

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046390.D
 Acq On : 15 Dec 2021 12:29
 Operator : SY/MD
 Sample : M4997-02DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Q2DL

Quant Time: Dec 16 03:08:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

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

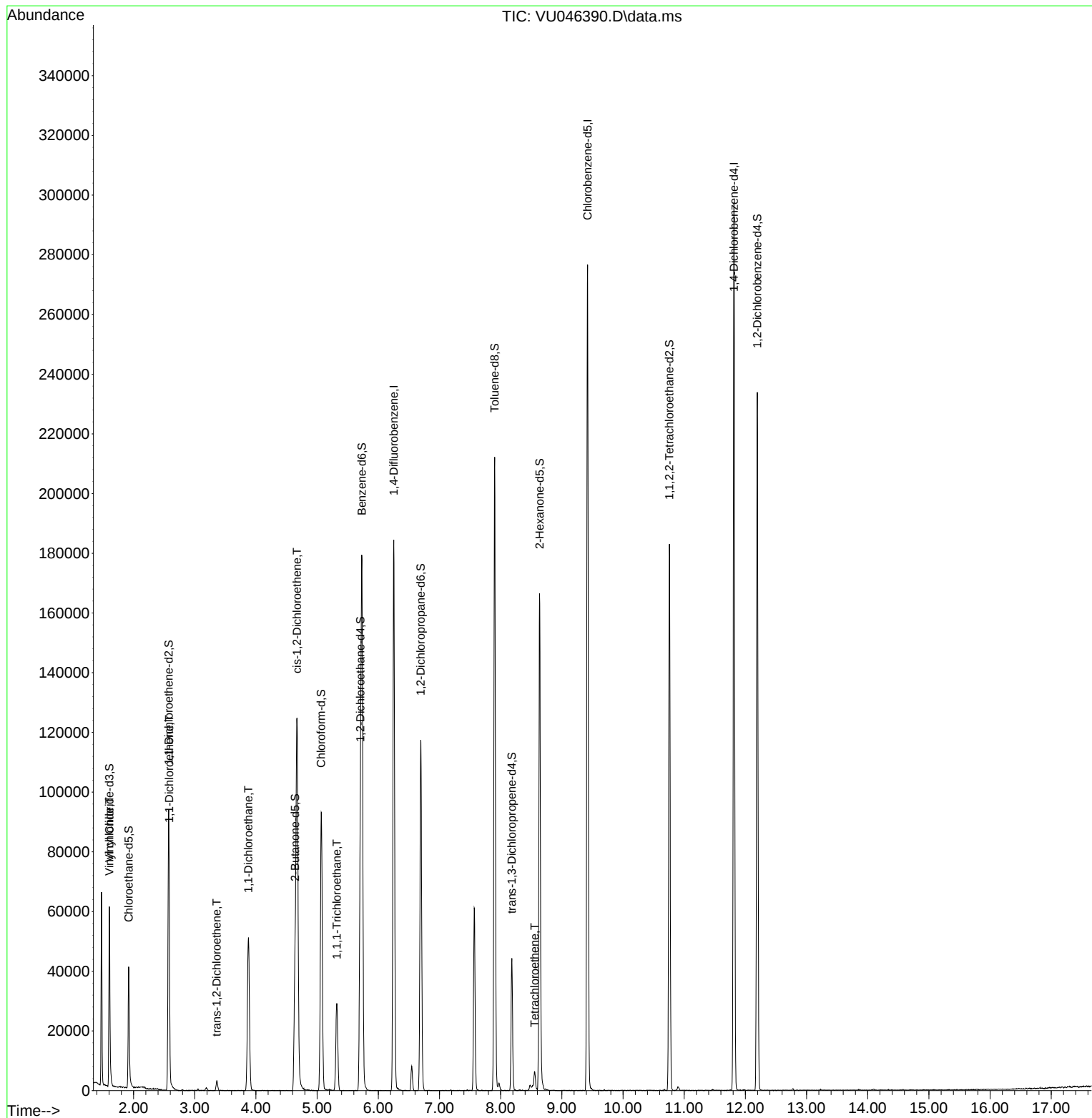
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	147063	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	151450	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	76065	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	40413	33.360	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.720%
7) Chloroethane-d5	1.919	69	33127	35.616	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.240%
11) 1,1-Dichloroethene-d2	2.575	63	56503	25.982	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.960%#
21) 2-Butanone-d5	4.642	46	84329	87.567	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.570%
24) Chloroform-d	5.067	84	88608	43.800	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	5.707	65	59249	43.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.280%
32) Benzene-d6	5.732	84	165767	38.188	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.380%
36) 1,2-Dichloropropane-d6	6.694	67	54323	40.380	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.760%
41) Toluene-d8	7.903	98	138825	35.125	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	70.260%#
43) trans-1,3-Dichloroprop...	8.182	79	25637	39.477	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.960%
47) 2-Hexanone-d5	8.636	63	60386	94.670	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.670%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	88293	43.277	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.560%
66) 1,2-Dichlorobenzene-d4	12.195	152	59492	40.612	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.220%
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	7564	5.242	ug/L	92
12) 1,1-Dichloroethene	2.581	96	831	0.817	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	1502	1.396	ug/L	98
19) 1,1-Dichloroethane	3.877	63	59430	30.374	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	56280	48.200	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	21795	11.724	ug/L	97
46) Tetrachloroethene	8.555	164	1095	1.234	ug/L	99

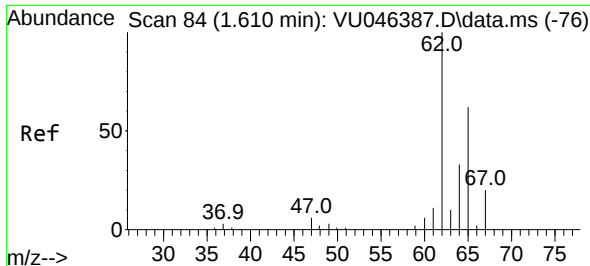
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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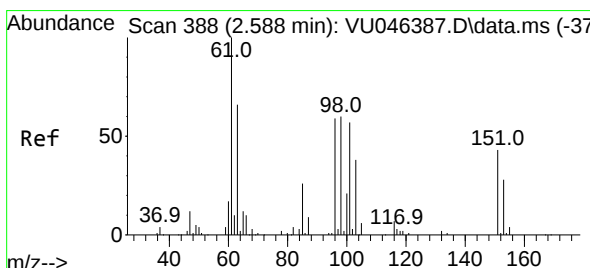
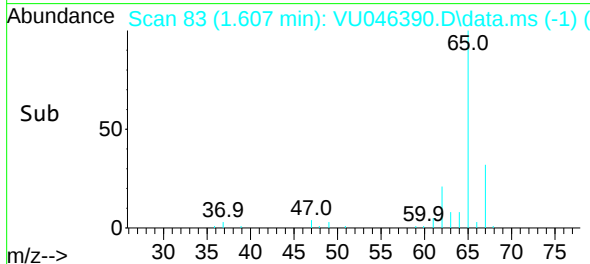
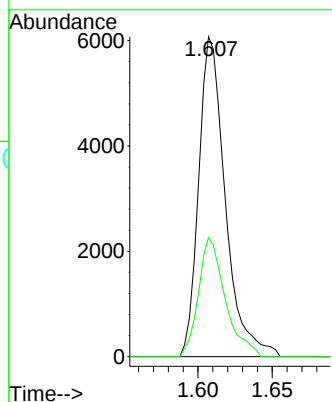
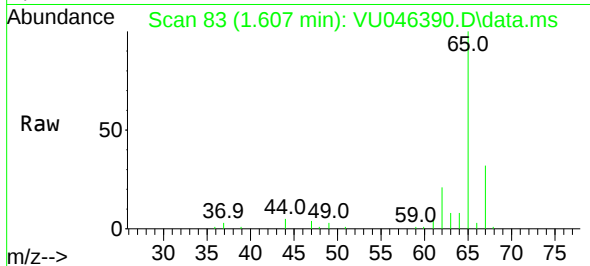




#5
 Vinyl chloride
 Concen: 5.242 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU046390.D
 Acq: 15 Dec 2021 12:29

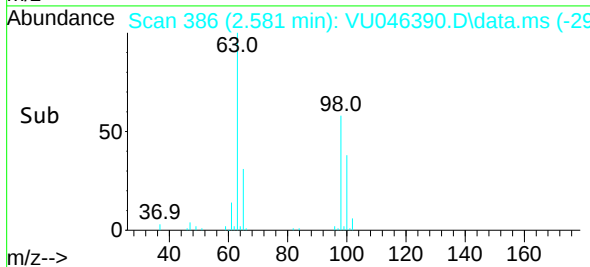
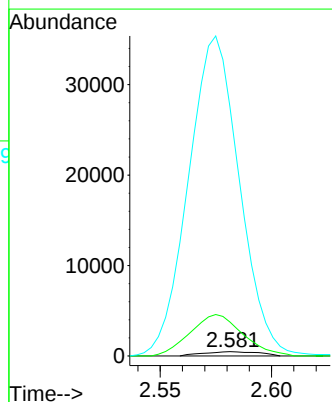
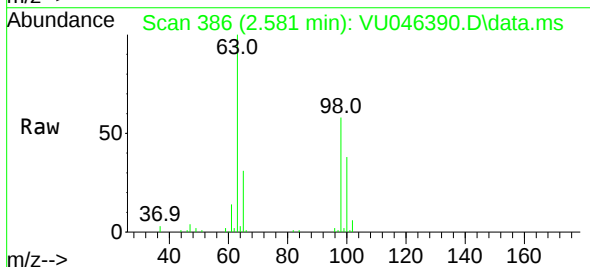
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Q2DL

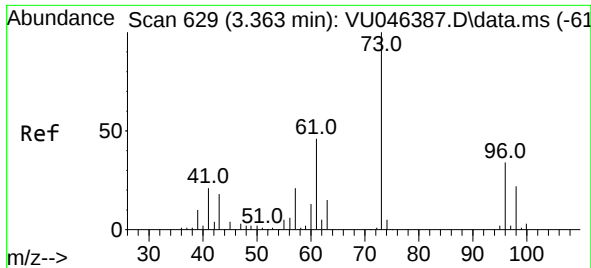
Tgt Ion: 62 Resp: 7564
 Ion Ratio Lower Upper
 62 100
 64 37.1 22.9 42.5



#12
 1,1-Dichloroethene
 Concen: 0.817 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.006 min
 Lab File: VU046390.D
 Acq: 15 Dec 2021 12:29

Tgt Ion: 96 Resp: 831
 Ion Ratio Lower Upper
 96 100
 61 794.1 118.6 220.2#
 63 5819.9 93.0 172.8#

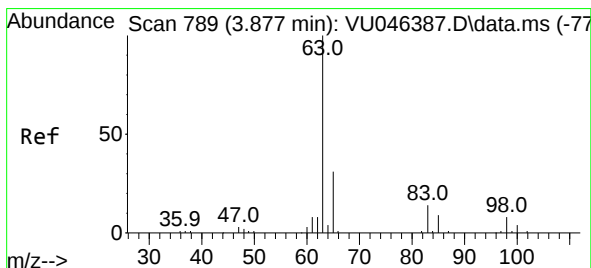
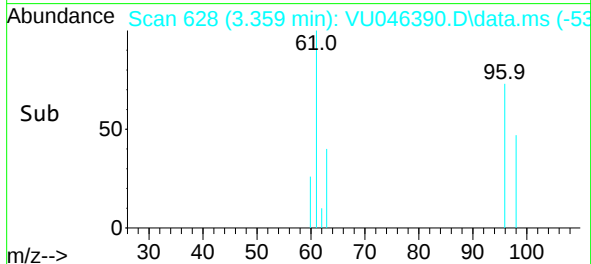
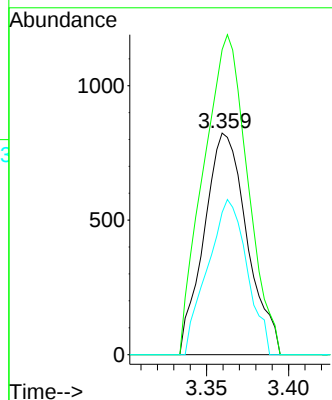
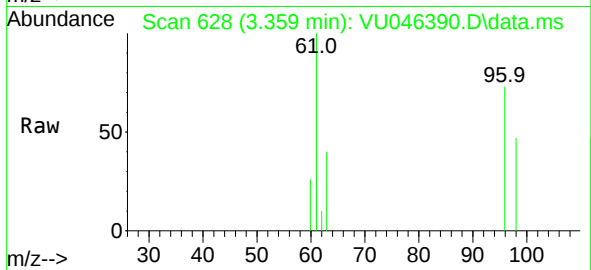




#17
trans-1,2-Dichloroethene
Concen: 1.396 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU046390.D
Acq: 15 Dec 2021 12:29

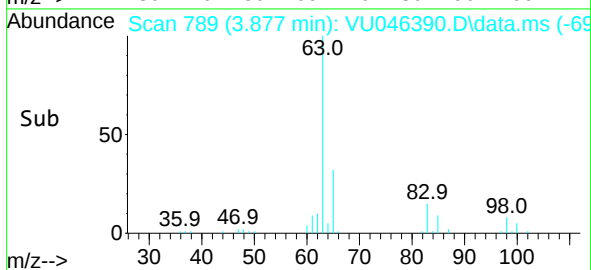
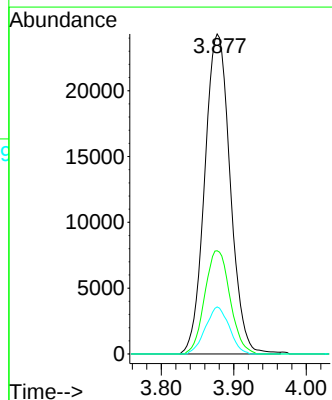
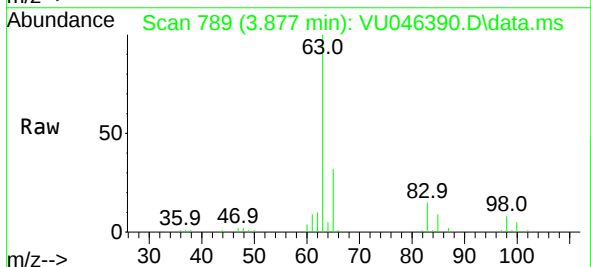
Instrument :
MSVOA_U
ClientSampleId :
EW5Q2DL

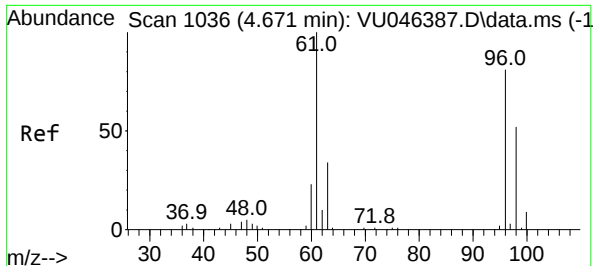
Tgt Ion: 96 Resp: 1502
Ion Ratio Lower Upper
96 100
61 137.6 94.6 175.6
98 64.2 44.0 81.8



#19
1,1-Dichloroethane
Concen: 30.374 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU046390.D
Acq: 15 Dec 2021 12:29

Tgt Ion: 63 Resp: 59430
Ion Ratio Lower Upper
63 100
65 32.3 22.8 42.4
83 14.7 9.6 17.8





#20

cis-1,2-Dichloroethene

Concen: 48.200 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046390.D

Acq: 15 Dec 2021 12:29

Instrument :

MSVOA_U

ClientSampleId :

EW5Q2DL

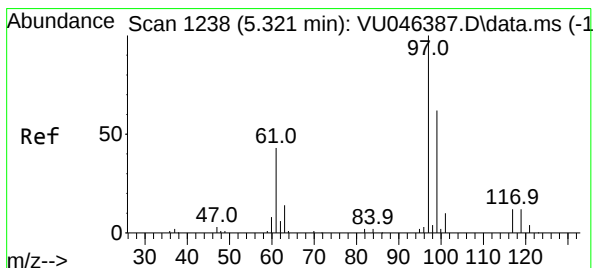
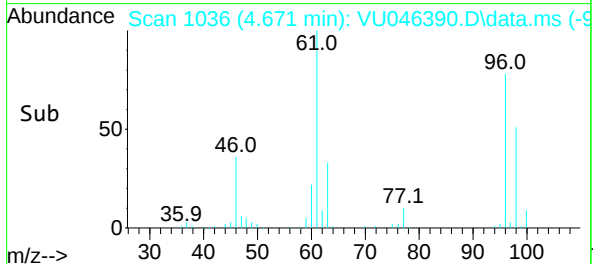
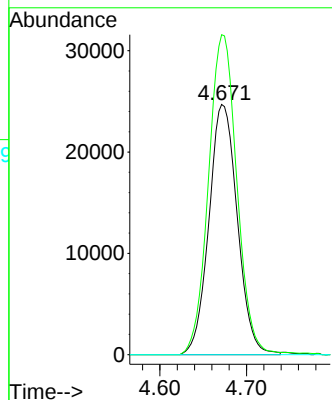
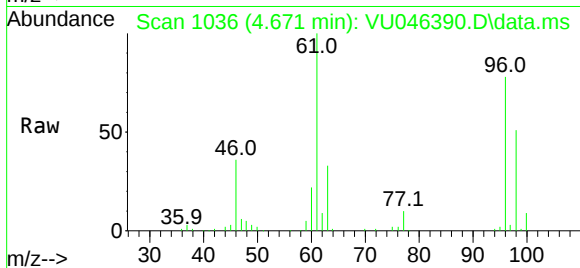
Tgt Ion: 96 Resp: 56280

Ion Ratio Lower Upper

96 100

61 127.9 86.8 161.2

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 11.724 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046390.D

Acq: 15 Dec 2021 12:29

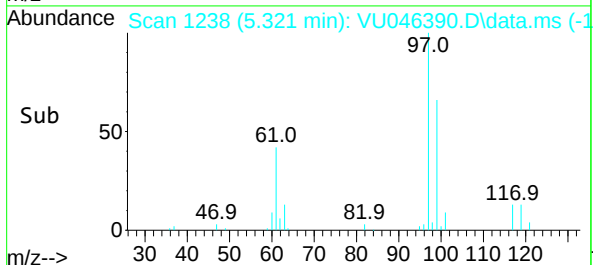
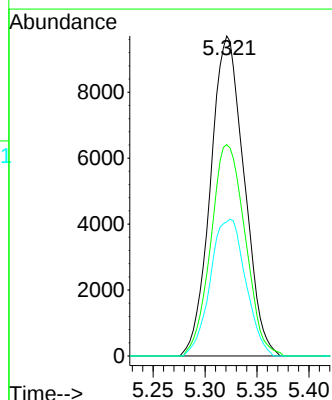
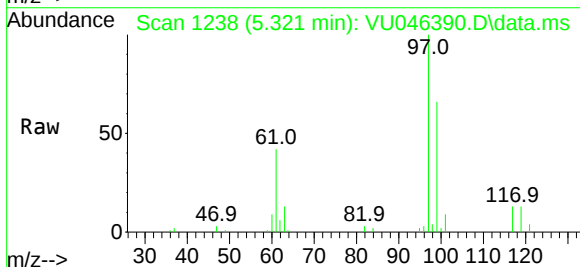
Tgt Ion: 97 Resp: 21795

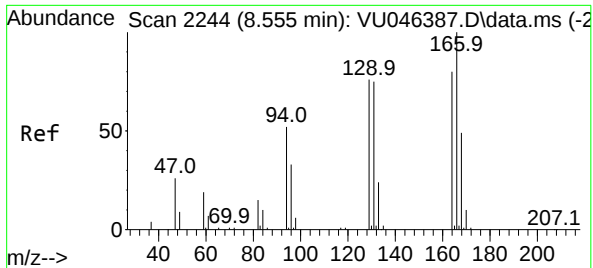
Ion Ratio Lower Upper

97 100

99 67.6 51.8 77.6

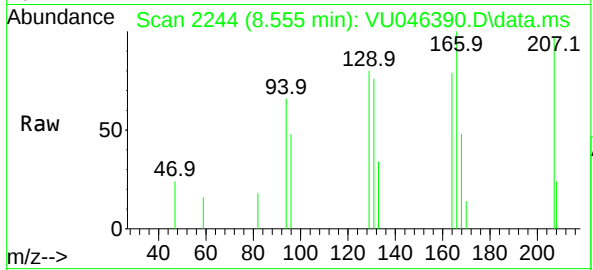
61 44.8 34.4 51.6





#46
 Tetrachloroethene
 Concen: 1.234 ug/L
 RT: 8.555 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU046390.D
 Acq: 15 Dec 2021 12:29

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Q2DL



Tgt Ion:	164	Resp:	1095
Ion	Ratio	Lower	Upper
164	100		
129	101.9	71.1	132.1
131	97.0	67.8	126.0
166	127.2	90.6	168.2

