

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\
 Data File : VU038137.D
 Acq On : 13 May 2020 12:38
 Operator : JC/MD
 Sample : L2599-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 14 01:13:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 01:11:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	385880	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	370754	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	181998	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	134192	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.93	69	110718	3.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.60%
11) 1,1-Dichloroethene-d2	2.59	63	162295	2.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.00%#
20) 2-Butanone-d5	4.68	46	372203	42.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.48%
24) Chloroform-d	5.10	84	194357	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.60%
26) 1,2-Dichloroethane-d4	5.74	65	116281	3.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.80%
32) Benzene-d6	5.76	84	426678	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.80%
36) 1,2-Dichloropropane-d6	6.72	67	134687	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.20%
41) Toluene-d8	7.92	98	383927	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.00%
43) trans-1,3-Dichloropropene-	8.20	79	54543	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.66	63	280239	41.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.64%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	109809	3.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	140763	3.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.40%#

Target Compounds

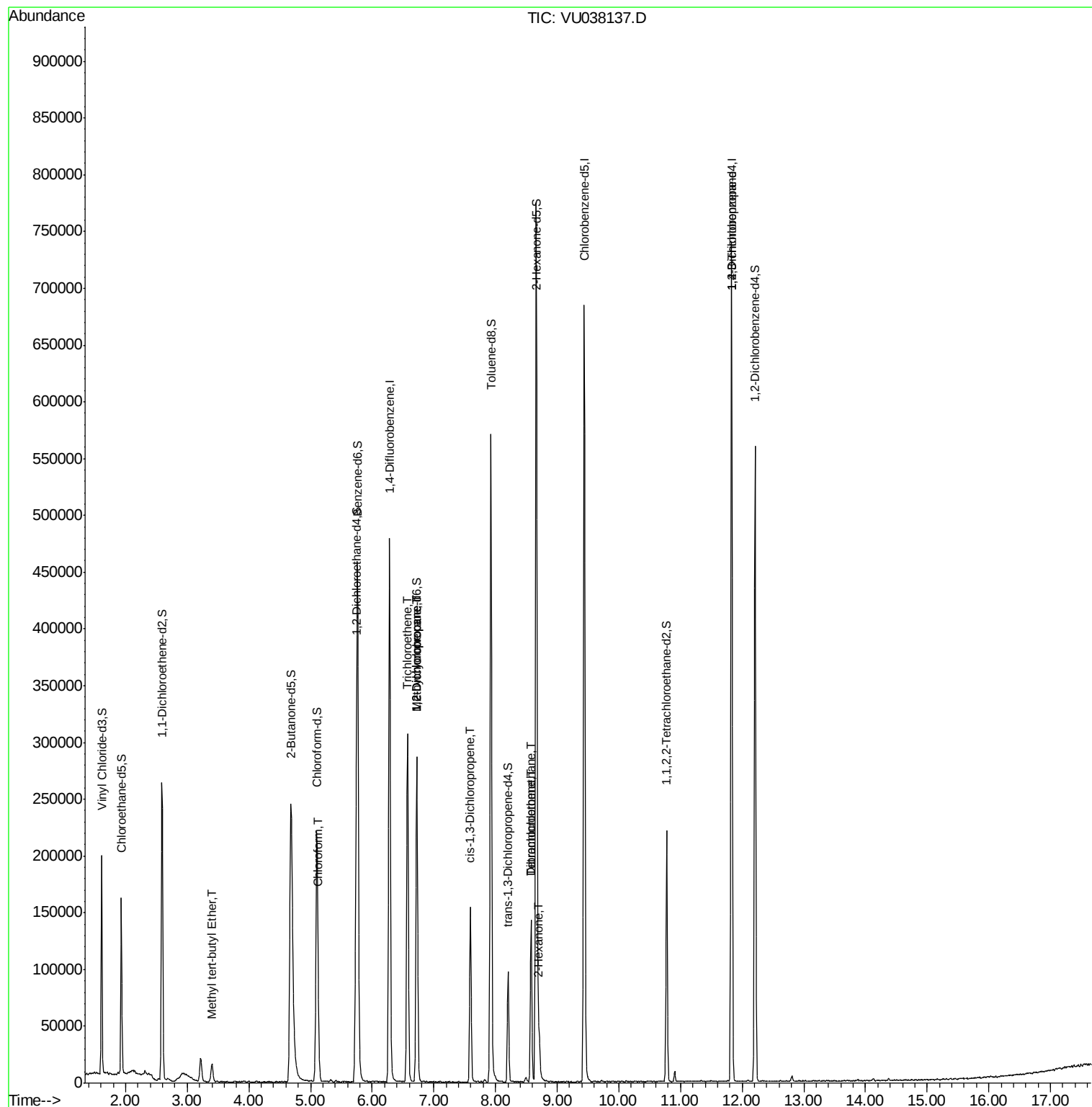
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
17) Methyl tert-butyl Ether	3.40	73	17862	0.240	ug/L	99
25) Chloroform	5.13	83	26445	0.497	ug/L	94
34) Trichloroethene	6.57	95	106243	3.578	ug/L	97
35) Methylcyclohexane	6.72	83	30363	0.631	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	13694	0.425	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3499	0.076	ug/L #	68
47) Tetrachloroethene	8.58	164	31494	1.516	ug/L	97
48) 2-Hexanone	8.71	43	17607	1.076	ug/L #	96
49) Dibromochloromethane	8.57	129	28959	1.246	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	24317	1.123	ug/L	92

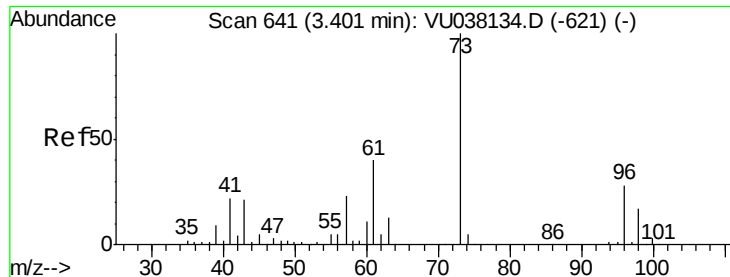
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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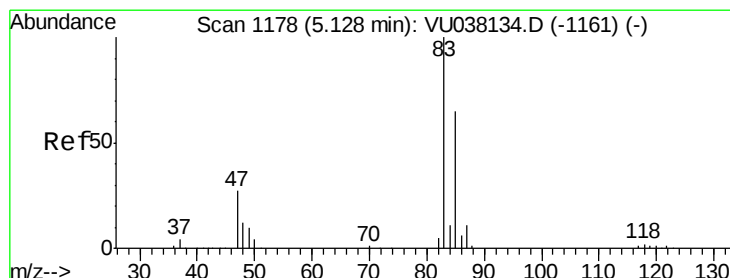
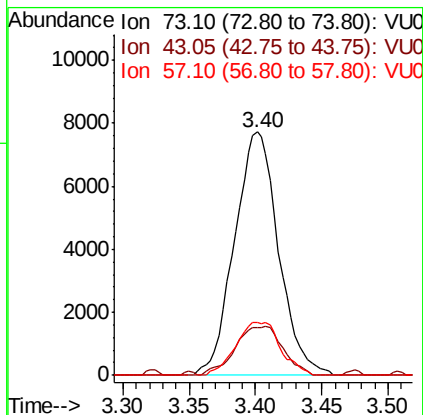
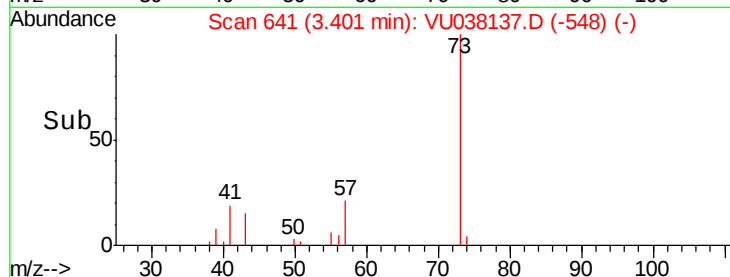
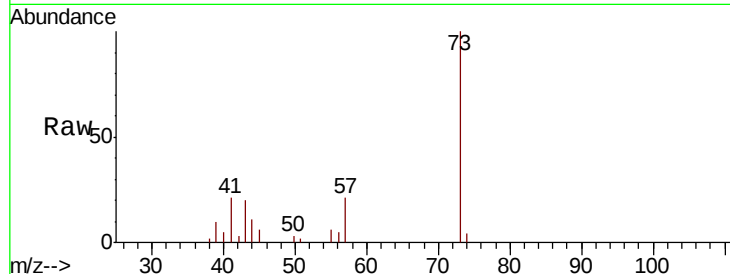




#17
Methvl tert-butvl Ether
Concen: 0.240 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038137.D
Acq: 13 May 2020 12:38

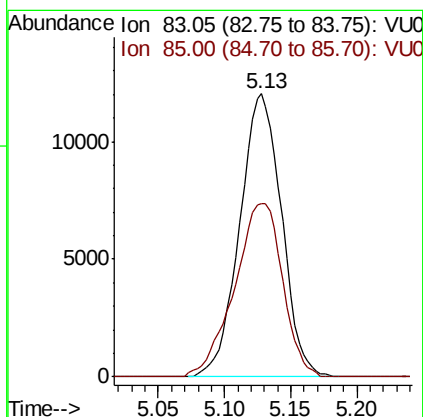
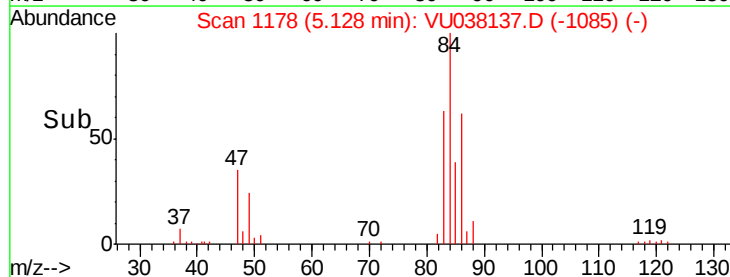
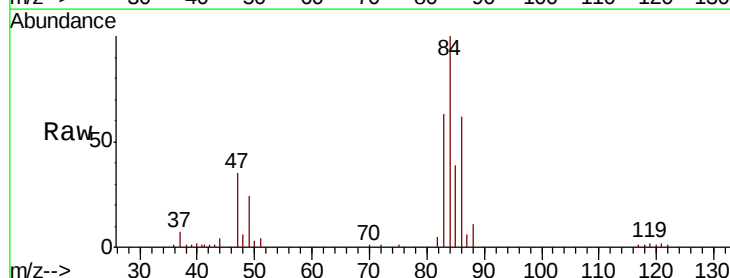
Instrument :
MSVOA_U
ClientSampleId :

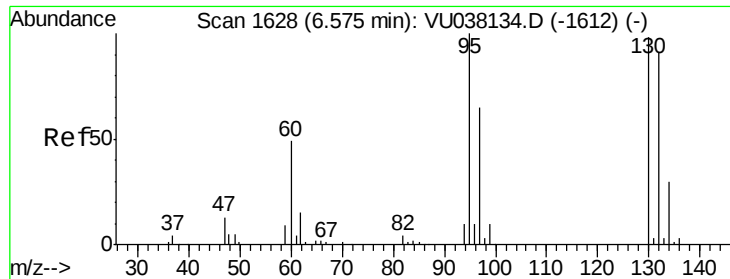
Tot Ion: 73 Resp: 17862
Ion Ratio Lower Upper
73 100
43 21.7 16.9 25.3
57 22.2 18.2 27.2



#25
Chloroform
Concen: 0.497 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038137.D
Acq: 13 May 2020 12:38

Tgt Ion: 83 Resp: 26445
Ion Ratio Lower Upper
83 100
85 61.3 46.2 85.8





#34

Trichloroethene

Concen: 3.578 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU038137.D

Acq: 13 May 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 106243

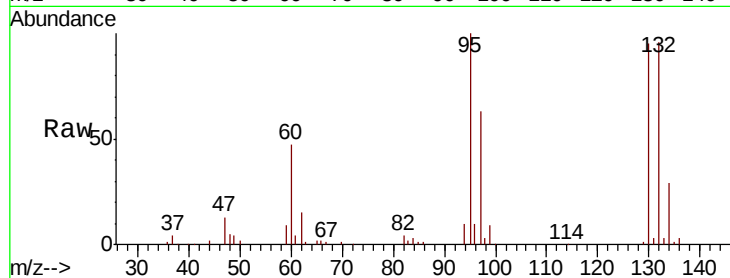
Ion Ratio Lower Upper

95 100

97 63.4 44.9 83.3

132 96.4 63.3 117.5

130 94.9 65.7 122.1

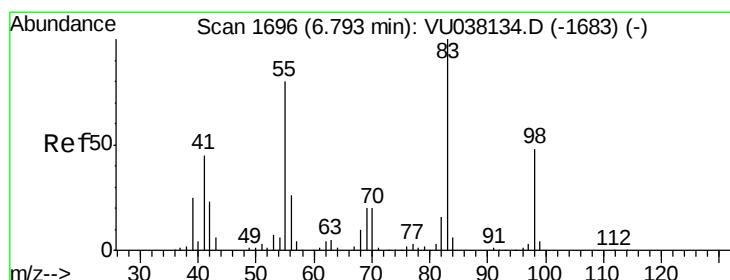
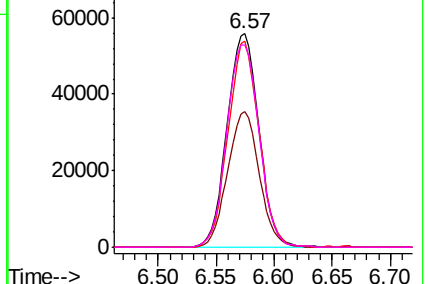
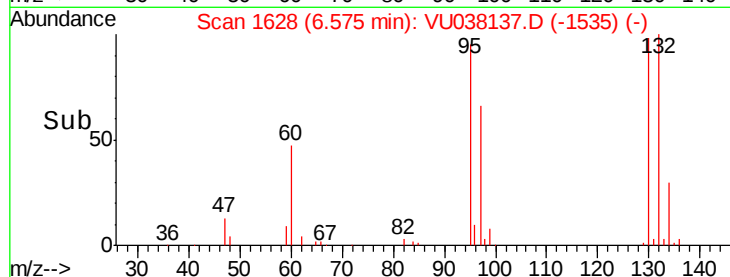


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.631 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU038137.D

Acq: 13 May 2020 12:38

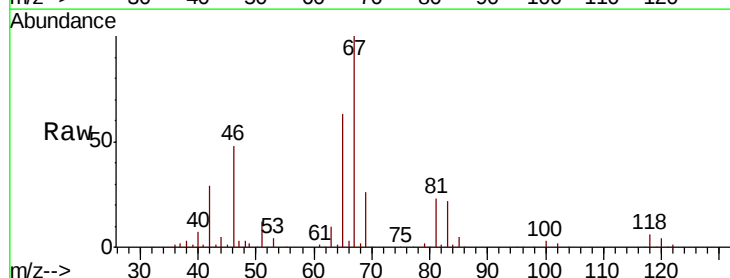
Tgt Ion: 83 Resp: 30363

Ion Ratio Lower Upper

83 100

55 0.3 66.7 100.1#

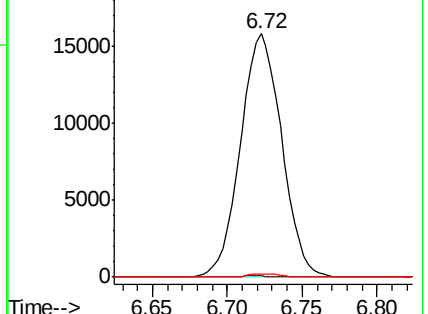
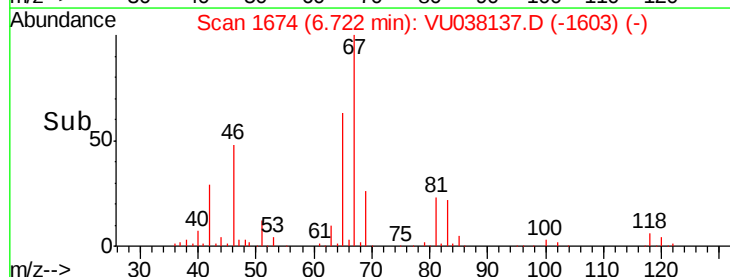
98 1.1 39.4 59.2#

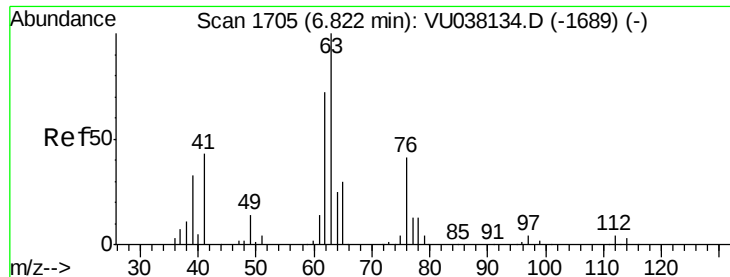


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

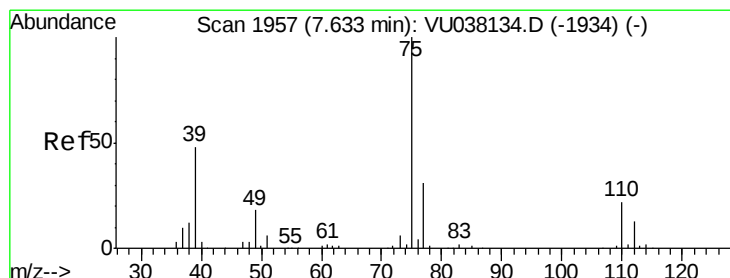
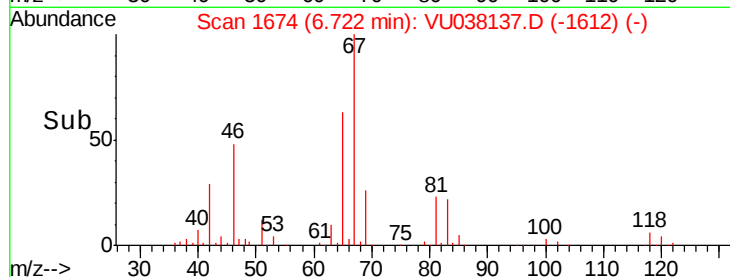
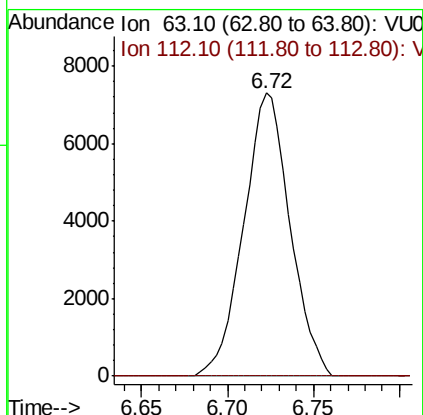
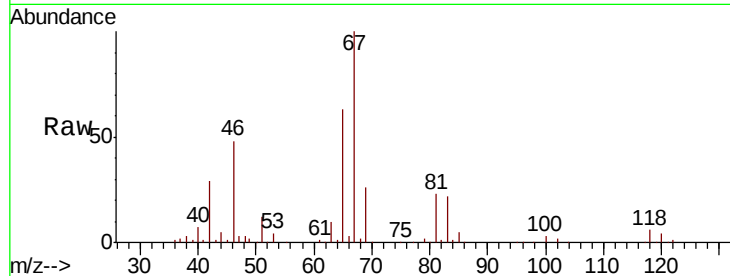




#37
 1,2-Dichloropropane
 Concen: 0.425 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038137.D
 Acq: 13 May 2020 12:38

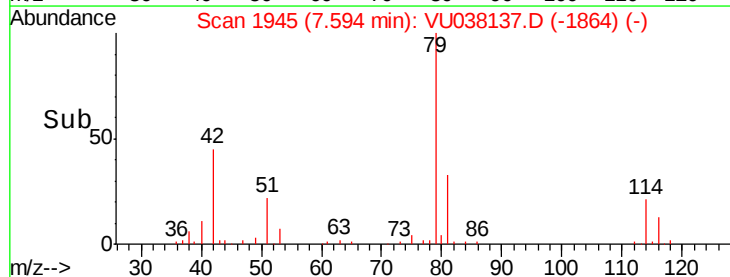
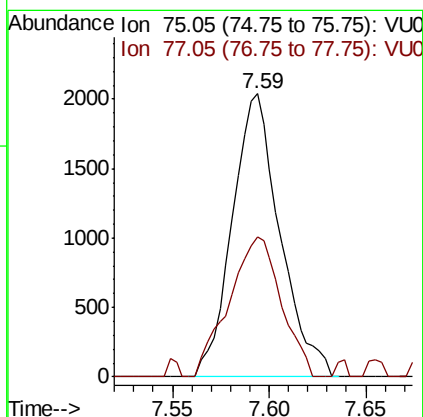
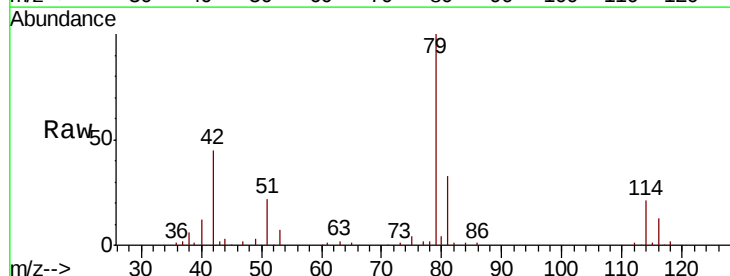
Instrument :
 MSVOA_U
 ClientSampled :

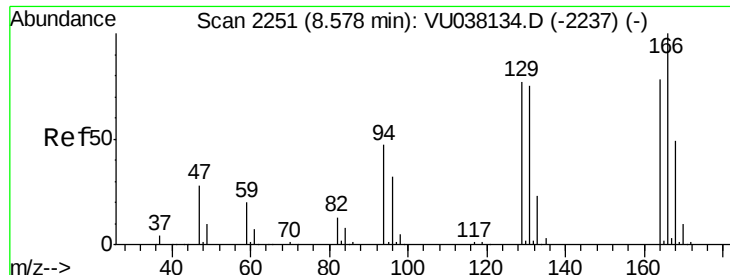
Tot Ion: 63 Resp: 13694
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038137.D
 Acq: 13 May 2020 12:38

Tgt Ion: 75 Resp: 3499
 Ion Ratio Lower Upper
 75 100
 77 49.7 22.4 41.6#





#47

Tetrachloroethene

Concen: 1.516 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU038137.D

Acq: 13 May 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 31494

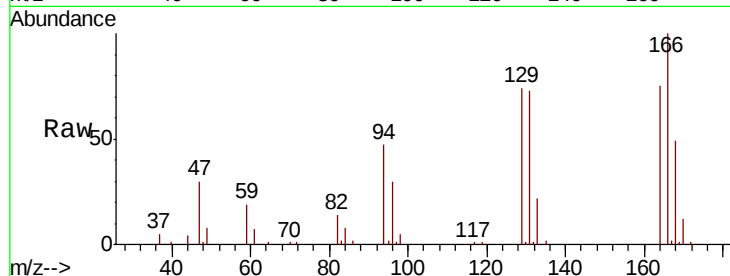
Ion Ratio Lower Upper

164 100

129 98.6 68.8 127.8

131 97.3 66.8 124.2

166 134.1 88.9 165.1

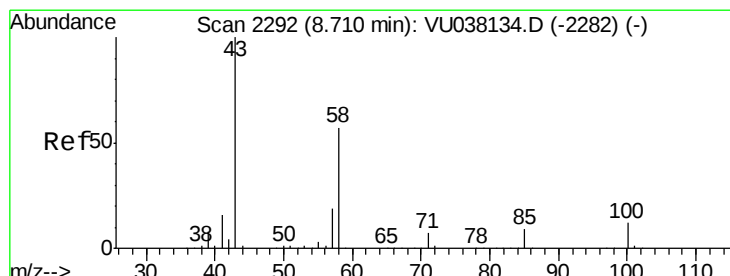
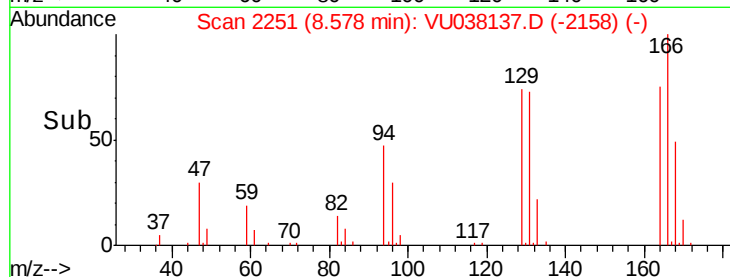
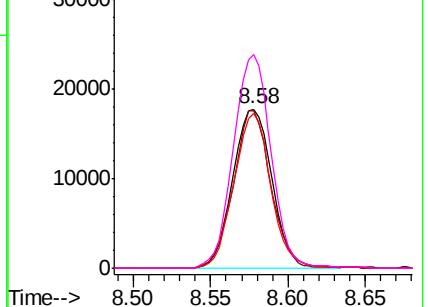


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.076 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU038137.D

Acq: 13 May 2020 12:38

Tgt Ion: 43 Resp: 17607

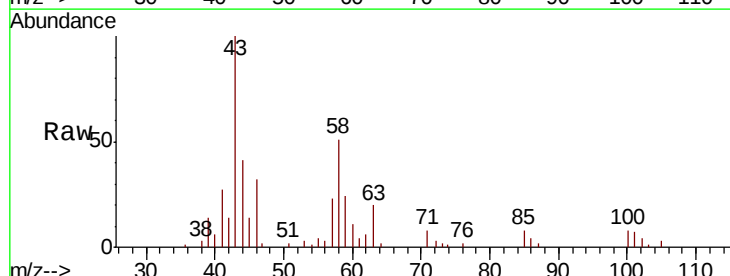
Ion Ratio Lower Upper

43 100

58 53.8 45.2 67.8

57 21.4 15.5 23.3

100 9.2 9.5 14.3#

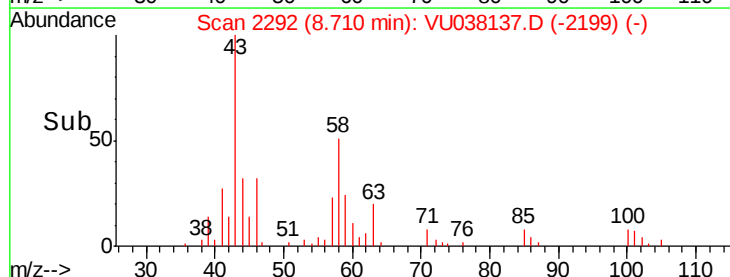
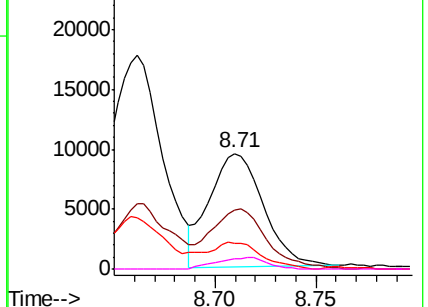


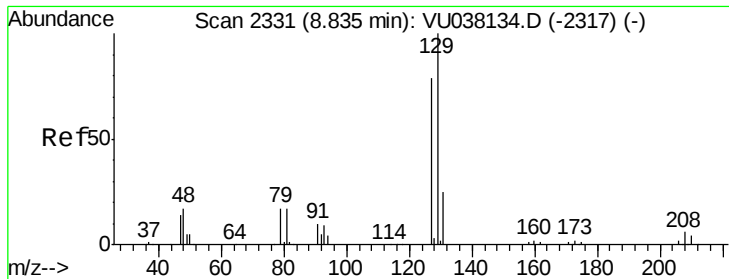
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 1.246 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038137.D

Acq: 13 May 2020 12:38

Instrument :

MSVOA_U

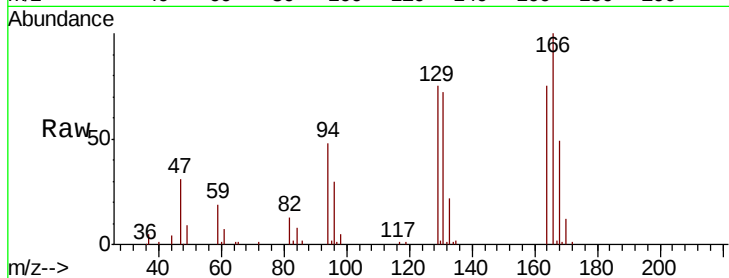
ClientSampled :

Tot Ion:129 Resp: 28959

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

20000

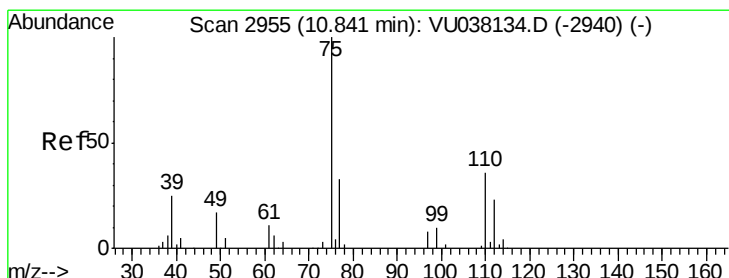
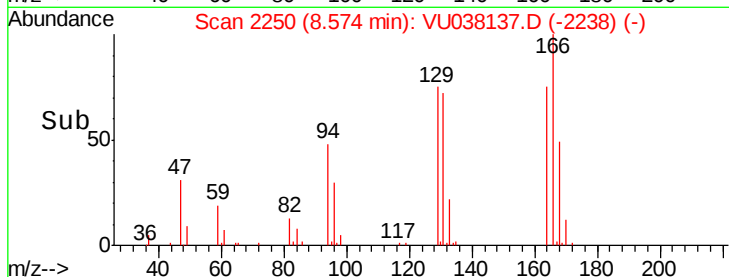
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 1.123 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU038137.D

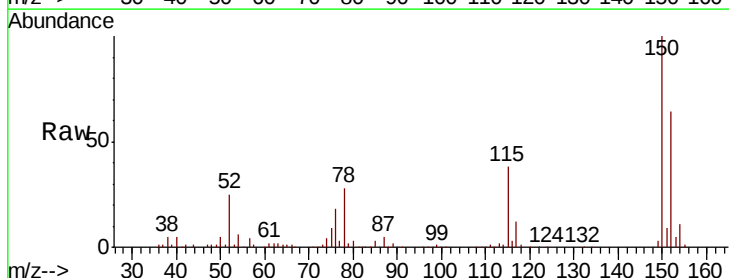
Acq: 13 May 2020 12:38

Tgt Ion: 75 Resp: 24317

Ion Ratio Lower Upper

75 100

77 35.9 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

Time--> 11.75 11.80 11.85 11.90

