

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\
 Data File : VU038214.D
 Acq On : 18 May 2020 12:53
 Operator : JC/MD
 Sample : L2657-05DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 18 22:25:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 18 22:23:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	410081	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	398776	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	188686	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	102289	2.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	54.60%
7) Chloroethane-d5	1.93	69	94170	2.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	58.00%#
11) 1,1-Dichloroethene-d2	2.59	63	127159	2.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	40.60%#
20) 2-Butanone-d5	4.68	46	393087	42.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.94%
24) Chloroform-d	5.10	84	182882	3.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	64.20%#
26) 1,2-Dichloroethane-d4	5.74	65	112883	3.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.20%#
32) Benzene-d6	5.76	84	372627	3.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	62.40%#
36) 1,2-Dichloropropane-d6	6.72	67	129715	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	67.20%
41) Toluene-d8	7.92	98	320377	2.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	59.60%#
43) trans-1,3-Dichloropropene-	8.20	79	48504	3.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.80%
46) 2-Hexanone-d5	8.66	63	290290	39.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.58%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	111743	3.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	129258	3.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	70.40%#

Target Compounds

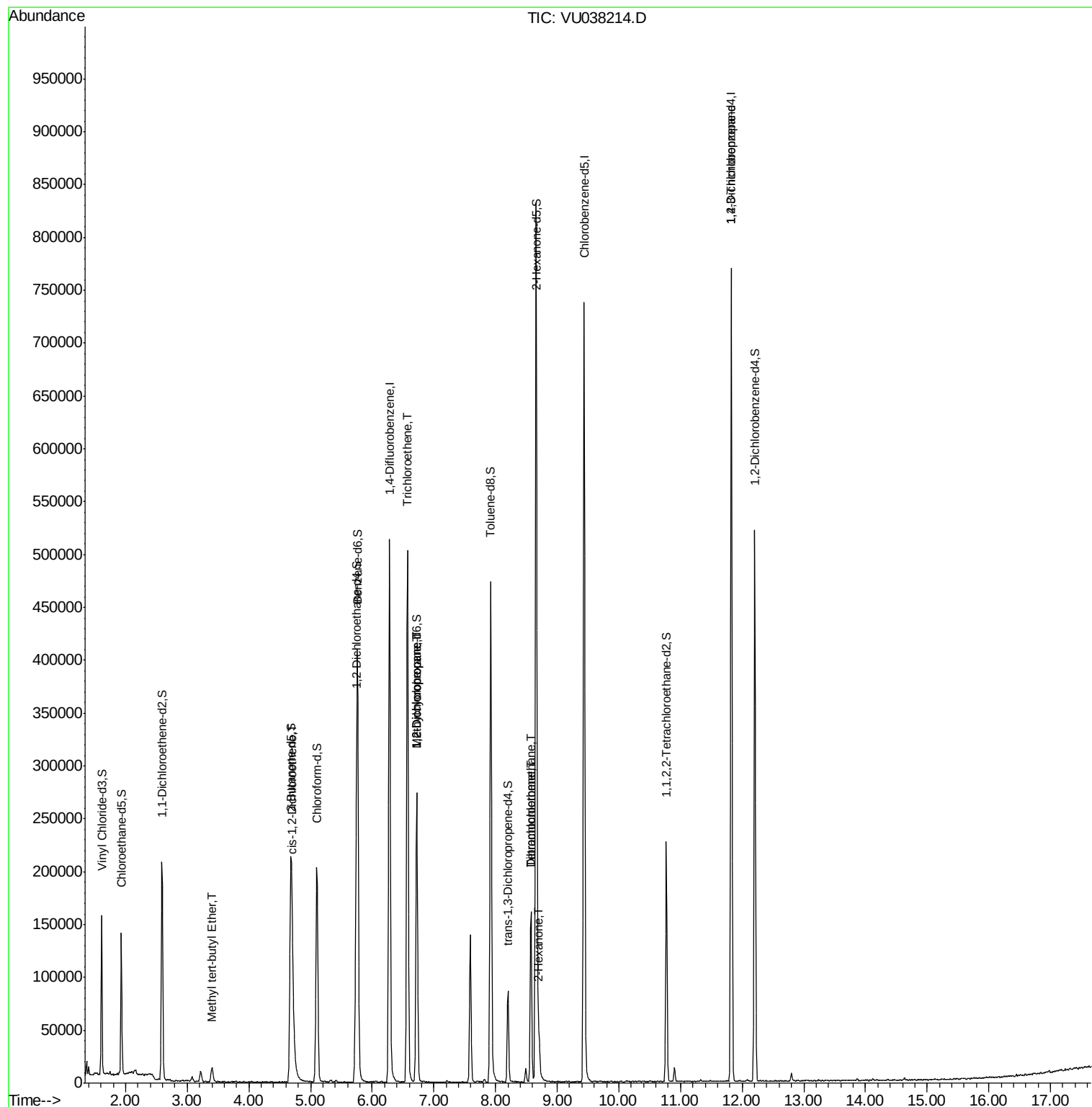
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
17) Methyl tert-butyl Ether	3.40	73	14209	0.180	ug/L	94
22) cis-1,2-Dichloroethene	4.71	96	6019	0.180	ug/L	80
34) Trichloroethene	6.57	95	168886	5.288	ug/L	99
35) Methylcyclohexane	6.72	83	28472	0.550	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	13808	0.398	ug/L #	88
47) Tetrachloroethene	8.57	164	35757	1.601	ug/L	96
48) 2-Hexanone	8.71	43	19505	1.108	ug/L	99
49) Dibromochloromethane	8.57	129	35542	1.422	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	26179	1.125	ug/L	92

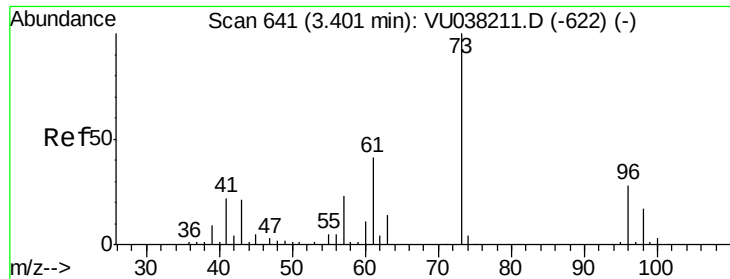
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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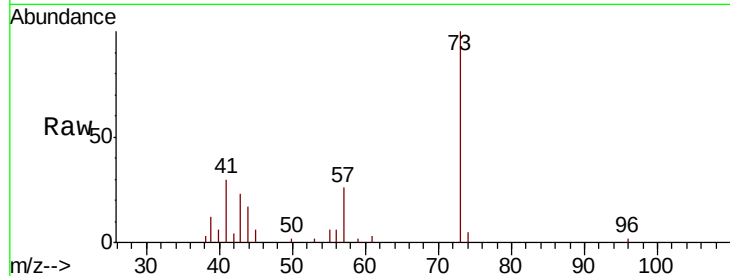




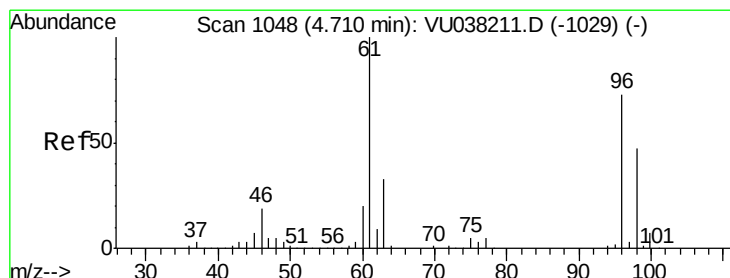
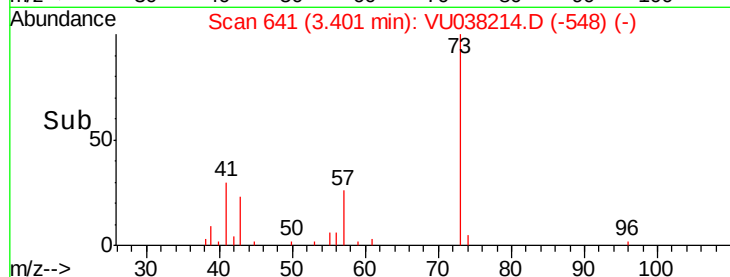
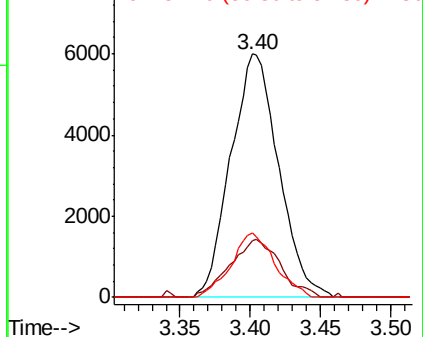
#17
Methyl tert-butyl Ether
Concen: 0.180 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038214.D
Acq: 18 May 2020 12:53

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 14209
Ion Ratio Lower Upper
73 100
43 25.0 16.9 25.3
57 24.2 18.2 27.2

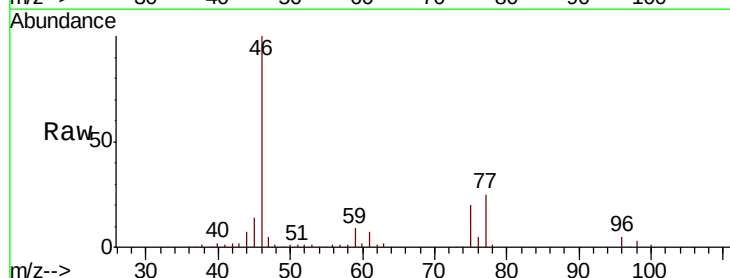


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

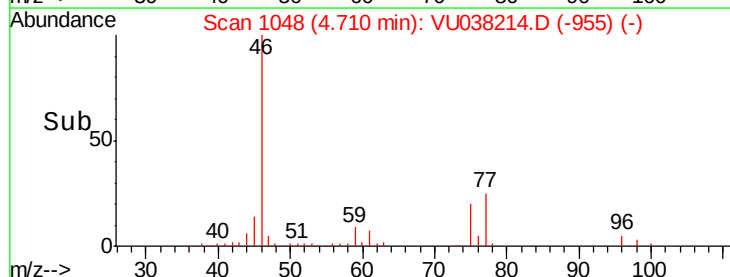
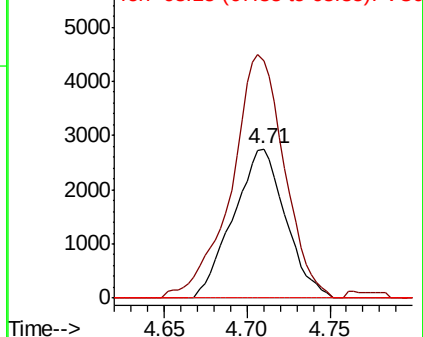


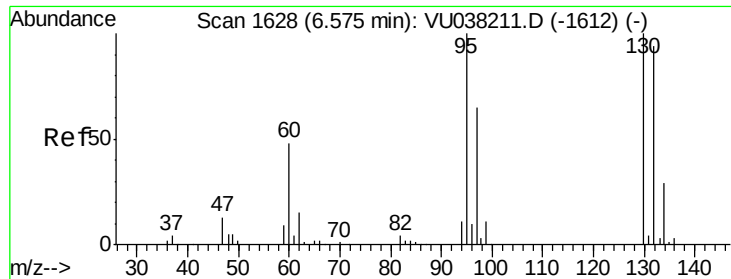
#22
cis-1,2-Dichloroethene
Concen: 0.180 ug/L
RT: 4.71 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU038214.D
Acq: 18 May 2020 12:53

Tgt Ion: 96 Resp: 6019
Ion Ratio Lower Upper
96 100
61 159.6 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

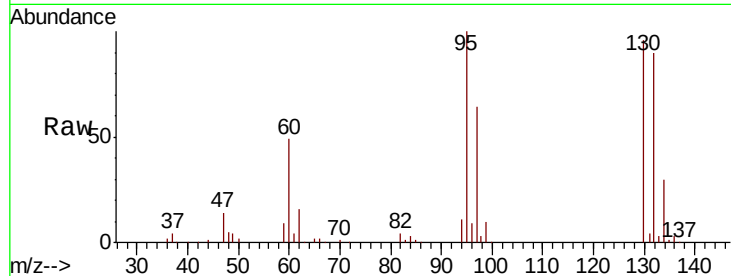




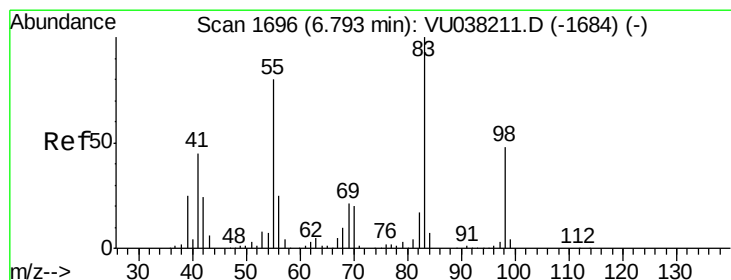
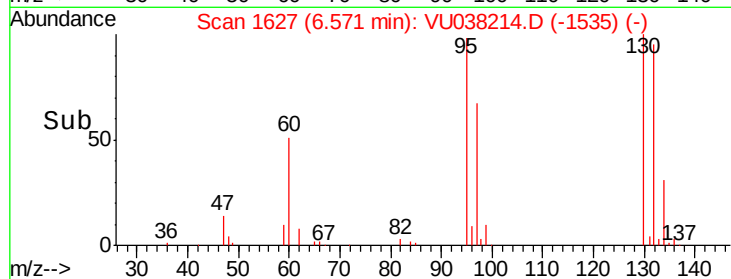
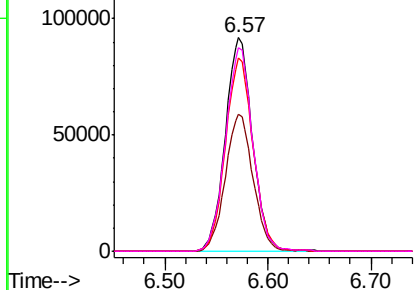
#34
 Trichloroethene
 Concen: 5.288 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038214.D
 Acq: 18 May 2020 12:53

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	168886
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.9	83.3
132	90.4	63.3	117.5
130	95.6	65.7	122.1

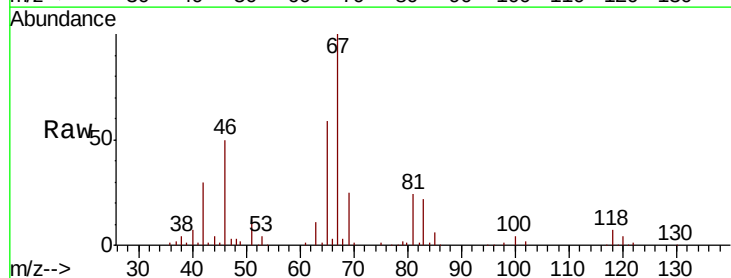


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

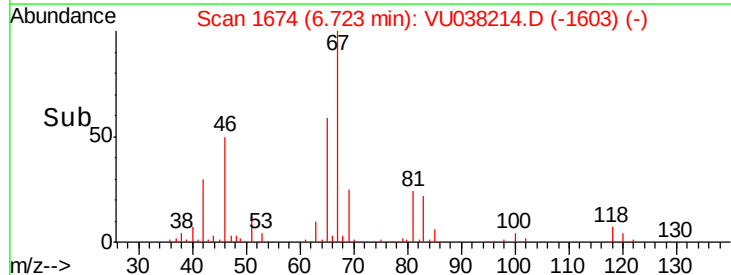
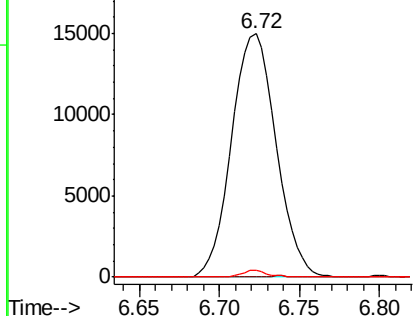


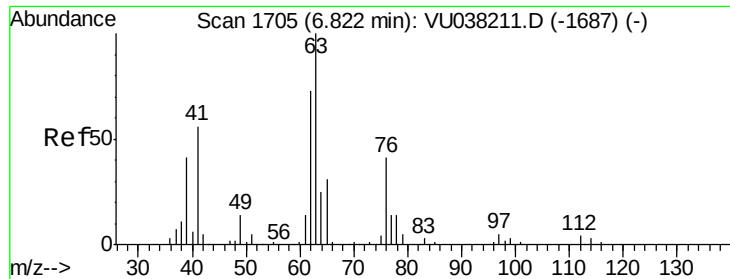
#35
 Methylcyclohexane
 Concen: 0.550 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU038214.D
 Acq: 18 May 2020 12:53

Tgt Ion:	83	Resp:	28472
Ion	Ratio	Lower	Upper
83	100		
55	0.1	66.7	100.1#
98	1.5	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: 0.398 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038214.D

Acq: 18 May 2020 12:53

Instrument :

MSVOA_U

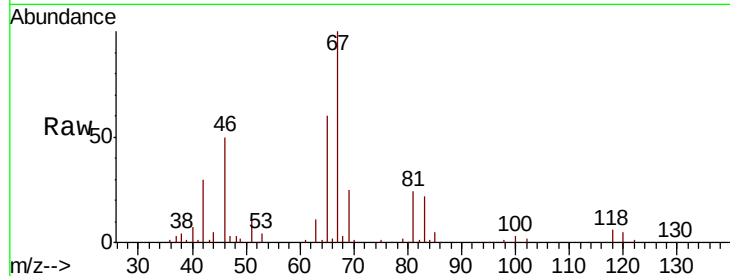
ClientSampleId :

Tot Ion: 63 Resp: 13808

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU038211.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038211.D (-1687) (-)

6.72

8000

6000

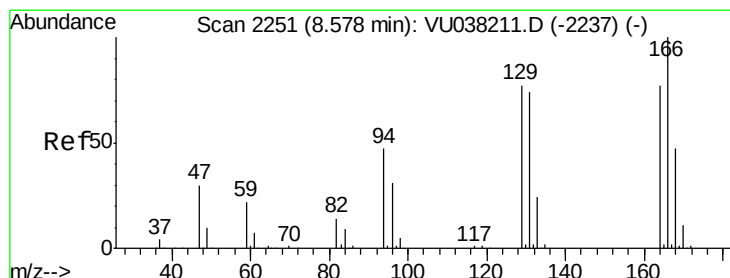
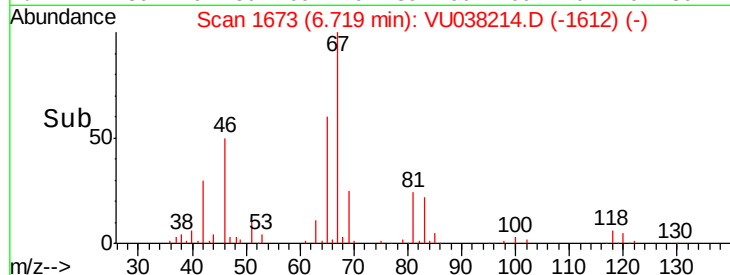
4000

2000

0

6.65 6.70 6.75 6.80

Time-->



#47

Tetrachloroethene

Concen: 1.601 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038214.D

Acq: 18 May 2020 12:53

Tgt Ion: 164 Resp: 35757

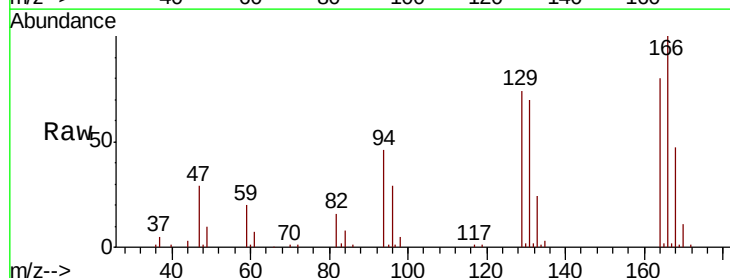
Ion Ratio Lower Upper

164 100

129 93.3 68.8 127.8

131 88.2 66.8 124.2

166 125.6 88.9 165.1



Abundance Ion 163.90 (163.60 to 164.60): VU038211.D (-2237) (-)

Ion 128.95 (128.65 to 129.65): VU038211.D (-2237) (-)

Ion 130.95 (130.65 to 131.65): VU038211.D (-2237) (-)

Ion 165.90 (165.60 to 166.60): VU038211.D (-2237) (-)

40000

30000

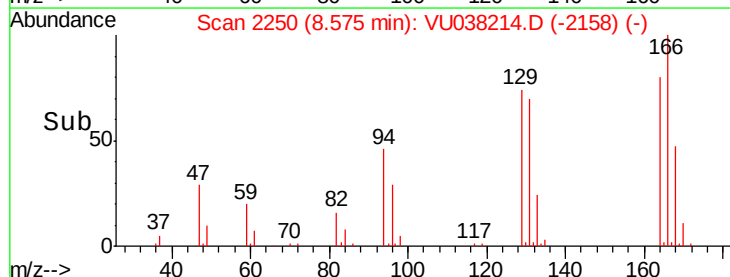
20000

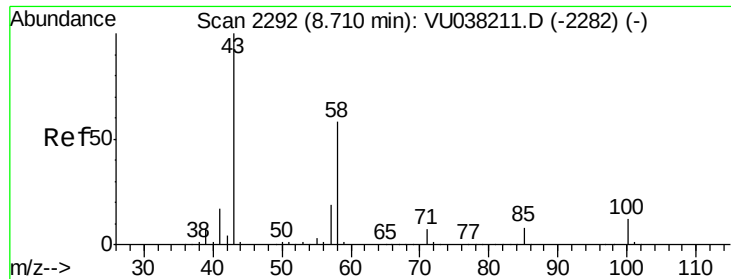
10000

0

8.50 8.55 8.60 8.65

Time-->

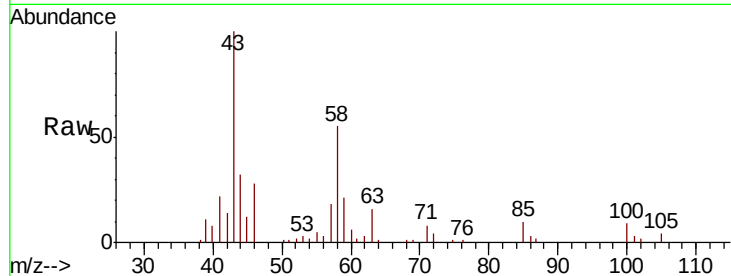




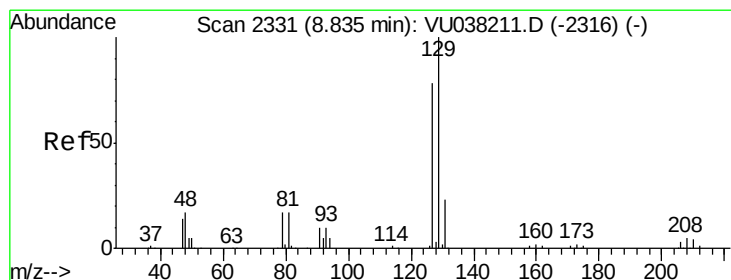
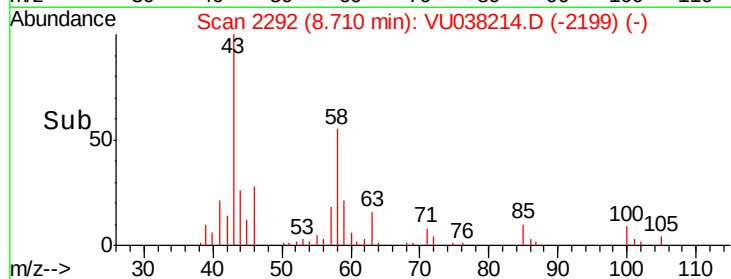
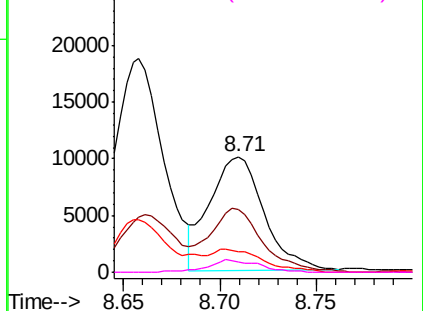
#48
2-Hexanone
Concen: 1.108 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038214.D
Acq: 18 May 2020 12:53

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 19505
Ion Ratio Lower Upper
43 100
58 56.1 45.2 67.8
57 19.9 15.5 23.3
100 9.9 9.5 14.3

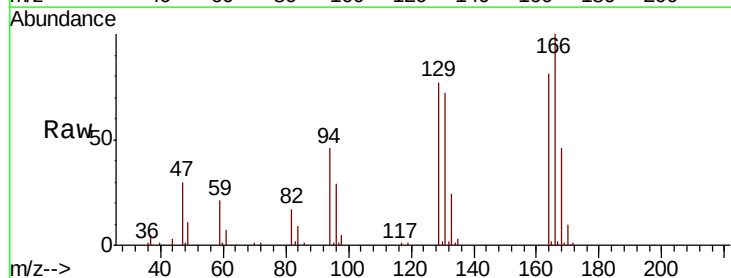


Abundance Ion 43.05 (42.75 to 43.75): VU038211.D (-2282) (-)
Ion 58.05 (57.75 to 58.75): VU038211.D (-2282) (-)
Ion 57.20 (56.90 to 57.90): VU038211.D (-2282) (-)
Ion 100.15 (99.85 to 100.85): VU038211.D (-2282) (-)

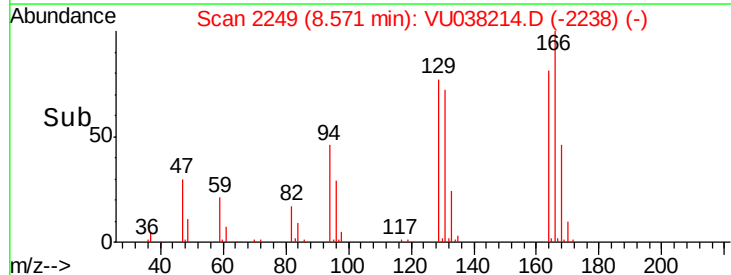
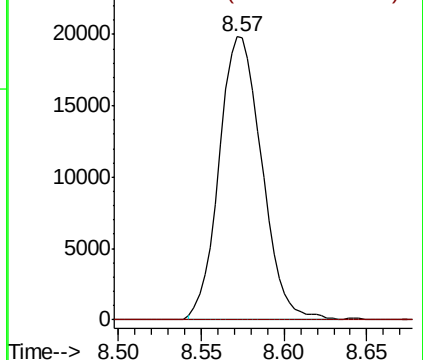


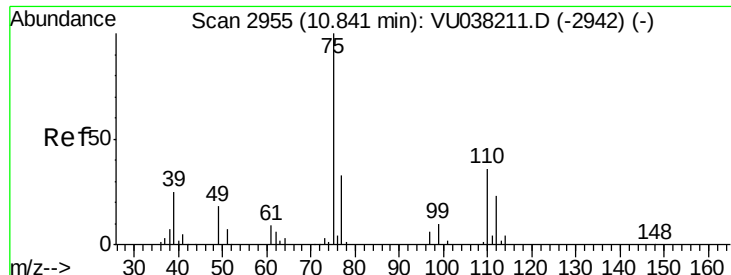
#49
Dibromochloromethane
Concen: 1.422 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.26 min
Lab File: VU038214.D
Acq: 18 May 2020 12:53

Tgt Ion: 129 Resp: 35542
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



Abundance Ion 128.95 (128.65 to 129.65): VU038211.D (-2316) (-)
Ion 126.90 (126.60 to 127.60): VU038211.D (-2316) (-)





#59

1,2,3-Trichloropropane

Concen: 1.125 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038214.D

Acq: 18 May 2020 12:53

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 26179

Ion Ratio Lower Upper

75 100

77 36.0 25.4 38.0

