

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\
 Data File : VU038218.D
 Acq On : 18 May 2020 14:25
 Operator : JC/MD
 Sample : L2657-06DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 18 22:25:57 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	361228	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	351692	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	168988	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	119889	3.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.60%
7) Chloroethane-d5	1.92	69	109707	3.84	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.80%
11) 1,1-Dichloroethene-d2	2.58	63	147333	2.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.40%#
20) 2-Butanone-d5	4.67	46	435214	53.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.78%
24) Chloroform-d	5.10	84	213755	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.74	65	130861	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	5.76	84	442502	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.72	67	153077	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.92	98	377635	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	8.20	79	58726	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.66	63	341391	53.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.12%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	130783	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	151093	4.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

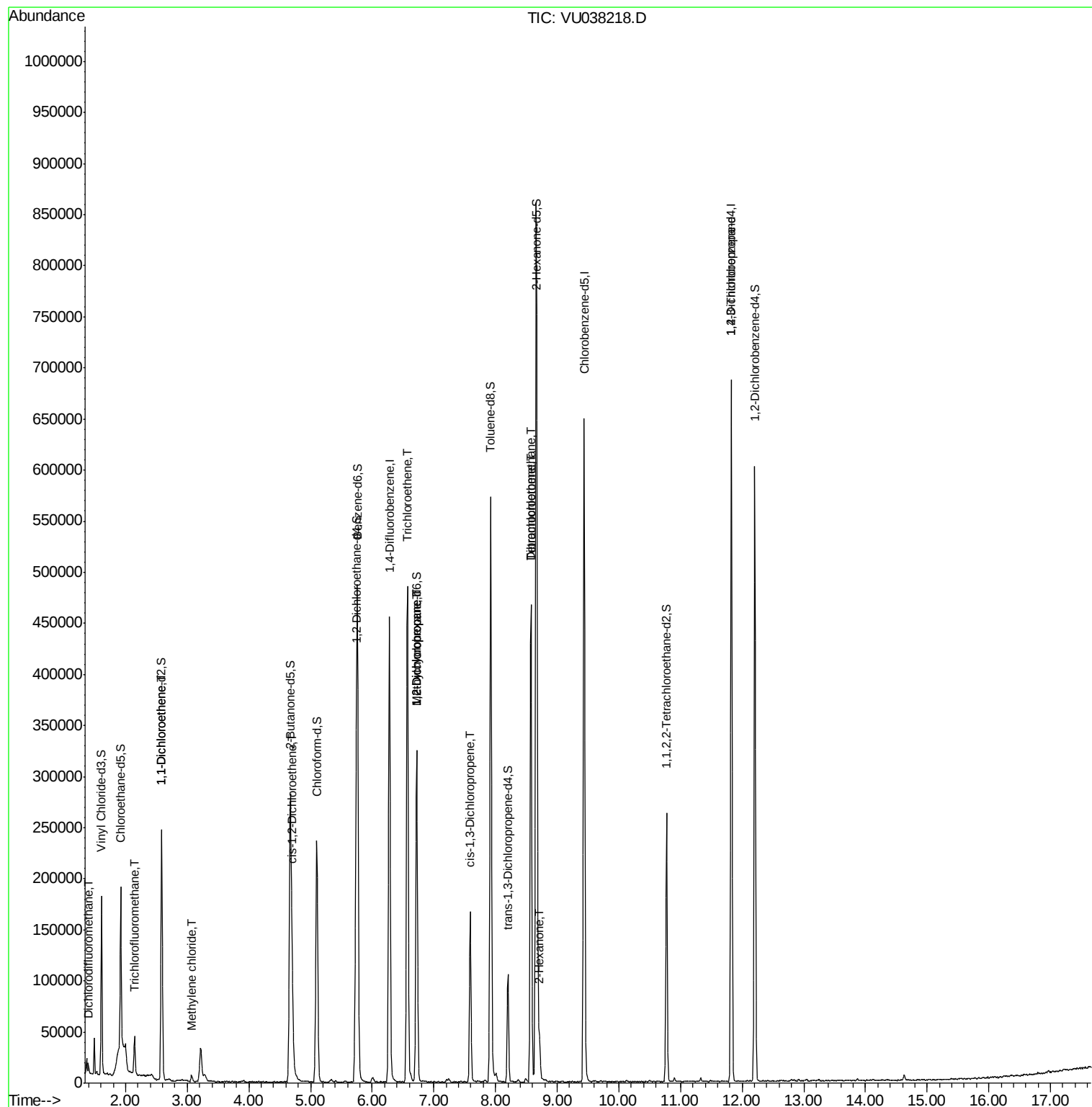
					Ovalue
2) Dichlorodifluoromethane	1.39	85	5020	0.152	ug/L 98
9) Trichlorofluoromethane	2.14	101	22606	0.567	ug/L 96
12) 1,1-Dichloroethene	2.59	96	5000	0.199	ug/L # 1
16) Methylene chloride	3.07	84	2497	0.085	ug/L 95
22) cis-1,2-Dichloroethene	4.70	96	23649	0.802	ug/L 98
34) Trichloroethene	6.57	95	165807	5.886	ug/L 97
35) Methylcyclohexane	6.72	83	34700	0.760	ug/L # 16
37) 1,2-Dichloropropane	6.72	63	15756	0.515	ug/L # 88
39) cis-1,3-Dichloropropene	7.59	75	3700	0.085	ug/L # 55
47) Tetrachloroethene	8.57	164	104865	5.322	ug/L 98
48) 2-Hexanone	8.71	43	20744	1.336	ug/L # 98
49) Dibromochloromethane	8.57	129	101094	4.586	ug/L # 10
59) 1,2,3-Trichloropropane	11.83	75	23270	1.133	ug/L 92

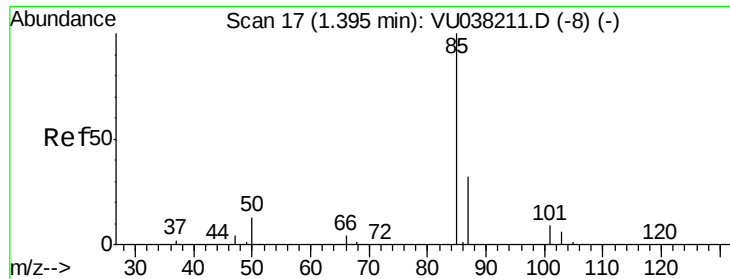
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.152 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU038218.D

Acq: 18 May 2020 14:25

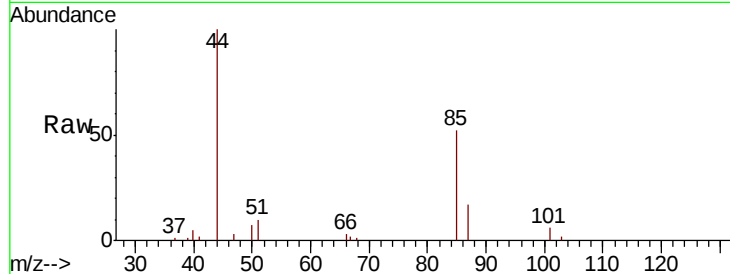
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 5020

Ion Ratio Lower Upper

85 100

87 31.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038218.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038218.D (-8) (-)

1.39

4000

3000

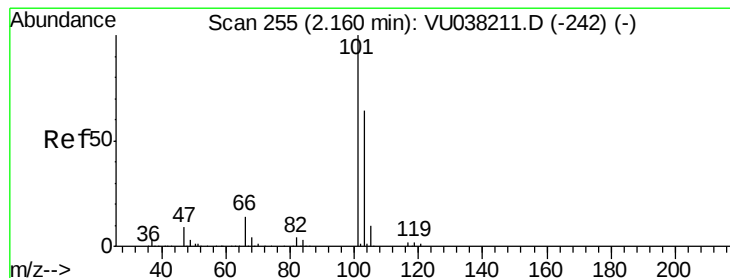
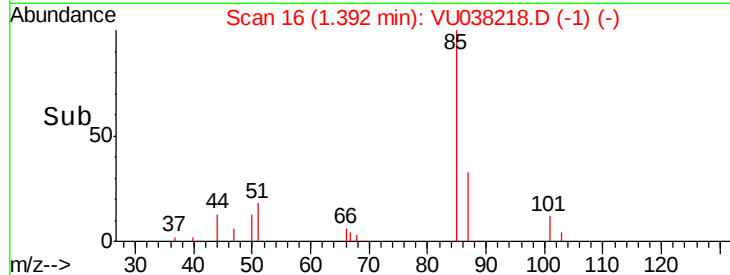
2000

1000

0

1.36 1.38 1.40 1.42

Time-->



#9

Trichlorofluoromethane

Concen: 0.567 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.02 min

Lab File: VU038218.D

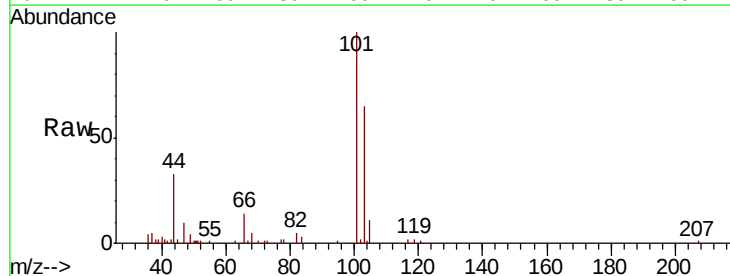
Acq: 18 May 2020 14:25

Tgt Ion: 101 Resp: 22606

Ion Ratio Lower Upper

101 100

103 67.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038218.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038218.D (-242) (-)

2.14

15000

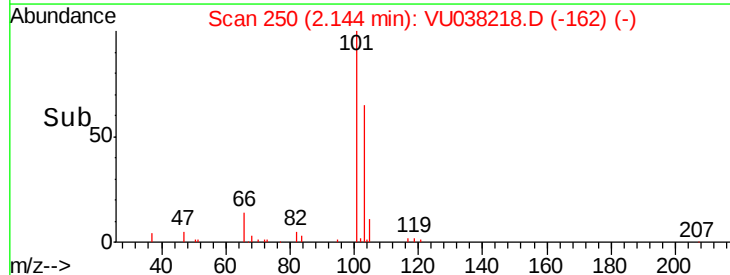
10000

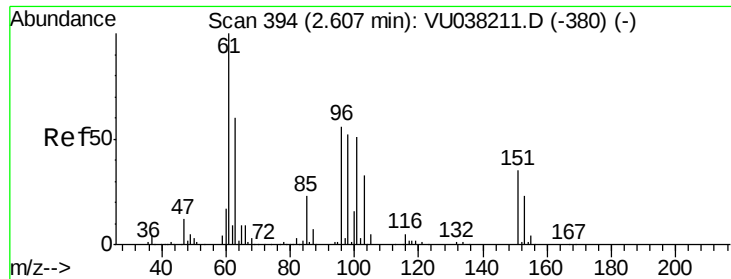
5000

0

2.10 2.15 2.20

Time-->





#12

1,1-Dichloroethene

Concen: 0.199 ug/L

RT: 2.59 min Scan# 390

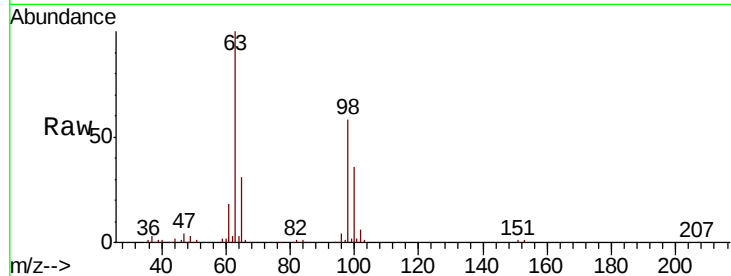
Delta R.T. -0.01 min

Lab File: VU038218.D

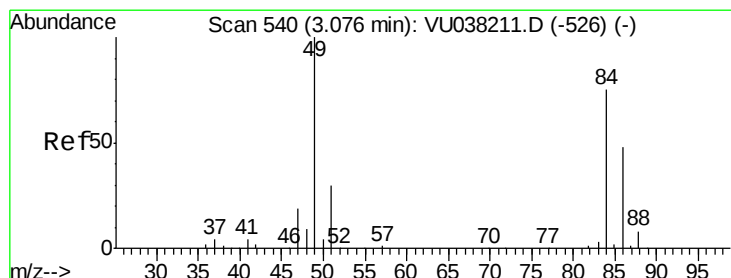
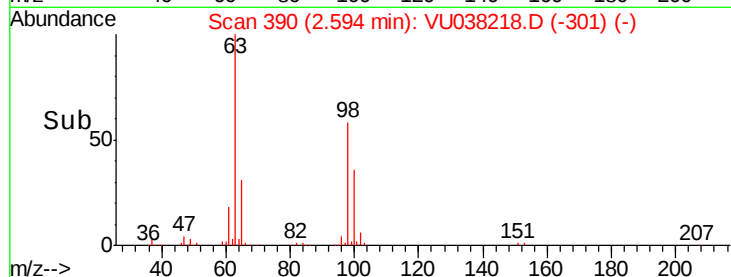
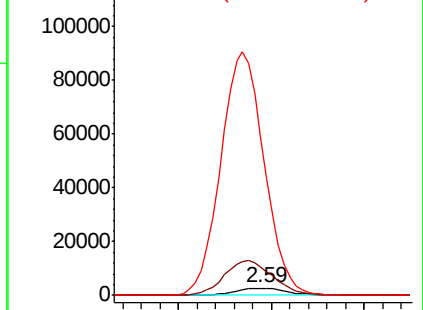
Acq: 18 May 2020 14:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 5000
Ion Ratio Lower Upper
96 100
61 404.9 126.2 234.4#
63 2242.2 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 63.00 (62.70 to 63.70): VU0



#16

Methylene chloride

Concen: 0.085 ug/L

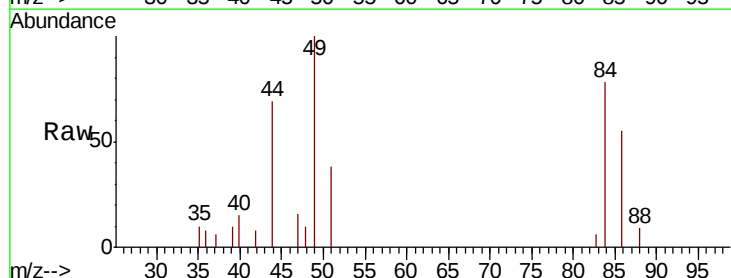
RT: 3.07 min Scan# 539

Delta R.T. -0.00 min

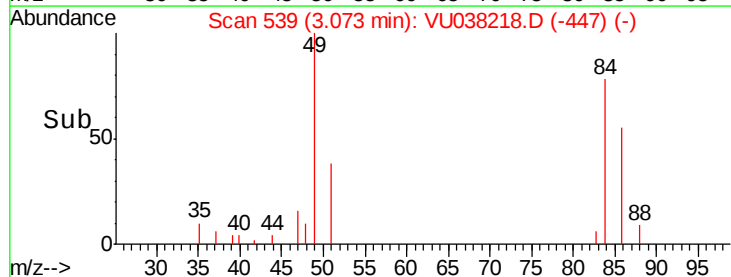
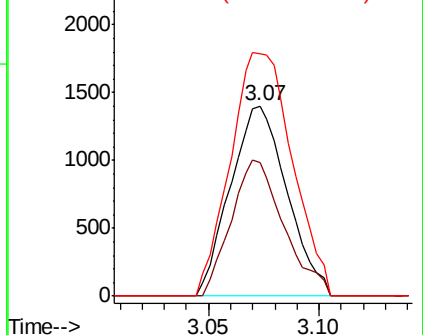
Lab File: VU038218.D

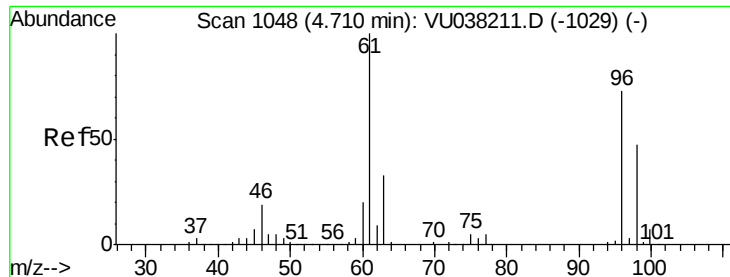
Acq: 18 May 2020 14:25

Tgt Ion: 84 Resp: 2497
Ion Ratio Lower Upper
84 100
86 70.1 44.9 83.3
49 127.7 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: 0.802 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.01 min

Lab File: VU038218.D

Acq: 18 May 2020 14:25

Instrument :
MSVOA_U
ClientSampleId :

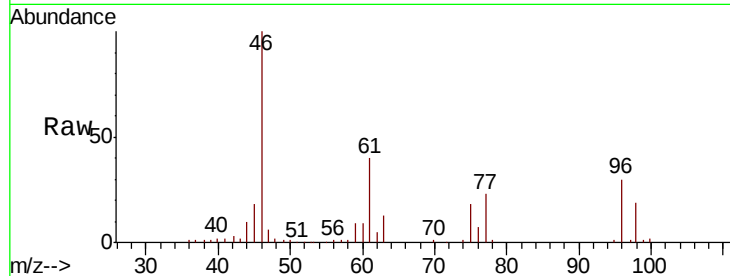
Tot Ion: 96 Resp: 23649

Ion Ratio Lower Upper

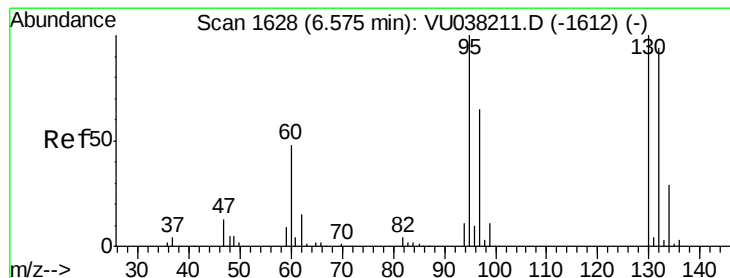
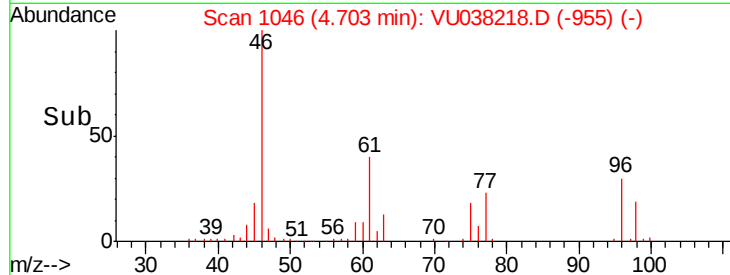
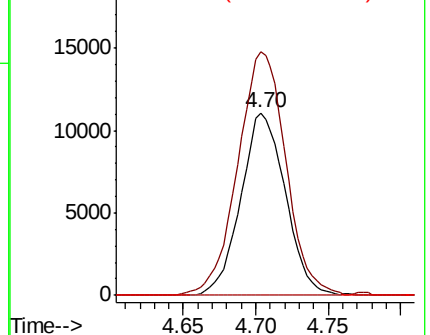
96 100

61 133.3 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: 5.886 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038218.D

Acq: 18 May 2020 14:25

Tgt Ion: 95 Resp: 165807

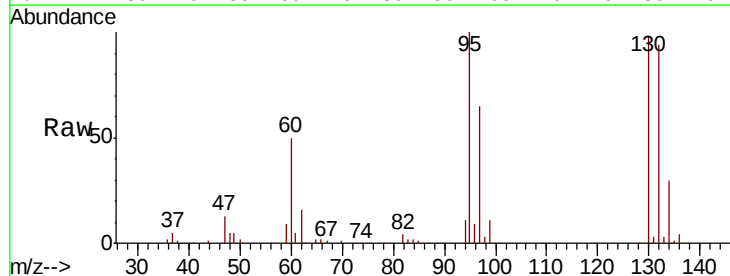
Ion Ratio Lower Upper

95 100

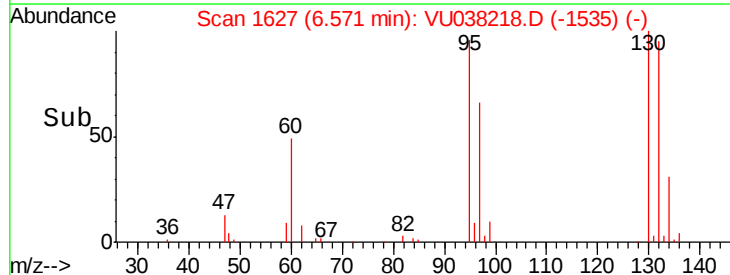
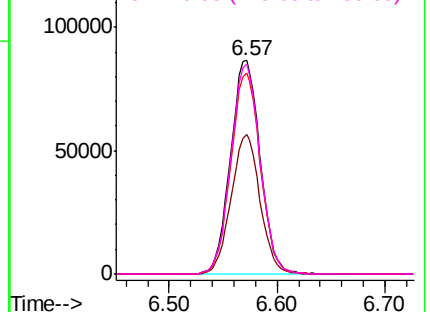
97 65.3 44.9 83.3

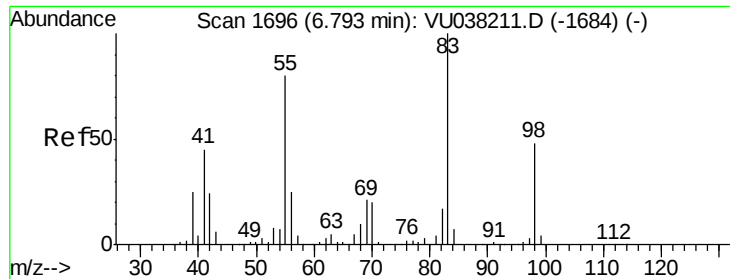
132 93.8 63.3 117.5

130 98.3 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

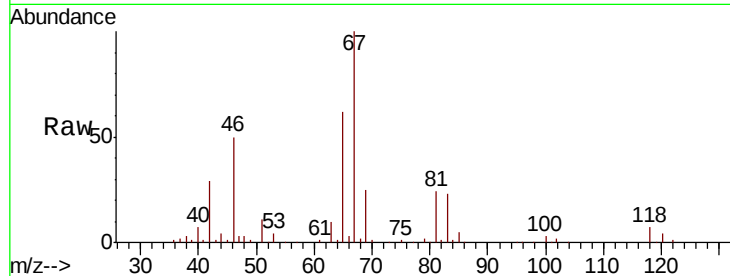




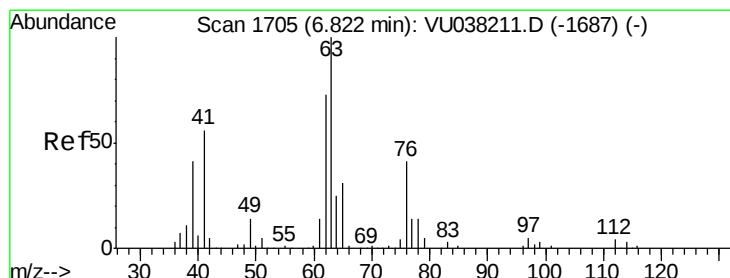
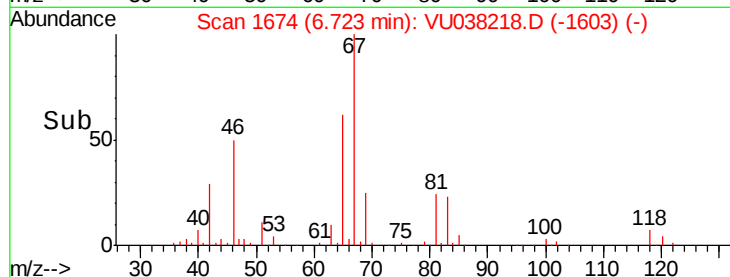
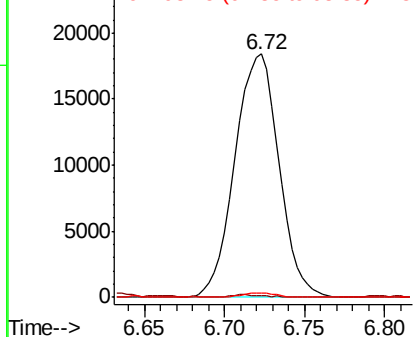
#35
Methvlcvclohexane
Concen: 0.760 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038218.D
Acq: 18 May 2020 14:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 34700
Ion Ratio Lower Upper
83 100
55 0.8 66.7 100.1#
98 1.3 39.4 59.2#

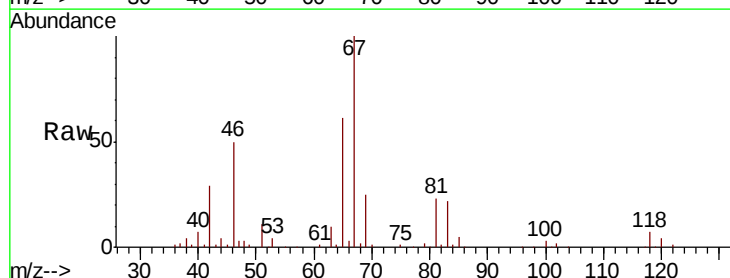


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

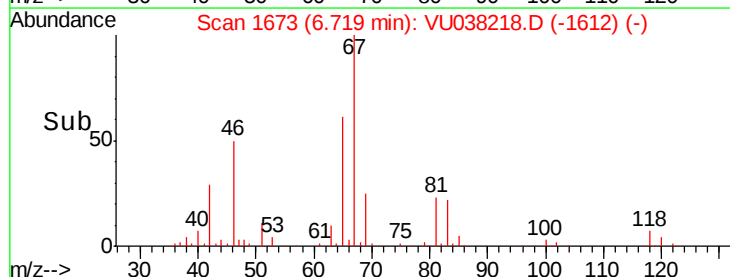
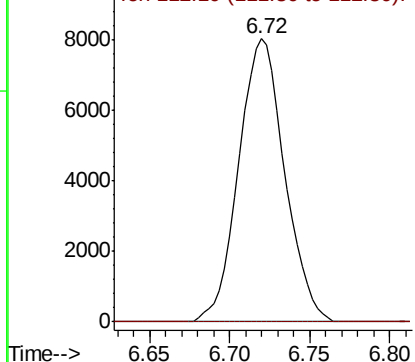


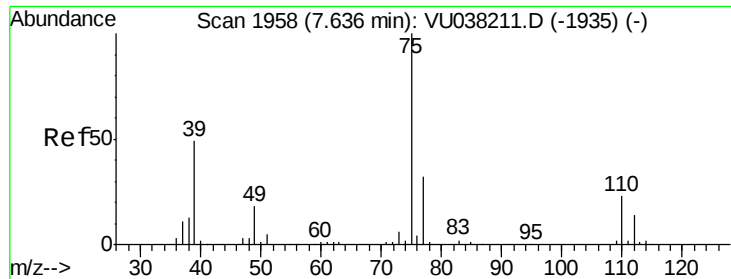
#37
1,2-Dichloropropane
Concen: 0.515 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038218.D
Acq: 18 May 2020 14:25

Tgt Ion: 63 Resp: 15756
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

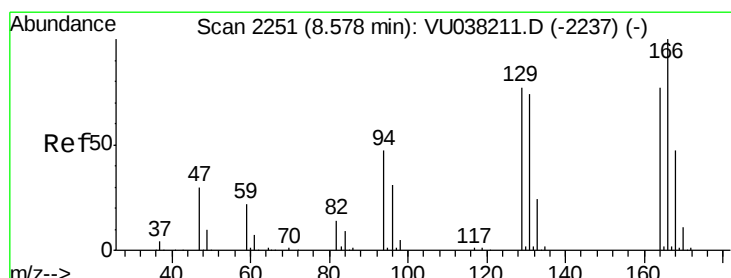
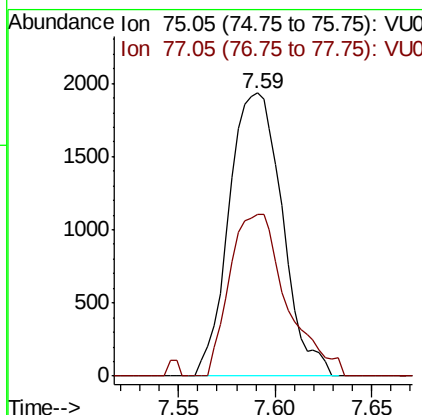
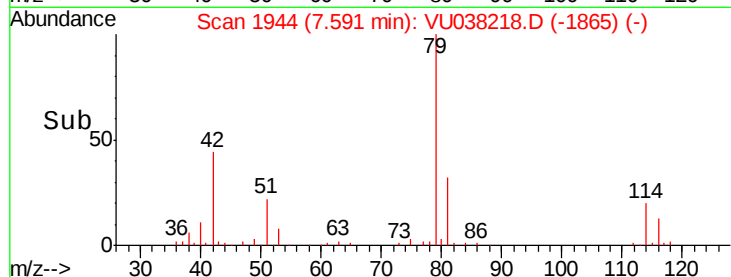
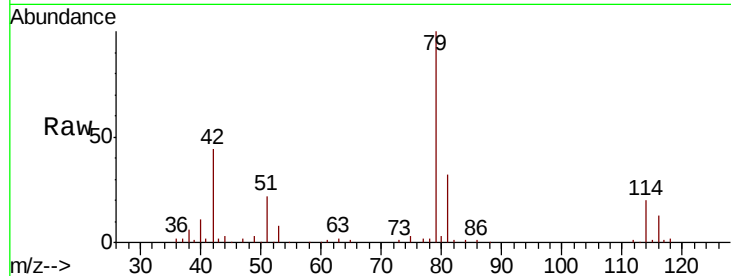




#39
 cis-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038218.D
 Acq: 18 May 2020 14:25

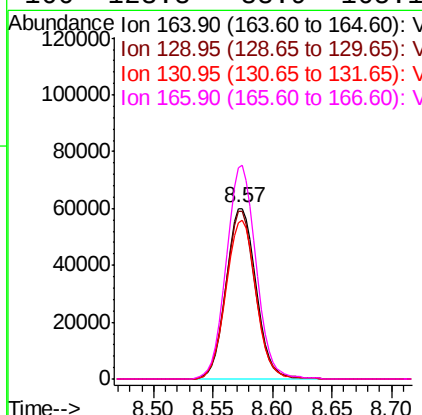
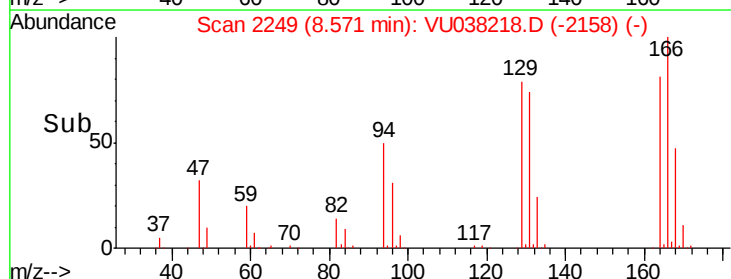
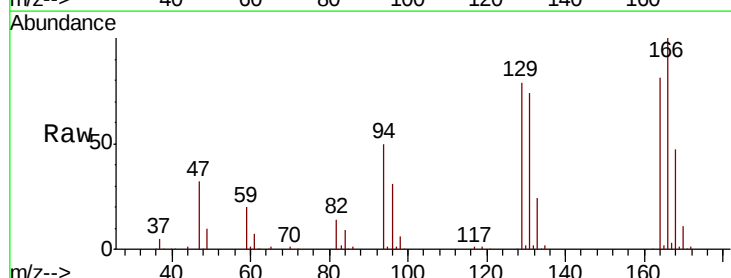
Instrument :
 MSVOA_U
 ClientSampleId :

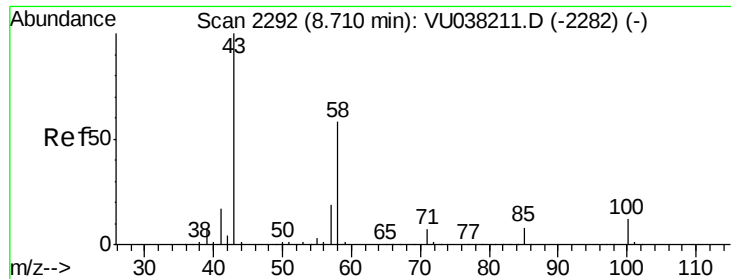
Tot Ion: 75 Resp: 3700
 Ion Ratio Lower Upper
 75 100
 77 57.2 22.4 41.6#



#47
 Tetrachloroethene
 Concen: 5.322 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. -0.01 min
 Lab File: VU038218.D
 Acq: 18 May 2020 14:25

Tgt Ion: 164 Resp: 104865
 Ion Ratio Lower Upper
 164 100
 129 98.0 68.8 127.8
 131 91.5 66.8 124.2
 166 123.8 88.9 165.1

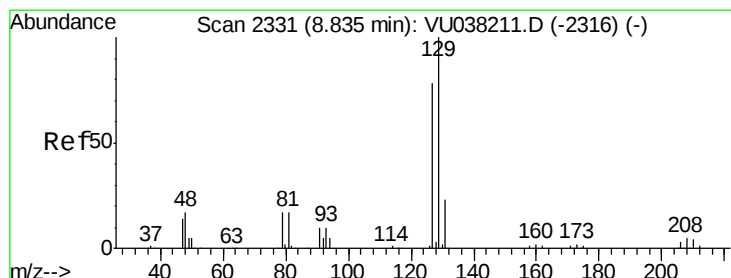
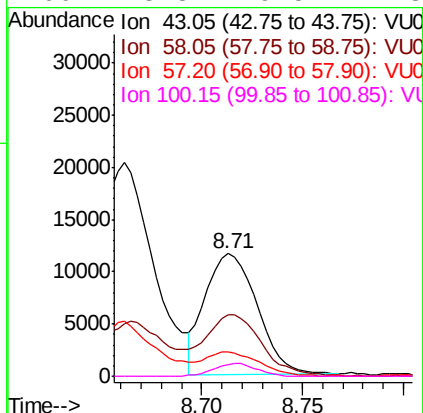
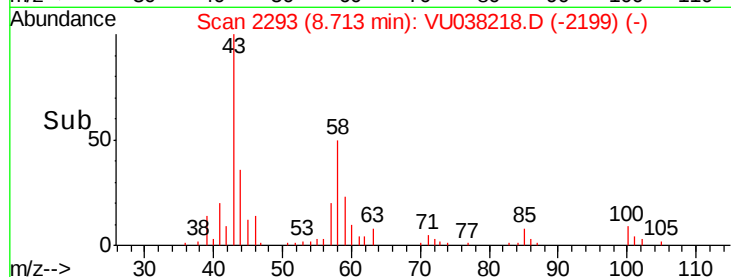
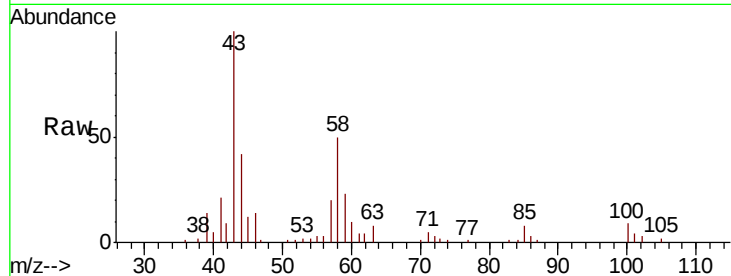




#48
2-Hexanone
Concen: 1.336 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VU038218.D
Acq: 18 May 2020 14:25

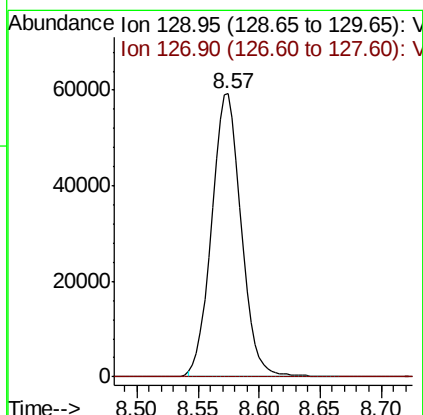
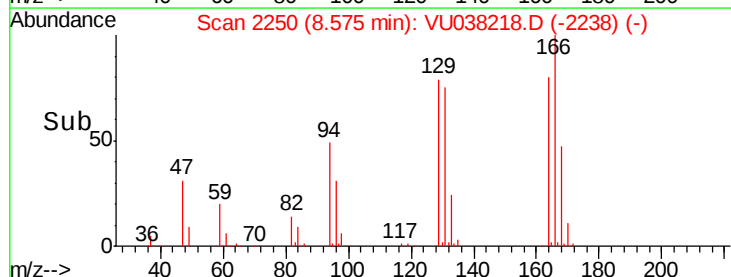
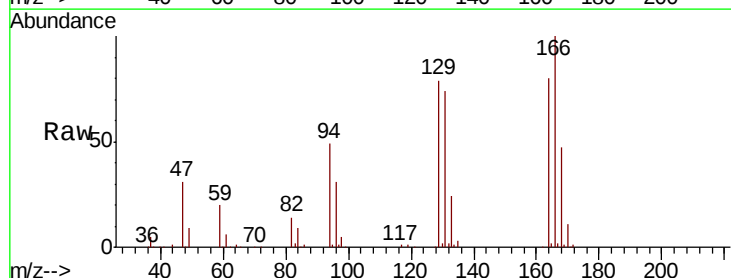
Instrument :
MSVOA_U
ClientSampleId :

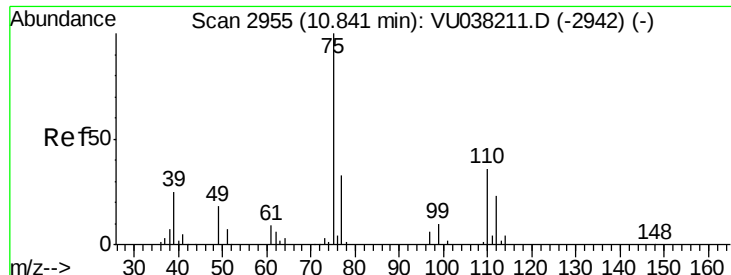
Tot Ion: 43 Resp: 20744
Ion Ratio Lower Upper
43 100
58 57.0 45.2 67.8
57 20.7 15.5 23.3
100 8.8 9.5 14.3#



#49
Dibromochloromethane
Concen: 4.586 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038218.D
Acq: 18 May 2020 14:25

Tgt Ion: 129 Resp: 101094
Ion Ratio Lower Upper
129 100
127 0.3 55.6 103.4#





#59

1,2,3-Trichloropropane

Concen: 1.133 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038218.D

Acq: 18 May 2020 14:25

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 23270

Ion Ratio Lower Upper

75 100

77 36.0 25.4 38.0

