

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050820\
 Data File : VU038086.D
 Acq On : 08 May 2020 16:16
 Operator : JC/MD
 Sample : L2528-02DL 8X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 09 00:13:33 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	341970	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	343674	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	175664	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	136328	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.89	69	99670	3.68	ug/L	-0.04
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.60%
11) 1,1-Dichloroethene-d2	2.58	63	172634	3.30	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	4.66	46	306943	39.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.54%
24) Chloroform-d	5.10	84	181543	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.40%
26) 1,2-Dichloroethane-d4	5.73	65	129057	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.76	84	498016	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.72	67	157259	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.92	98	443245	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	8.20	79	56569	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.66	63	356642	56.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.44%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	140080	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	170280	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

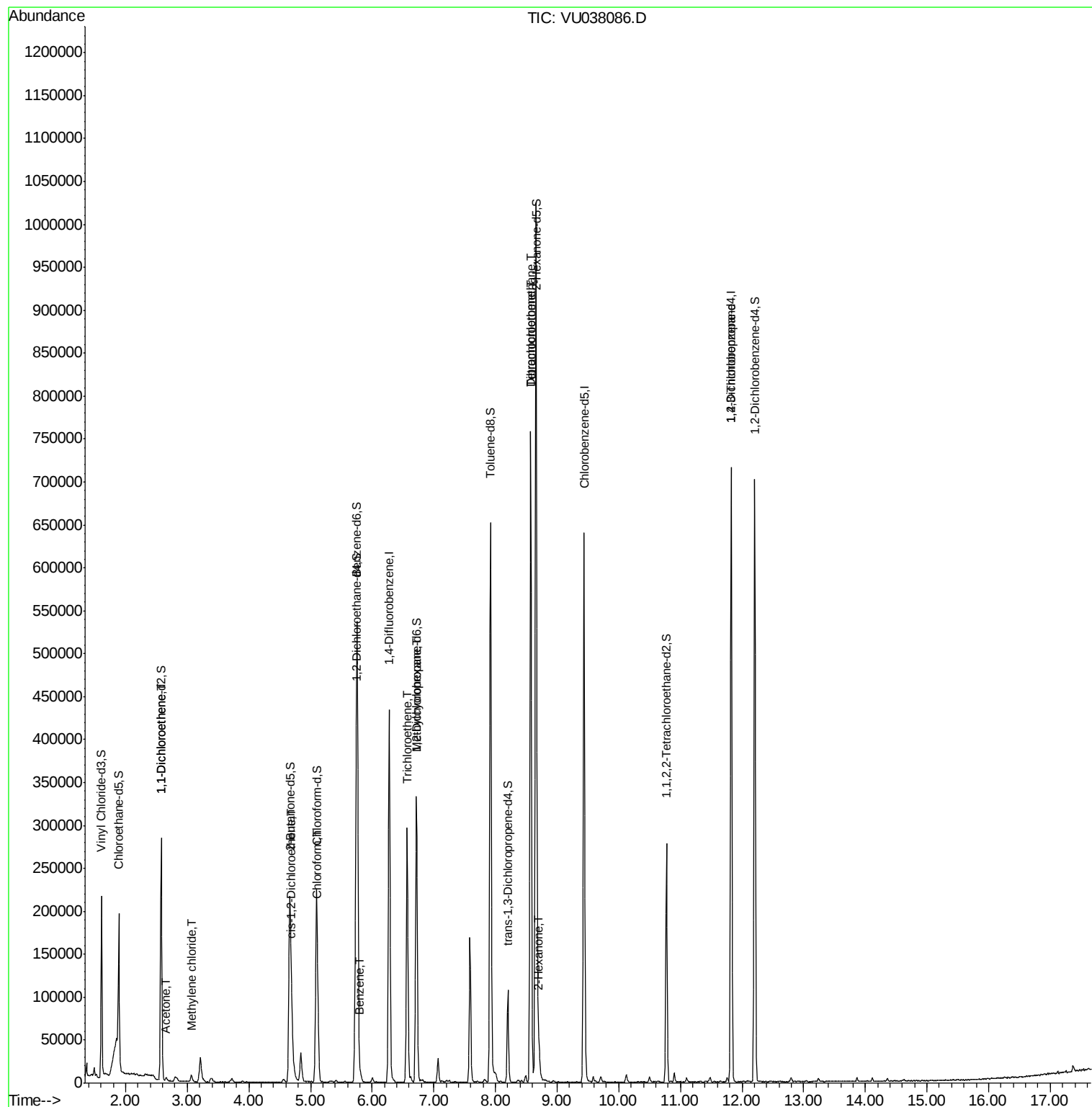
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.58	96	1559	0.066	ug/L #	1
13) Acetone	2.66	43	4814	0.994	ug/L	96
16) Methylene chloride	3.07	84	3470	0.125	ug/L	92
22) cis-1,2-Dichloroethene	4.70	96	3936	0.141	ug/L	90
25) Chloroform	5.12	83	42140	0.893	ug/L	98
33) Benzene	5.80	78	9113	0.083	ug/L	100
34) Trichloroethene	6.57	95	99417	3.612	ug/L	98
35) Methylcyclohexane	6.72	83	34626	0.777	ug/L #	16
47) Tetrachloroethene	8.57	164	165599	8.601	ug/L	99
48) 2-Hexanone	8.71	43	20153	1.328	ug/L #	91
49) Dibromochloromethane	8.57	129	163821	7.604	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	25315	1.262	ug/L	94

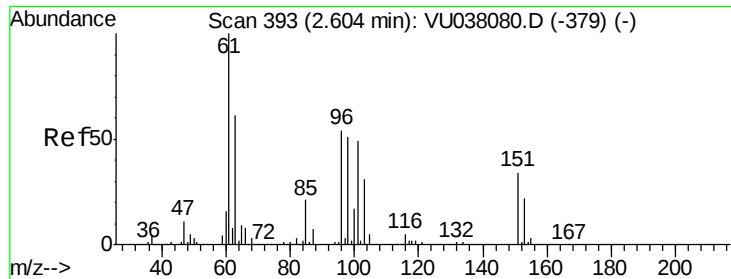
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.066 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.02 min

Lab File: VU038086.D

Acq: 08 May 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

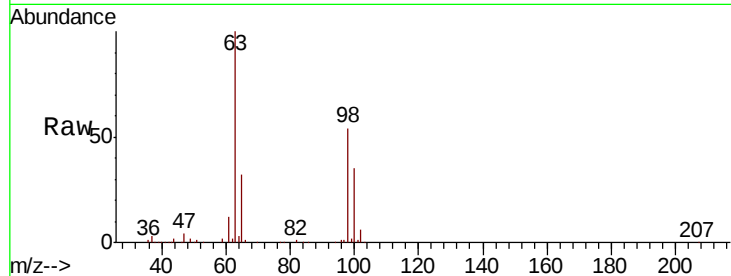
Tot Ion: 96 Resp: 1559

Ion Ratio Lower Upper

96 100

61 1205.9 126.2 234.4#

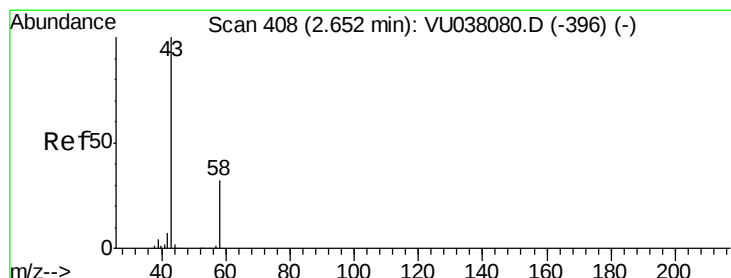
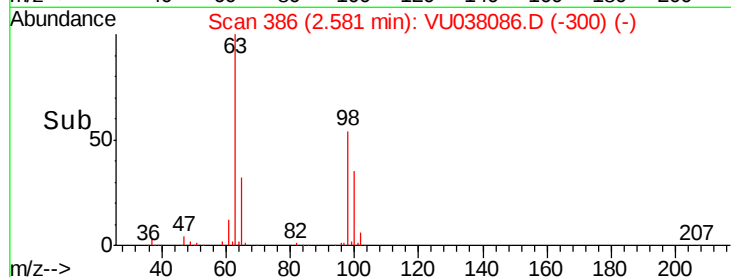
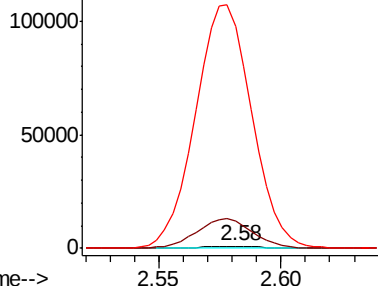
63 9975.8 96.9 179.9#



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) (-)



#13

Acetone

Concen: 0.994 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU038086.D

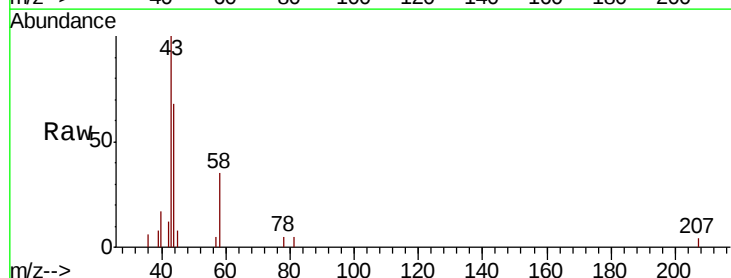
Acq: 08 May 2020 16:16

Tgt Ion: 43 Resp: 4814

Ion Ratio Lower Upper

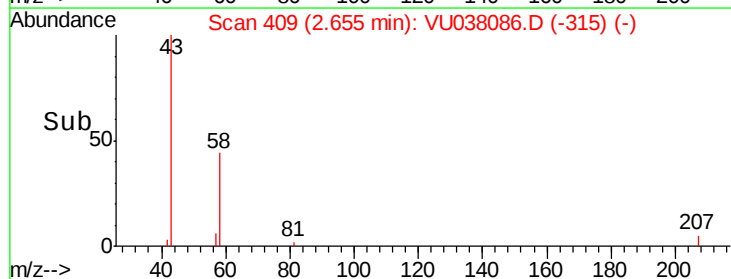
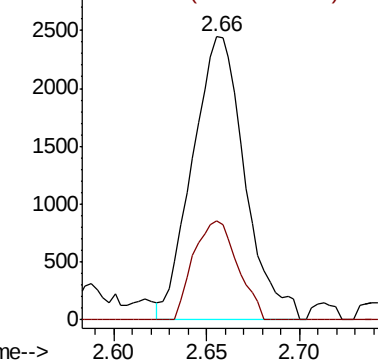
43 100

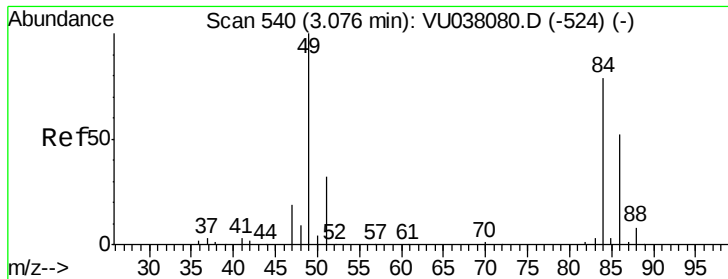
58 29.4 0.0 63.6



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

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

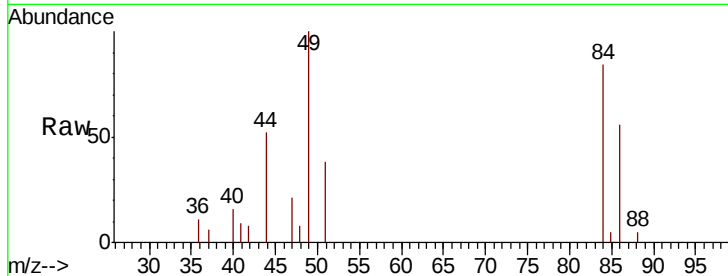




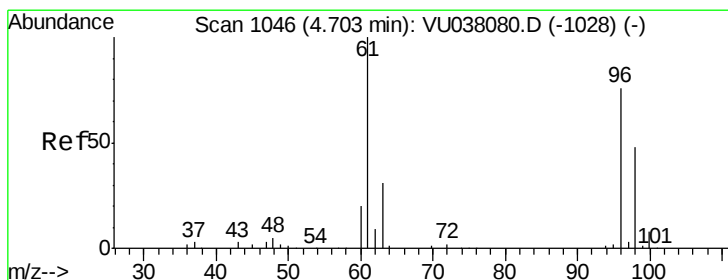
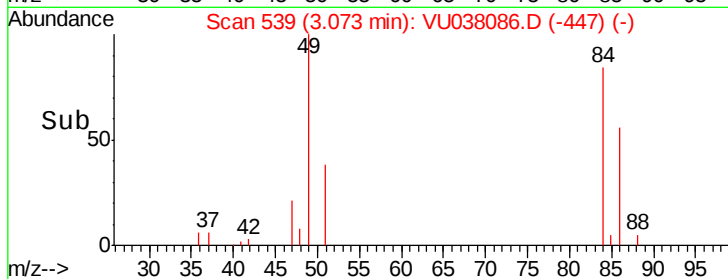
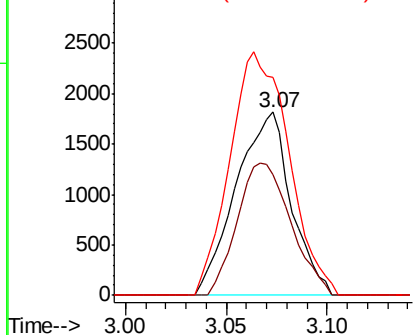
#16
Methylene chloride
Concen: 0.125 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU038086.D
Acq: 08 May 2020 16:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 3470
Ion Ratio Lower Upper
84 100
86 66.1 44.9 83.3
49 118.6 92.0 170.9

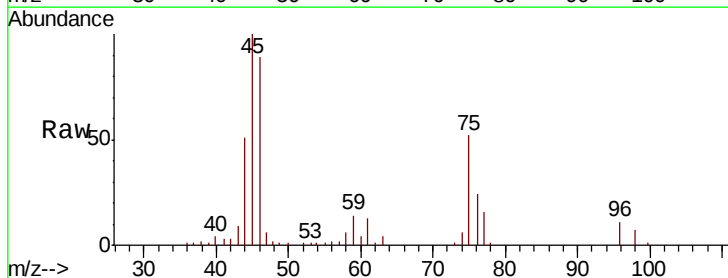


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

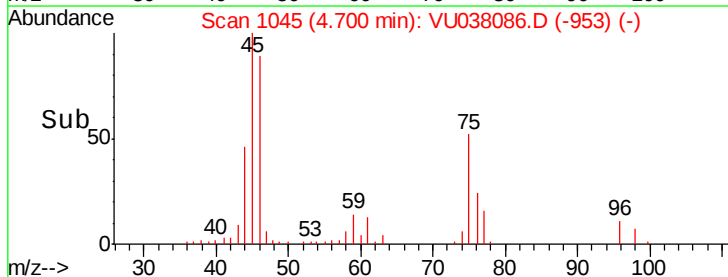
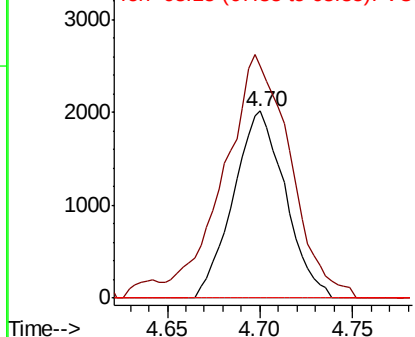


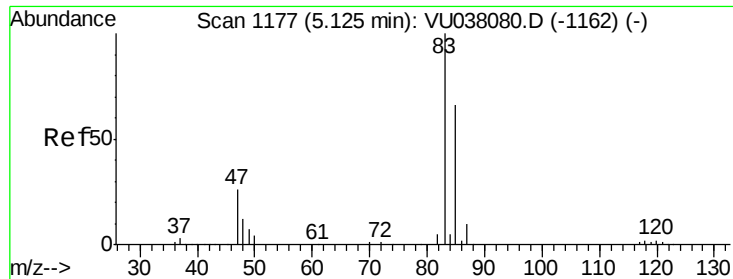
#22
cis-1,2-Dichloroethene
Concen: 0.141 ug/L
RT: 4.70 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VU038086.D
Acq: 08 May 2020 16:16

Tgt Ion: 96 Resp: 3936
Ion Ratio Lower Upper
96 100
61 124.6 95.3 176.9
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0

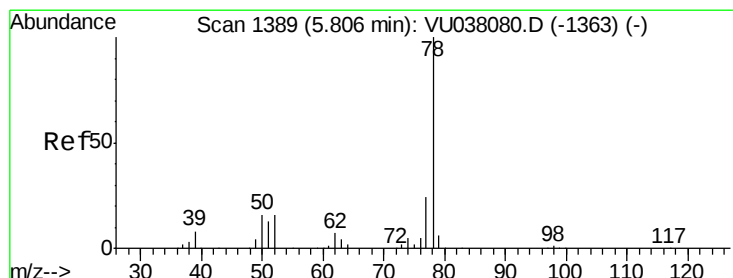
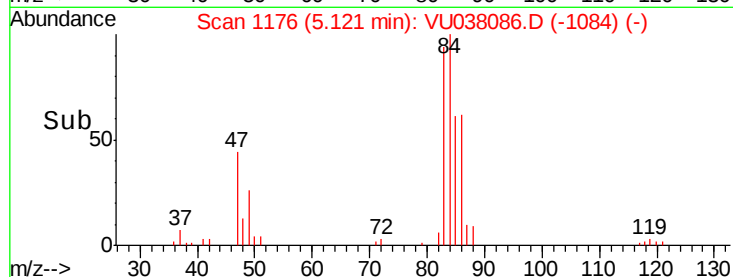
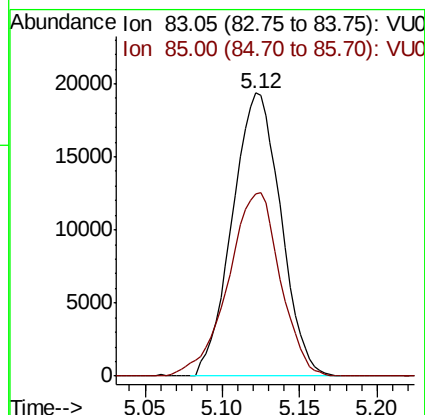
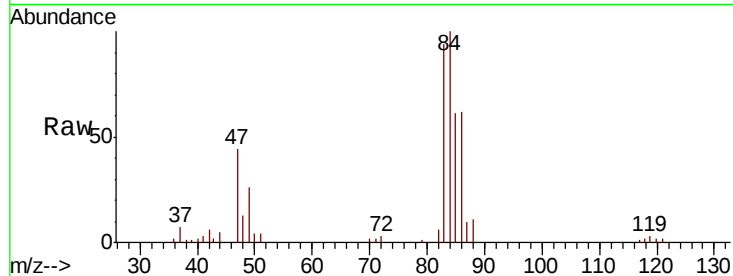




#25
Chloroform
Concen: 0.893 ug/L
RT: 5.12 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VU038086.D
Acq: 08 May 2020 16:16

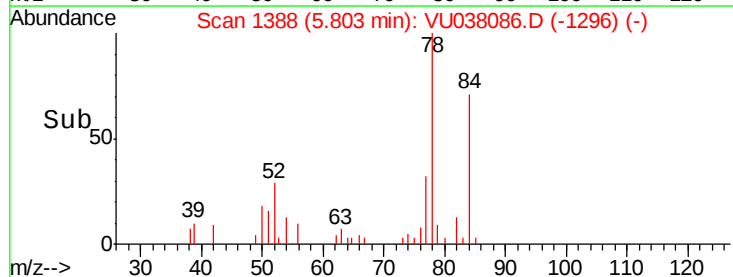
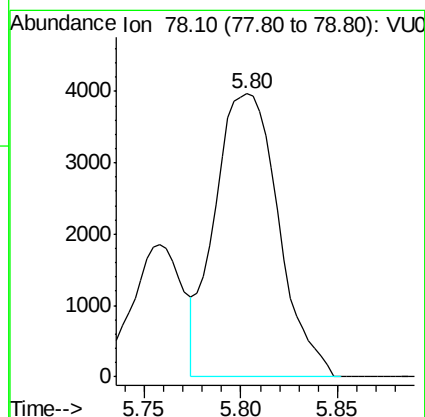
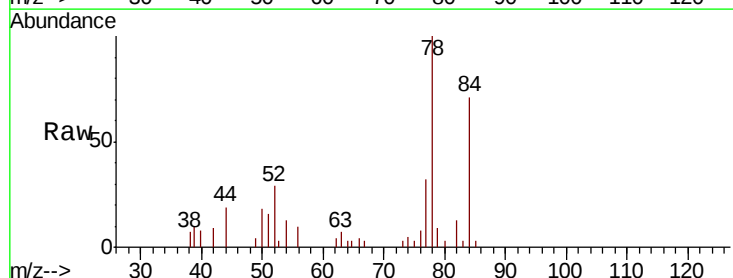
Instrument :
MSVOA_U
ClientSampled :

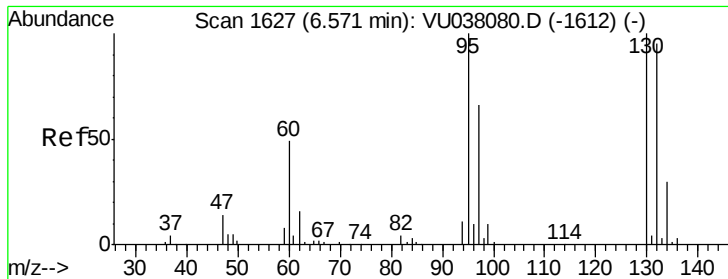
Tot Ion: 83 Resp: 42140
Ion Ratio Lower Upper
83 100
85 64.5 46.2 85.8



#33
Benzene
Concen: 0.083 ug/L
RT: 5.80 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VU038086.D
Acq: 08 May 2020 16:16

Tgt Ion: 78 Resp: 9113





#34

Trichloroethene

Concen: 3.612 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VU038086.D

Acq: 08 May 2020 16:16

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 99417

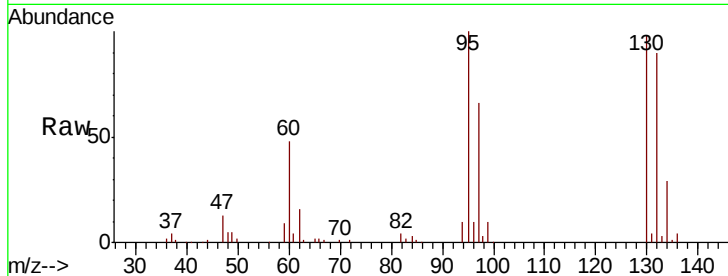
Ion Ratio Lower Upper

95 100

97 65.7 44.9 83.3

132 90.1 63.3 117.5

130 97.6 65.7 122.1

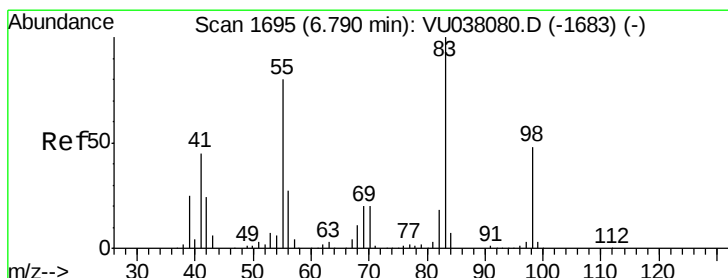
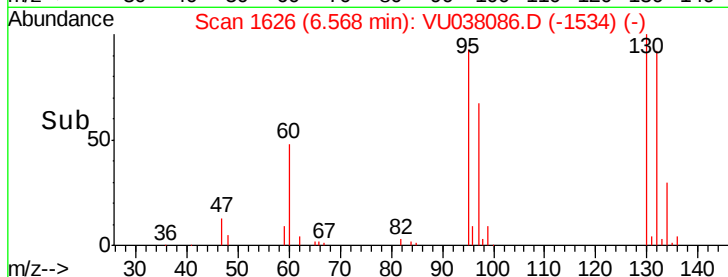
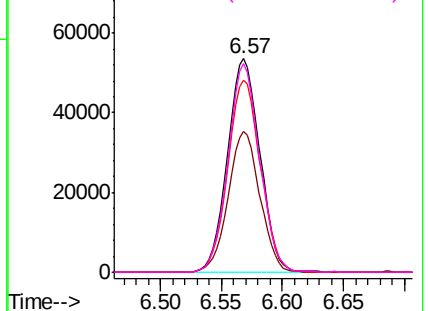


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.777 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038086.D

Acq: 08 May 2020 16:16

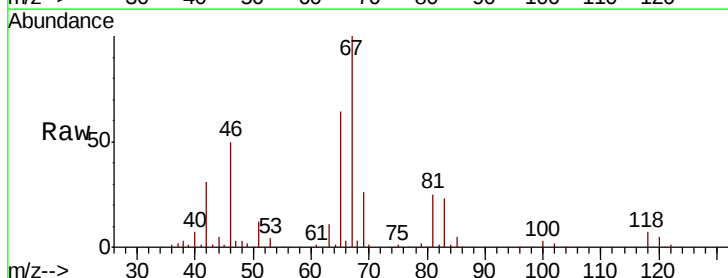
Tgt Ion: 83 Resp: 34626

Ion Ratio Lower Upper

83 100

55 0.4 66.7 100.1#

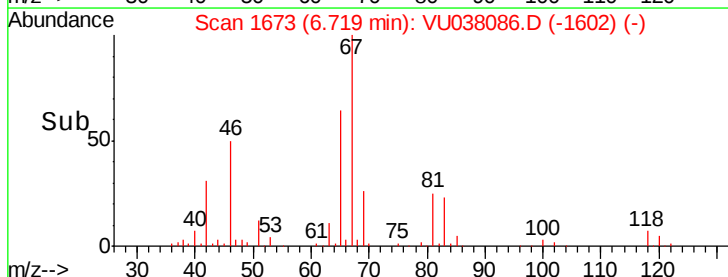
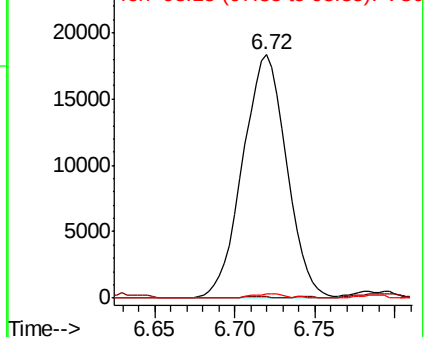
98 1.2 39.4 59.2#

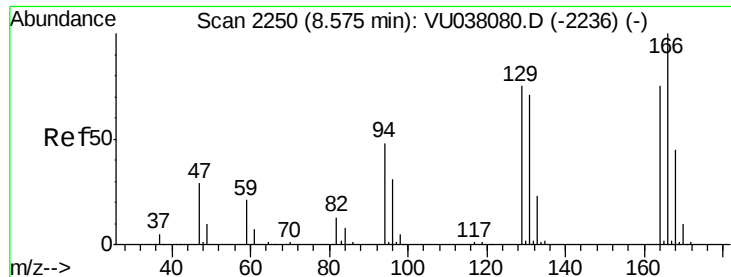


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#47

Tetrachloroethene

Concen: 8.601 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038086.D

Acq: 08 May 2020 16:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 165599

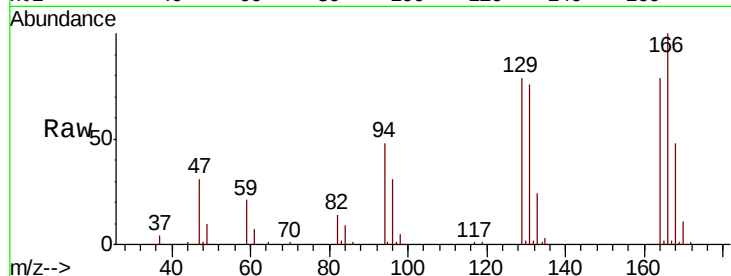
Ion Ratio Lower Upper

164 100

129 99.7 68.8 127.8

131 96.0 66.8 124.2

166 126.2 88.9 165.1

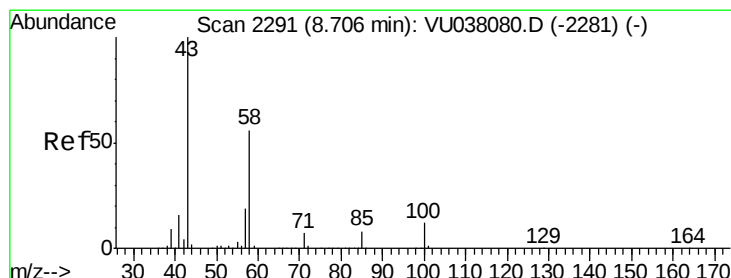
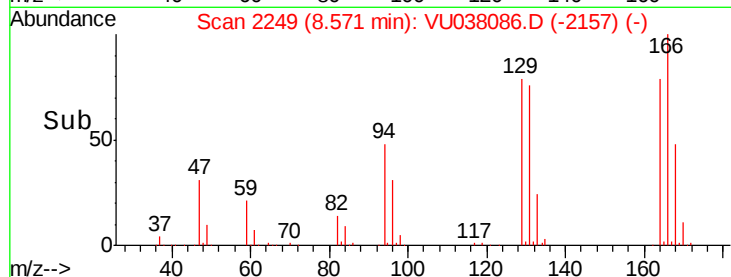
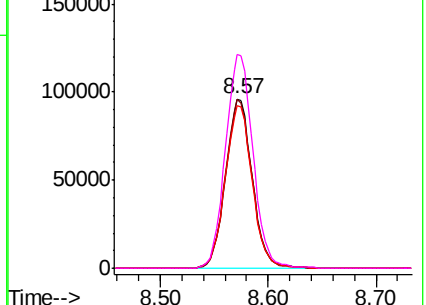


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 1.328 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038086.D

Acq: 08 May 2020 16:16

Tgt Ion: 43 Resp: 20153

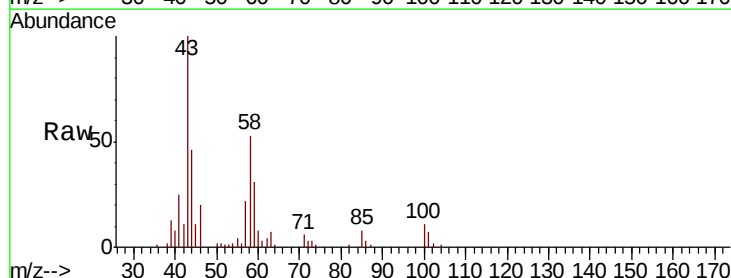
Ion Ratio Lower Upper

43 100

58 61.0 45.2 67.8

57 27.1 15.5 23.3#

100 9.2 9.5 14.3#

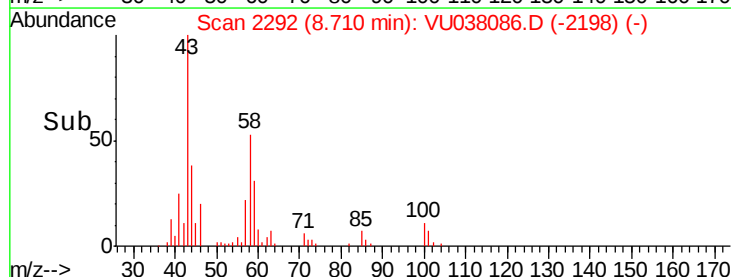
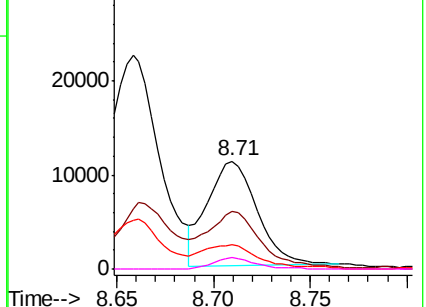


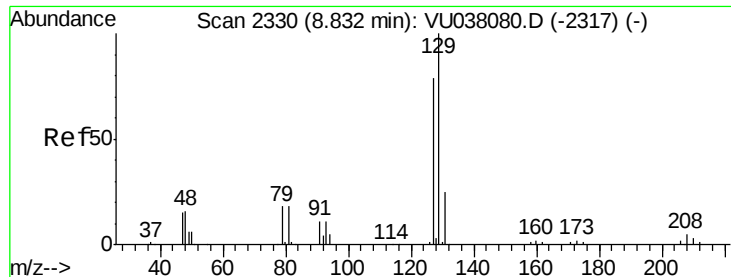
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 7.604 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU038086.D

Acq: 08 May 2020 16:16

Instrument :

MSVOA_U

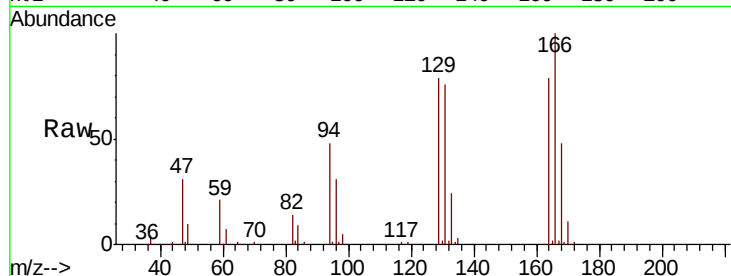
ClientSampled :

Tot Ion:129 Resp: 163821

Ion Ratio Lower Upper

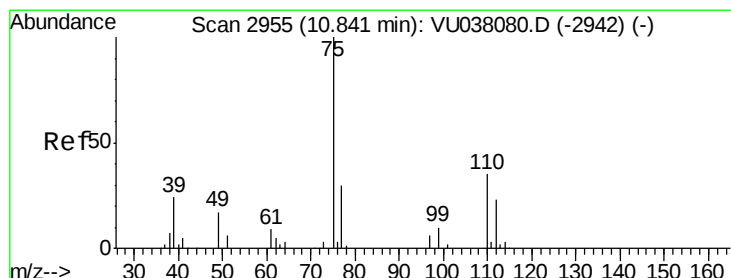
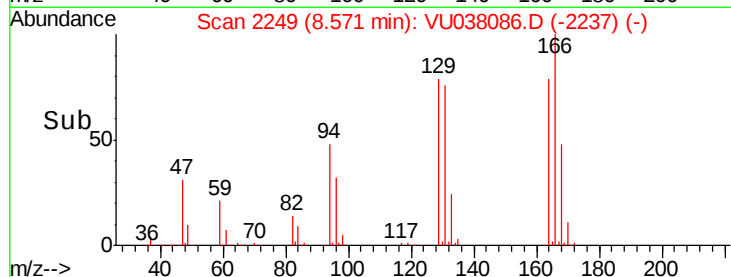
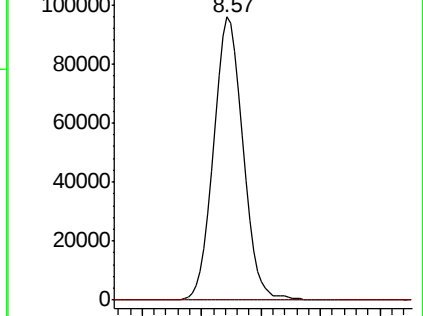
129 100

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: 1.262 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038086.D

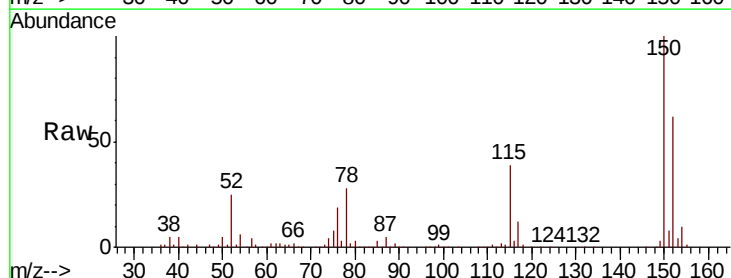
Acq: 08 May 2020 16:16

Tgt Ion: 75 Resp: 25315

Ion Ratio Lower Upper

75 100

77 35.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

