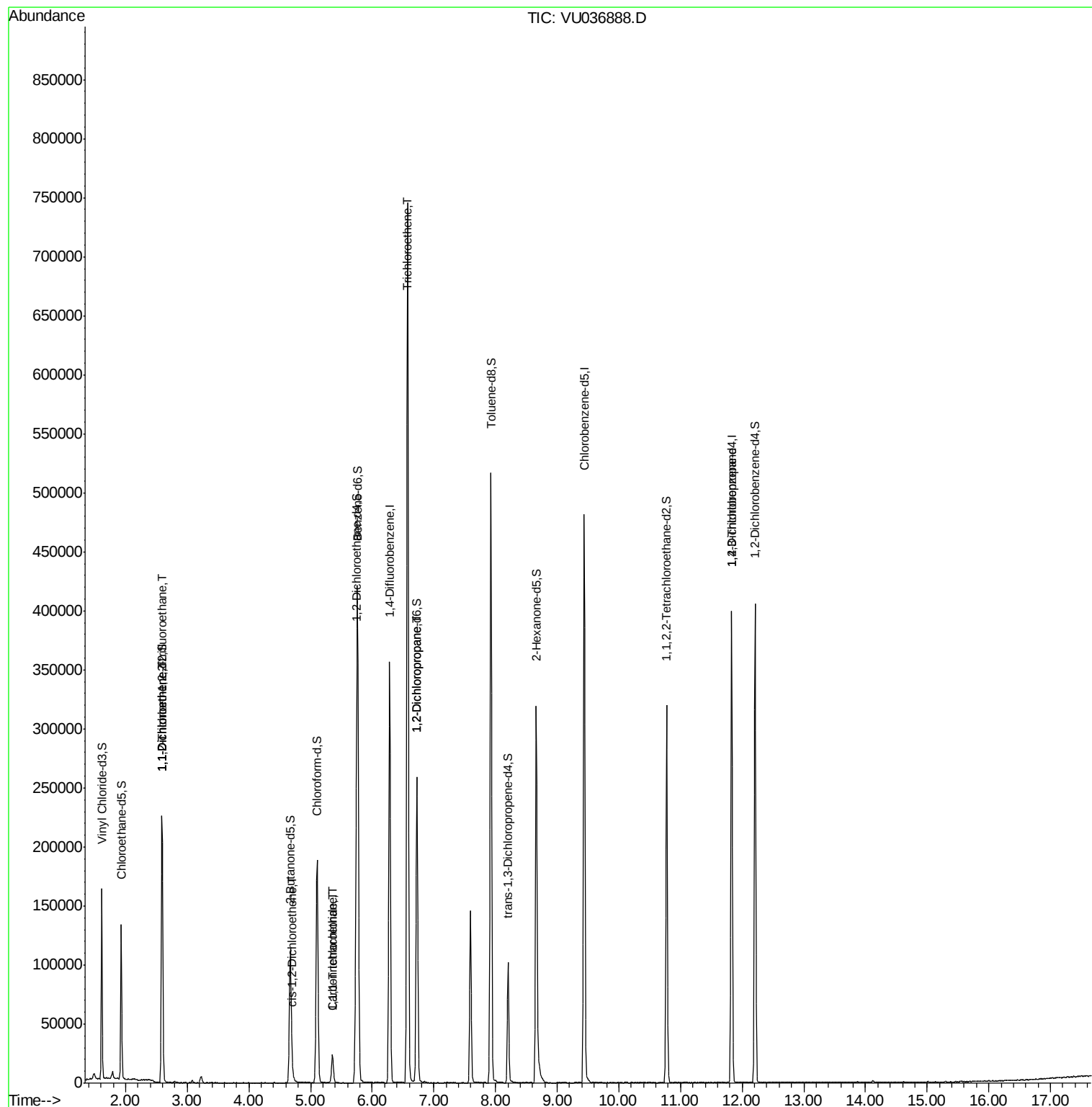
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2116	1.204 ug/L #	54
12) 1,1-Dichloroethene	2.59	96	1796	1.010 ug/L #	1
20) cis-1,2-Dichloroethene	4.71	96	2213	1.037 ug/L	95
30) 1,1,1-Trichloroethane	5.36	97	16231	5.939 ug/L	95
31) Carbon tetrachloride	5.36	117	2090	0.976 ug/L	97
34) Trichloroethene	6.57	95	251863	127.260 ug/L	98
37) 1,2-Dichloropropane	6.72	63	13141	6.061 ug/L #	88
59) 1,2,3-Trichloropropane	11.83	75	14314	5.132 ug/L	91

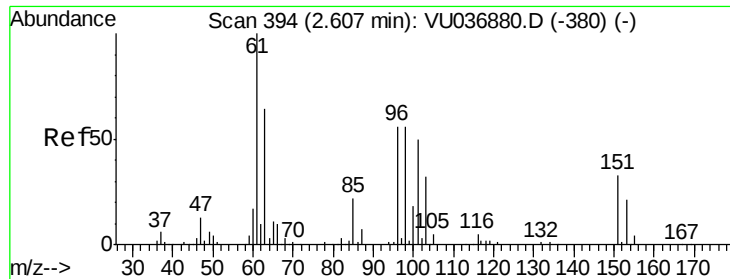
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.204 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU036888.D

Acq: 24 Feb 2020 17:14

Instrument :

MSVOA_U

ClientSampleId :

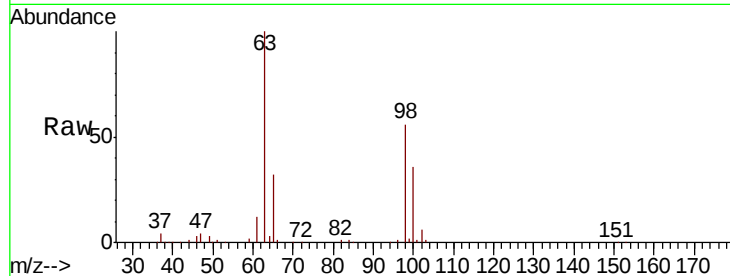
Tot Ion:101 Resp: 2116

Ion Ratio Lower Upper

101 100

85 13.7 36.4 54.6#

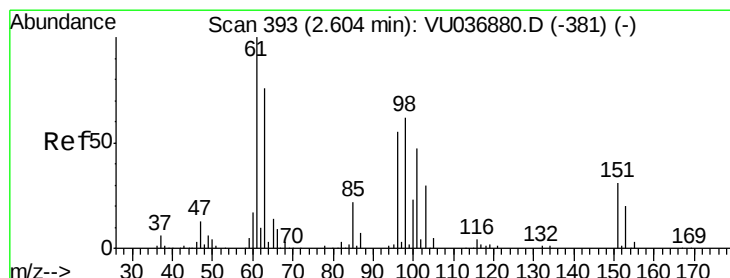
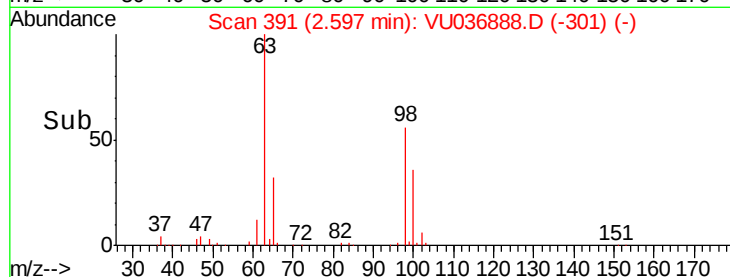
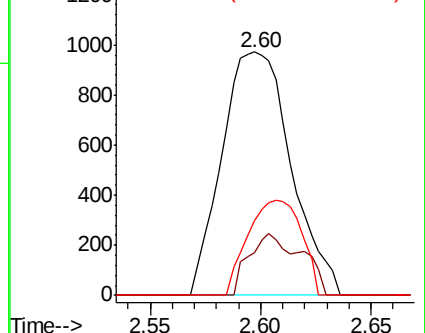
151 30.2 52.4 78.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.010 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU036888.D

Acq: 24 Feb 2020 17:14

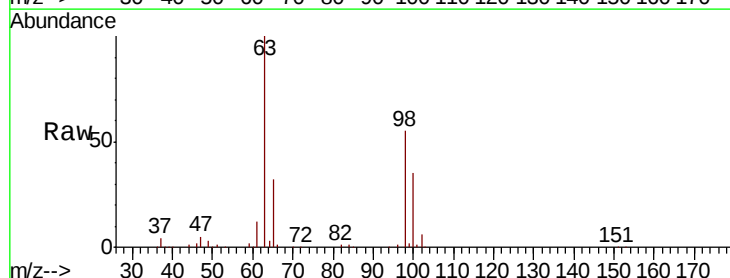
Tgt Ion: 96 Resp: 1796

Ion Ratio Lower Upper

96 100

61 1082.1 127.5 236.7#

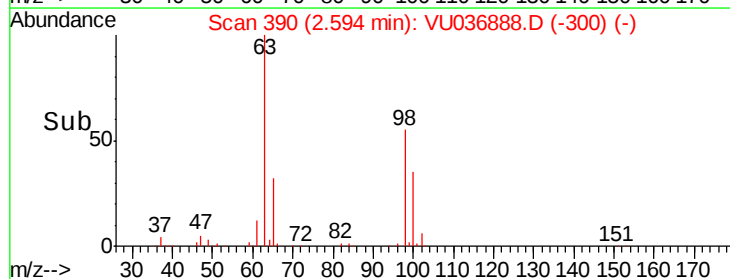
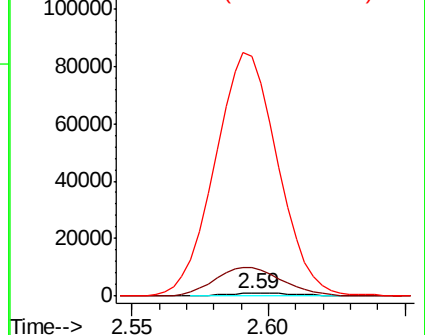
63 9208.8 101.4 188.2#

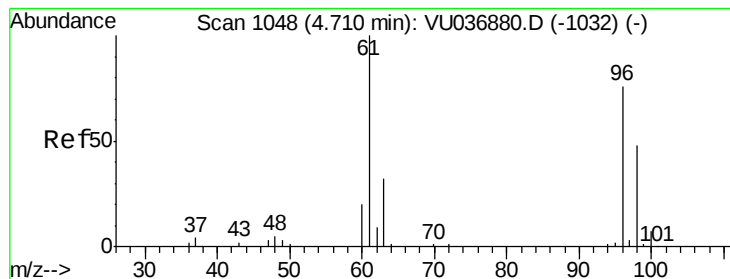


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 1.037 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036888.D

Acq: 24 Feb 2020 17:14

Instrument :
MSVOA_U
ClientSampleId :

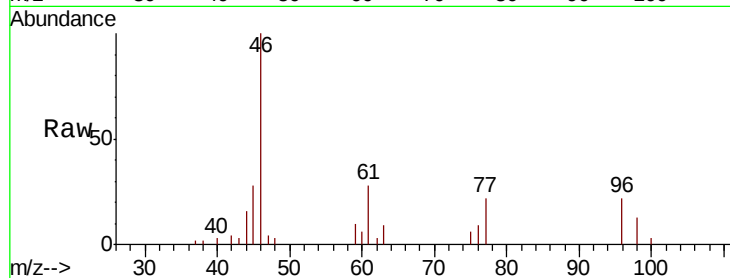
Tot Ion: 96 Resp: 2213

Ion Ratio Lower Upper

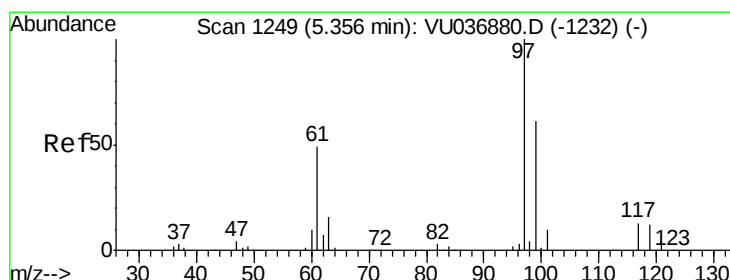
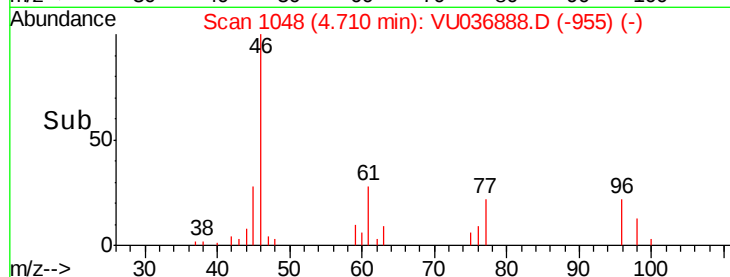
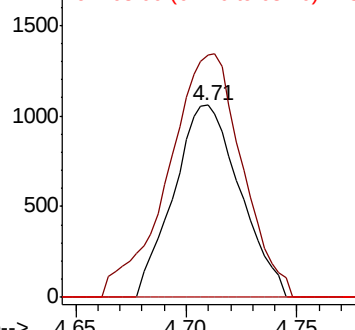
96 100

61 126.6 93.1 172.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



#30

1,1,1-Trichloroethane

Concen: 5.939 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU036888.D

Acq: 24 Feb 2020 17:14

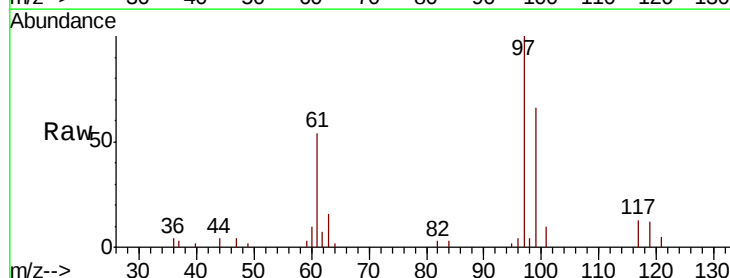
Tgt Ion: 97 Resp: 16231

Ion Ratio Lower Upper

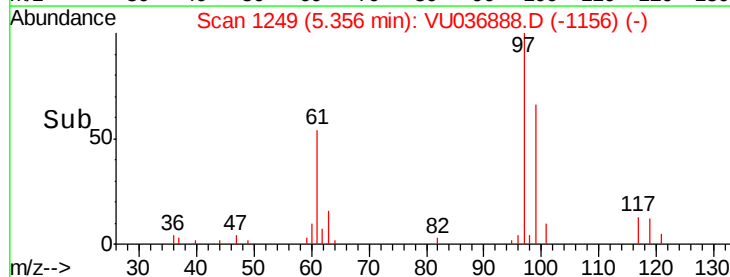
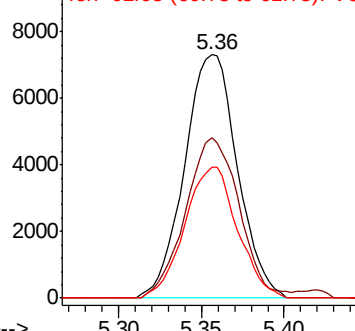
97 100

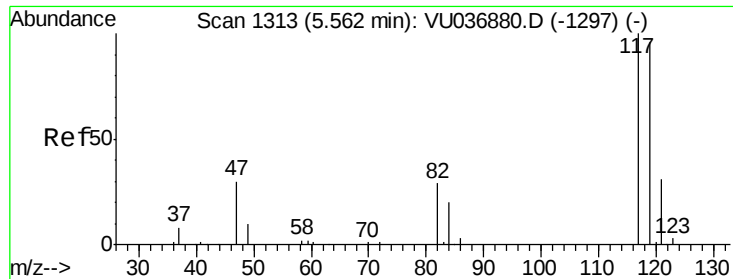
99 67.0 50.4 75.6

61 53.8 40.3 60.5



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

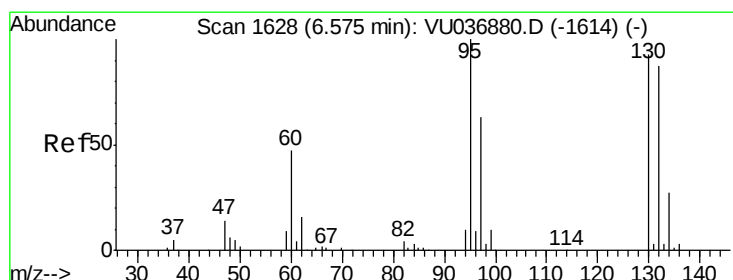
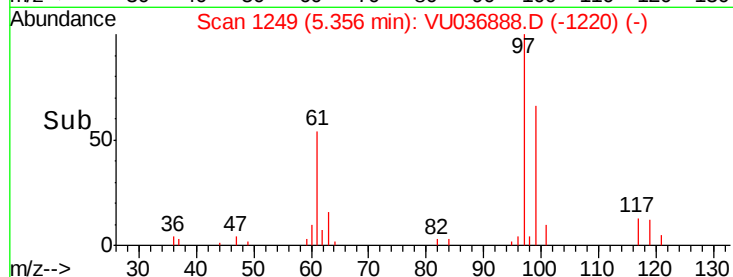
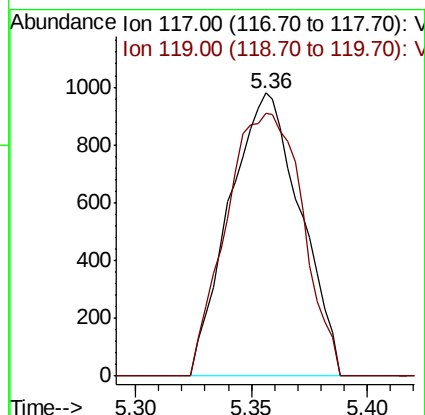
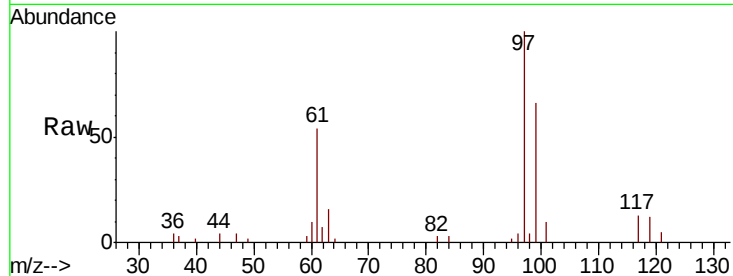




#31
Carbon tetrachloride
Concen: 0.976 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.21 min
Lab File: VU036888.D
Acq: 24 Feb 2020 17:14

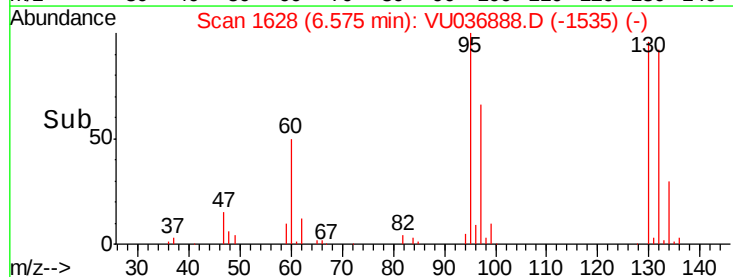
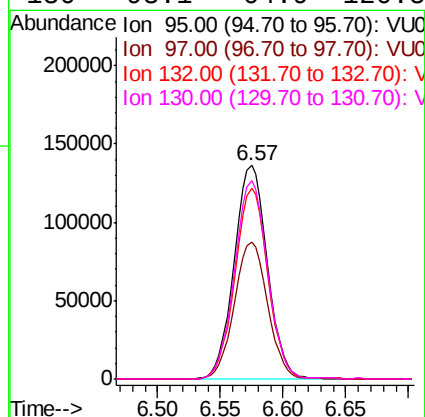
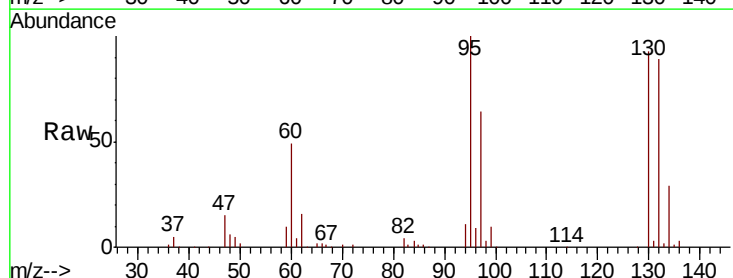
Instrument :
MSVOA_U
ClientSampled :

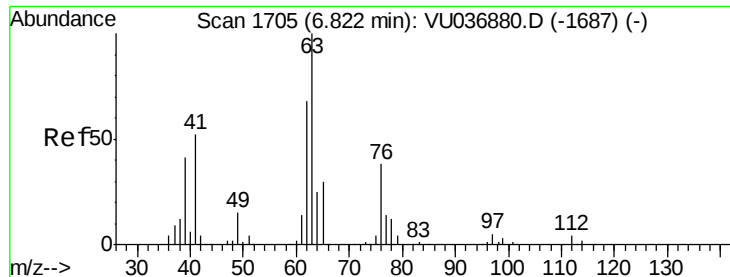
Tot Ion:117 Resp: 2090
Ion Ratio Lower Upper
117 100
119 99.3 77.2 115.8



#34
Trichloroethene
Concen: 127.260 ug/L
RT: 6.57 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VU036888.D
Acq: 24 Feb 2020 17:14

Tgt Ion: 95 Resp: 251863
Ion Ratio Lower Upper
95 100
97 64.3 44.1 81.9
132 89.4 60.6 112.6
130 93.1 64.9 120.5

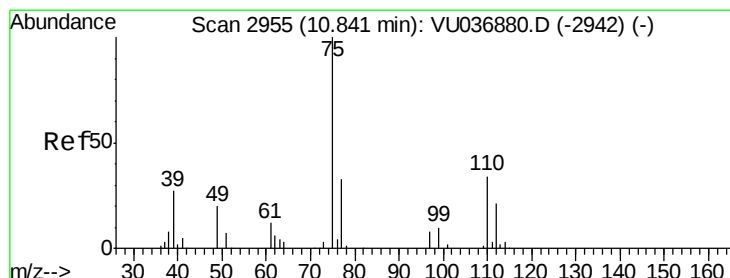
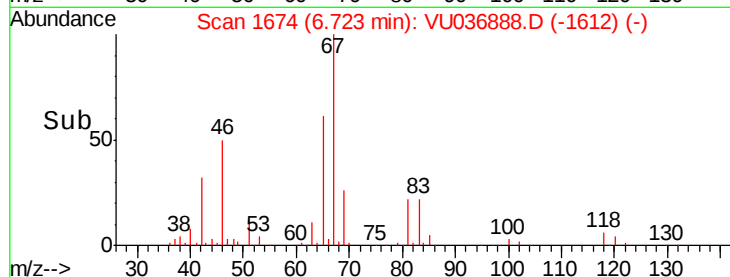
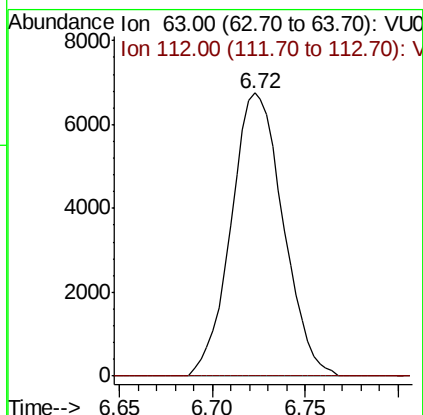
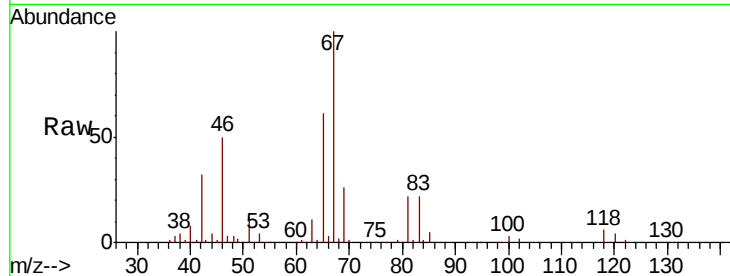




#37
 1,2-Dichloropropane
 Concen: 6.061 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU036888.D
 Acq: 24 Feb 2020 17:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 13141
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#59
 1,2,3-Trichloropropane
 Concen: 5.132 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.99 min
 Lab File: VU036888.D
 Acq: 24 Feb 2020 17:14

Tgt Ion: 75 Resp: 14314
 Ion Ratio Lower Upper
 75 100
 77 37.6 26.2 39.2

