

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046394.D
 Acq On : 15 Dec 2021 13:59
 Operator : SY/MD
 Sample : M4997-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5R7

Quant Time: Dec 16 03:09:49 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)

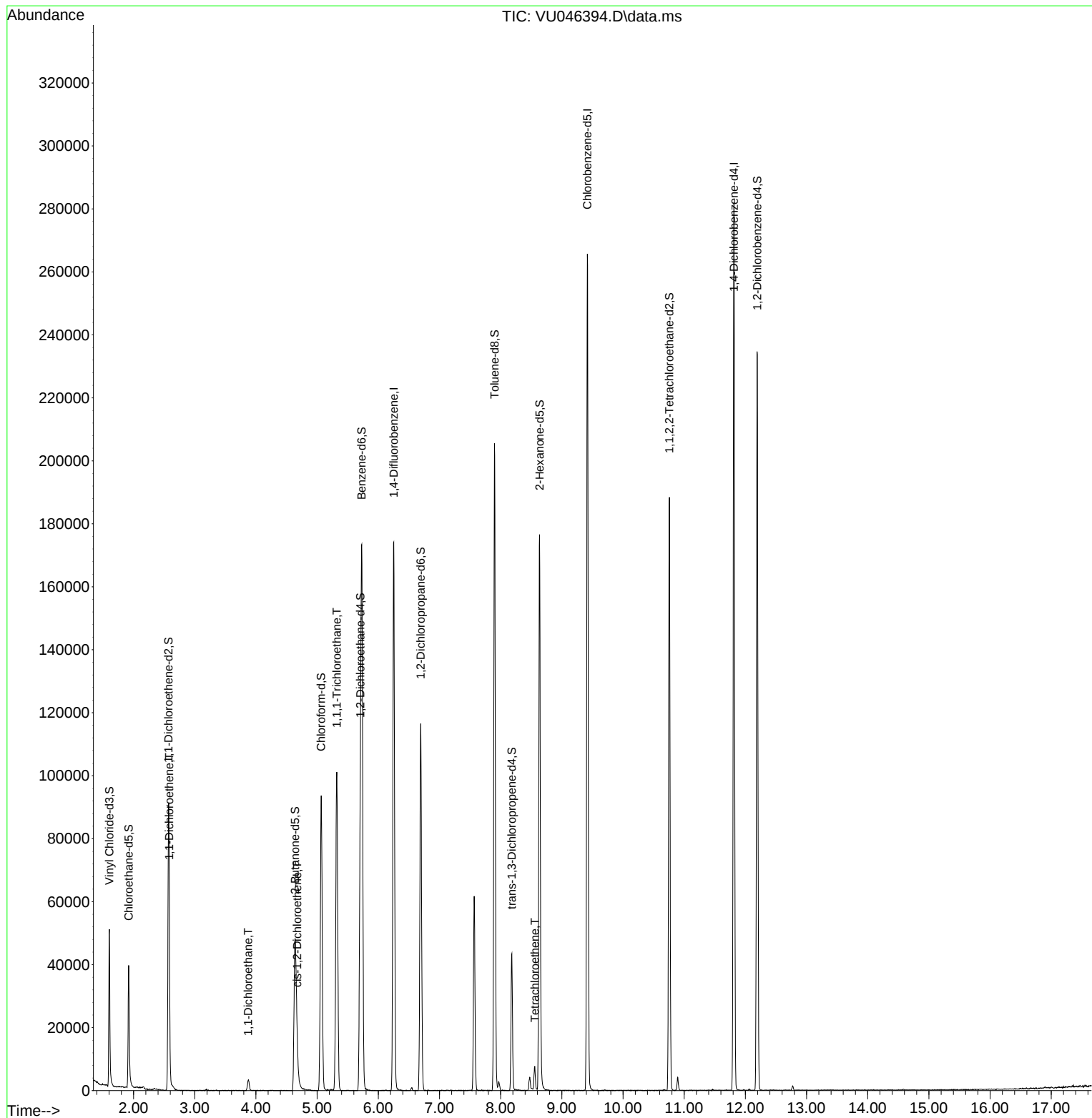
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	140746	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	144439	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	72417	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	38607	33.299	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.600%
7) Chloroethane-d5	1.919	69	31174	35.020	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.040%
11) 1,1-Dichloroethene-d2	2.572	63	54683	26.273	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.540%#
21) 2-Butanone-d5	4.639	46	88409	95.923	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.920%
24) Chloroform-d	5.067	84	87881	45.390	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.780%
26) 1,2-Dichloroethane-d4	5.707	65	58456	44.988	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.980%
32) Benzene-d6	5.729	84	161007	38.892	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.780%
36) 1,2-Dichloropropane-d6	6.694	67	53897	42.008	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.020%
41) Toluene-d8	7.899	98	136059	36.096	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.200%#
43) trans-1,3-Dichloroprop...	8.182	79	25018	40.394	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.780%
47) 2-Hexanone-d5	8.636	63	63941	105.110	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.110%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	91255	46.900	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	60933	43.691	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.380%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.584	96	2496	2.565	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	4324	2.309	ug/L	93
20) cis-1,2-Dichloroethene	4.674	96	2099	1.878	ug/L	91
30) 1,1,1-Trichloroethane	5.321	97	75700	42.696	ug/L	99
46) Tetrachloroethene	8.559	164	1514	1.789	ug/L	87

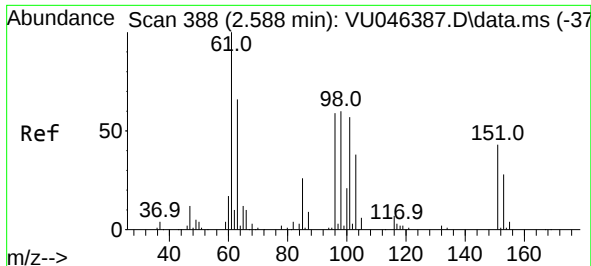
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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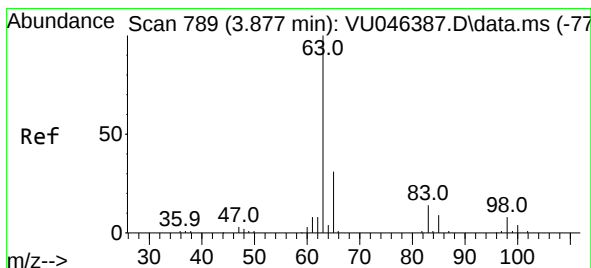
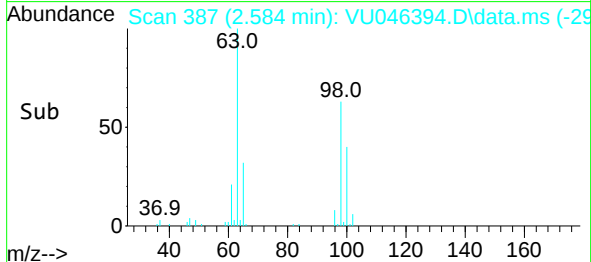
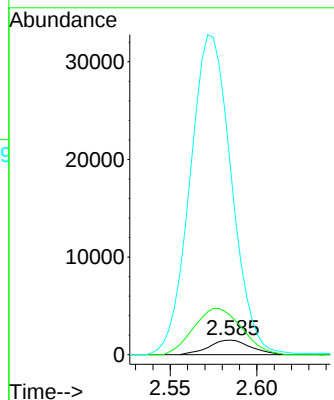
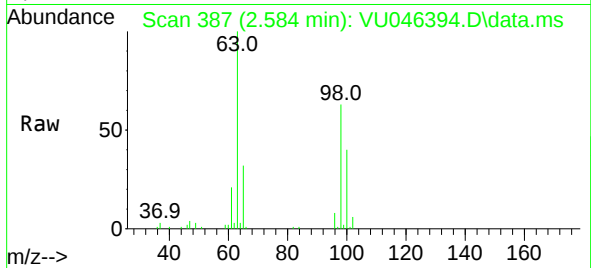




#12
1,1-Dichloroethene
Concen: 2.565 ug/L
RT: 2.584 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU046394.D
Acq: 15 Dec 2021 13:59

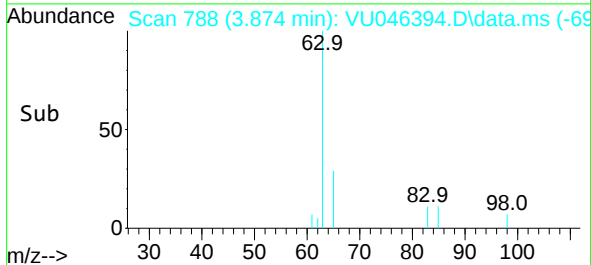
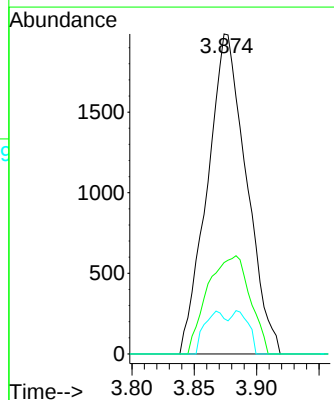
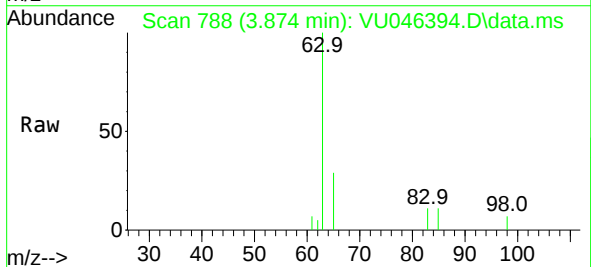
Instrument :
MSVOA_U
ClientSampleId :
EW5R7

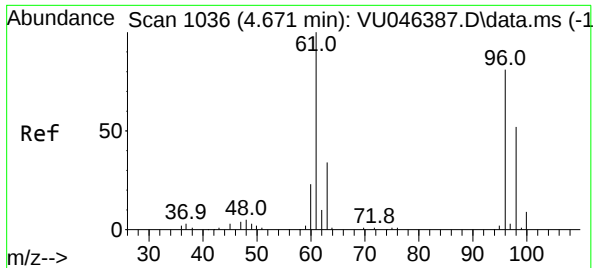
Tgt Ion: 96 Resp: 2496
Ion Ratio Lower Upper
96 100
61 269.5 118.6 220.2#
63 1303.4 93.0 172.8#



#19
1,1-Dichloroethane
Concen: 2.309 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU046394.D
Acq: 15 Dec 2021 13:59

Tgt Ion: 63 Resp: 4324
Ion Ratio Lower Upper
63 100
65 28.5 22.8 42.4
83 11.0 9.6 17.8

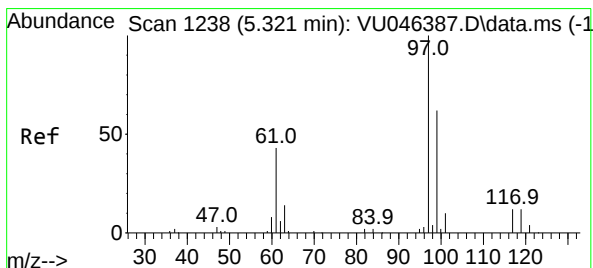
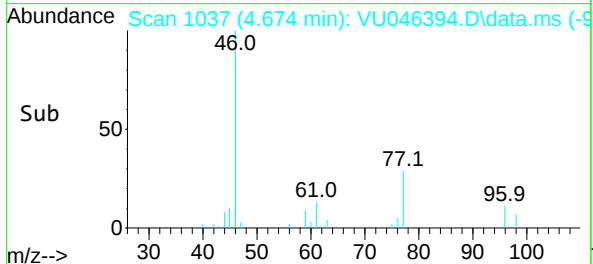
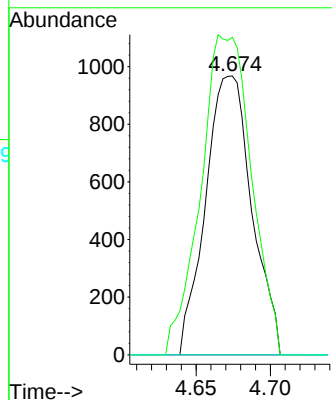
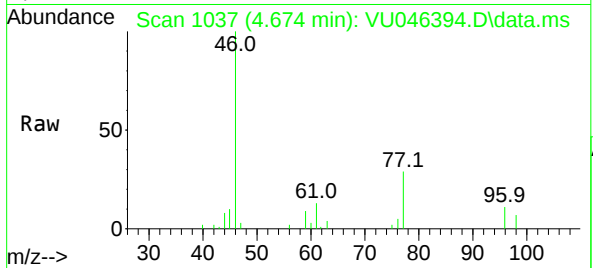




#20
cis-1,2-Dichloroethene
Concen: 1.878 ug/L
RT: 4.674 min Scan# 1036
Delta R.T. 0.003 min
Lab File: VU046394.D
Acq: 15 Dec 2021 13:59

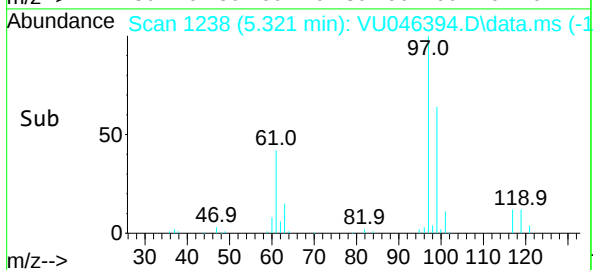
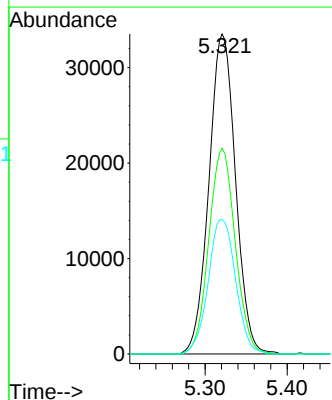
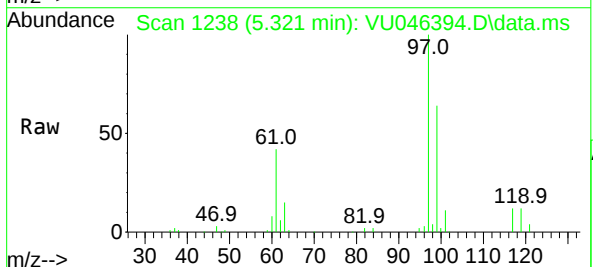
Instrument :
MSVOA_U
ClientSampleId :
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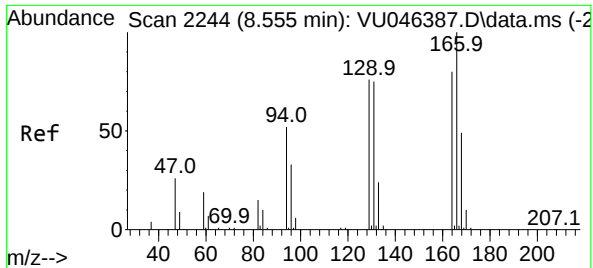
Tgt Ion: 96 Resp: 2099
Ion Ratio Lower Upper
96 100
61 113.8 86.8 161.2
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 42.696 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU046394.D
Acq: 15 Dec 2021 13:59

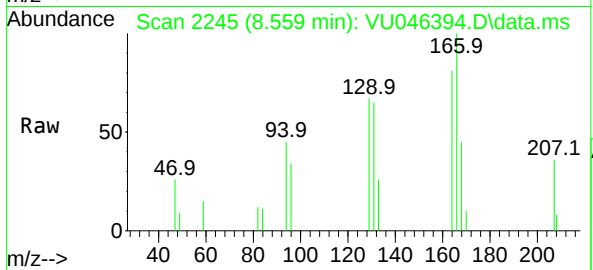
Tgt Ion: 97 Resp: 75700
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.6
61 43.3 34.4 51.6





#46
 Tetrachloroethene
 Concen: 1.789 ug/L
 RT: 8.559 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU046394.D
 Acq: 15 Dec 2021 13:59

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5R7



Tgt Ion:	164	Resp:	1514
Ion	Ratio	Lower	Upper
164	100		
129	82.2	71.1	132.1
131	80.8	67.8	126.0
166	123.5	90.6	168.2

