

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U051420\
 Data File : VU038173.D
 Acq On : 14 May 2020 16:42
 Operator : JC/MD
 Sample : L2631-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF8N5

Quant Time: May 15 02:54:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 01:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	335694	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	323810	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149827	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	103627	3.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.60%
7) Chloroethane-d5	1.93	69	105105	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.20%
11) 1,1-Dichloroethene-d2	2.59	63	145102	2.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.60%#
20) 2-Butanone-d5	4.66	46	432283	57.06	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.12%
24) Chloroform-d	5.10	84	210968	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.74	65	130177	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.76	84	435559	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.72	67	146248	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.92	98	377051	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.20	79	52675	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.65	63	371711	62.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.50%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	126836	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	144518	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

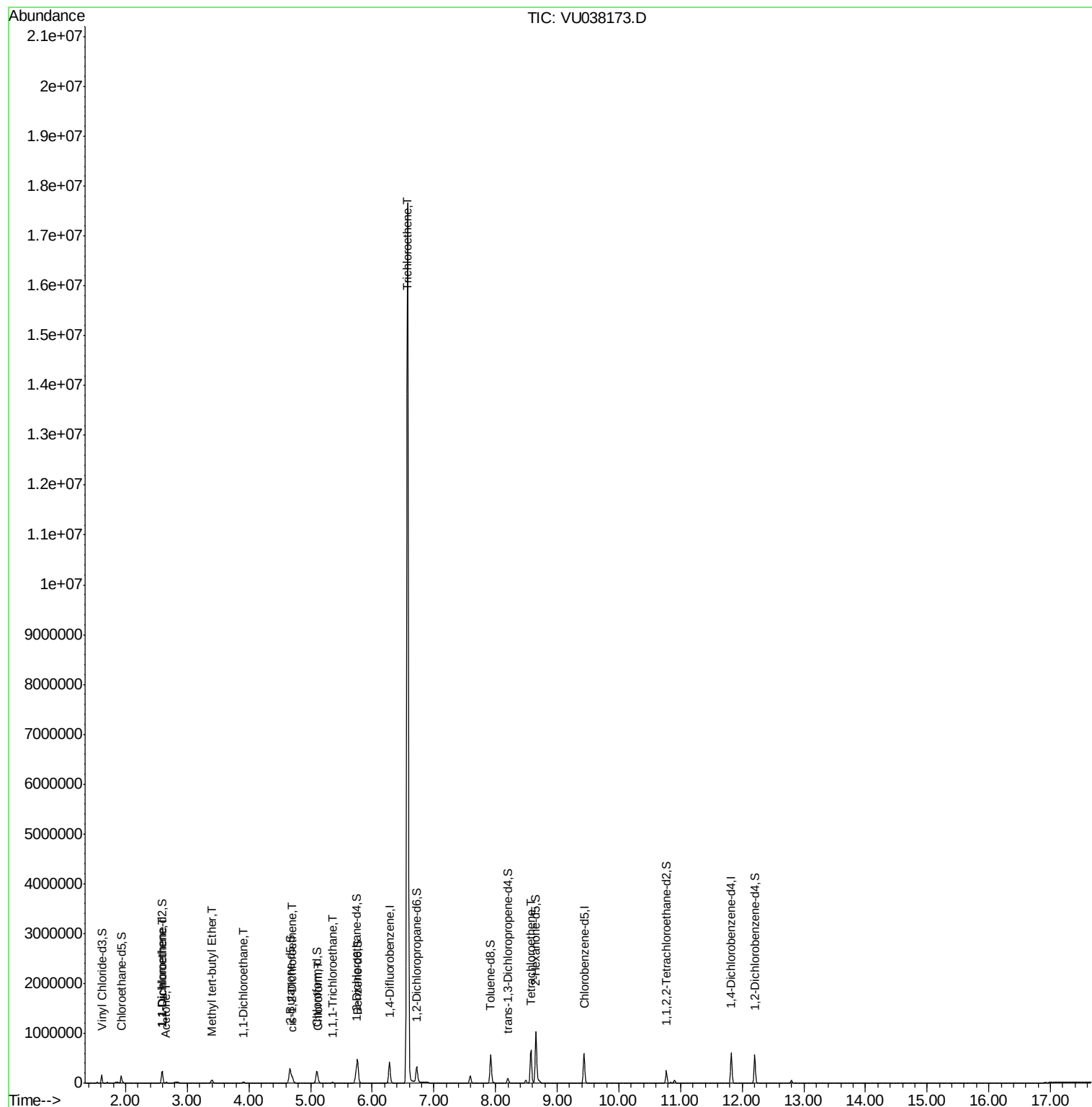
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	4923	0.211	ug/L	# 1
13) Acetone	2.66	43	14679	3.088	ug/L	99
17) Methyl tert-butyl Ether	3.40	73	58578	0.905	ug/L	98
19) 1,1-Dichloroethane	3.91	63	24194	0.487	ug/L	95
22) cis-1,2-Dichloroethene	4.71	96	37693	1.375	ug/L	94
25) Chloroform	5.12	83	17500	0.378	ug/L	94
29) 1,1,1-Trichloroethane	5.35	97	10227	0.276	ug/L	96
34) Trichloroethene	6.57	95	5985610	230.795	ug/L	99
47) Tetrachloroethene	8.57	164	148023	8.160	ug/L	99

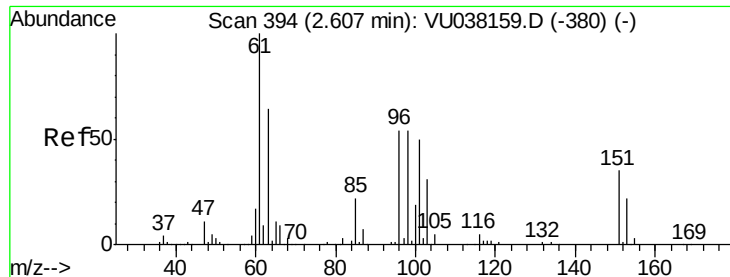
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

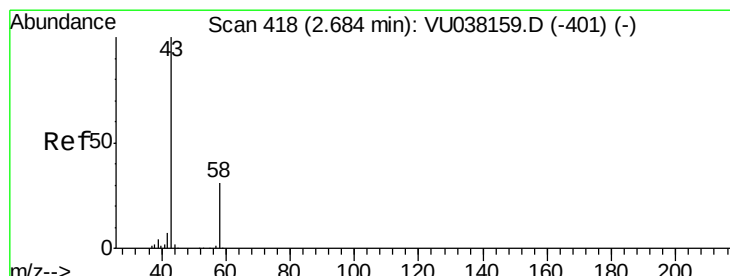
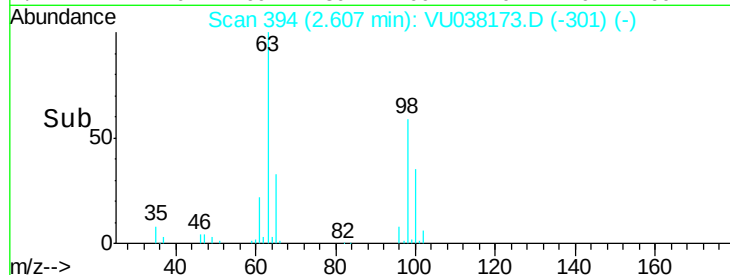
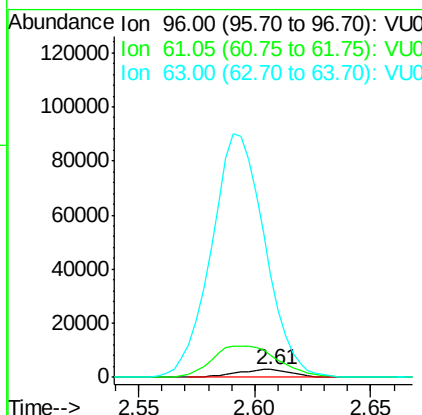
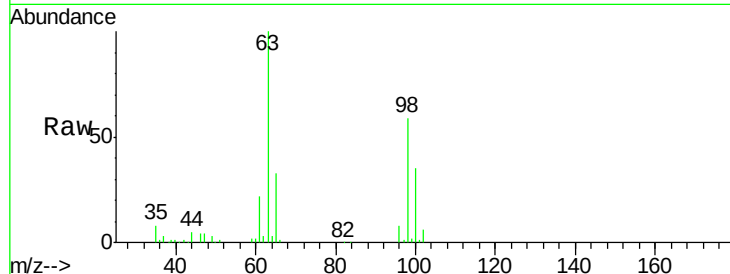




#12
 1,1-Dichloroethene
 Concen: 0.211 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU038173.D
 Acq: 14 May 2020 16:42

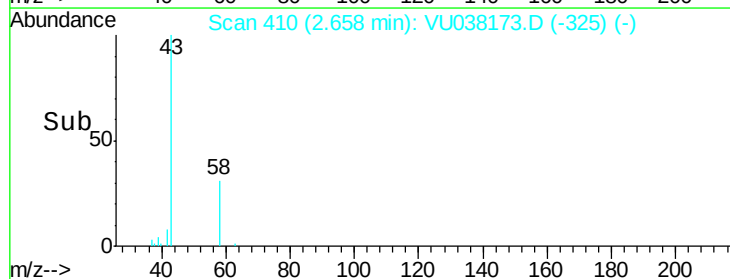
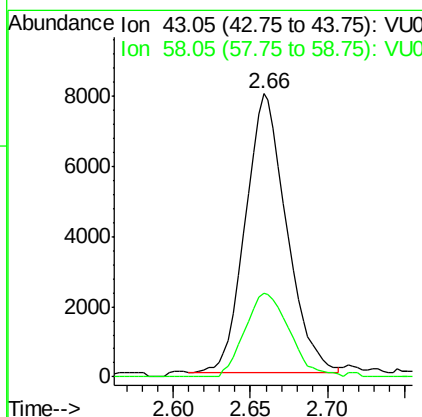
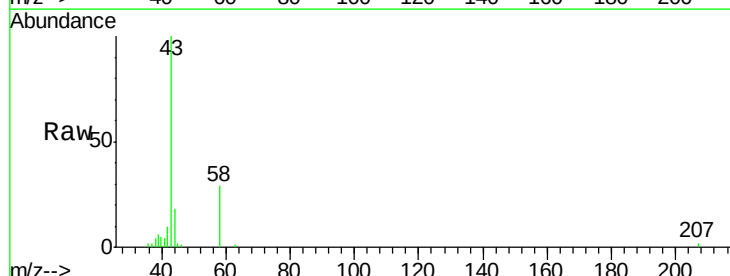
Instrument :
 MSVOA_U
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 BF8N5

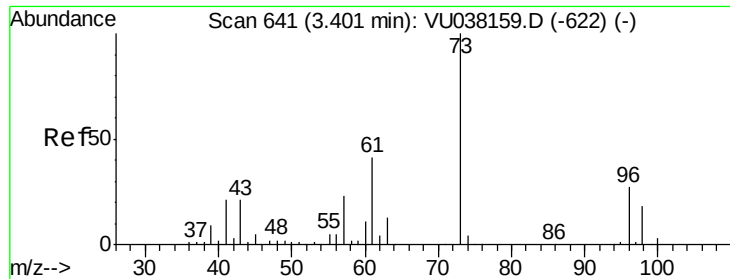
Tot Ion: 96 Resp: 4923
 Ion Ratio Lower Upper
 96 100
 61 284.4 126.2 234.4#
 63 1309.5 96.9 179.9#



#13
 Acetone
 Concen: 3.088 ug/L
 RT: 2.66 min Scan# 410
 Delta R.T. -0.03 min
 Lab File: VU038173.D
 Acq: 14 May 2020 16:42

Tgt Ion: 43 Resp: 14679
 Ion Ratio Lower Upper
 43 100
 58 32.4 0.0 63.6

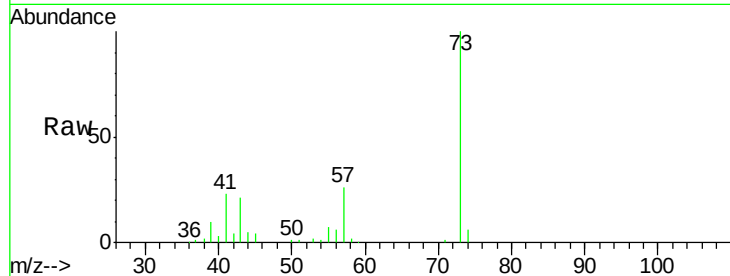




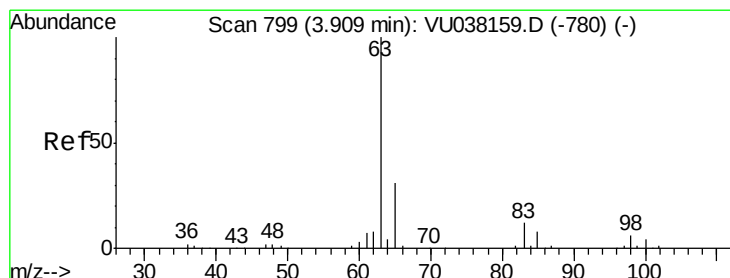
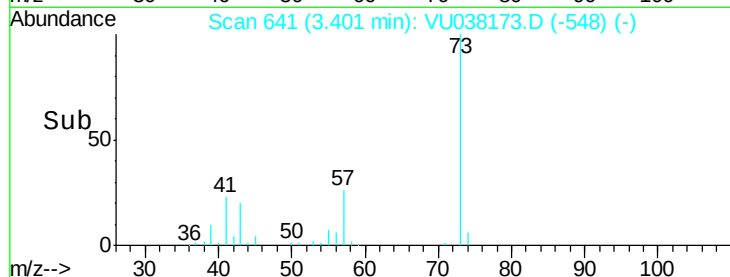
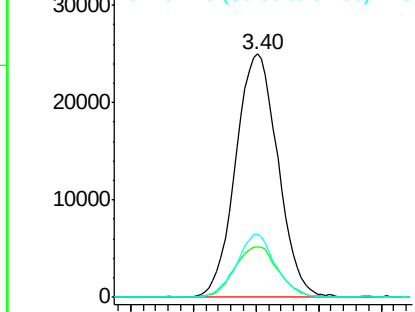
#17
Methvl tert-butvl Ether
Concen: 0.905 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038173.D
Acq: 14 May 2020 16:42

Instrument :
MSVOA_U
ClientSampleId :
BF8N5

Tot Ion: 73 Resp: 58578
Ion Ratio Lower Upper
73 100
43 21.6 16.9 25.3
57 23.9 18.2 27.2

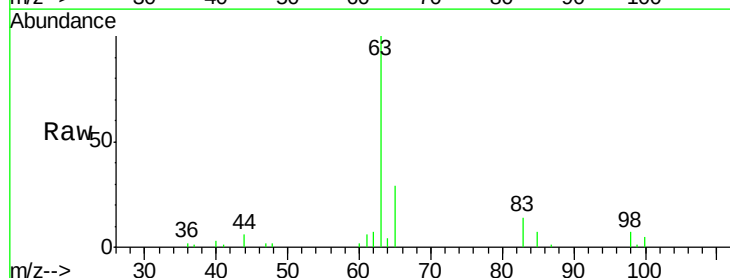


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

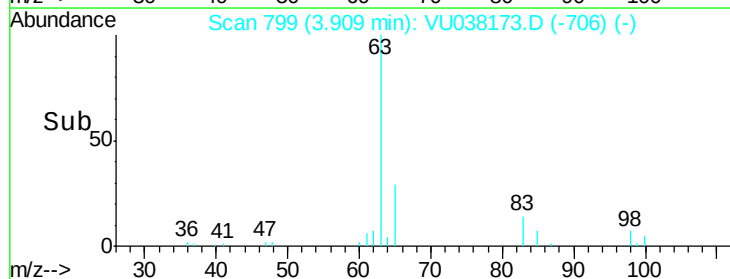
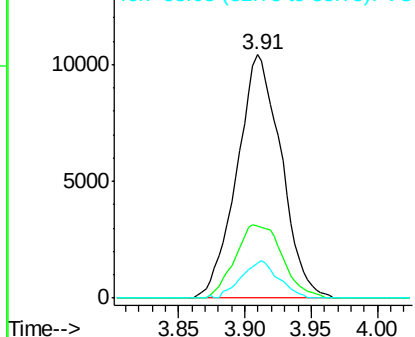


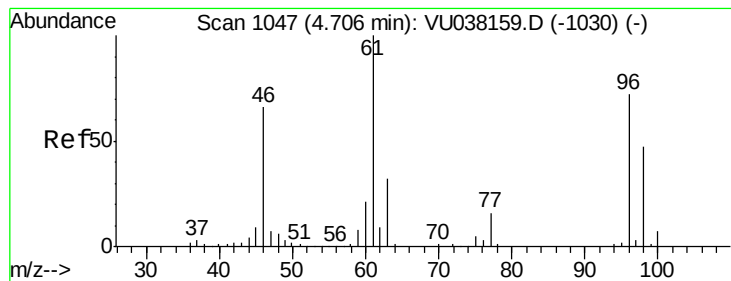
#19
1,1-Dichloroethane
Concen: 0.487 ug/L
RT: 3.91 min Scan# 799
Delta R.T. 0.00 min
Lab File: VU038173.D
Acq: 14 May 2020 16:42

Tgt Ion: 63 Resp: 24194
Ion Ratio Lower Upper
63 100
65 29.5 22.5 41.7
83 14.3 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 1.375 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038173.D

Acq: 14 May 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

BF8N5

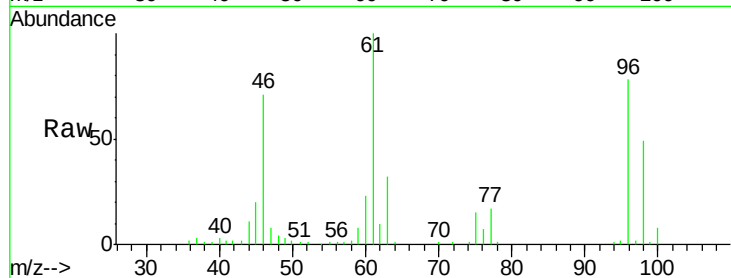
Tot Ion: 96 Resp: 37693

Ion Ratio Lower Upper

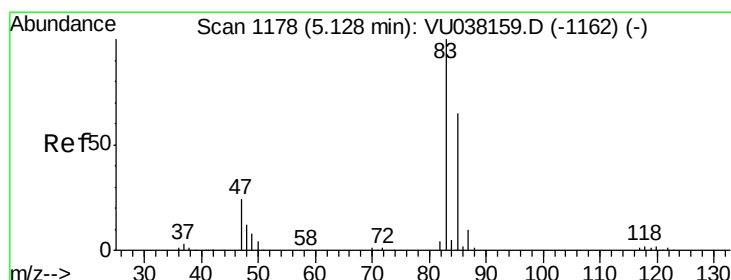
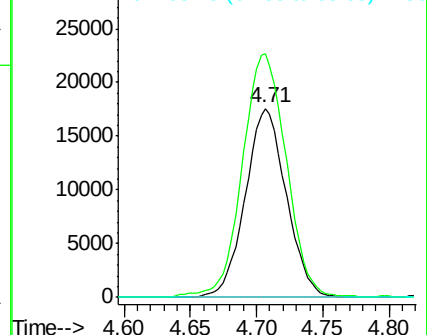
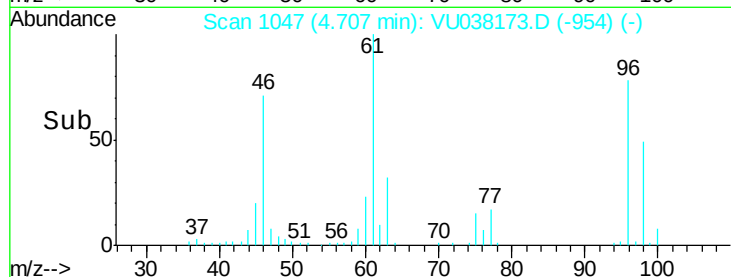
96 100

61 129.0 95.3 176.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038173.D (-954) (-)



#25

Chloroform

Concen: 0.378 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038173.D

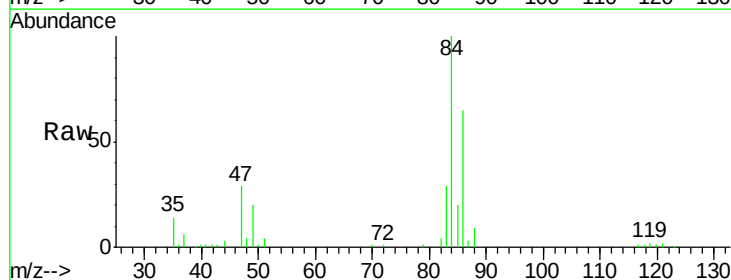
Acq: 14 May 2020 16:42

Tgt Ion: 83 Resp: 17500

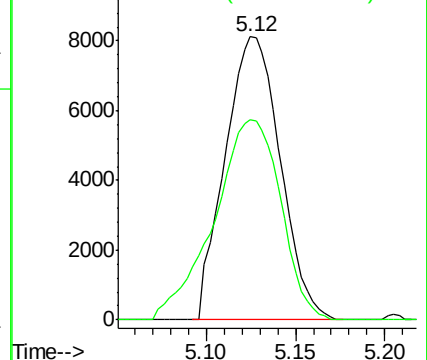
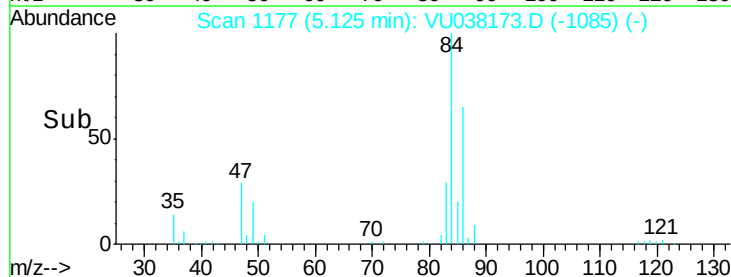
Ion Ratio Lower Upper

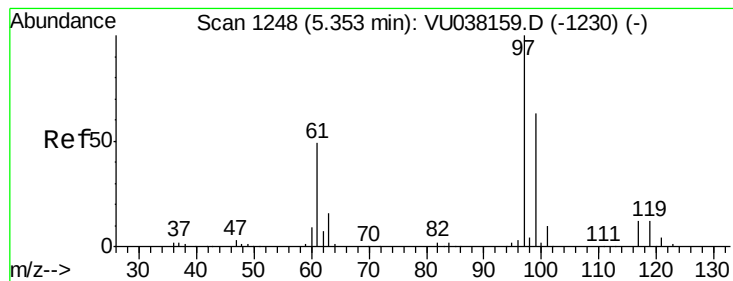
83 100

85 70.5 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VU038173.D (-1085) (-)





#29

1,1,1-Trichloroethane

Concen: 0.276 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038173.D

Acq: 14 May 2020 16:42

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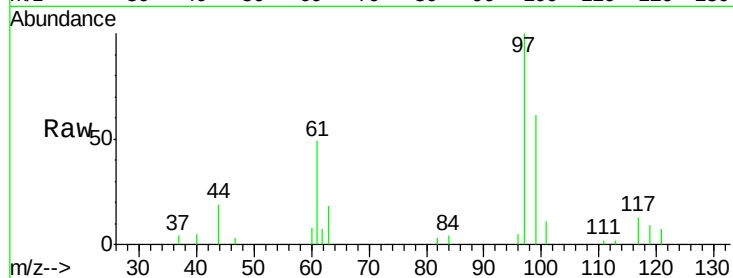
Tot Ion: 97 Resp: 10227

Ion Ratio Lower Upper

97 100

99 60.8 51.0 76.4

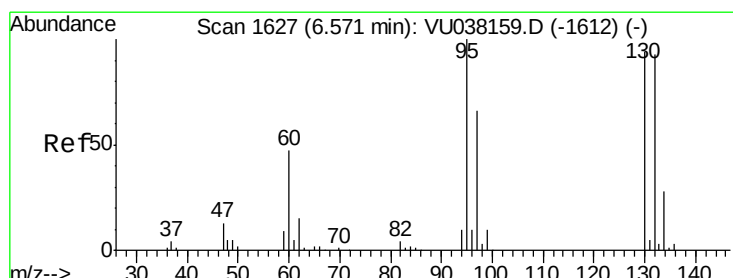
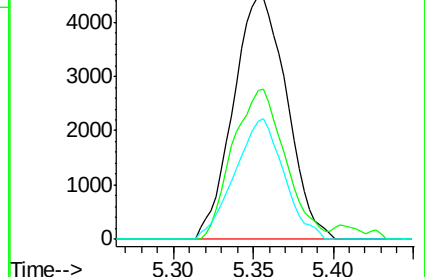
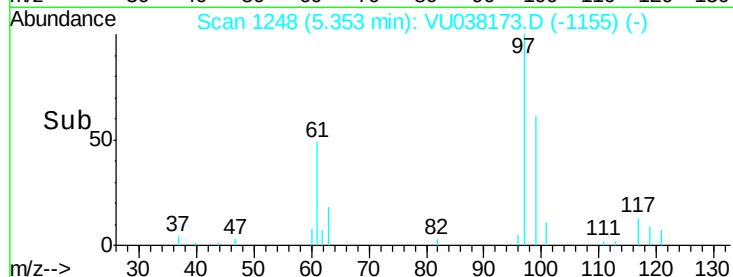
61 45.3 38.2 57.4



Abundance Ion 96.95 (96.65 to 97.65): VU038173.D (-1155) (-)

Ion 99.05 (98.75 to 99.75): VU038173.D (-1155) (-)

Ion 61.05 (60.75 to 61.75): VU038173.D (-1155) (-)



#34

Trichloroethene

Concen: 230.795 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU038173.D

Acq: 14 May 2020 16:42

Tgt Ion: 95 Resp: 5985610

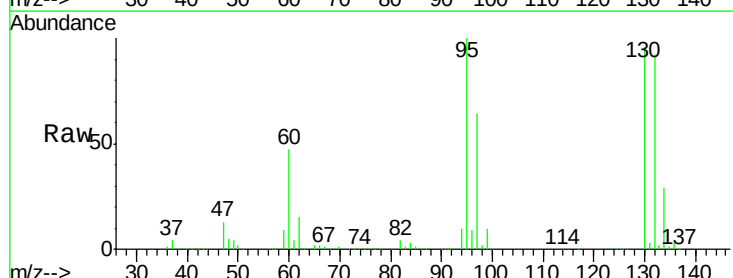
Ion Ratio Lower Upper

95 100

97 63.7 44.9 83.3

132 91.6 63.3 117.5

130 95.7 65.7 122.1

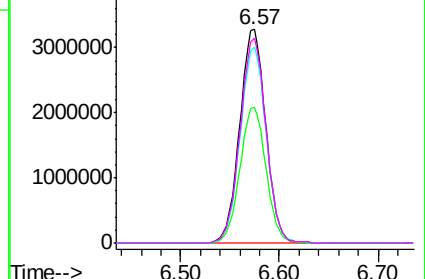
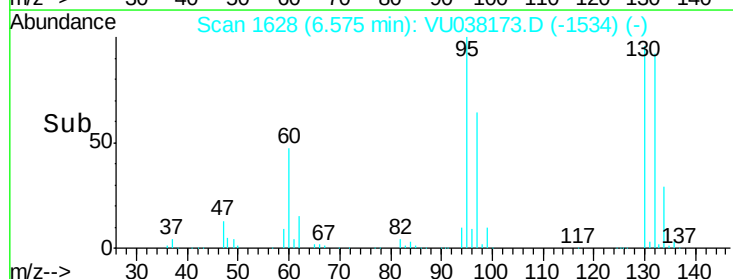


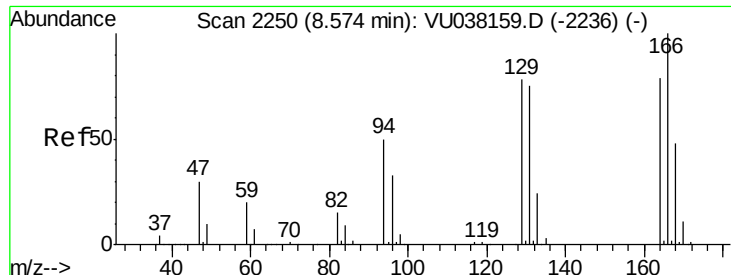
Abundance Ion 95.00 (94.70 to 95.70): VU038173.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038173.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038173.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038173.D (-1534) (-)





#47

Tetrachloroethene

Concen: 8.160 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038173.D

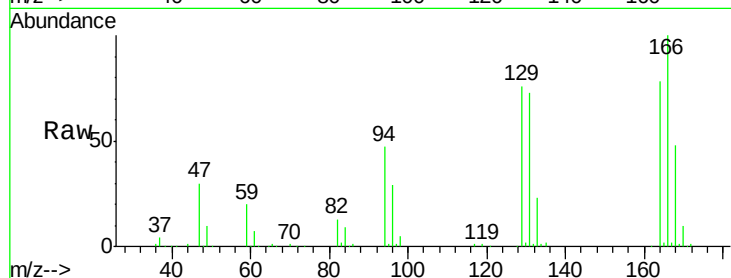
Acq: 14 May 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

BF8N5



Tot Ion:164 Resp: 148023

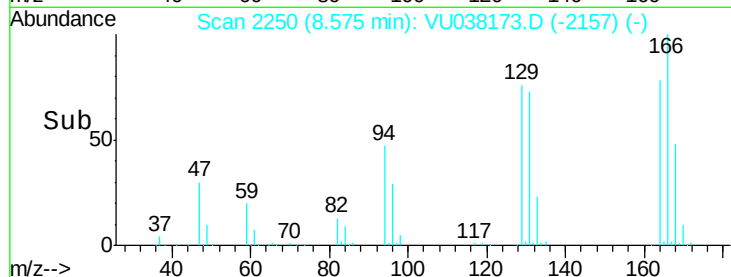
Ion Ratio Lower Upper

164 100

129 97.5 68.8 127.8

131 93.2 66.8 124.2

166 128.2 88.9 165.1



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

