

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050820\
 Data File : VU038084.D
 Acq On : 08 May 2020 15:29
 Operator : JC/MD
 Sample : L2538-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 09 00:13:16 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	364656	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	361243	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	169066	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	143875	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.93	69	127627	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.59	63	182837	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.66	46	379029	46.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.12%
24) Chloroform-d	5.10	84	229773	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.74	65	134091	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.76	84	507752	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.72	67	164269	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.92	98	451095	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.20	79	57709	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.65	63	297017	44.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.88%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	121463	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	157513	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

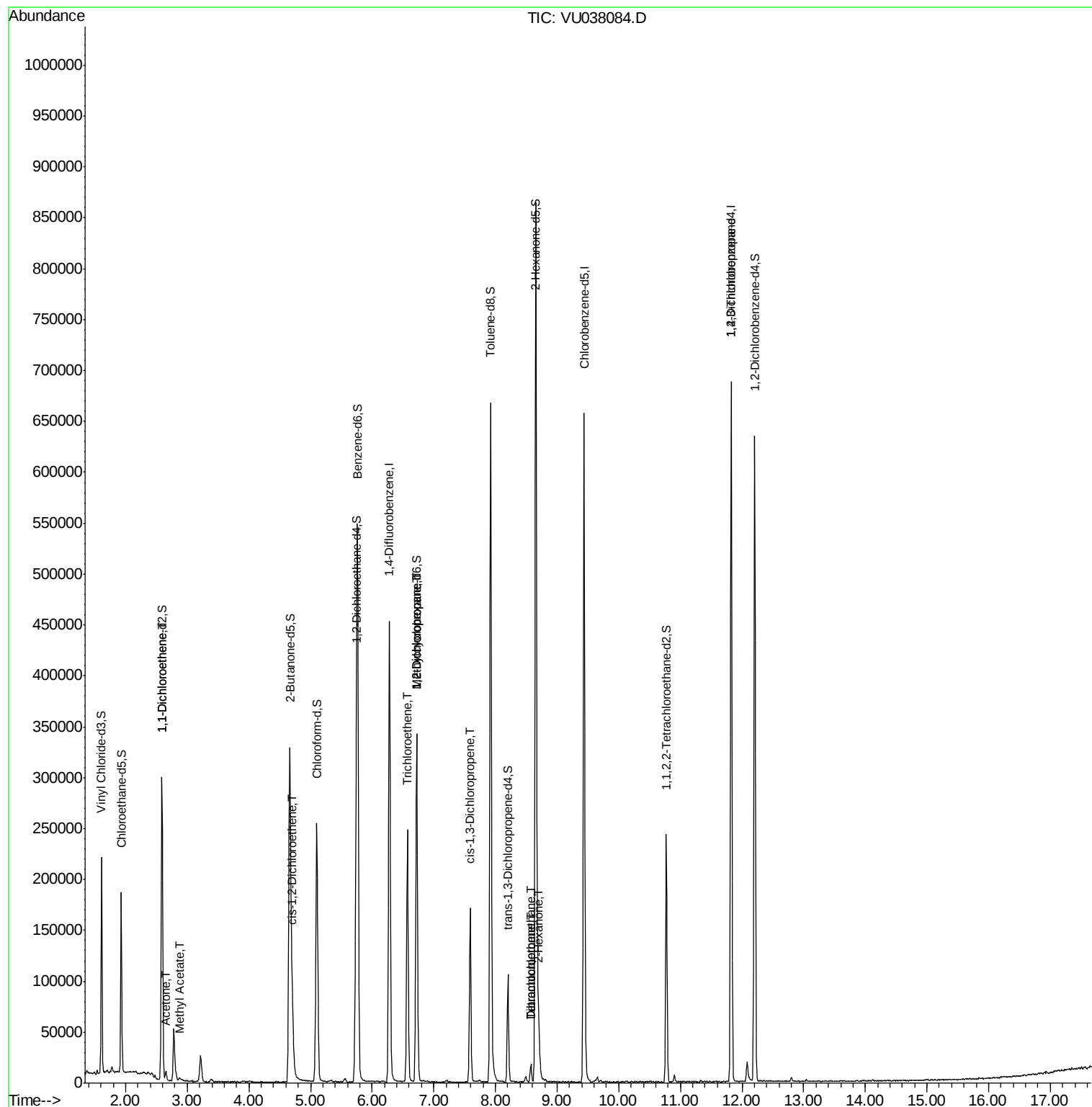
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	2120	0.084	ug/L #	1
13) Acetone	2.65	43	10650	2.063	ug/L	100
15) Methyl Acetate	2.87	43	4837	0.335	ug/L #	53
22) cis-1,2-Dichloroethene	4.71	96	27265	0.916	ug/L	96
34) Trichloroethene	6.57	95	83425	2.883	ug/L	98
35) Methylcyclohexane	6.72	83	35414	0.756	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	16159	0.514	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3782	0.084	ug/L #	47
47) Tetrachloroethene	8.57	164	4352	0.215	ug/L	92
48) 2-Hexanone	8.71	43	29224	1.832	ug/L #	93
49) Dibromochloromethane	8.57	129	3644	0.161	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	22973	1.089	ug/L	90

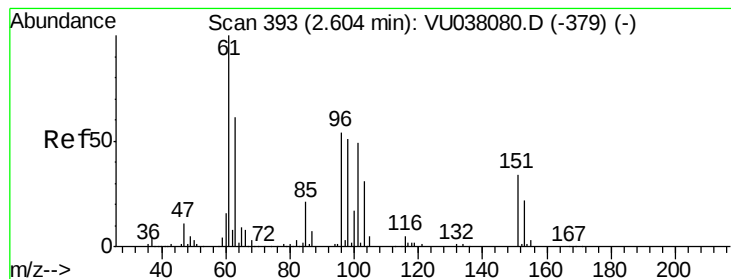
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 09 00:13:16 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





#12

1,1-Dichloroethene

Concen: 0.084 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU038084.D

Acq: 08 May 2020 15:29

Instrument :

MSVOA_U

ClientSampleId :

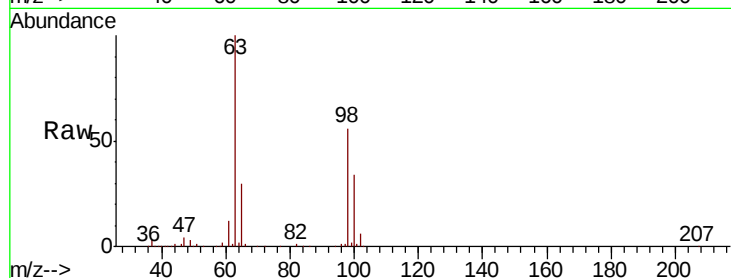
Tot Ion: 96 Resp: 2120

Ion Ratio Lower Upper

96 100

61 1157.7 126.2 234.4#

63 9651.9 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038080.D (-379) (-)

Ion 61.05 (60.75 to 61.75): VU038080.D (-379) (-)

Ion 63.00 (62.70 to 63.70): VU038080.D (-379) (-)

150000

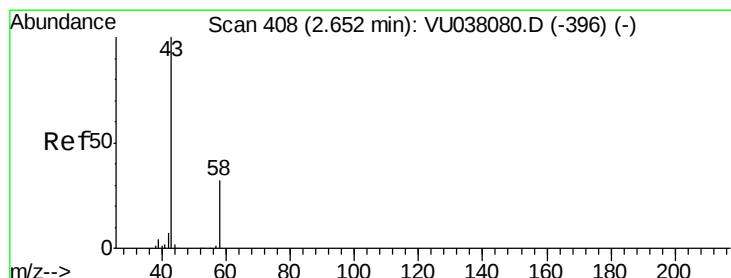
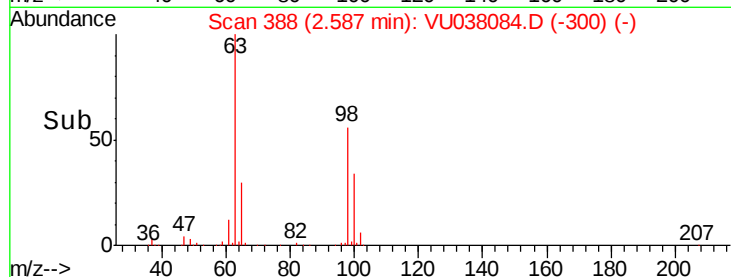
100000

50000

0

2.55 2.60 2.65

Time-->



#13

Acetone

Concen: 2.063 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU038084.D

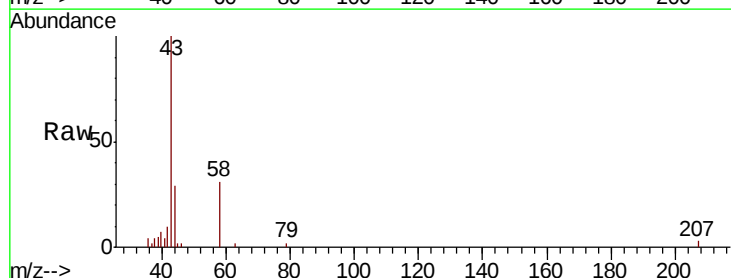
Acq: 08 May 2020 15:29

Tgt Ion: 43 Resp: 10650

Ion Ratio Lower Upper

43 100

58 31.9 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) (-)

6000

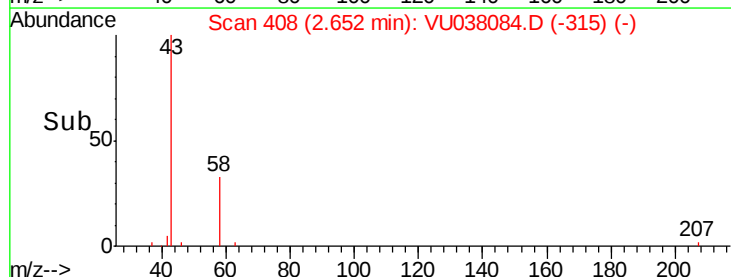
4000

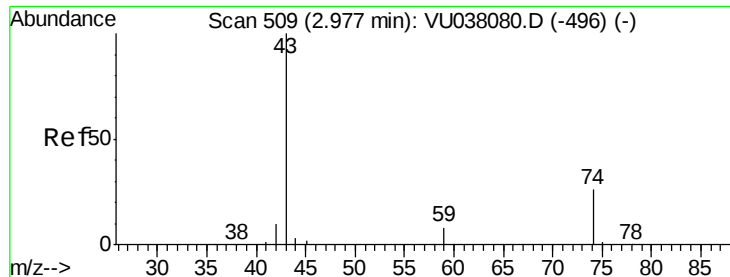
2000

0

2.60 2.65 2.70 2.75

Time-->

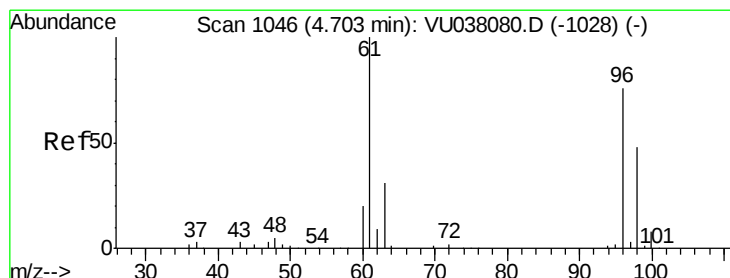
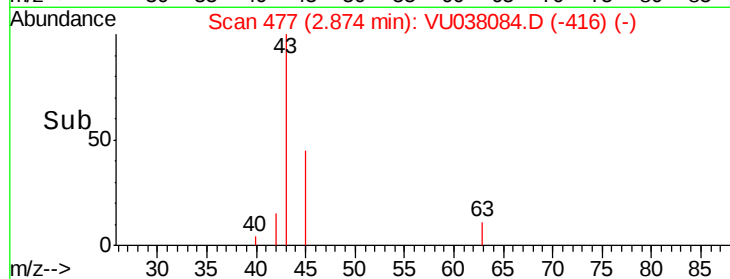
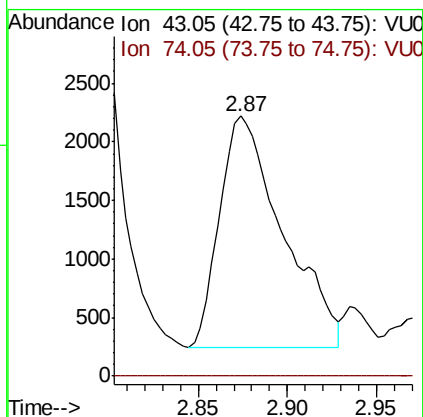
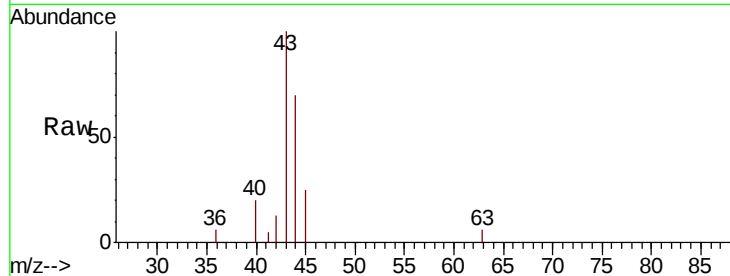




#15
Methvl Acetate
Concen: 0.335 ug/L
RT: 2.87 min Scan# 477
Delta R.T. -0.10 min
Lab File: VU038084.D
Acq: 08 May 2020 15:29

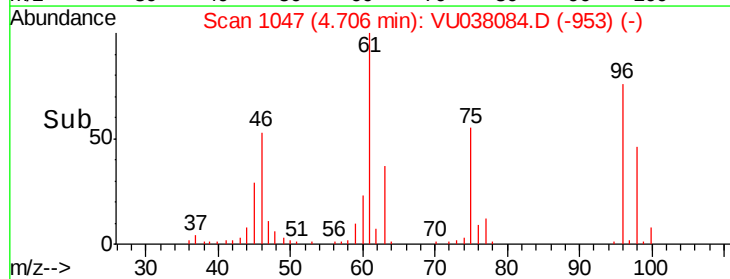
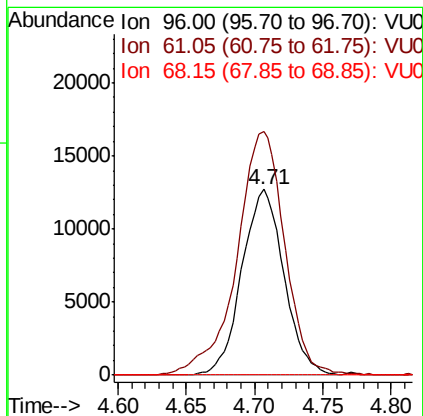
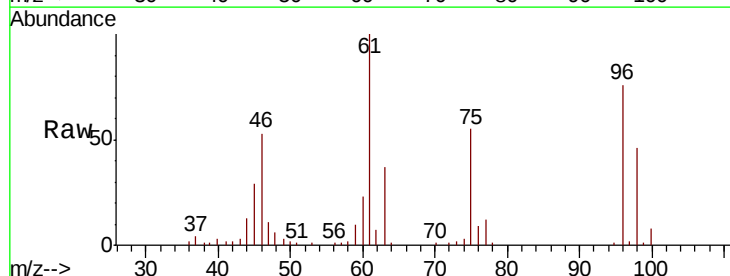
Instrument :
MSVOA_U
ClientSampled :

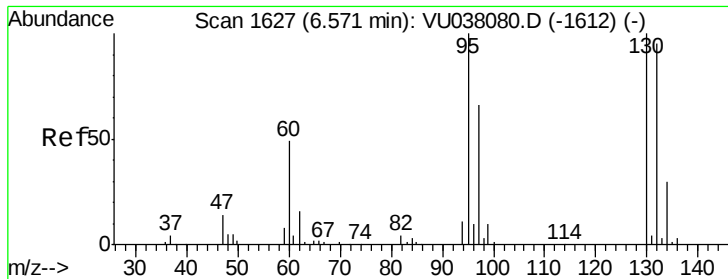
Tot Ion: 43 Resp: 4837
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#22
cis-1,2-Dichloroethene
Concen: 0.916 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU038084.D
Acq: 08 May 2020 15:29

Tgt Ion: 96 Resp: 27265
Ion Ratio Lower Upper
96 100
61 131.3 95.3 176.9
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 2.883 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038084.D

Acq: 08 May 2020 15:29

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 83425

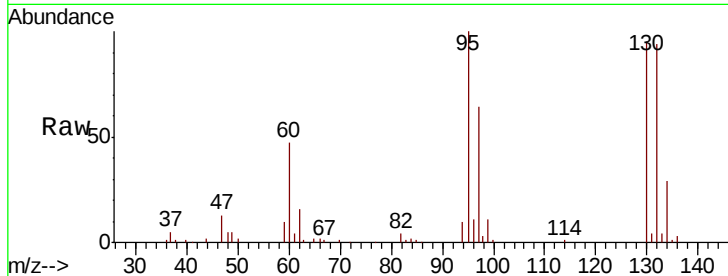
Ion Ratio Lower Upper

95 100

97 64.3 44.9 83.3

132 94.1 63.3 117.5

130 95.0 65.7 122.1

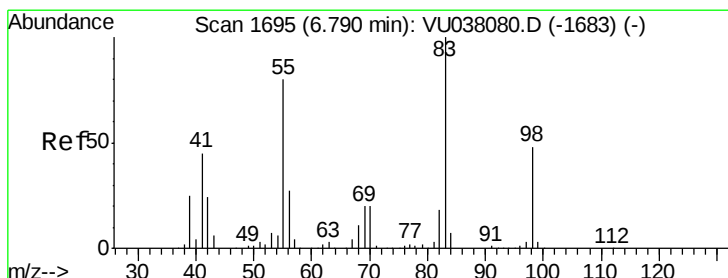
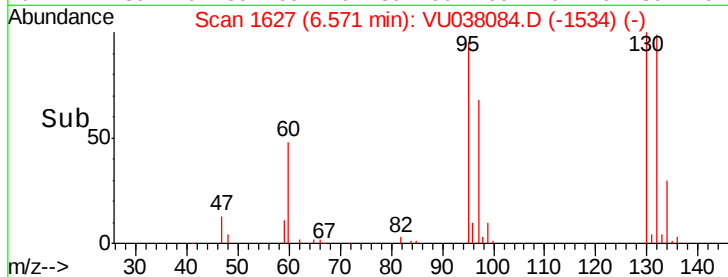
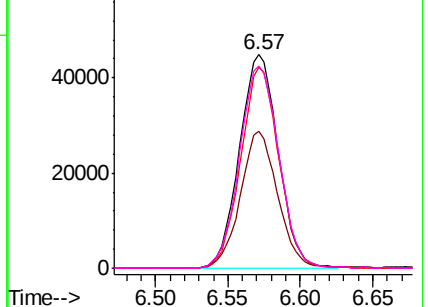


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.756 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038084.D

Acq: 08 May 2020 15:29

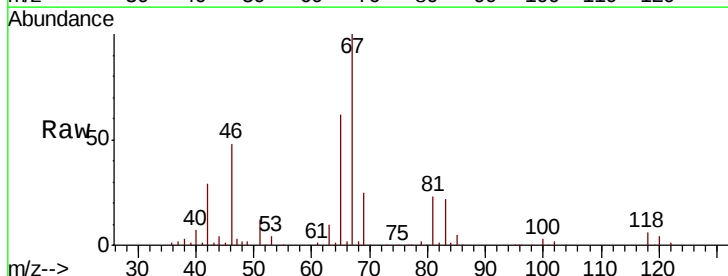
Tgt Ion: 83 Resp: 35414

Ion Ratio Lower Upper

83 100

55 0.6 66.7 100.1#

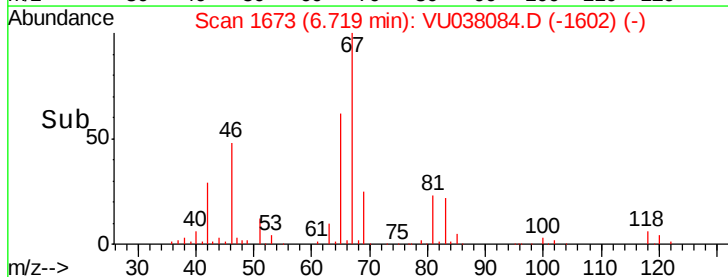
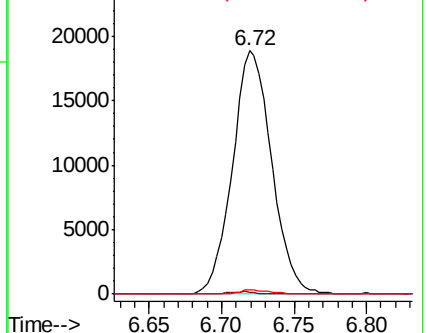
98 1.2 39.4 59.2#

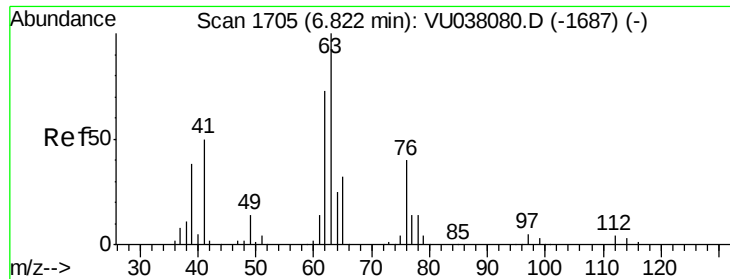


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

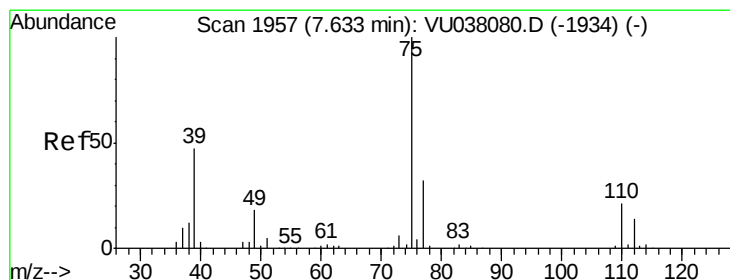
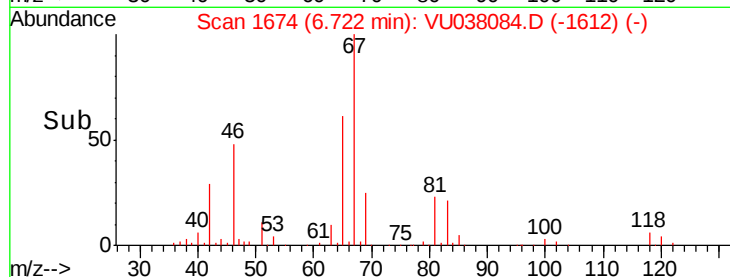
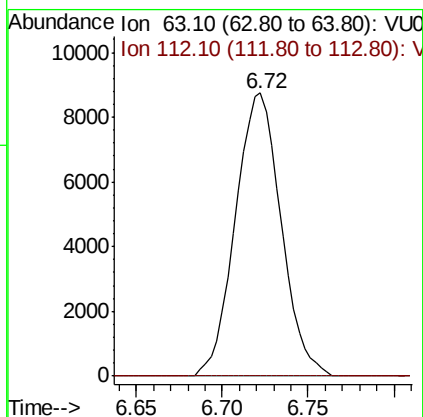
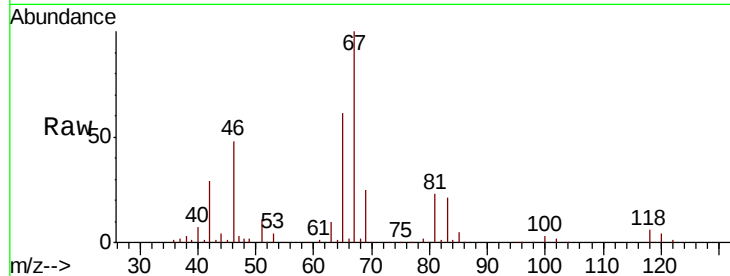




#37
 1,2-Dichloropropane
 Concen: 0.514 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038084.D
 Acq: 08 May 2020 15:29

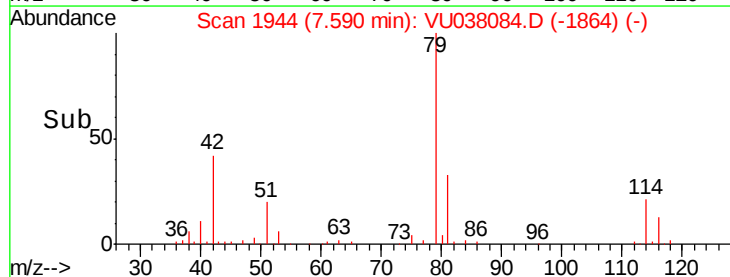
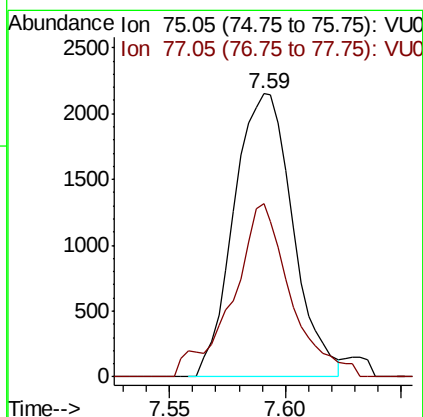
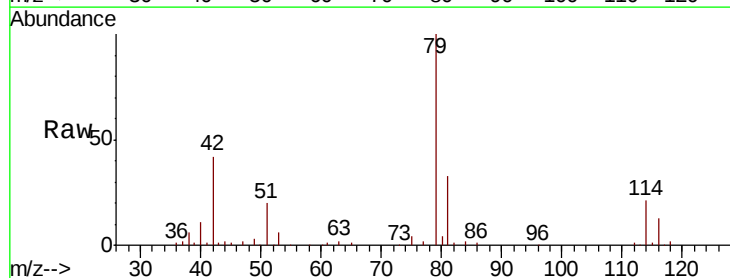
Instrument :
 MSVOA_U
 ClientSampleId :

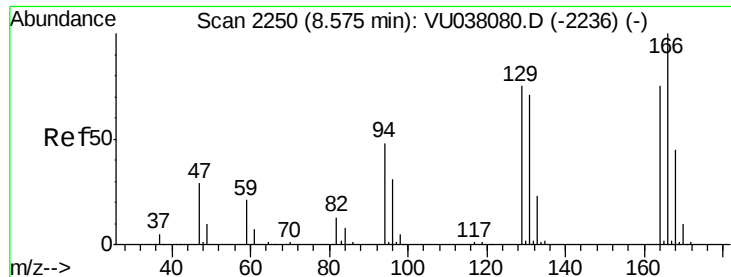
Tot Ion: 63 Resp: 16159
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038084.D
 Acq: 08 May 2020 15:29

Tgt Ion: 75 Resp: 3782
 Ion Ratio Lower Upper
 75 100
 77 61.3 22.4 41.6#





#47

Tetrachloroethene

Concen: 0.215 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038084.D

Acq: 08 May 2020 15:29

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 4352

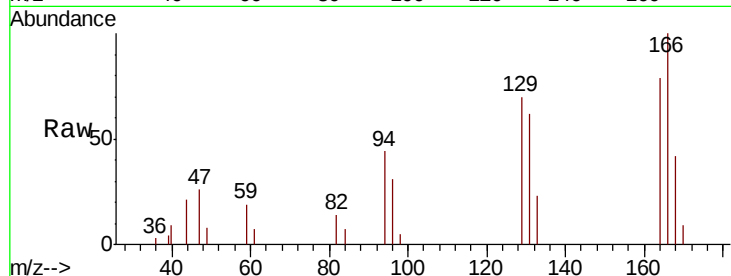
Ion Ratio Lower Upper

164 100

129 88.5 68.8 127.8

131 78.9 66.8 124.2

166 127.1 88.9 165.1

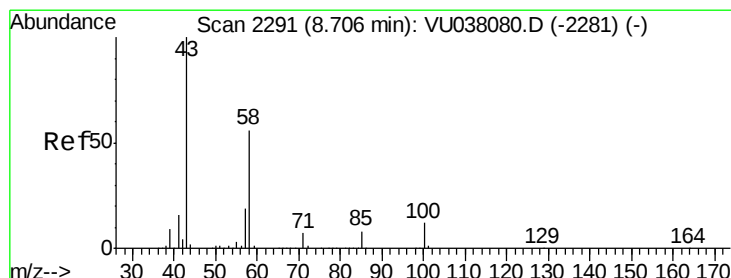
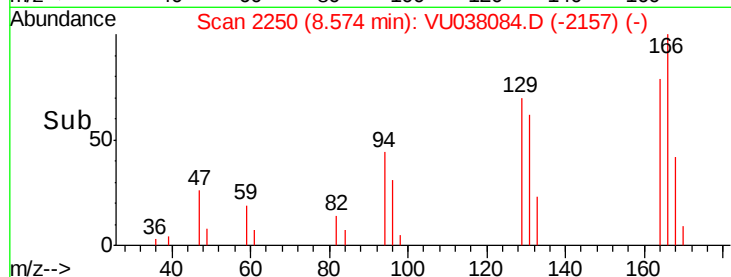
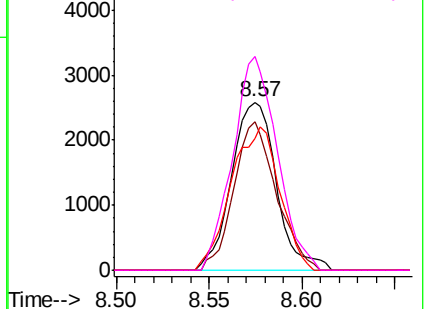


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.832 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038084.D

Acq: 08 May 2020 15:29

Tgt Ion: 43 Resp: 29224

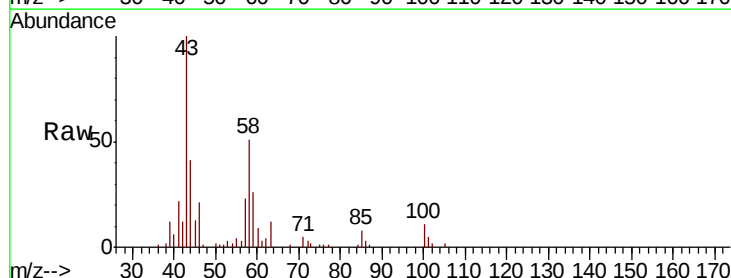
Ion Ratio Lower Upper

43 100

58 51.0 45.2 67.8

57 22.6 15.5 23.3

100 9.1 9.5 14.3#

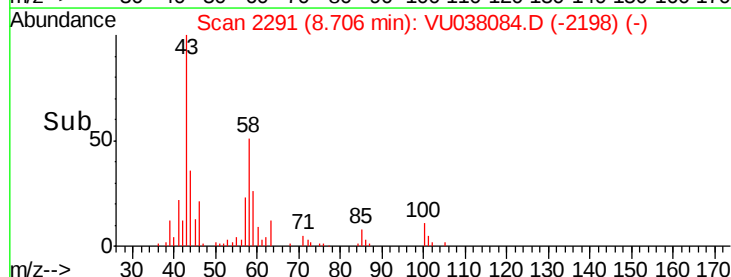
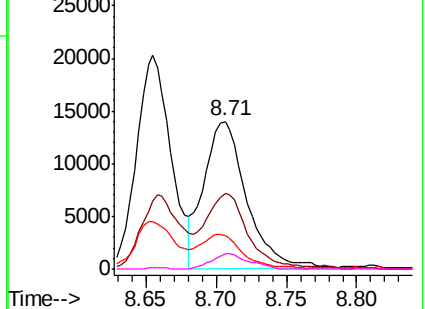


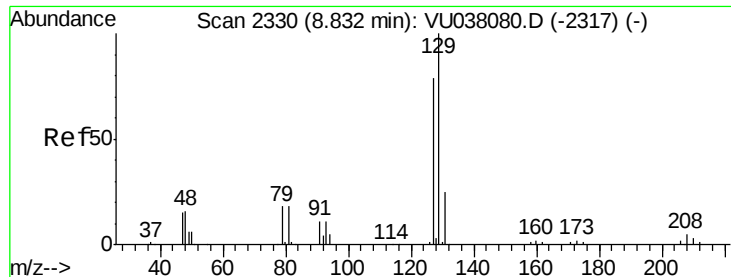
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.161 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038084.D

Acq: 08 May 2020 15:29

Instrument :

MSVOA_U

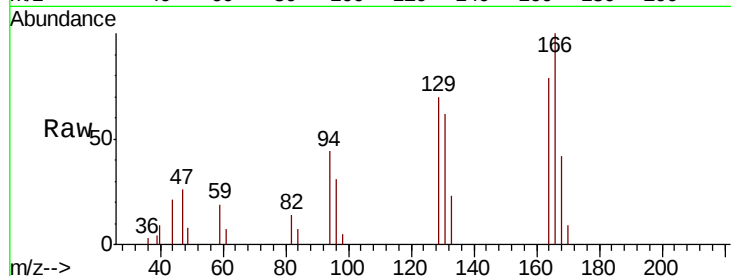
ClientSampled :

Tot Ion:129 Resp: 3644

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

8.57

2500

2000

1500

1000

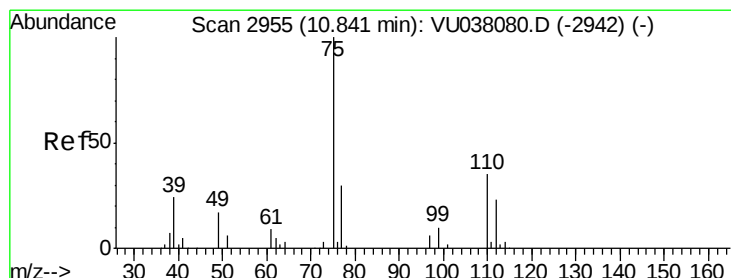
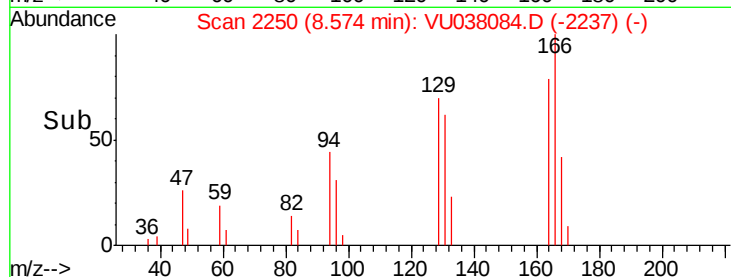
500

0

8.55

8.60

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.089 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038084.D

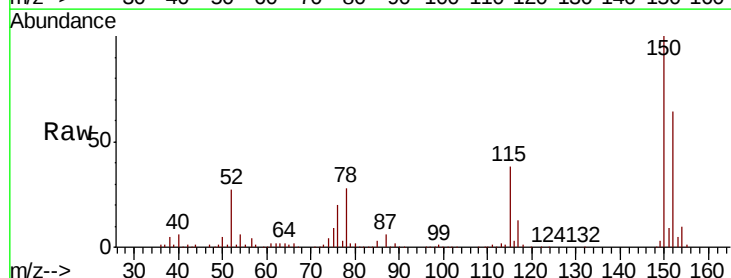
Acq: 08 May 2020 15:29

Tgt Ion: 75 Resp: 22973

Ion Ratio Lower Upper

75 100

77 37.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.83

15000

10000

5000

0

11.75

11.80

11.85

Time-->

