

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046306.D
 Acq On : 13 Dec 2021 11:45
 Operator : SY/MD
 Sample : M4983-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N6

Quant Time: Dec 14 02:33:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 13 13:51:57 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

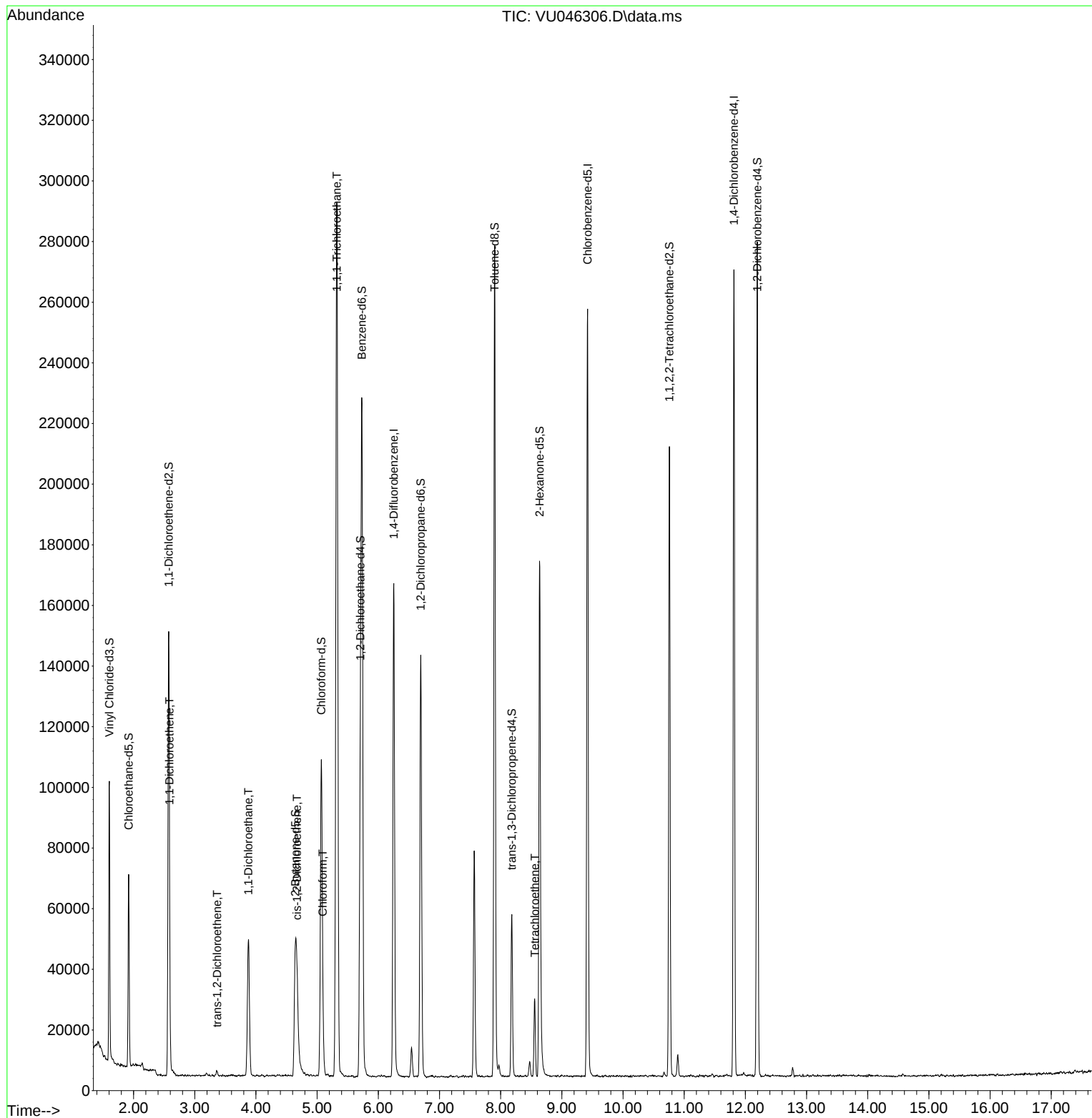
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	133818	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	140510	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	68639	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	65146	59.099	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	118.200%
7) Chloroethane-d5	1.919	69	46815	55.314	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.620%
11) 1,1-Dichloroethene-d2	2.575	63	87440	44.187	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.380%
21) 2-Butanone-d5	4.645	46	92108	105.111	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.110%
24) Chloroform-d	5.070	84	96393	52.364	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.720%
26) 1,2-Dichloroethane-d4	5.707	65	70632	57.173	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.340%
32) Benzene-d6	5.732	84	211130	52.425	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.860%
36) 1,2-Dichloropropane-d6	6.694	67	65484	52.466	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.940%
41) Toluene-d8	7.903	98	181049	49.375	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.760%
43) trans-1,3-Dichloroprop...	8.182	79	30271	50.242	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.480%
47) 2-Hexanone-d5	8.636	63	64214	108.510	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.510%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	101522	53.635	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.280%
66) 1,2-Dichlorobenzene-d4	12.195	152	70138	53.060	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.120%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.588	96	5764	6.230	ug/L	# 1
17) trans-1,2-Dichloroethene	3.366	96	482	0.492	ug/L	88
19) 1,1-Dichloroethane	3.877	63	52503	29.490	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	5803	5.462	ug/L	98
25) Chloroform	5.092	83	10539	5.328	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	210386	121.979	ug/L	98
46) Tetrachloroethene	8.558	164	5880	7.142	ug/L	97

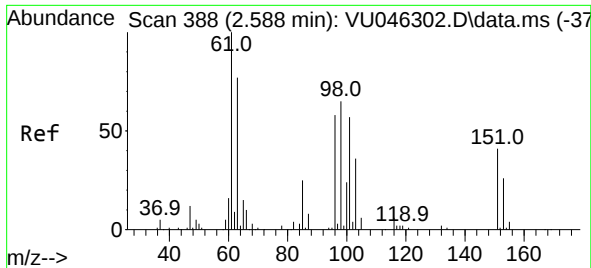
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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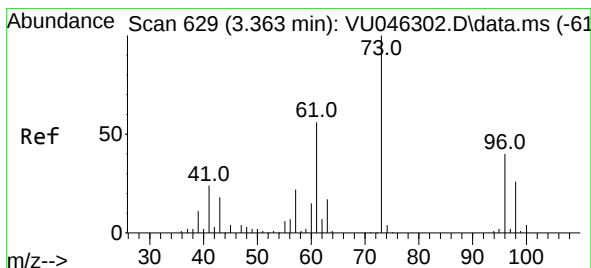
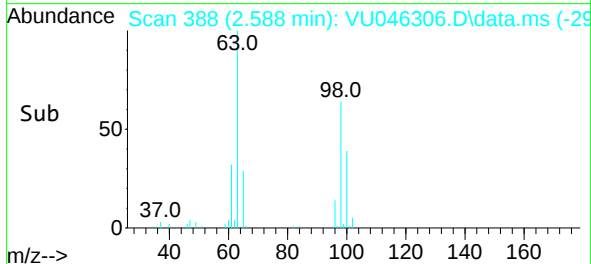
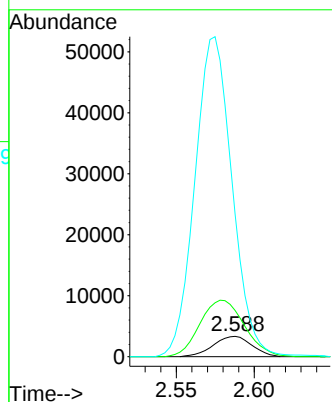
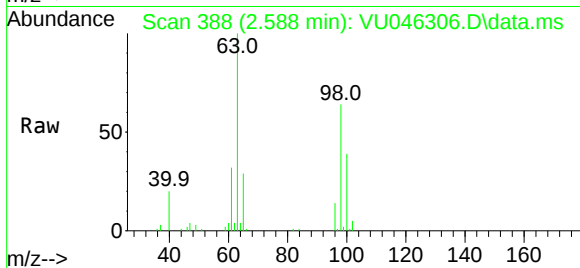




#12
1,1-Dichloroethene
Concen: 6.230 ug/L
RT: 2.588 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU046306.D
Acq: 13 Dec 2021 11:45

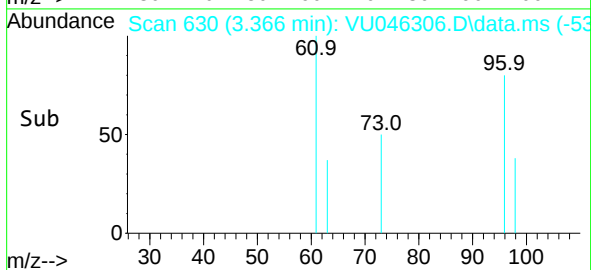
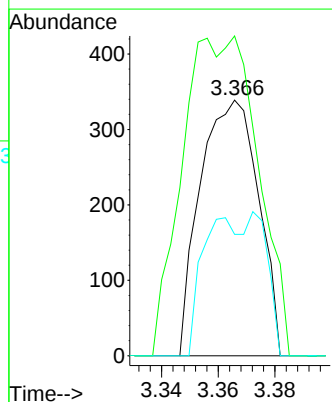
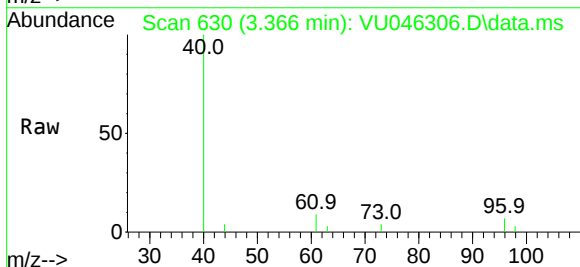
Instrument :
MSVOA_U
ClientSampleId :
EW5N6

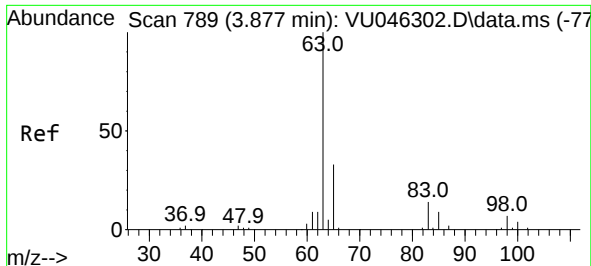
Tgt Ion: 96 Resp: 5764
Ion Ratio Lower Upper
96 100
61 226.5 118.6 220.2#
63 699.6 93.0 172.8#



#17
trans-1,2-Dichloroethene
Concen: 0.492 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.003 min
Lab File: VU046306.D
Acq: 13 Dec 2021 11:45

Tgt Ion: 96 Resp: 482
Ion Ratio Lower Upper
96 100
61 125.1 94.6 175.6
98 47.5 44.0 81.8





#19

1,1-Dichloroethane

Concen: 29.490 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046306.D

Acq: 13 Dec 2021 11:45

Instrument :

MSVOA_U

ClientSampleId :

EW5N6

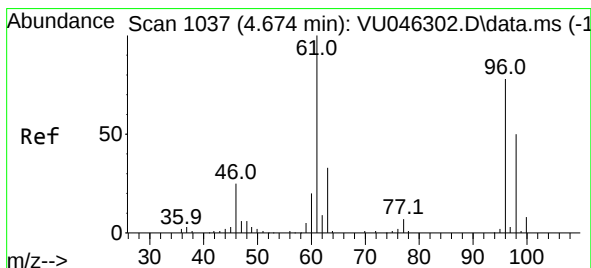
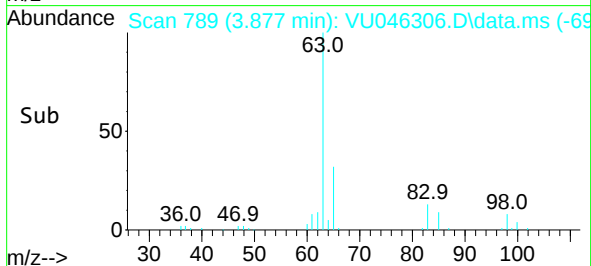
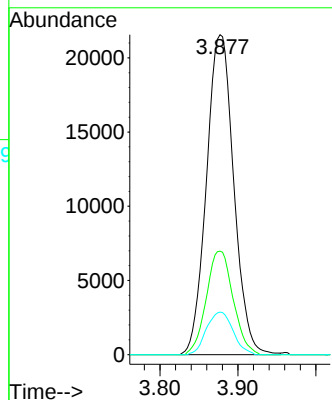
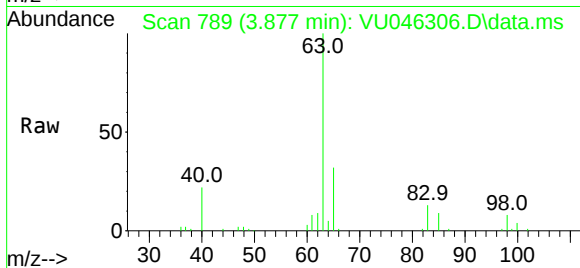
Tgt Ion: 63 Resp: 52503

Ion Ratio Lower Upper

63 100

65 32.4 22.8 42.4

83 13.3 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 5.462 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046306.D

Acq: 13 Dec 2021 11:45

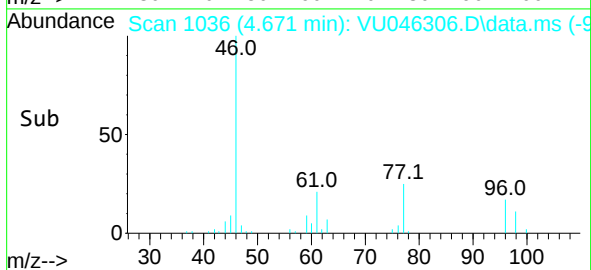
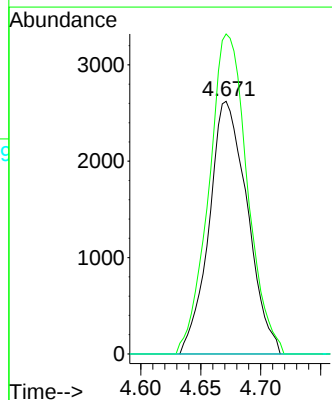
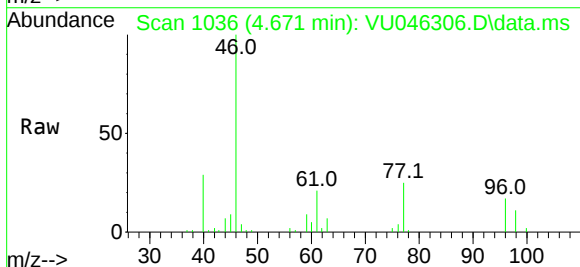
Tgt Ion: 96 Resp: 5803

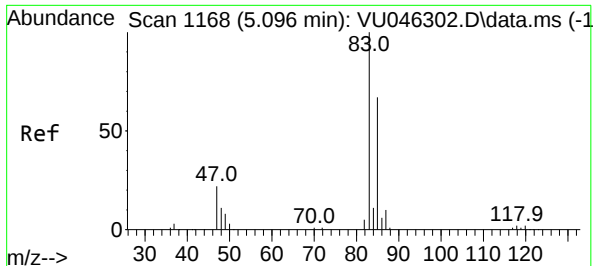
Ion Ratio Lower Upper

96 100

61 126.7 86.8 161.2

68 0.0 0.0 0.0





#25

Chloroform

Concen: 5.328 ug/L

RT: 5.092 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VU046306.D

Acq: 13 Dec 2021 11:45

Instrument :

MSVOA_U

ClientSampleId :

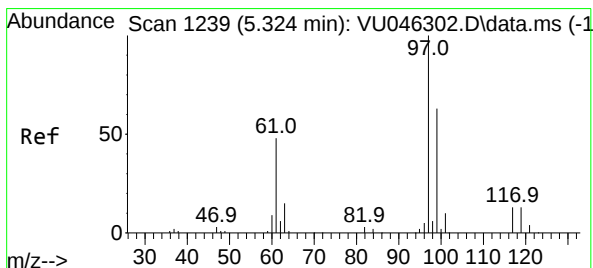
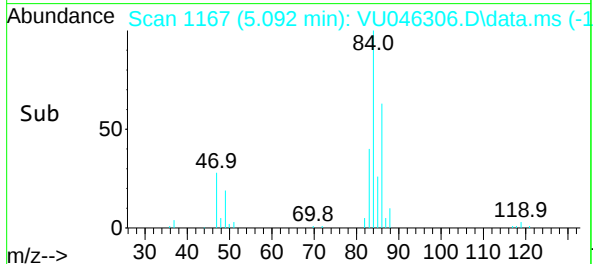
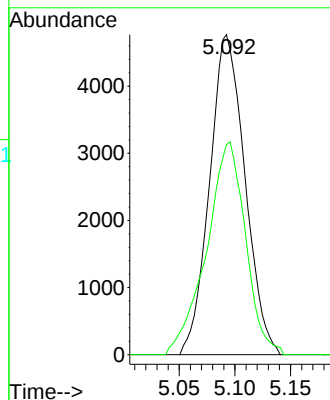
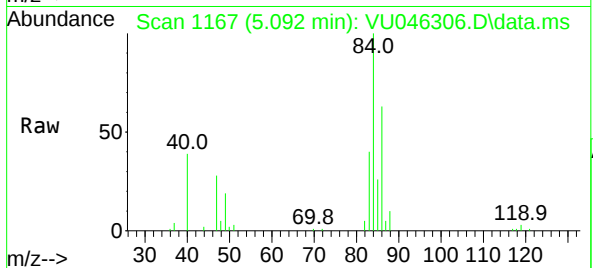
EW5N6

Tgt Ion: 83 Resp: 10539

Ion Ratio Lower Upper

83 100

85 65.7 45.8 85.2



#30

1,1,1-Trichloroethane

Concen: 121.979 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VU046306.D

Acq: 13 Dec 2021 11:45

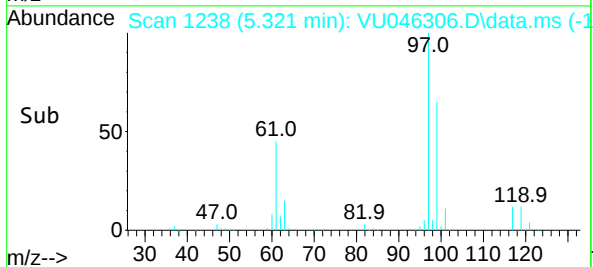
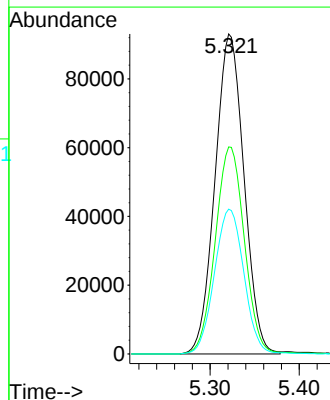
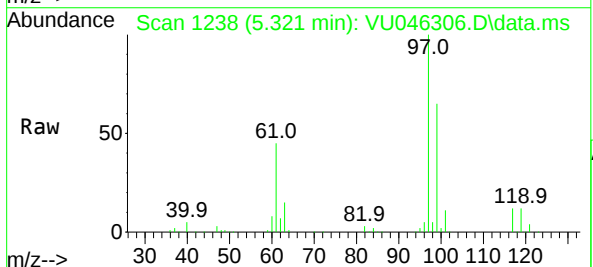
Tgt Ion: 97 Resp: 210386

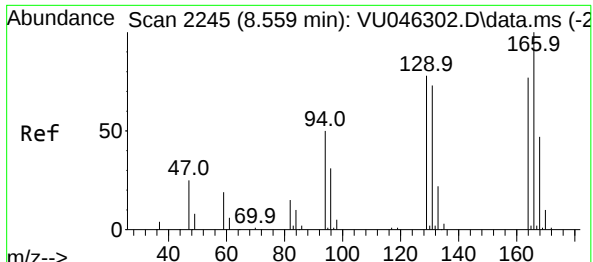
Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.6

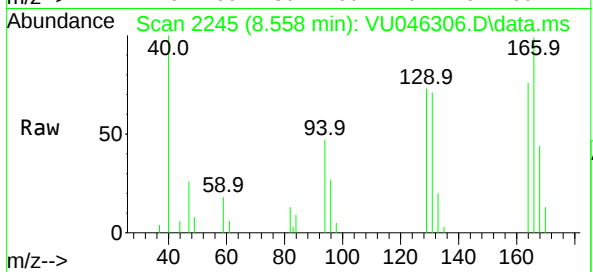
61 45.9 34.4 51.6





#46
 Tetrachloroethene
 Concen: 7.142 ug/L
 RT: 8.558 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU046306.D
 Acq: 13 Dec 2021 11:45

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N6



Tgt Ion:	164	Resp:	5880
Ion	Ratio	Lower	Upper
164	100		
129	96.7	71.1	132.1
131	93.3	67.8	126.0
166	131.0	90.6	168.2

