

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051920\
 Data File : VU038235.D
 Acq On : 19 May 2020 15:22
 Operator : JC/MD
 Sample : L2657-07DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSW0DL

Quant Time: May 20 02:57:27 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	356772	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	344808	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	169355	5.00	ug/L	0.00

System Monitoring Compounds

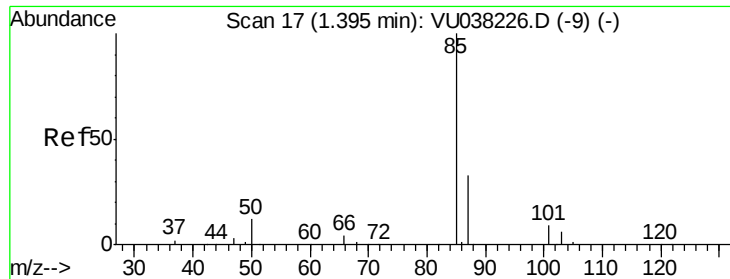
4) Vinyl Chloride-d3	1.61	65	121871	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.93	69	121216	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.58	63	156183	2.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.20%#
20) 2-Butanone-d5	4.67	46	495985	61.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.20%
24) Chloroform-d	5.10	84	229289	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.74	65	143994	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.76	84	467940	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.72	67	163728	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.92	98	395190	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	8.20	79	59801	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.66	63	397385	63.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.00%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	145642	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	161925	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	3893	0.119 ug/L	92
9) Trichlorofluoromethane	2.15	101	31992	0.812 ug/L	98
12) 1,1-Dichloroethene	2.60	96	10001	0.404 ug/L #	1
22) cis-1,2-Dichloroethene	4.70	96	22097	0.759 ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	2797	0.071 ug/L	98
34) Trichloroethene	6.57	95	227635	8.243 ug/L	97
47) Tetrachloroethene	8.57	164	261152	13.519 ug/L	98

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

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Acq On    : 19 May 2020  15:22  
Operator  : JC/MD  
Sample    : L2657-07DL 10X  
Misc      : 25.0mL/MSVOA U/WATER  
ALS Vial  : 1    Sample Multiplier: 1
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#2

Dichlorodifluoromethane

Concen: 0.119 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038235.D

Acq: 19 May 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

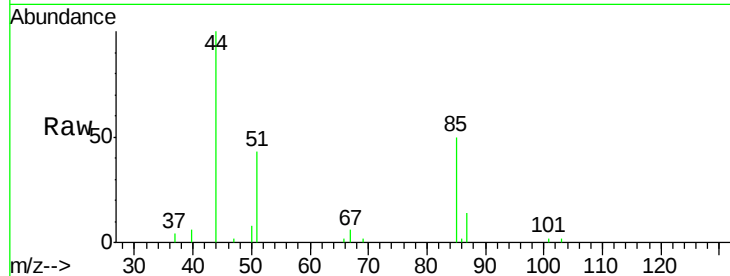
BFSW0DL

Tot Ion: 85 Resp: 3893

Ion Ratio Lower Upper

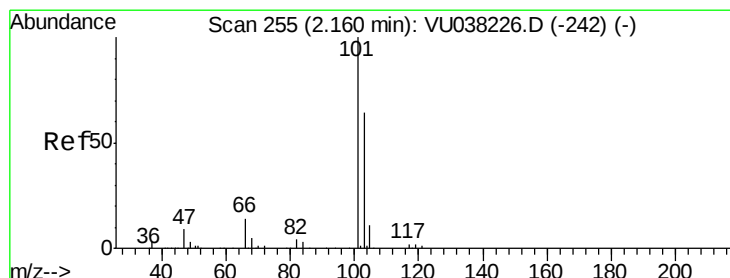
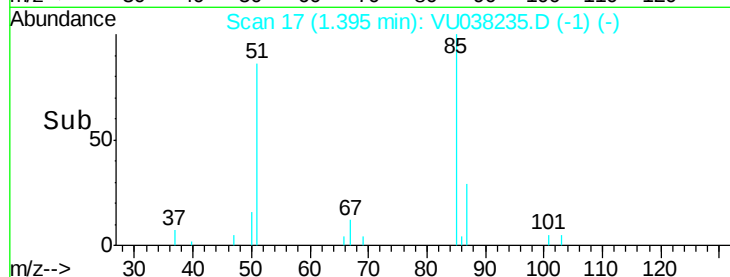
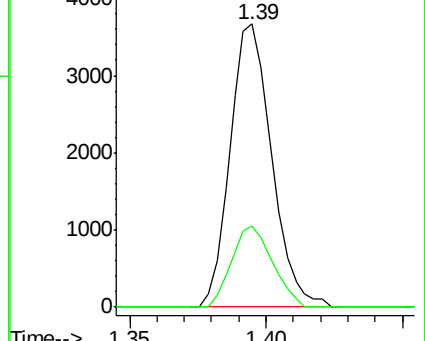
85 100

87 28.2 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) (-)



#9

Trichlorofluoromethane

Concen: 0.812 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.01 min

Lab File: VU038235.D

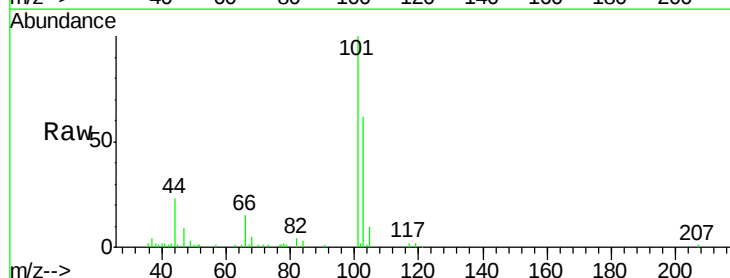
Acq: 19 May 2020 15:22

Tgt Ion: 101 Resp: 31992

Ion Ratio Lower Upper

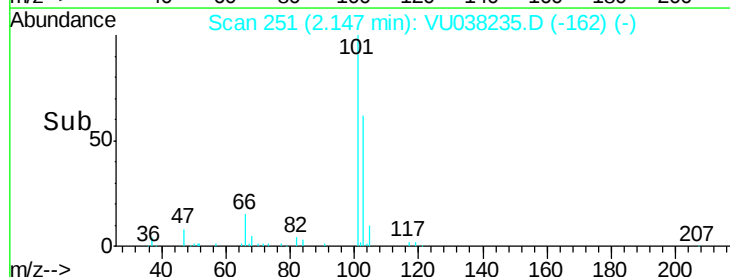
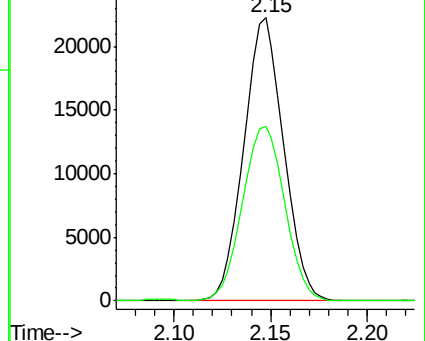
101 100

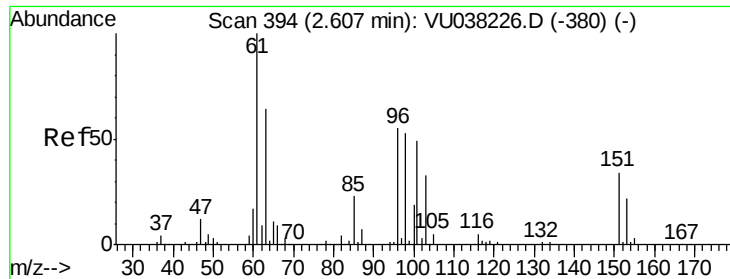
103 65.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038226.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038226.D (-242) (-)





#12

1,1-Dichloroethene

Concen: 0.404 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU038235.D

Acq: 19 May 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

BFSW0DL

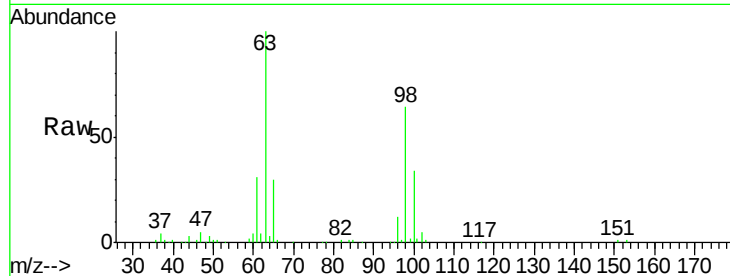
Tot Ion: 96 Resp: 10001

Ion Ratio Lower Upper

96 100

61 258.9 126.2 234.4#

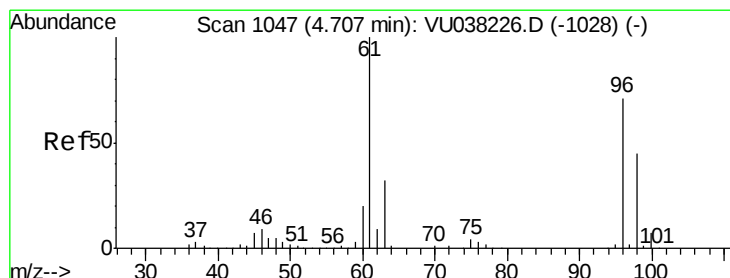
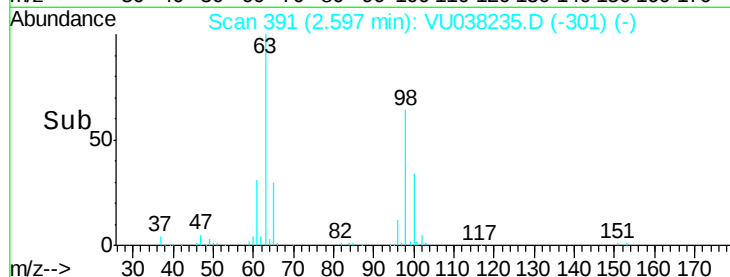
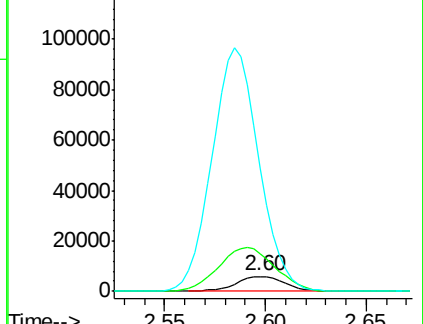
63 840.5 96.9 179.9#



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) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.759 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038235.D

Acq: 19 May 2020 15:22

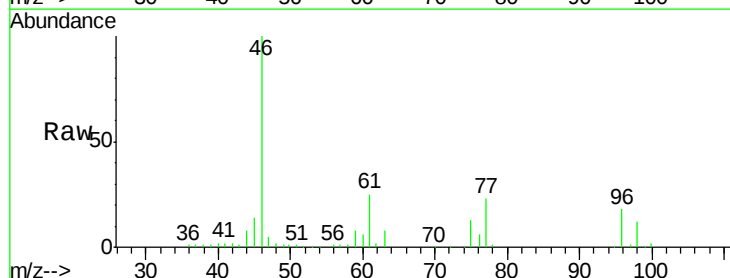
Tgt Ion: 96 Resp: 22097

Ion Ratio Lower Upper

96 100

61 140.8 95.3 176.9

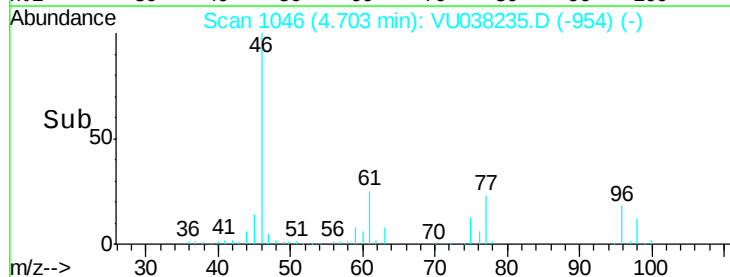
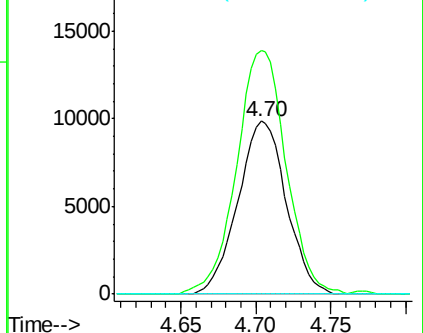
68 0.0 0.0 0.0

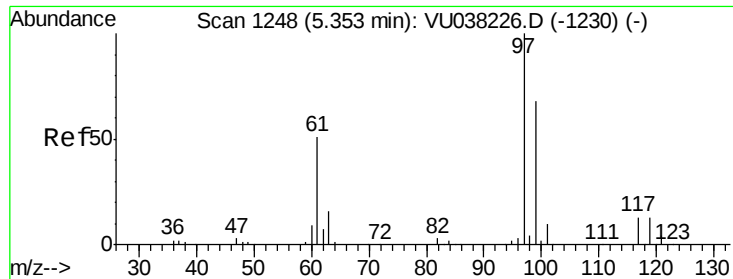


Abundance Ion 96.00 (95.70 to 96.70): VU038226.D (-1028) (-)

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

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

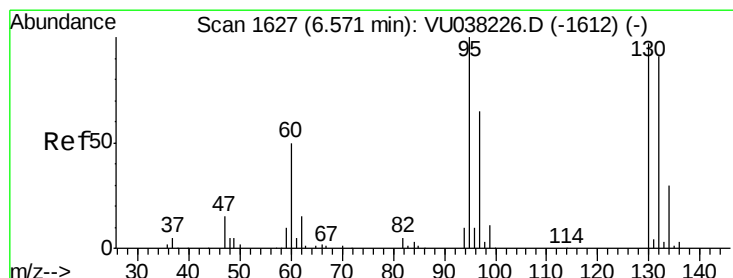
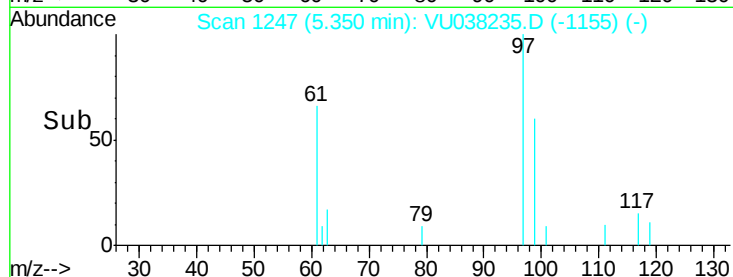
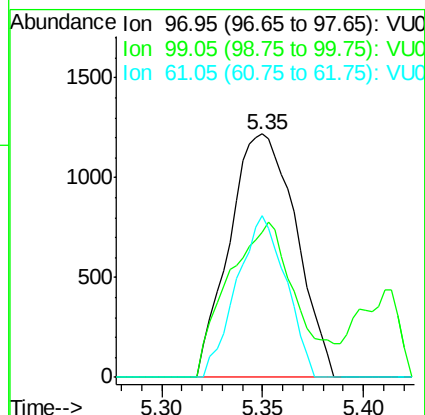
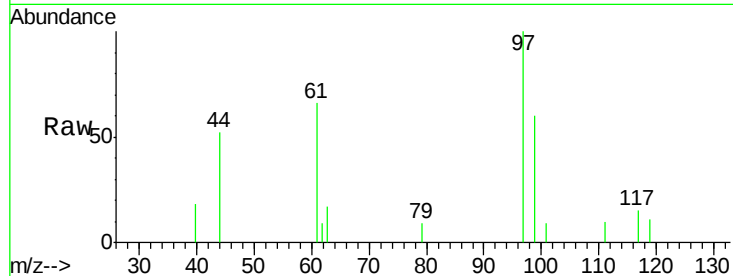




#29
1,1,1-Trichloroethane
Concen: 0.071 ug/L
RT: 5.35 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VU038235.D
Acq: 19 May 2020 15:22

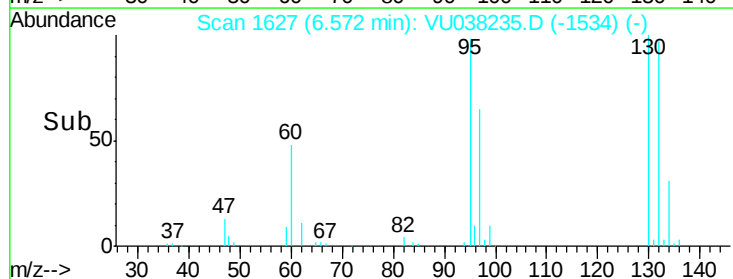
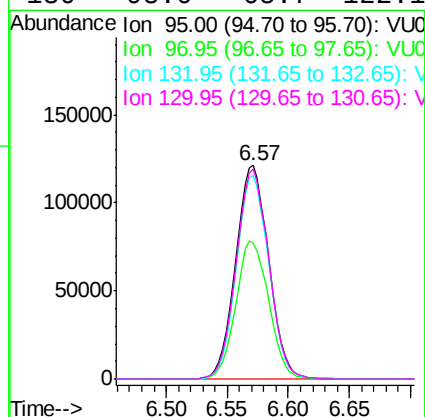
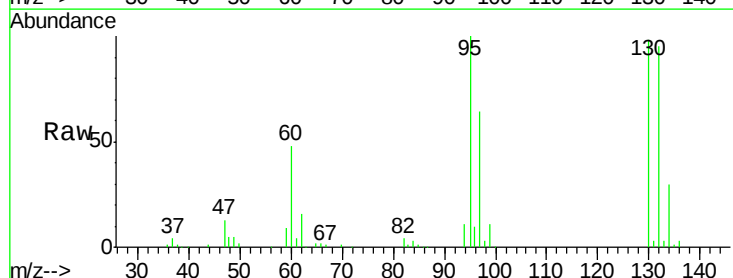
Instrument :
MSVOA_U
ClientSampleId :
BFSW0DL

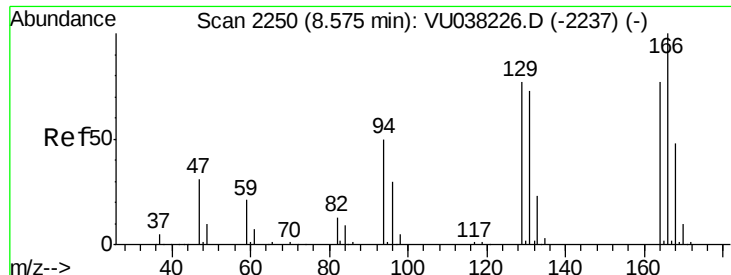
Tot Ion: 97 Resp: 2797
Ion Ratio Lower Upper
97 100
99 65.0 51.0 76.4
61 49.5 38.2 57.4



#34
Trichloroethene
Concen: 8.243 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU038235.D
Acq: 19 May 2020 15:22

Tgt Ion: 95 Resp: 227635
Ion Ratio Lower Upper
95 100
97 63.8 44.9 83.3
132 95.0 63.3 117.5
130 98.0 65.7 122.1





#47

Tetrachloroethene

Concen: 13.519 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038235.D

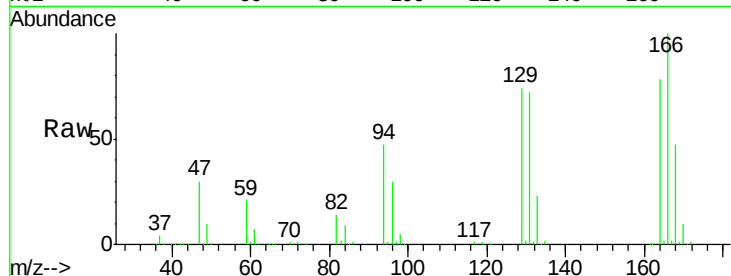
Acq: 19 May 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

BFSW0DL



Tot Ion:164 Resp: 261152

Ion Ratio Lower Upper

164 100

129 95.8 68.8 127.8

131 92.4 66.8 124.2

166 129.0 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

