

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050820\
 Data File : VU038092.D
 Acq On : 08 May 2020 18:36
 Operator : JC/MD
 Sample : L2528-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 09 00:14:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 09 00:11:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	349153	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	343466	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	162340	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	134593	4.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.40%
7) Chloroethane-d5	1.93	69	117828	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.59	63	167614	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.66	46	343101	43.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.08%
24) Chloroform-d	5.10	84	198111	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
26) 1,2-Dichloroethane-d4	5.74	65	124625	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.76	84	472251	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.72	67	153447	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.92	98	422190	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.20	79	53606	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.65	63	277366	44.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.28%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	113738	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	148312	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

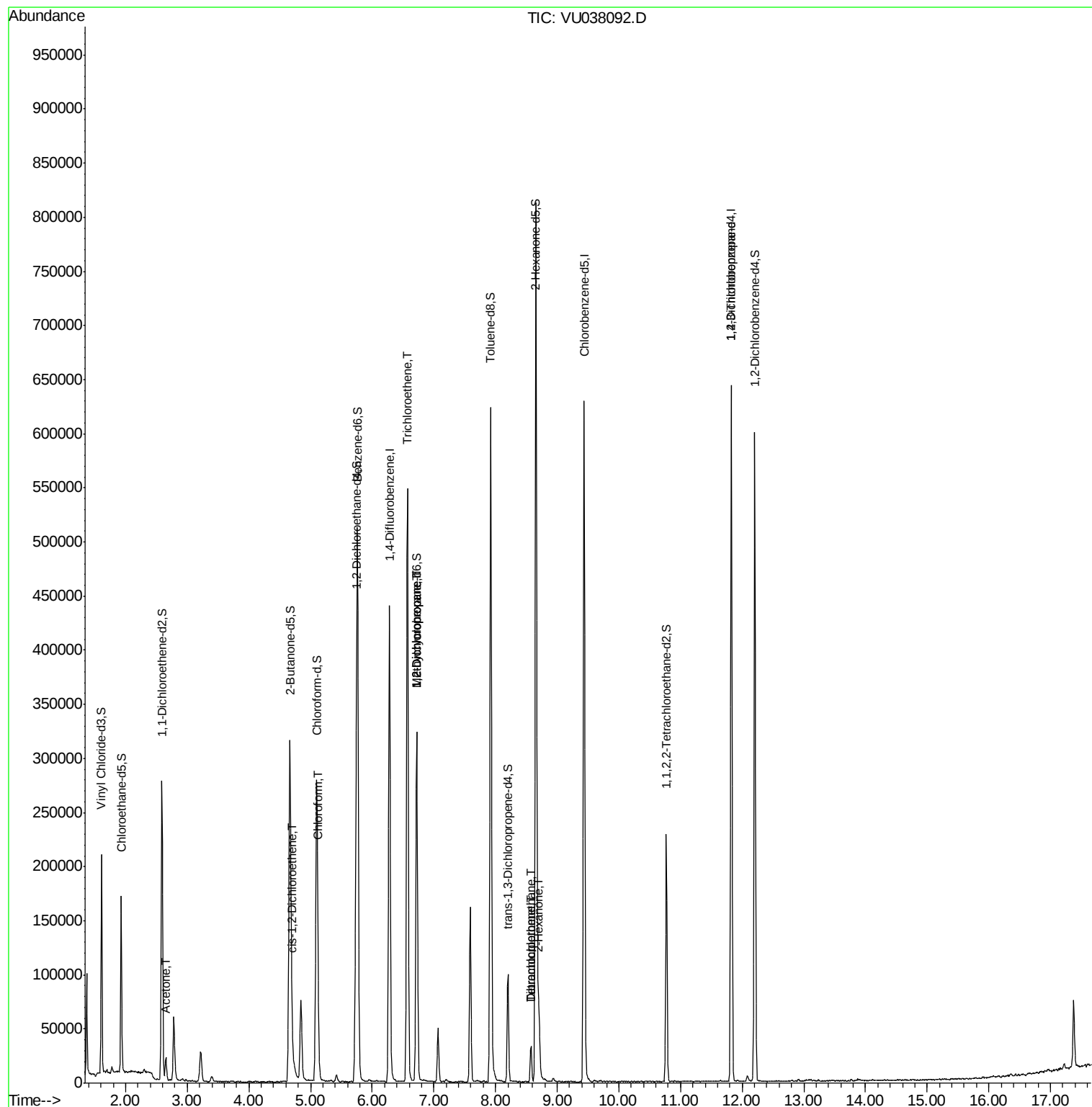
					Ovalue
13) Acetone	2.65	43	23381	4.729	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	3571	0.125	ug/L 76
25) Chloroform	5.12	83	22921	0.476	ug/L 89
34) Trichloroethene	6.57	95	188128	6.839	ug/L 99
35) Methylcyclohexane	6.72	83	33292	0.747	ug/L # 16
37) 1,2-Dichloropropane	6.72	63	16700	0.559	ug/L # 88
47) Tetrachloroethene	8.57	164	7719	0.401	ug/L 93
48) 2-Hexanone	8.71	43	33662	2.220	ug/L # 93
49) Dibromochloromethane	8.58	129	7171	0.333	ug/L # 10
59) 1,2,3-Trichloropropane	11.83	75	21282	1.061	ug/L 89

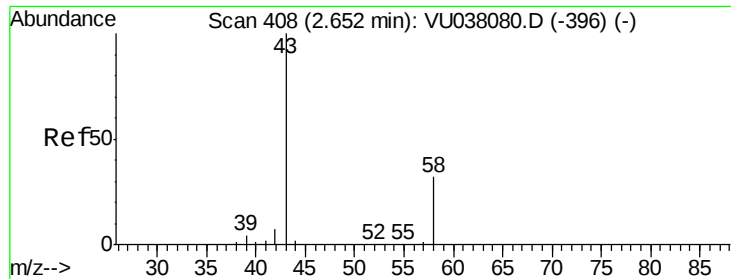
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 09 00:11:09 2020
Response via : Initial Calibration





#13

Acetone

Concen: 4.729 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU038092.D

Acq: 08 May 2020 18:36

Instrument :

MSVOA_U

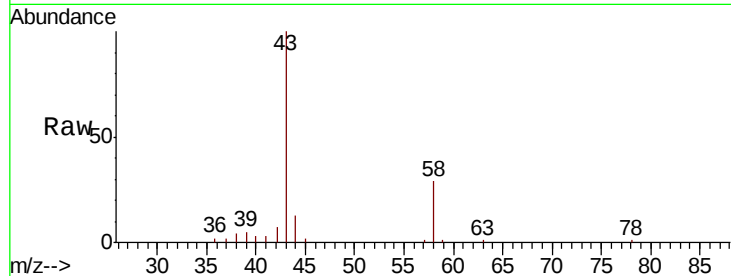
ClientSampled :

Tot Ion: 43 Resp: 23381

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038080.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU038080.D (-396) (-)

2.65

15000

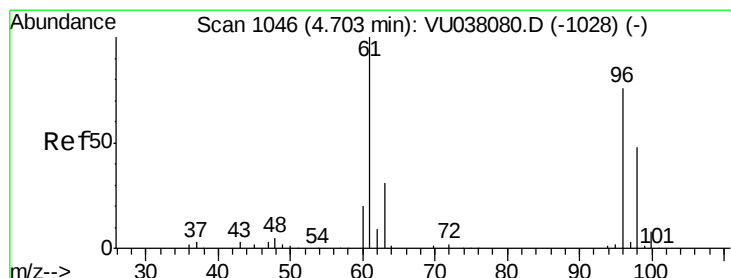
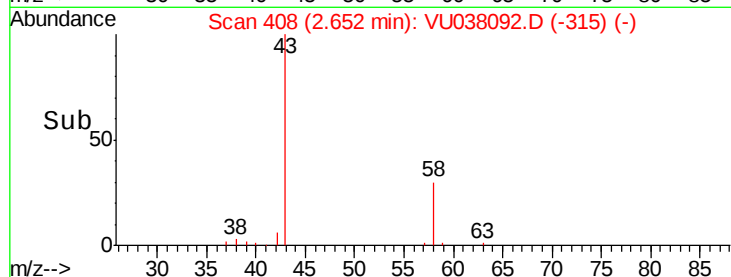
10000

5000

0

2.60 2.65 2.70

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.125 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038092.D

Acq: 08 May 2020 18:36

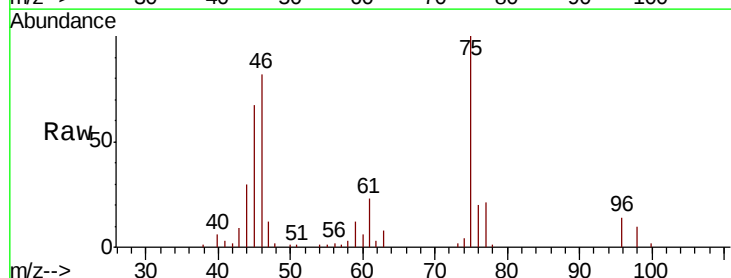
Tgt Ion: 96 Resp: 3571

Ion Ratio Lower Upper

96 100

61 165.1 95.3 176.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038080.D (-1028) (-)

Ion 61.05 (60.75 to 61.75): VU038080.D (-1028) (-)

Ion 68.15 (67.85 to 68.85): VU038080.D (-1028) (-)

4.71

3000

2500

2000

1500

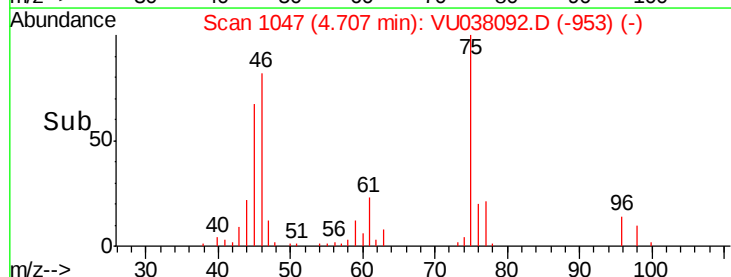
1000

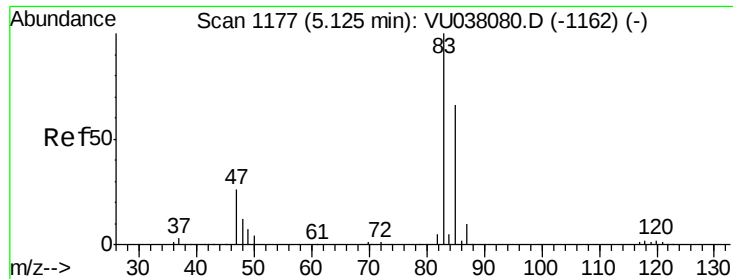
500

0

4.65 4.70 4.75

Time-->

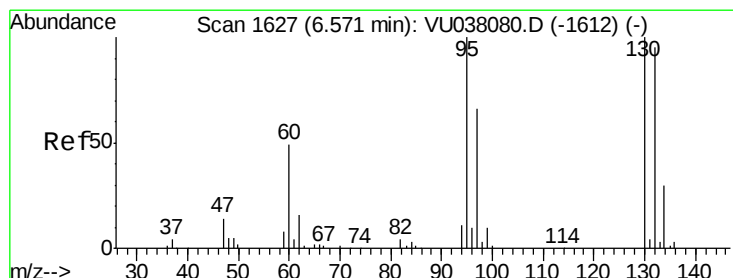
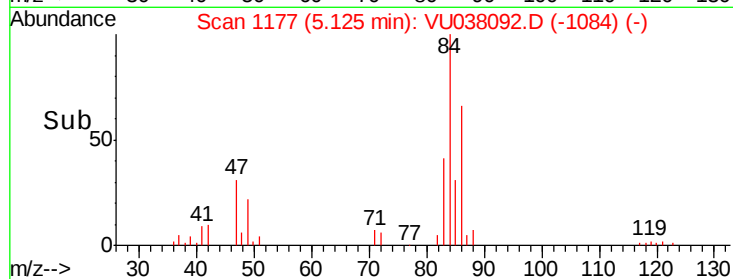
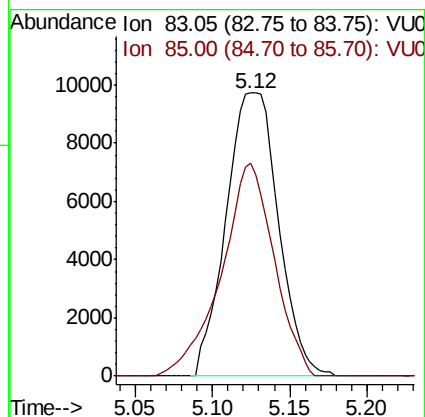
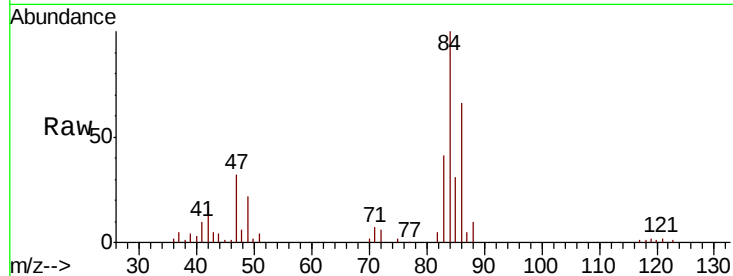




#25
Chloroform
Concen: 0.476 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU038092.D
Acq: 08 May 2020 18:36

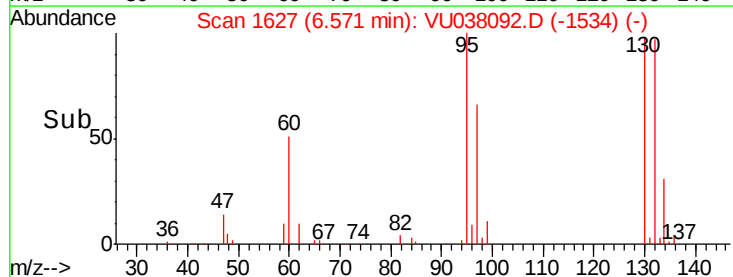
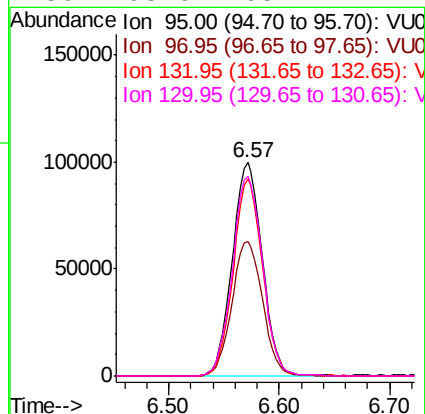
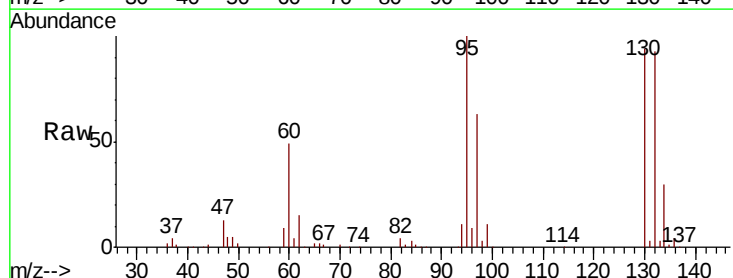
Instrument :
MSVOA_U
ClientSampled :

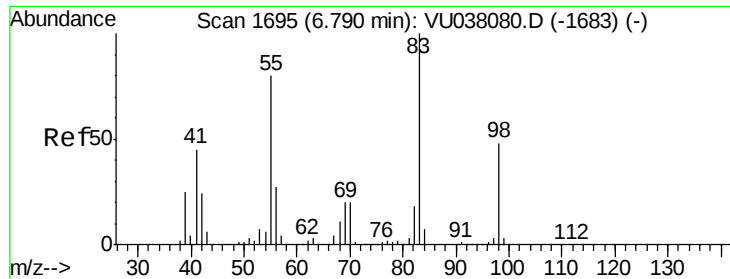
Tot Ion: 83 Resp: 22921
Ion Ratio Lower Upper
83 100
85 75.1 46.2 85.8



#34
Trichloroethene
Concen: 6.839 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU038092.D
Acq: 08 May 2020 18:36

Tgt Ion: 95 Resp: 188128
Ion Ratio Lower Upper
95 100
97 63.2 44.9 83.3
132 92.6 63.3 117.5
130 93.6 65.7 122.1

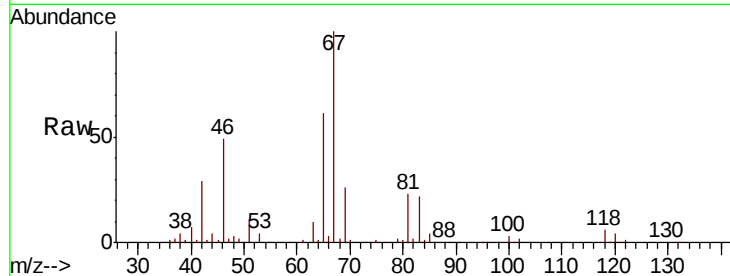




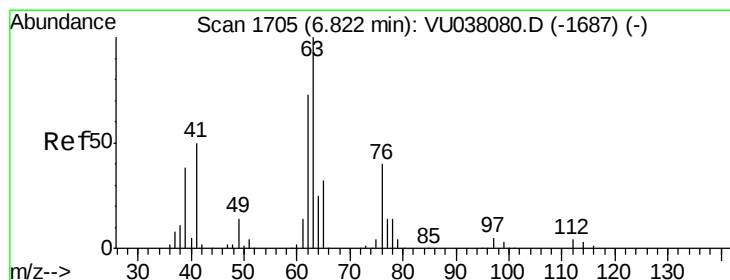
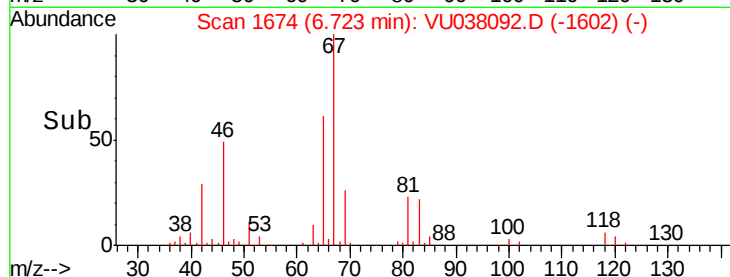
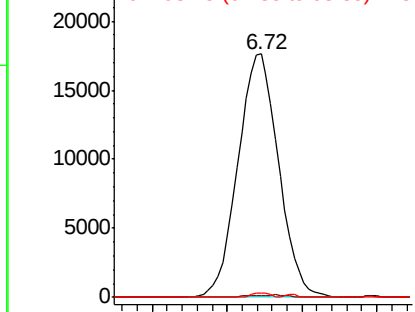
#35
Methvlcvclohexane
Concen: 0.747 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038092.D
Acq: 08 May 2020 18:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 33292
Ion Ratio Lower Upper
83 100
55 0.4 66.7 100.1#
98 0.8 39.4 59.2#

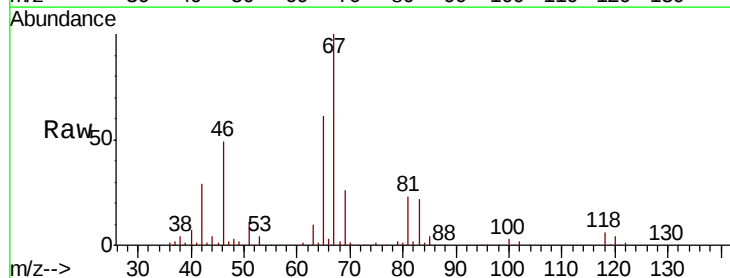


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

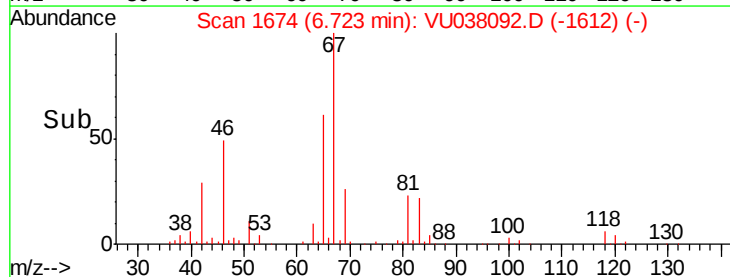
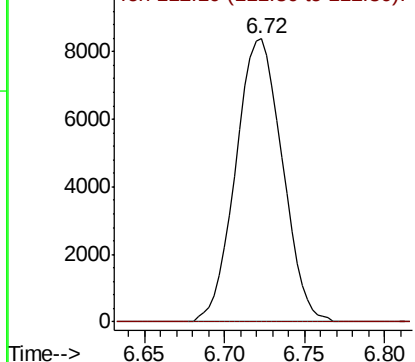


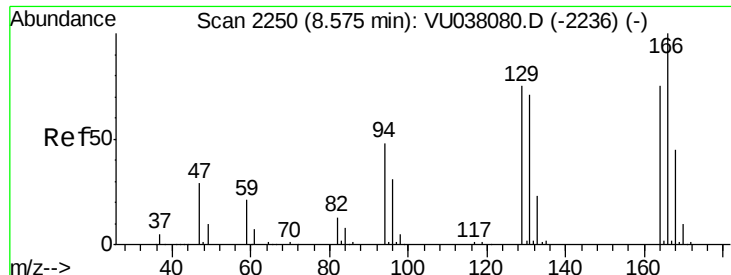
#37
1,2-Dichloropropane
Concen: 0.559 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038092.D
Acq: 08 May 2020 18:36

Tgt Ion: 63 Resp: 16700
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 0.401 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038092.D

Acq: 08 May 2020 18:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 7719

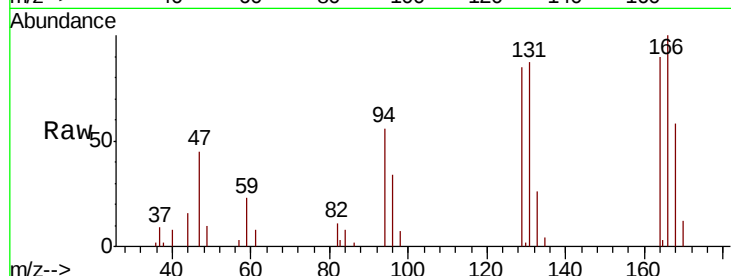
Ion Ratio Lower Upper

164 100

129 93.8 68.8 127.8

131 96.3 66.8 124.2

166 110.6 88.9 165.1



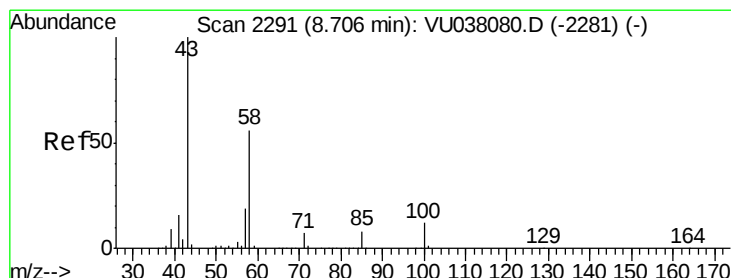
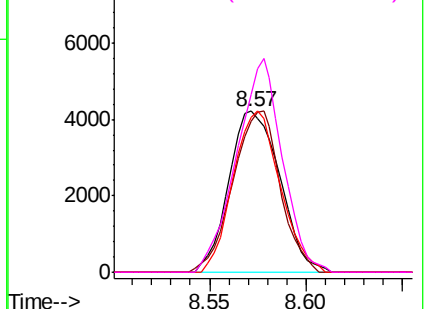
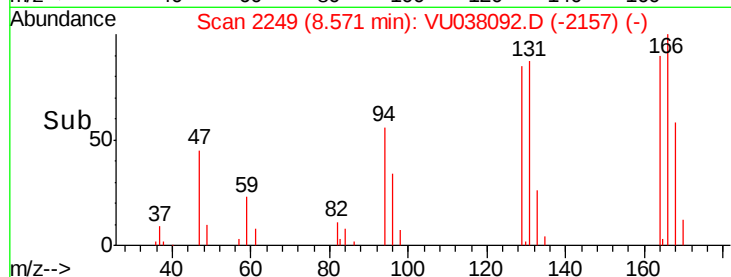
Abundance

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



#48

2-Hexanone

Concen: 2.220 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU038092.D

Acq: 08 May 2020 18:36

Tgt Ion: 43 Resp: 33662

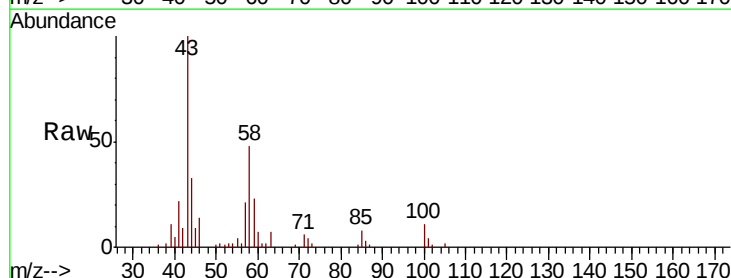
Ion Ratio Lower Upper

43 100

58 51.6 45.2 67.8

57 24.6 15.5 23.3#

100 10.5 9.5 14.3



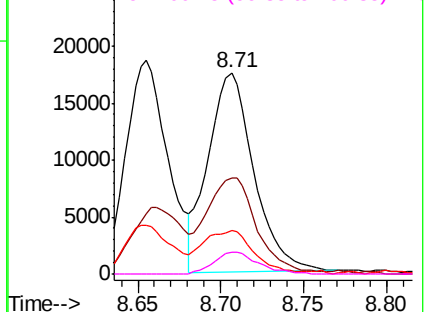
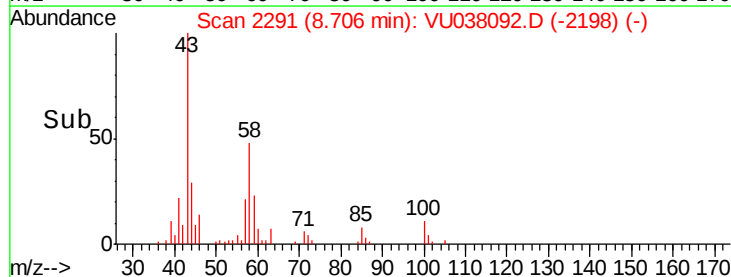
Abundance

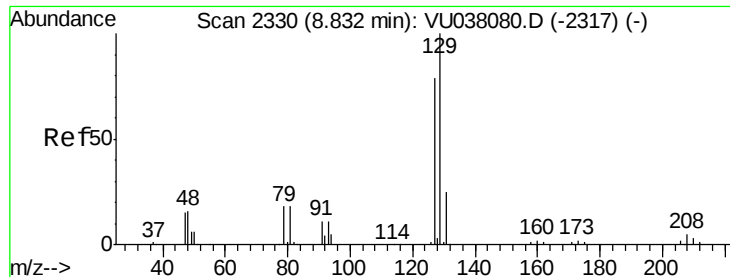
Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.333 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.25 min

Lab File: VU038092.D

Acq: 08 May 2020 18:36

Instrument :

MSVOA_U

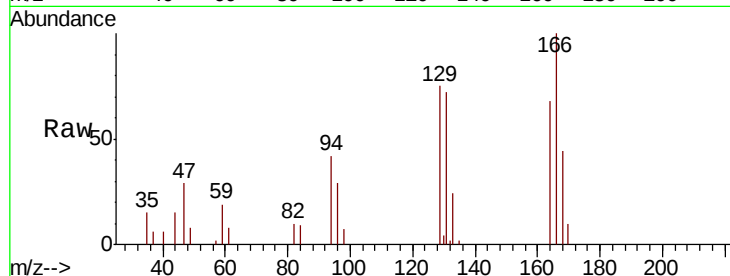
ClientSampleId :

Tot Ion:129 Resp: 7171

Ion Ratio Lower Upper

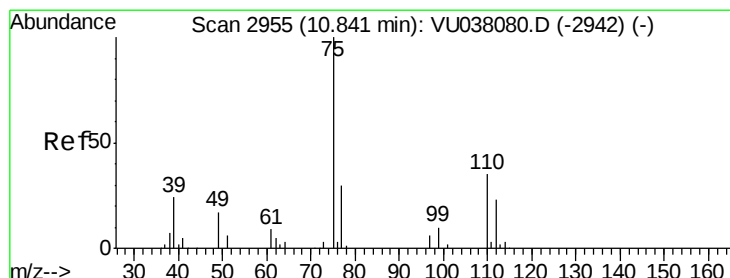
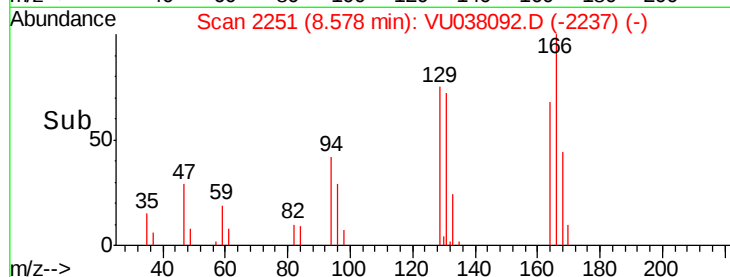
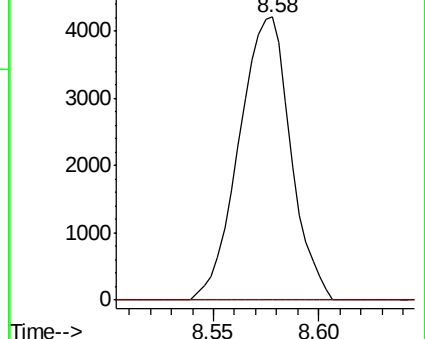
129 100

127 0.0 55.6 103.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.061 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038092.D

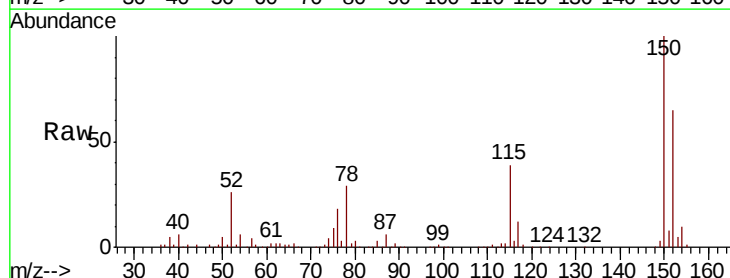
Acq: 08 May 2020 18:36

Tgt Ion: 75 Resp: 21282

Ion Ratio Lower Upper

75 100

77 37.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

