

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051920\
 Data File : VU038231.D
 Acq On : 19 May 2020 13:46
 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 20 01:27:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 20 01:25:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	346955	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	338761	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	167639	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	113193	3.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.40%
7) Chloroethane-d5	1.93	69	111256	4.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.00%
11) 1,1-Dichloroethene-d2	2.58	63	139135	2.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.40%#
20) 2-Butanone-d5	4.68	46	475341	60.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.42%
24) Chloroform-d	5.10	84	212215	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.74	65	132170	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.76	84	431629	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.72	67	149270	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.92	98	365496	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	8.20	79	56927	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.66	63	376513	60.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.50%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	137899	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	150074	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

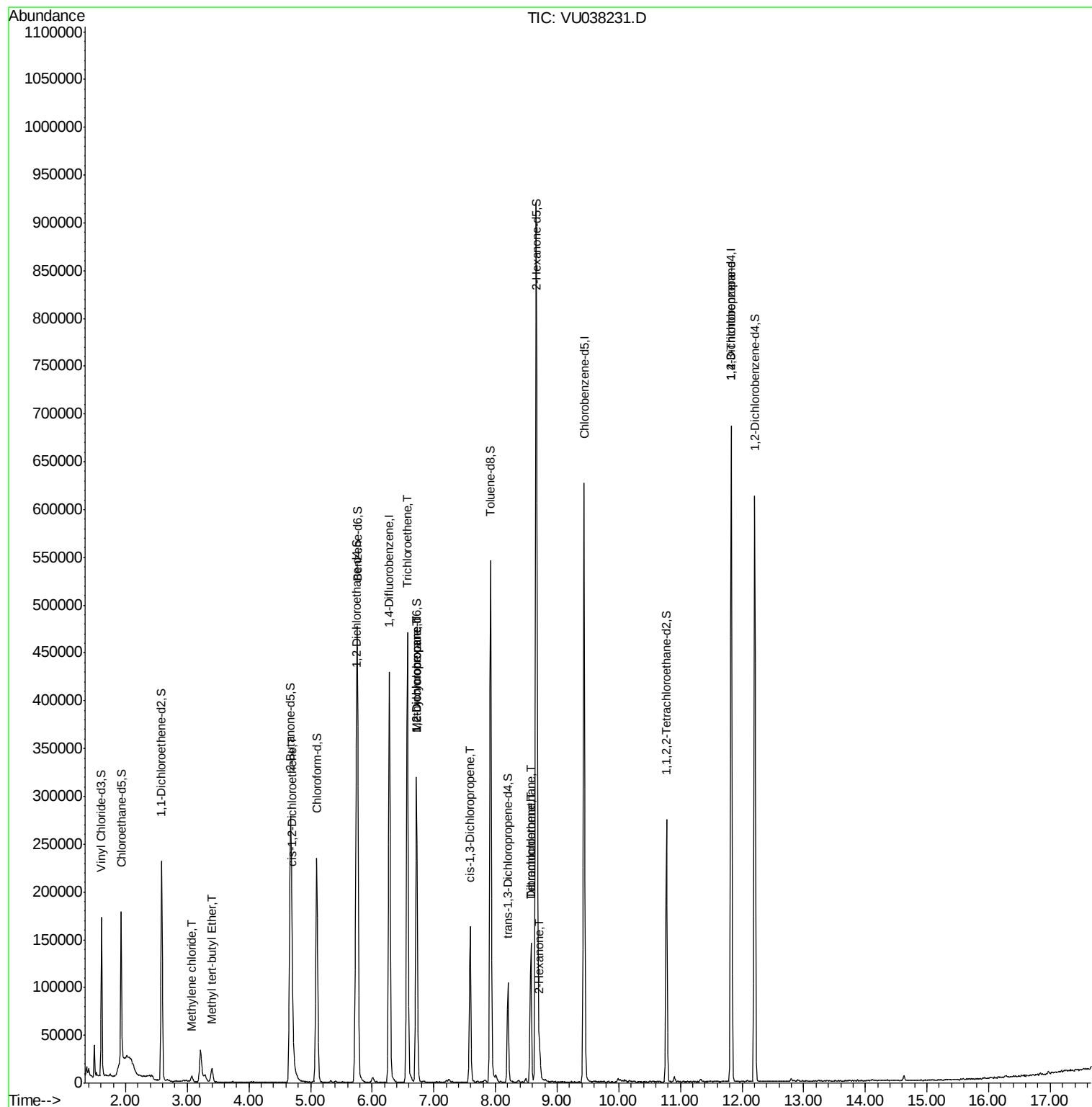
					Ovalue
16) Methylene chloride	3.08	84	2477	0.088 ug/L	94
17) Methyl tert-butyl Ether	3.40	73	15611	0.233 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	6087	0.215 ug/L	93
34) Trichloroethene	6.57	95	157893	5.819 ug/L	99
35) Methylcyclohexane	6.72	83	32719	0.744 ug/L #	17
37) 1,2-Dichloropropane	6.72	63	15446	0.524 ug/L #	89
39) cis-1,3-Dichloropropene	7.59	75	3614	0.086 ug/L #	46
47) Tetrachloroethene	8.57	164	31921	1.682 ug/L	97
48) 2-Hexanone	8.72	43	18286	1.223 ug/L	96
49) Dibromochloromethane	8.57	129	31883	1.501 ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	24016	1.214 ug/L	95

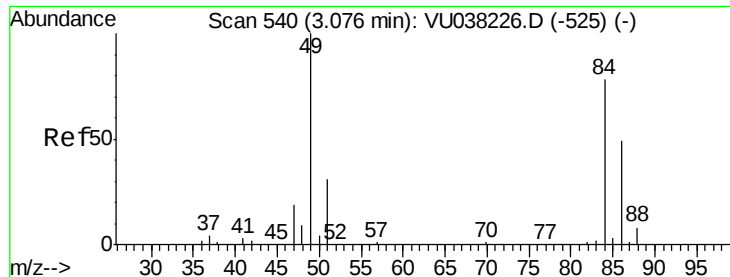
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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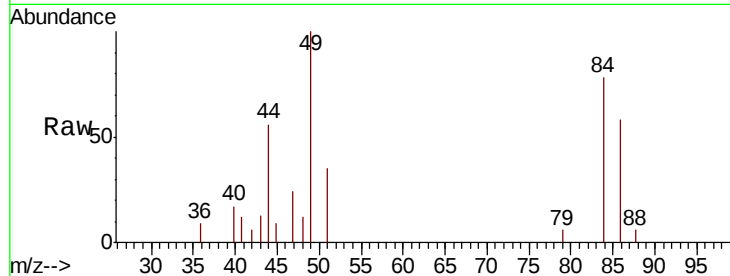




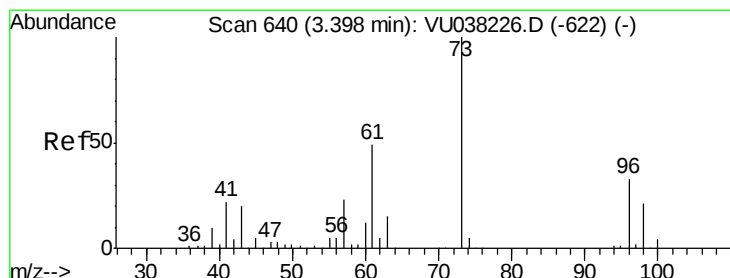
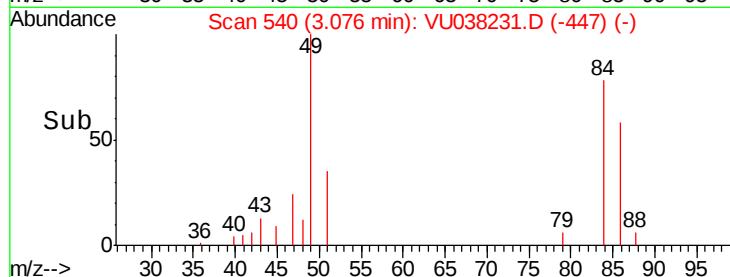
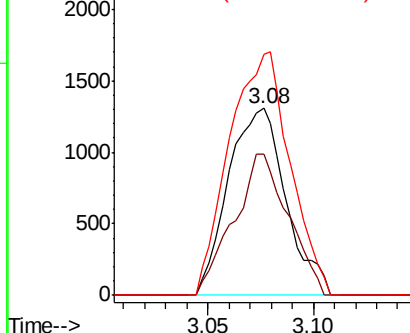
#16
Methylene chloride
Concen: 0.088 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038231.D
Acq: 19 May 2020 13:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 2477
Ion Ratio Lower Upper
84 100
86 75.2 44.9 83.3
49 129.0 92.0 170.9

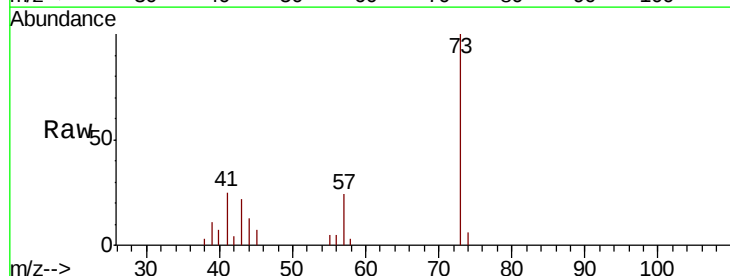


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

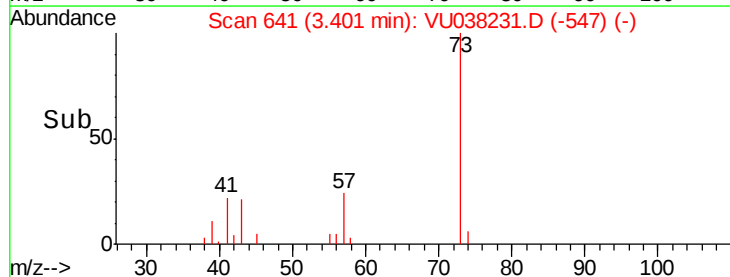
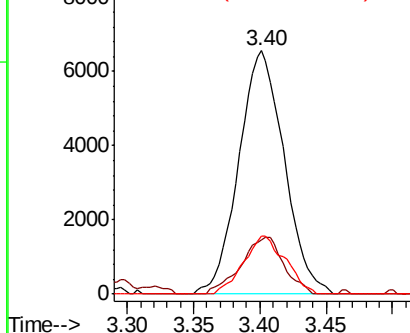


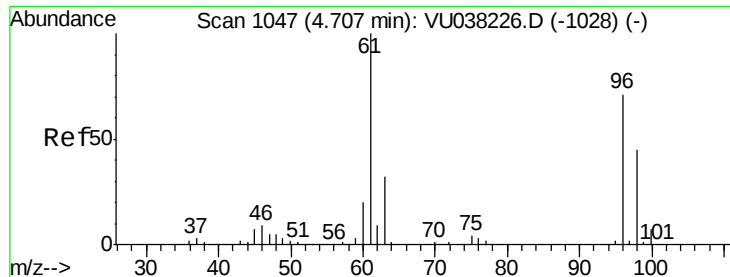
#17
Methyl tert-butyl Ether
Concen: 0.233 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038231.D
Acq: 19 May 2020 13:46

Tgt Ion: 73 Resp: 15611
Ion Ratio Lower Upper
73 100
43 22.0 16.9 25.3
57 22.0 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: 0.215 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038231.D

Acq: 19 May 2020 13:46

Instrument :

MSVOA_U

ClientSampled :

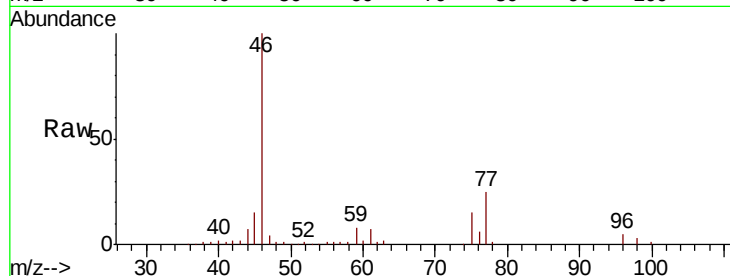
Tot Ion: 96 Resp: 6087

Ion Ratio Lower Upper

96 100

61 144.7 95.3 176.9

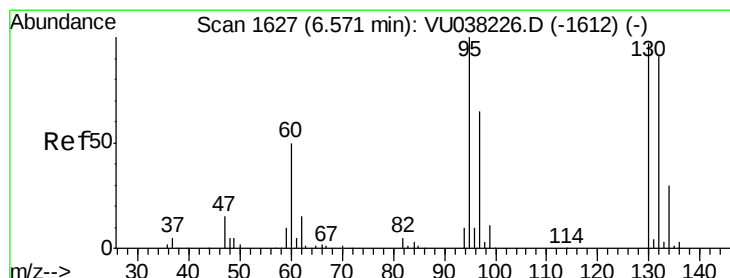
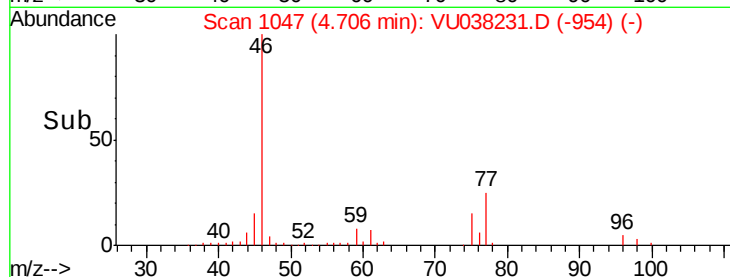
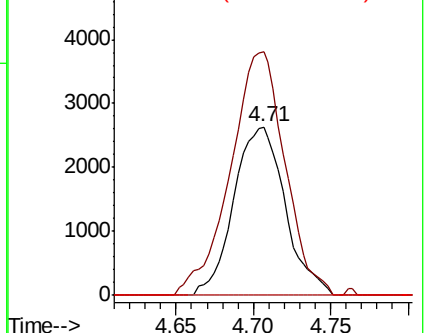
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038226.D (-1028) (-)

Ion 61.05 (60.75 to 61.75): VU038226.D (-1028) (-)

Ion 68.15 (67.85 to 68.85): VU038226.D (-1028) (-)



#34

Trichloroethene

Concen: 5.819 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VU038231.D

Acq: 19 May 2020 13:46

Tgt Ion: 95 Resp: 157893

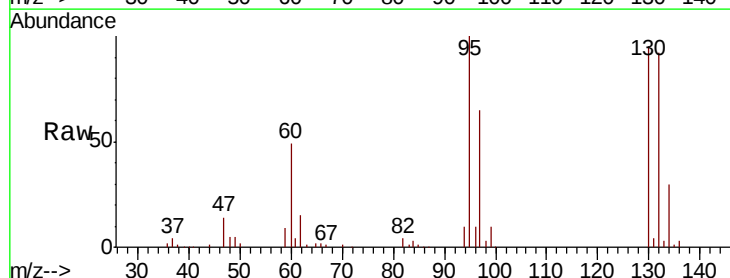
Ion Ratio Lower Upper

95 100

97 64.8 44.9 83.3

132 92.0 63.3 117.5

130 95.0 65.7 122.1

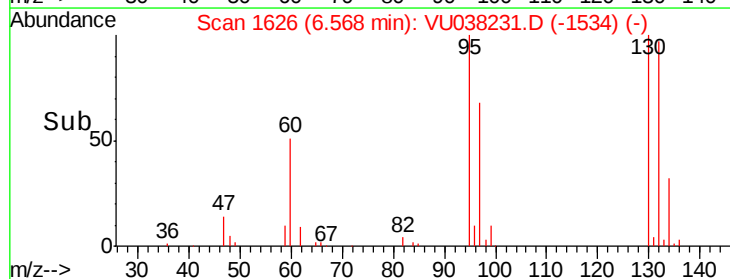
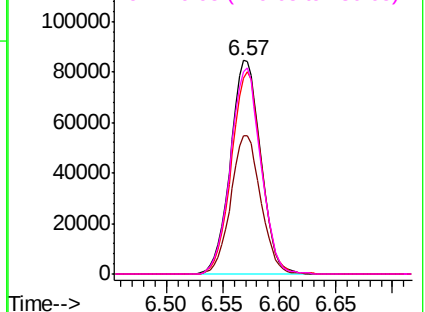


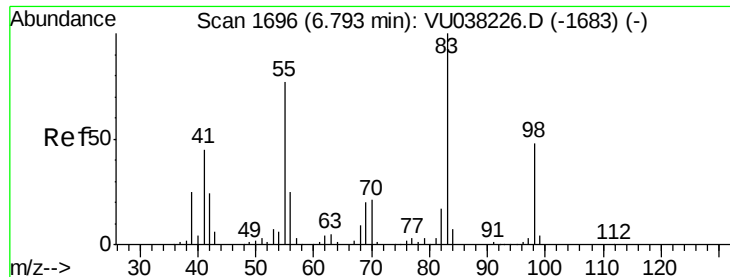
Abundance Ion 95.00 (94.70 to 95.70): VU038226.D (-1612) (-)

Ion 96.95 (96.65 to 97.65): VU038226.D (-1612) (-)

Ion 131.95 (131.65 to 132.65): VU038226.D (-1612) (-)

Ion 129.95 (129.65 to 130.65): VU038226.D (-1612) (-)

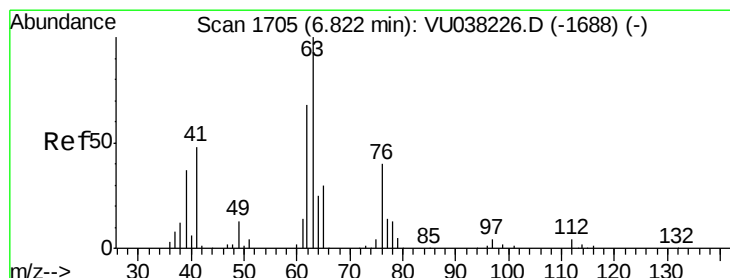
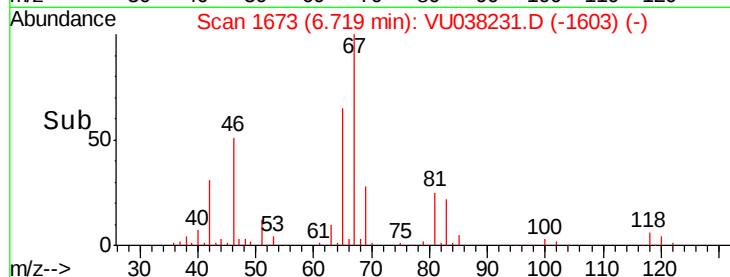
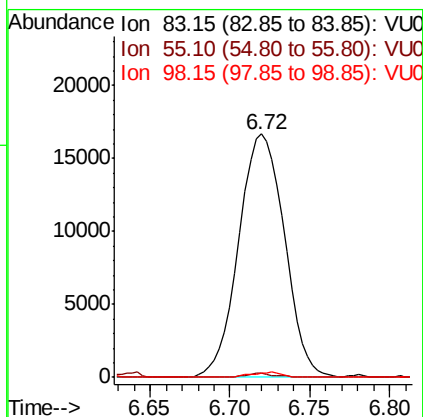
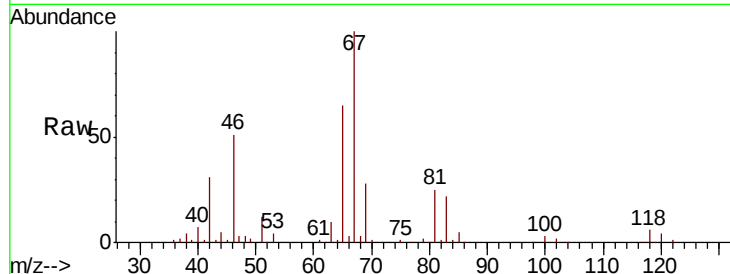




#35
Methvlcvclohexane
Concen: 0.744 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038231.D
Acq: 19 May 2020 13:46

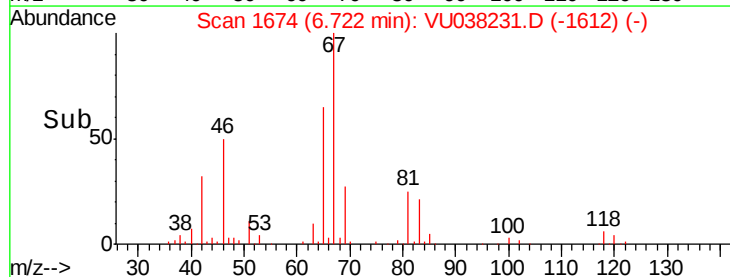
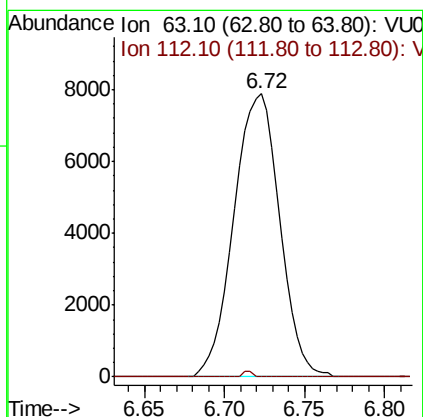
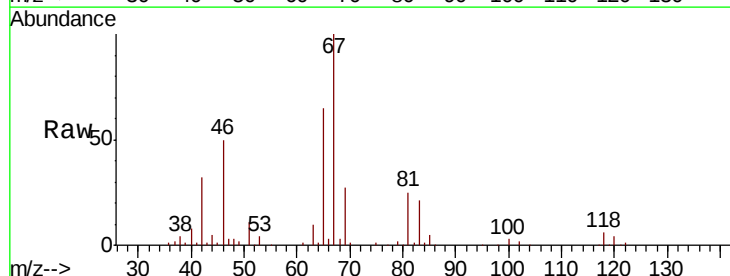
Instrument :
MSVOA_U
ClientSampleId :

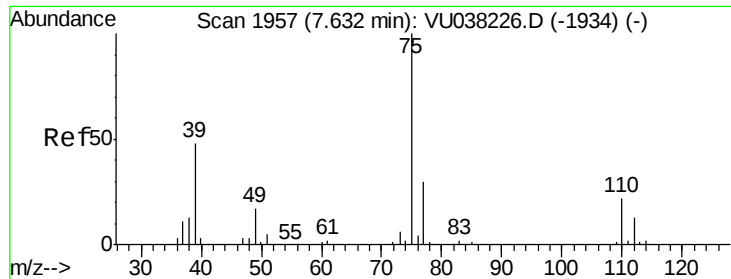
Tot Ion: 83 Resp: 32719
Ion Ratio Lower Upper
83 100
55 1.0 66.7 100.1#
98 1.4 39.4 59.2#



#37
1,2-Dichloropropane
Concen: 0.524 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038231.D
Acq: 19 May 2020 13:46

Tgt Ion: 63 Resp: 15446
Ion Ratio Lower Upper
63 100
112 0.4 3.1 4.7#

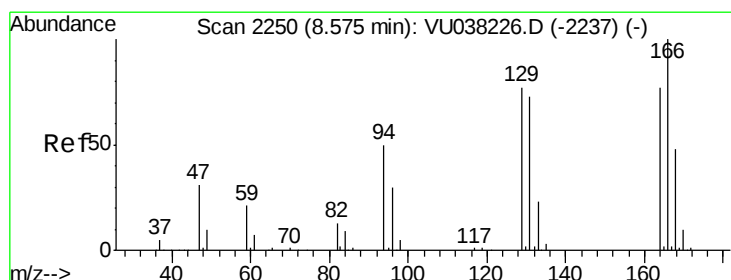
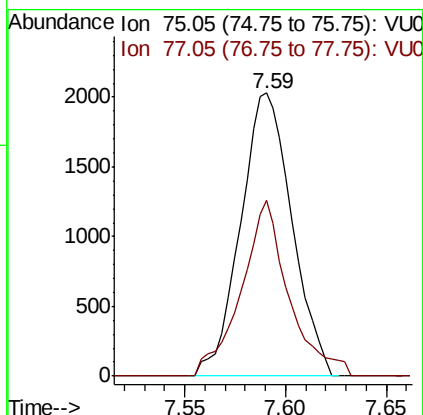
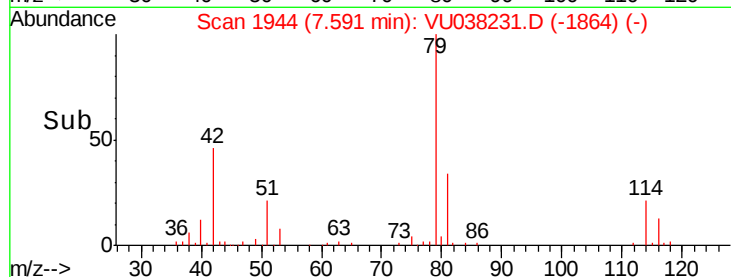
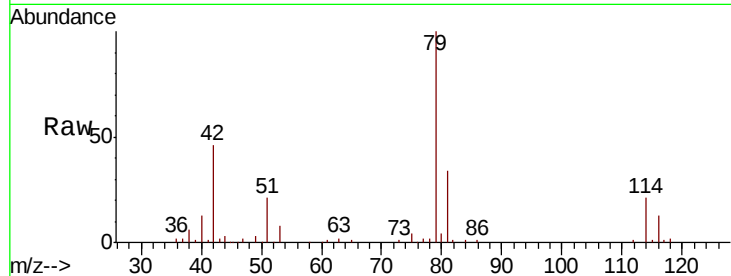




#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038231.D
 Acq: 19 May 2020 13:46

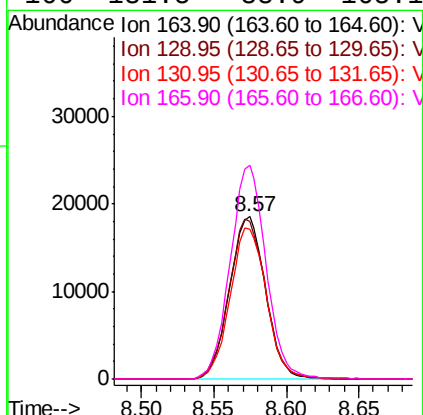
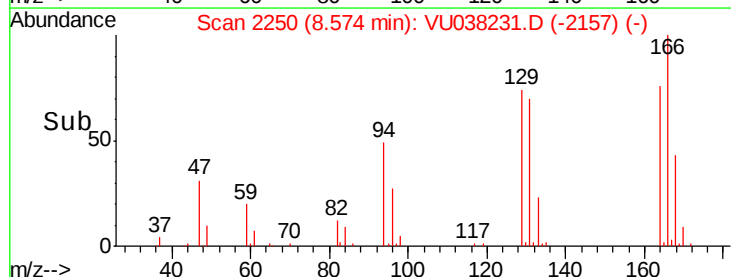
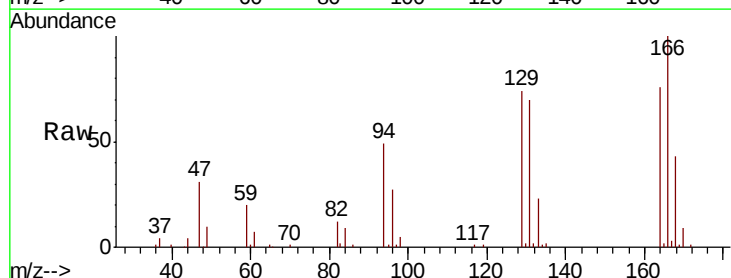
Instrument :
 MSVOA_U
 ClientSampleId :

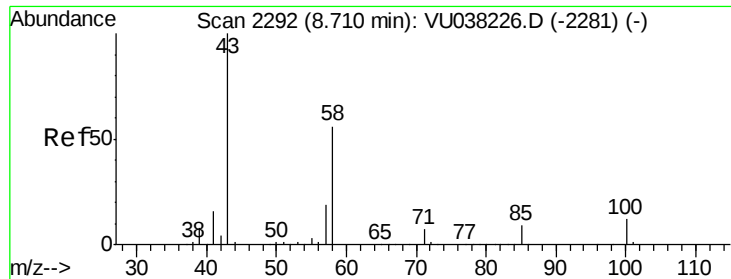
Tot Ion: 75 Resp: 3614
 Ion Ratio Lower Upper
 75 100
 77 62.1 22.4 41.6#



#47
 Tetrachloroethene
 Concen: 1.682 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038231.D
 Acq: 19 May 2020 13:46

Tgt Ion: 164 Resp: 31921
 Ion Ratio Lower Upper
 164 100
 129 97.3 68.8 127.8
 131 92.5 66.8 124.2
 166 131.5 88.9 165.1

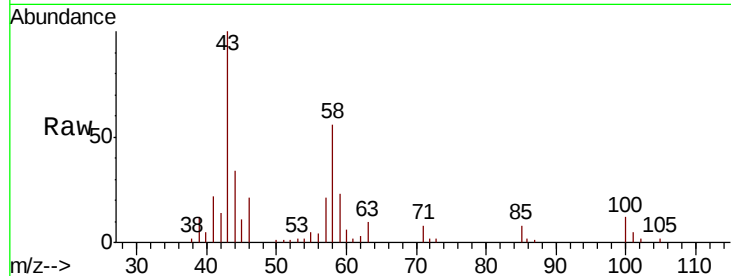




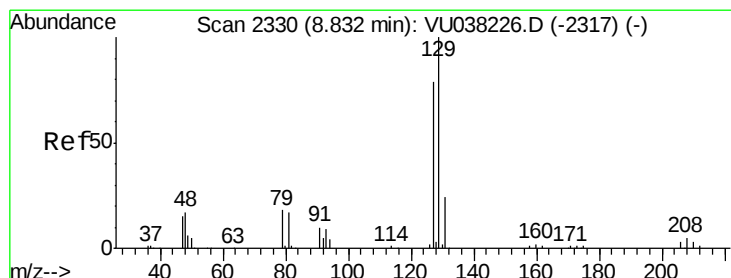
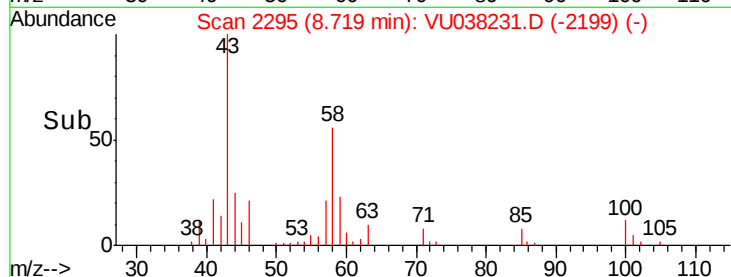
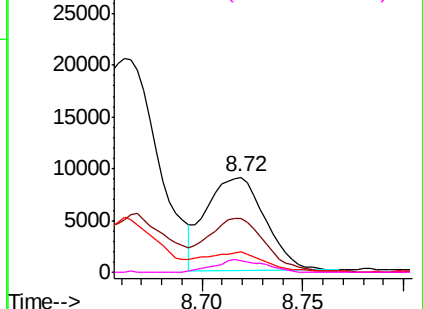
#48
2-Hexanone
Concen: 1.223 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VU038231.D
Acq: 19 May 2020 13:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 18286
Ion Ratio Lower Upper
43 100
58 58.5 45.2 67.8
57 22.9 15.5 23.3
100 11.4 9.5 14.3

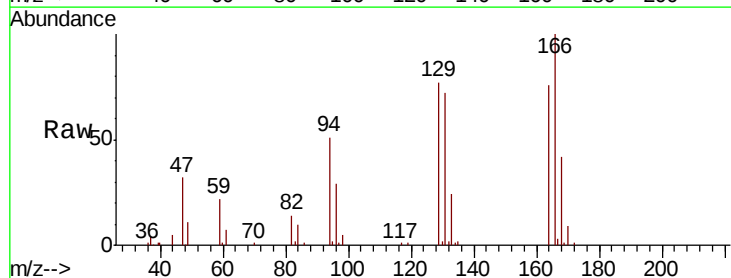


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

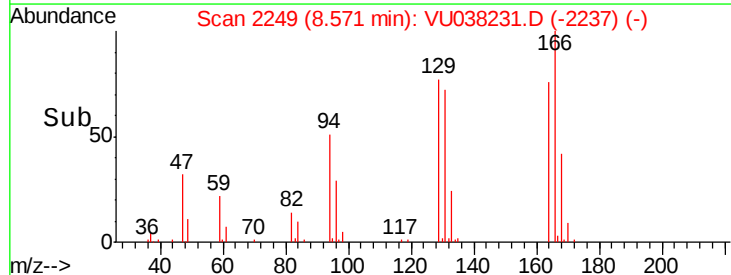
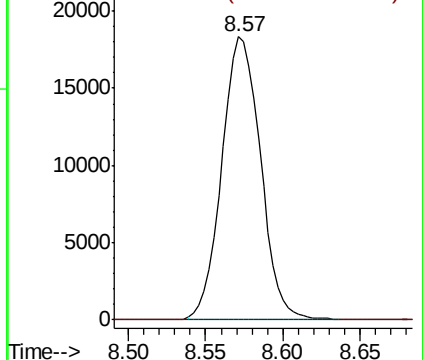


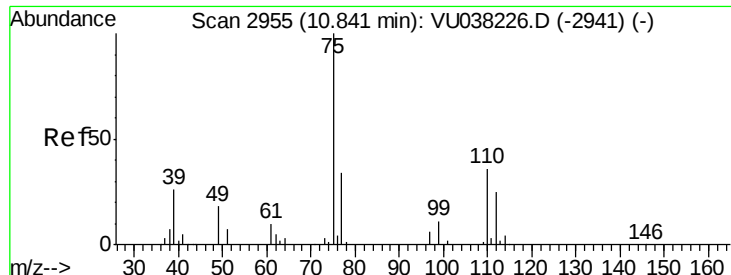
#49
Dibromochloromethane
Concen: 1.501 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.26 min
Lab File: VU038231.D
Acq: 19 May 2020 13:46

Tgt Ion: 129 Resp: 31883
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: 1.214 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038231.D

Acq: 19 May 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 24016

Ion Ratio Lower Upper

75 100

77 34.3 25.4 38.0

