

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051920\
 Data File : VU038230.D
 Acq On : 19 May 2020 13:23
 Operator : JC/MD
 Sample : L2657-04DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 20 01:27:12 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	354403	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	349972	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	169997	5.00	ug/L	0.00

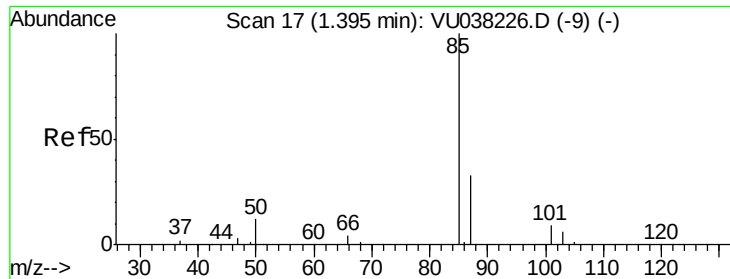
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	109736	3.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.80%
7) Chloroethane-d5	1.93	69	107822	3.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.00%
11) 1,1-Dichloroethene-d2	2.58	63	135759	2.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.00%#
20) 2-Butanone-d5	4.67	46	453648	56.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.44%
24) Chloroform-d	5.10	84	203154	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.74	65	127514	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.76	84	419507	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
36) 1,2-Dichloropropane-d6	6.72	67	146441	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.60%
41) Toluene-d8	7.92	98	353223	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.00%
43) trans-1,3-Dichloropropene-	8.20	79	55819	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.66	63	355923	55.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.18%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	129384	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	144680	4.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	27039	0.834	ug/L 99
12) 1,1-Dichloroethene	2.59	96	2460	0.100	ug/L # 1
16) Methylene chloride	3.08	84	2844	0.099	ug/L 81
17) Methyl tert-butyl Ether	3.40	73	10111	0.148	ug/L # 86
22) cis-1,2-Dichloroethene	4.70	96	11464	0.396	ug/L 93
34) Trichloroethene	6.57	95	270421	9.647	ug/L 99
35) Methylcyclohexane	6.72	83	32422	0.714	ug/L # 16
37) 1,2-Dichloropropane	6.72	63	15699	0.516	ug/L # 88
39) cis-1,3-Dichloropropene	7.59	75	3742	0.086	ug/L 88
47) Tetrachloroethene	8.57	164	203400	10.374	ug/L 100
48) 2-Hexanone	8.72	43	22853	1.479	ug/L 91
49) Dibromochloromethane	8.57	129	196871	8.974	ug/L # 10
59) 1,2,3-Trichloropropane	11.83	75	24028	1.176	ug/L 90

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



#2

Dichlorodifluoromethane

Concen: 0.834 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038230.D

Acq: 19 May 2020 13:23

Instrument :

MSVOA_U

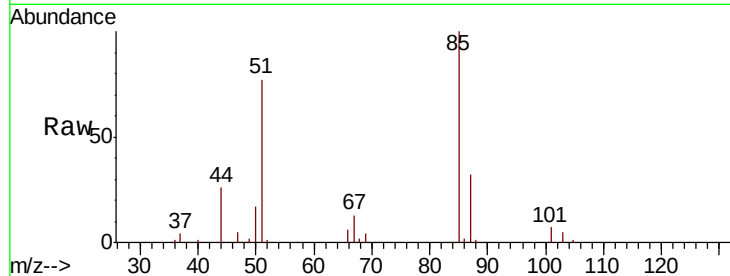
ClientSampleId :

Tot Ion: 85 Resp: 27039

Ion Ratio Lower Upper

85 100

87 32.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038226.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038226.D (-9) (-)

1.39

30000

25000

20000

15000

10000

5000

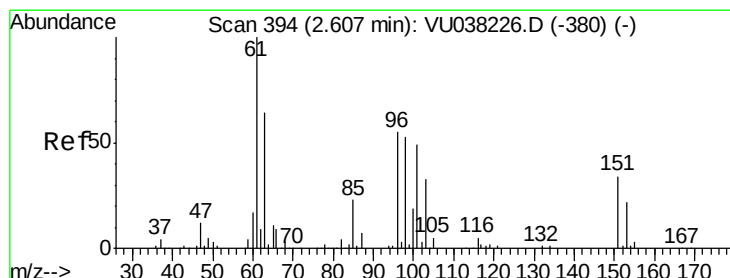
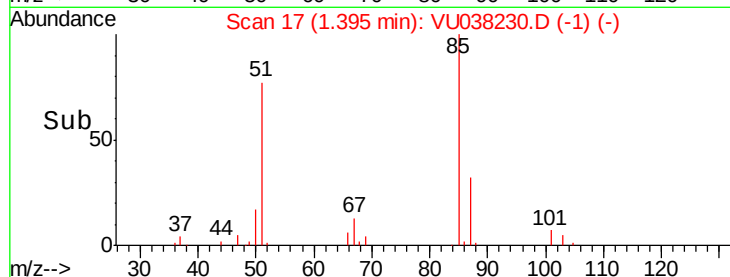
0

Time-->

1.35

1.40

1.45



#12

1,1-Dichloroethene

Concen: 0.100 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU038230.D

Acq: 19 May 2020 13:23

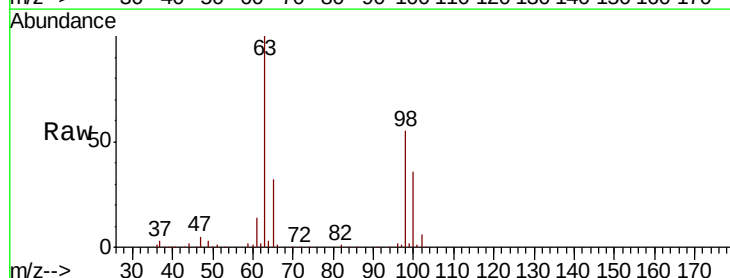
Tgt Ion: 96 Resp: 2460

Ion Ratio Lower Upper

96 100

61 799.2 126.2 234.4#

63 5768.1 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038226.D (-380) (-)

Ion 61.05 (60.75 to 61.75): VU038226.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU038226.D (-380) (-)

100000

80000

60000

40000

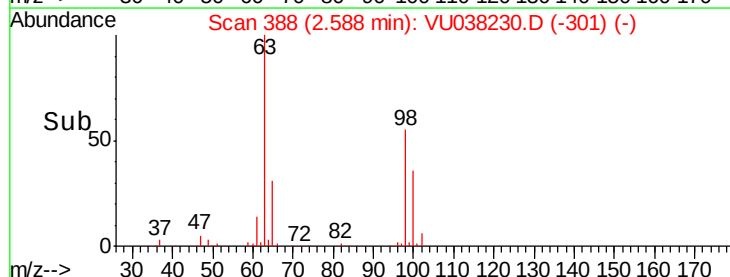
20000

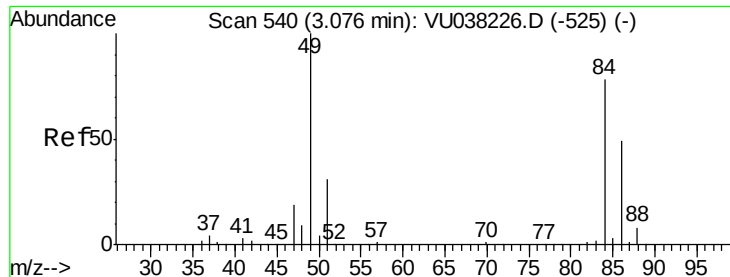
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Time-->

2.55

2.60

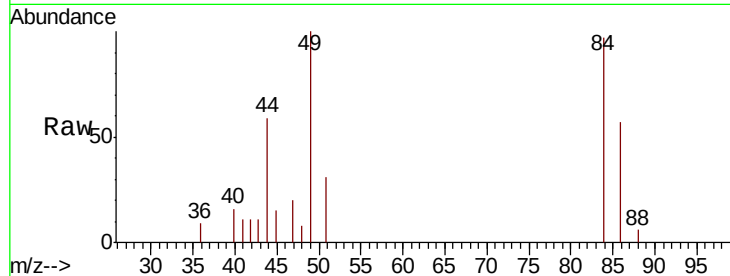




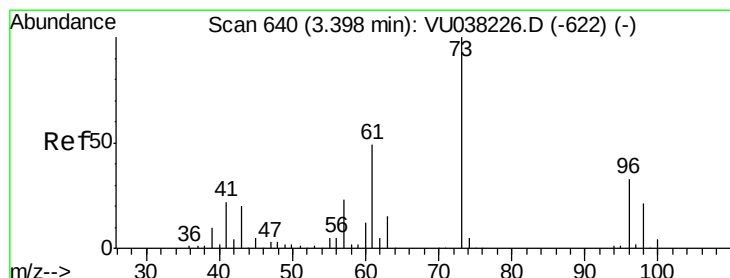
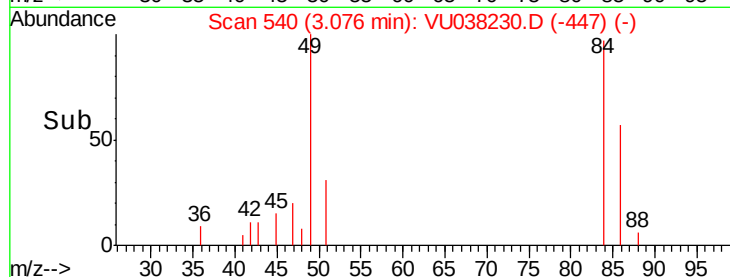
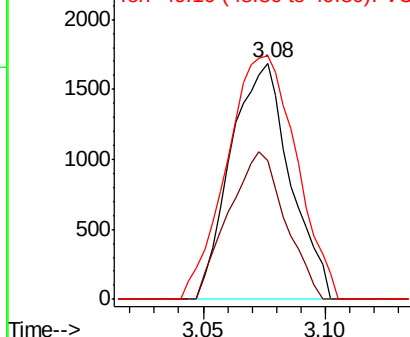
#16
Methylene chloride
Concen: 0.099 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038230.D
Acq: 19 May 2020 13:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 2844
Ion Ratio Lower Upper
84 100
86 58.6 44.9 83.3
49 103.1 92.0 170.9

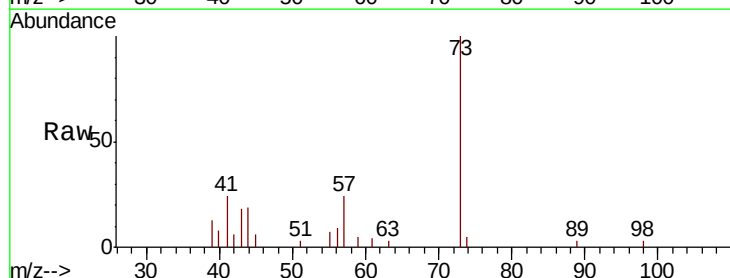


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

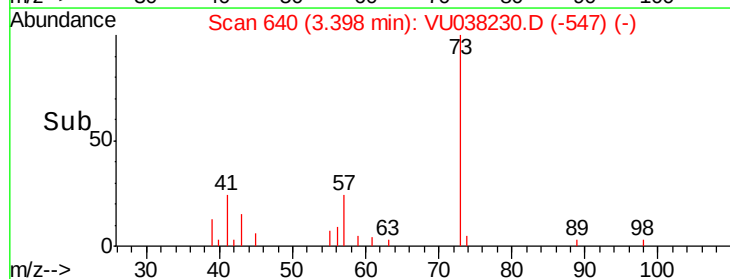
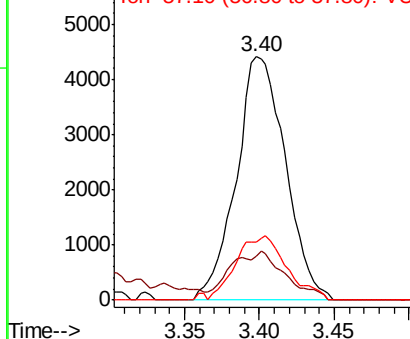


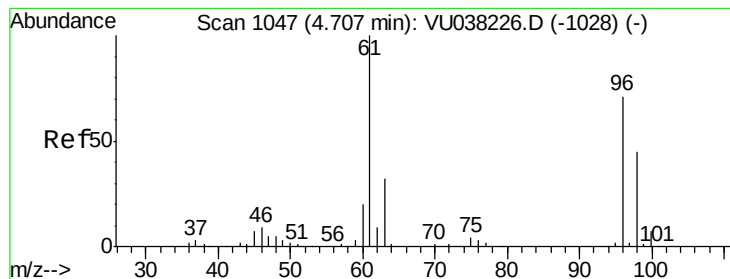
#17
Methyl tert-butyl Ether
Concen: 0.148 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038230.D
Acq: 19 May 2020 13:23

Tgt Ion: 73 Resp: 10111
Ion Ratio Lower Upper
73 100
43 12.6 16.9 25.3#
57 27.3 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: 0.396 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038230.D

Acq: 19 May 2020 13:23

Instrument :
MSVOA_U
ClientSampleId :

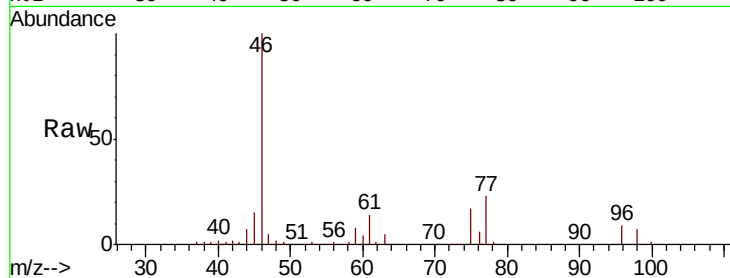
Tot Ion: 96 Resp: 11464

Ion Ratio Lower Upper

96 100

61 144.7 95.3 176.9

68 0.0 0.0 0.0

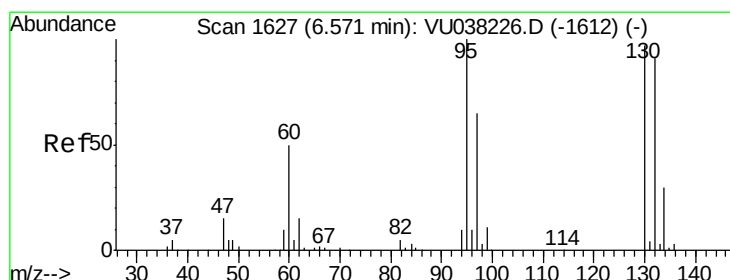
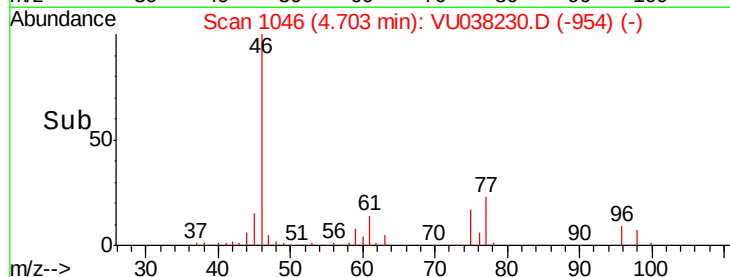
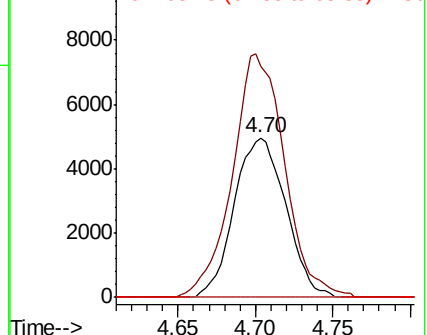


Abundance

Ion 96.00 (95.70 to 96.70): VU038230.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038230.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038230.D (-954) (-)



#34

Trichloroethene

Concen: 9.647 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VU038230.D

Acq: 19 May 2020 13:23

Tgt Ion: 95 Resp: 270421

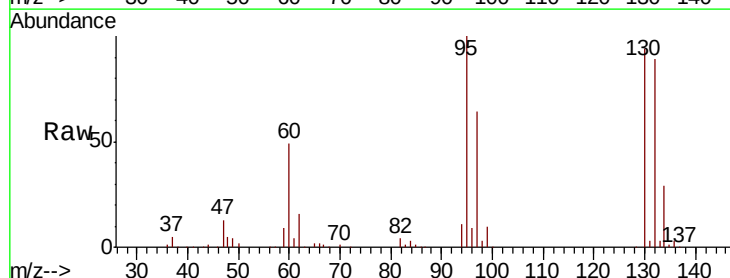
Ion Ratio Lower Upper

95 100

97 63.6 44.9 83.3

132 89.0 63.3 117.5

130 94.4 65.7 122.1



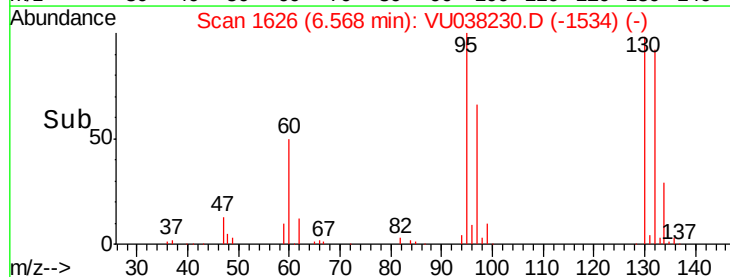
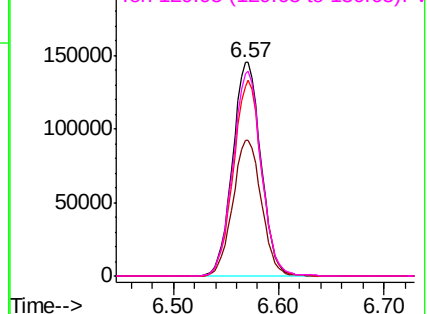
Abundance

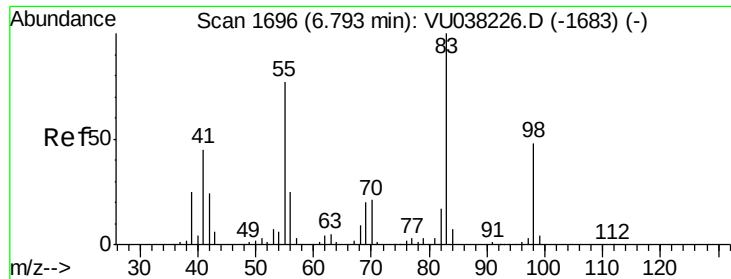
Ion 95.00 (94.70 to 95.70): VU038230.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038230.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038230.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038230.D (-1534) (-)

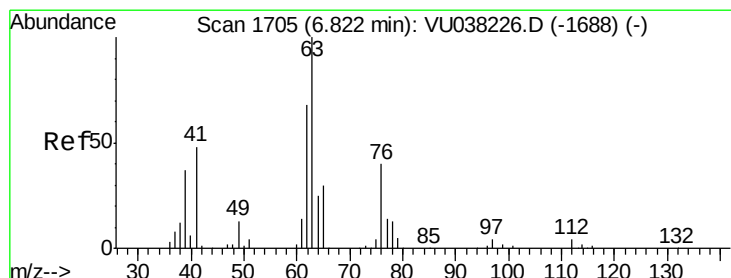
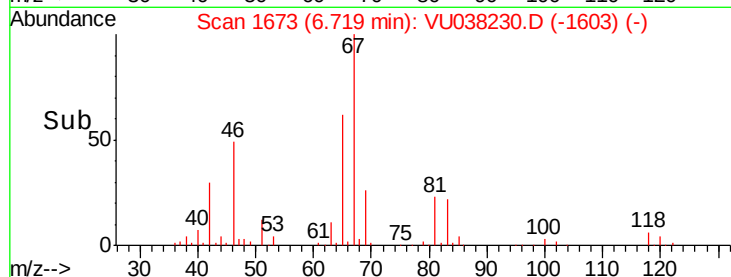
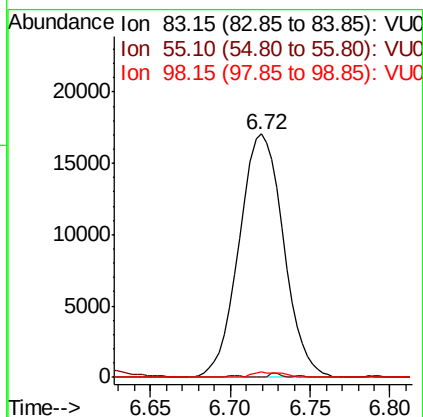
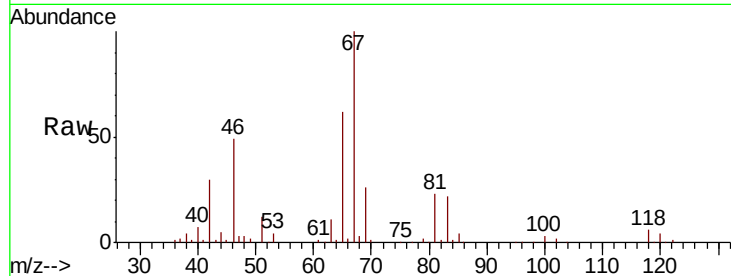




#35
Methylvlcyclohexane
Concen: 0.714 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038230.D
Acq: 19 May 2020 13:23

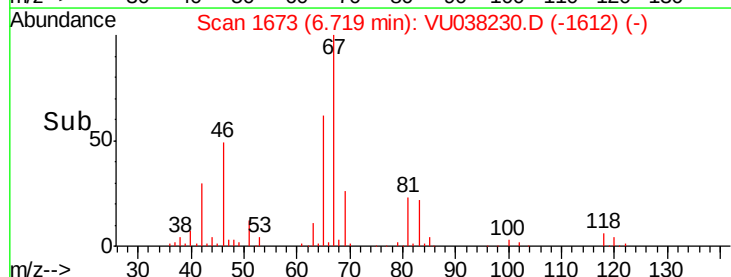
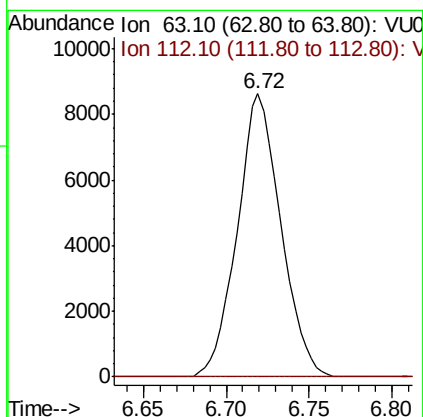
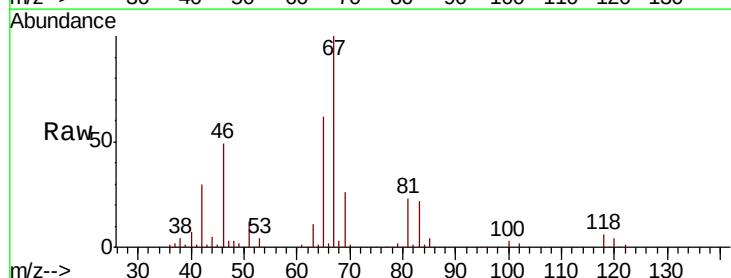
Instrument :
MSVOA_U
ClientSampleId :

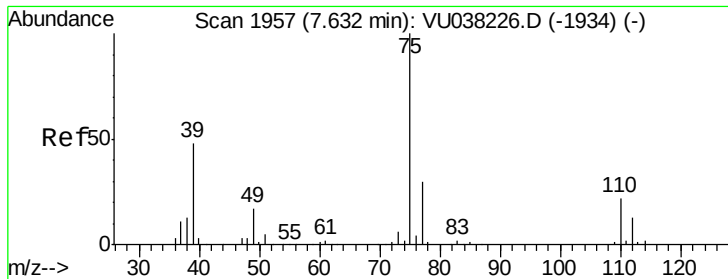
Tot Ion: 83 Resp: 32422
Ion Ratio Lower Upper
83 100
55 0.4 66.7 100.1#
98 1.5 39.4 59.2#



#37
1,2-Dichloropropane
Concen: 0.516 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038230.D
Acq: 19 May 2020 13:23

Tgt Ion: 63 Resp: 15699
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



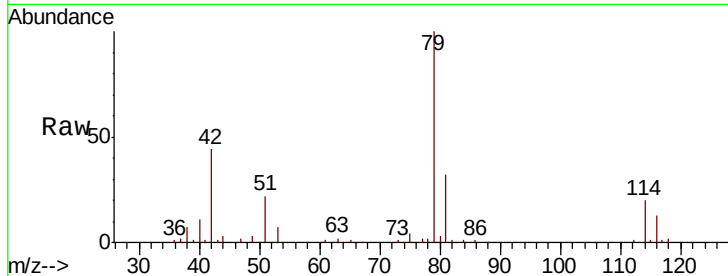


#39

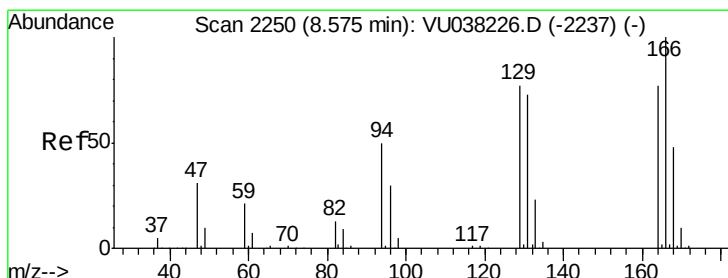
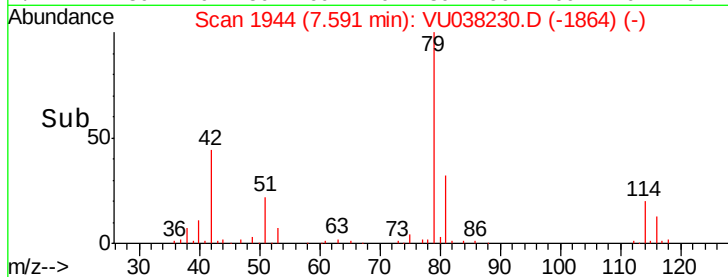
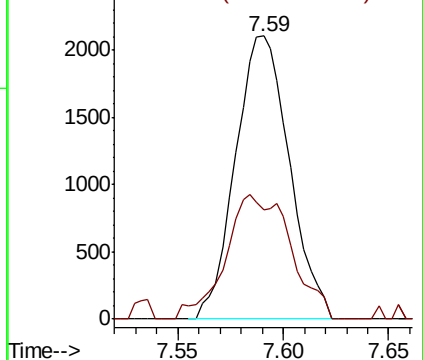
cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038230.D
 Acq: 19 May 2020 13:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 3742
 Ion Ratio Lower Upper
 75 100
 77 38.4 22.4 41.6



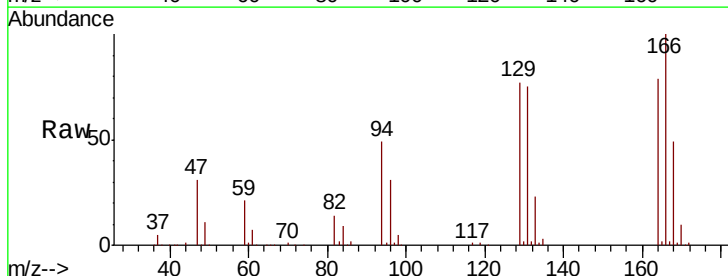
Abundance Ion 75.05 (74.75 to 75.75): VU038226.D (-1934) (-)
 Ion 77.05 (76.75 to 77.75): VU038226.D (-1934) (-)



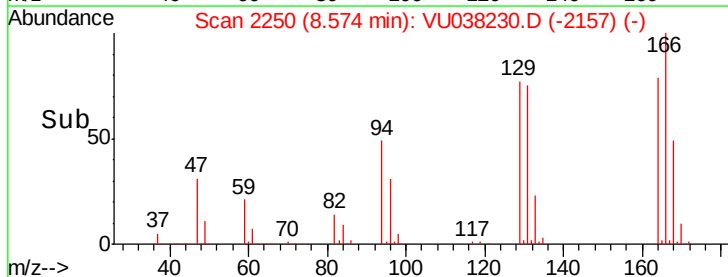
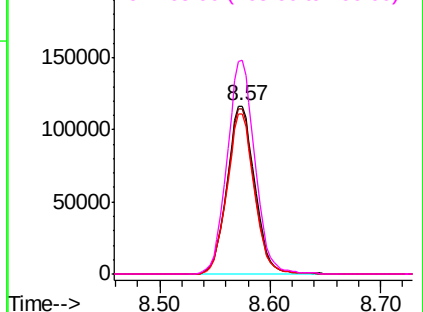
#47

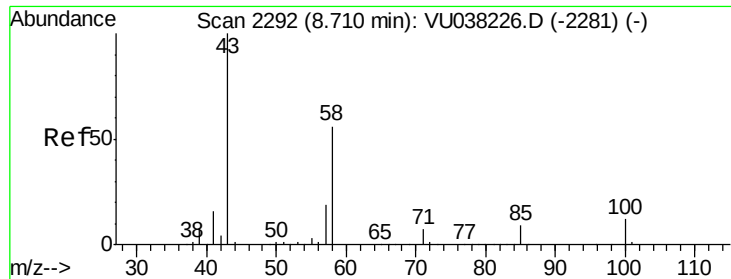
Tetrachloroethene
 Concen: 10.374 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038230.D
 Acq: 19 May 2020 13:23

Tgt Ion: 164 Resp: 203400
 Ion Ratio Lower Upper
 164 100
 129 98.4 68.8 127.8
 131 95.6 66.8 124.2
 166 127.2 88.9 165.1



Abundance Ion 163.90 (163.60 to 164.60): VU038226.D (-2237) (-)
 Ion 128.95 (128.65 to 129.65): VU038226.D (-2237) (-)
 Ion 130.95 (130.65 to 131.65): VU038226.D (-2237) (-)
 Ion 165.90 (165.60 to 166.60): VU038226.D (-2237) (-)

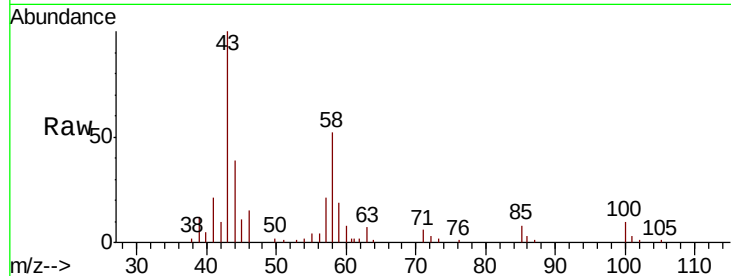




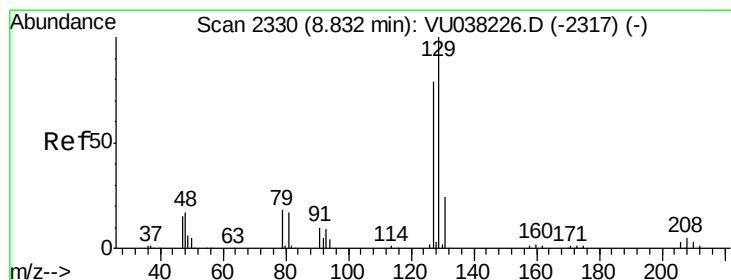
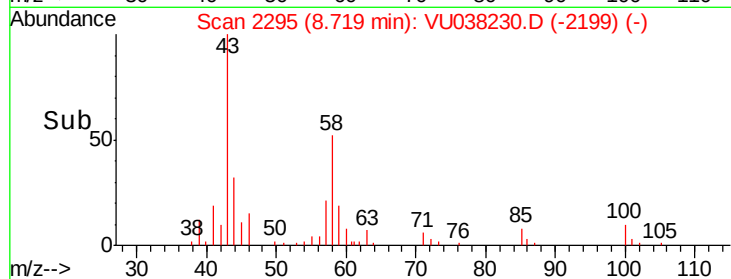
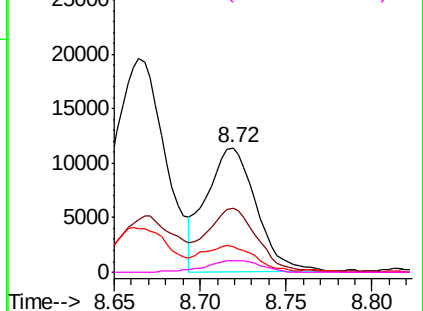
#48
2-Hexanone
Concen: 1.479 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VU038230.D
Acq: 19 May 2020 13:23

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	22853
Ion	Ratio	Lower	Upper
43	100		
58	48.8	45.2	67.8
57	23.1	15.5	23.3
100	10.6	9.5	14.3

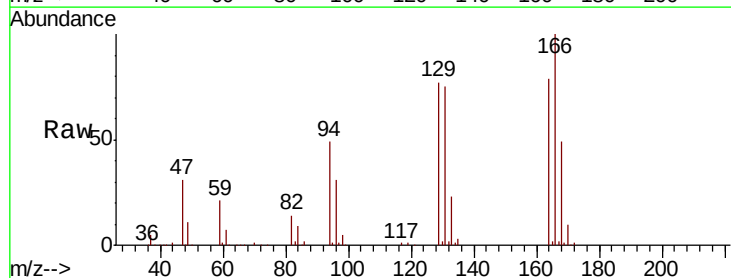


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

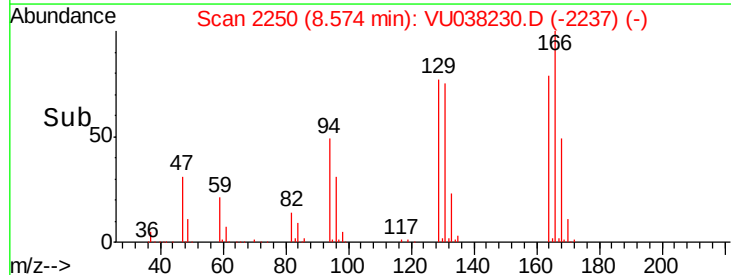
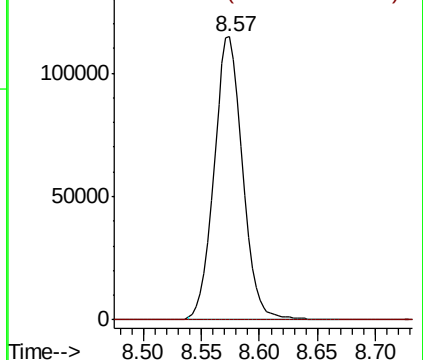


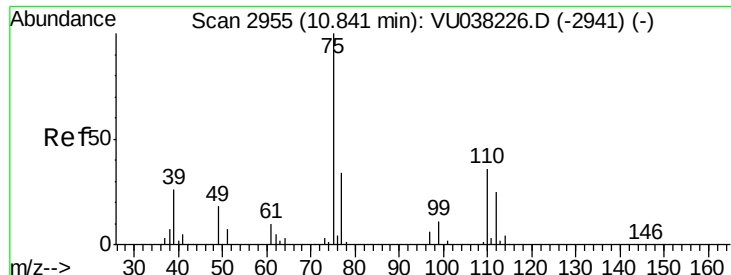
#49
Dibromochloromethane
Concen: 8.974 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038230.D
Acq: 19 May 2020 13:23

Tgt Ion:	129	Resp:	196871
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: 1.176 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU038230.D

Acq: 19 May 2020 13:23

Instrument :

MSVOA_U

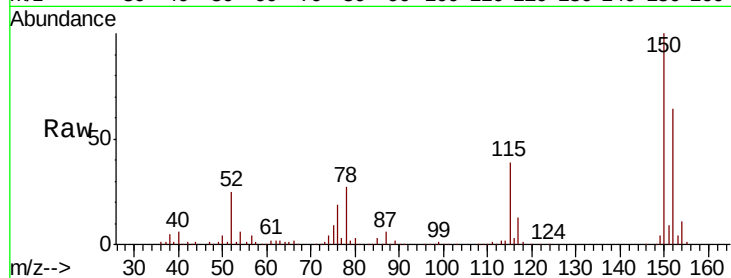
ClientSampleId :

Tot Ion: 75 Resp: 24028

Ion Ratio Lower Upper

75 100

77 37.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

