

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046356.D
 Acq On : 14 Dec 2021 15:20
 Operator : SY/MD
 Sample : M4983-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 15 01:43:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 15 01:40:37 2021
 Response via : Initial Calibration

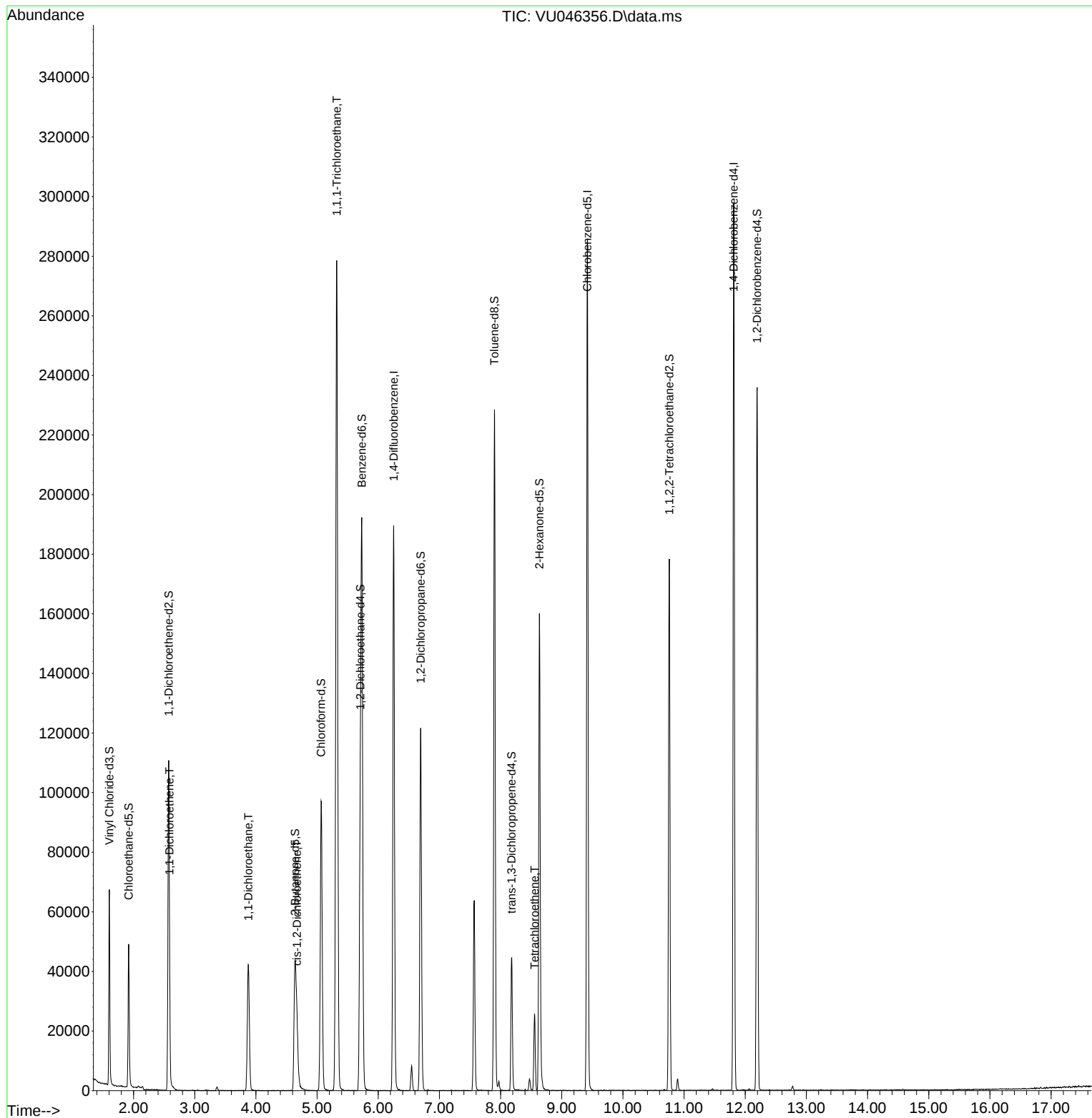
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

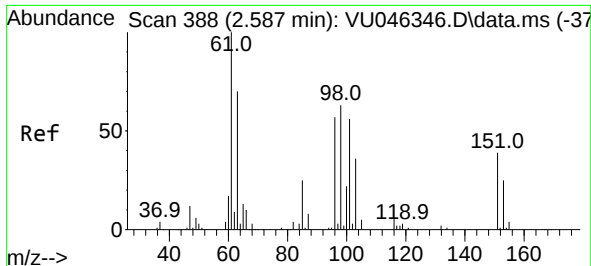
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	150716	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	156816	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	76850	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	46814	37.707	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.420%
7) Chloroethane-d5	1.919	69	37037	38.854	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.700%
11) 1,1-Dichloroethene-d2	2.575	63	65175	29.243	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.480%#
21) 2-Butanone-d5	4.642	46	78970	80.014	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.010%
24) Chloroform-d	5.067	84	92361	44.548	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.100%
26) 1,2-Dichloroethane-d4	5.706	65	62434	44.871	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.740%
32) Benzene-d6	5.732	84	178597	39.736	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.480%
36) 1,2-Dichloropropane-d6	6.694	67	56591	40.626	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.260%
41) Toluene-d8	7.899	98	148068	36.182	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.360%#
43) trans-1,3-Dichloroprop...	8.179	79	25224	37.512	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.020%
47) 2-Hexanone-d5	8.636	63	57317	86.784	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.780%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	87555	41.447	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.900%
66) 1,2-Dichlorobenzene-d4	12.195	152	61117	41.295	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.588	96	4990	4.788	ug/L #	1
19) 1,1-Dichloroethane	3.877	63	48538	24.206	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	5138	4.294	ug/L	92
30) 1,1,1-Trichloroethane	5.321	97	205270	106.638	ug/L	100
46) Tetrachloroethene	8.555	164	5533	6.022	ug/L	94

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

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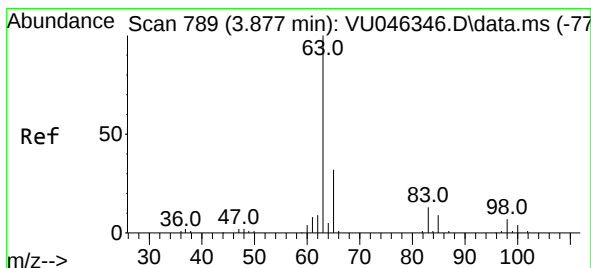
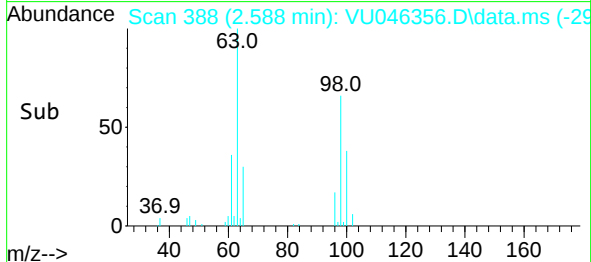
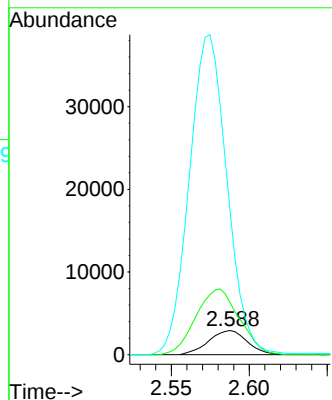
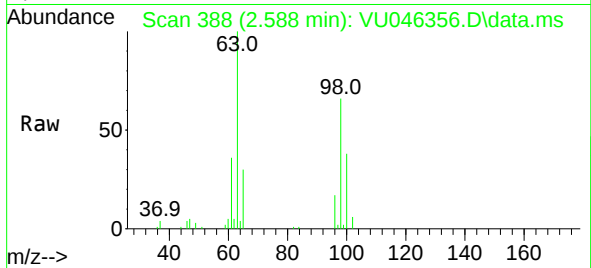
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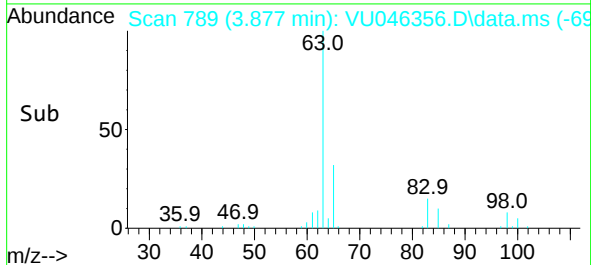
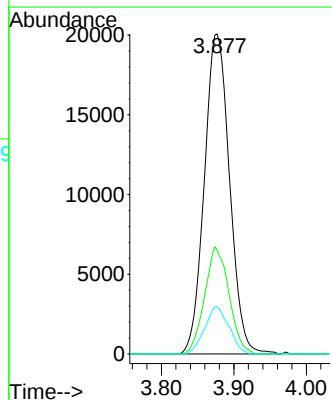
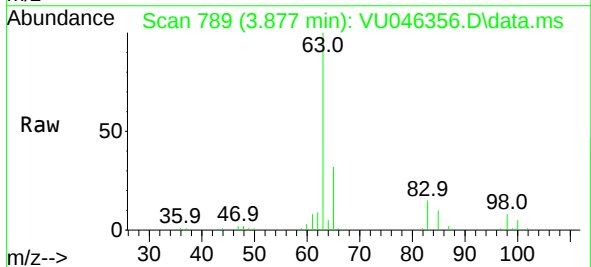
#12
1,1-Dichloroethene
Concen: 4.788 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.000 min
Lab File: VU046356.D
Acq: 14 Dec 2021 15:20

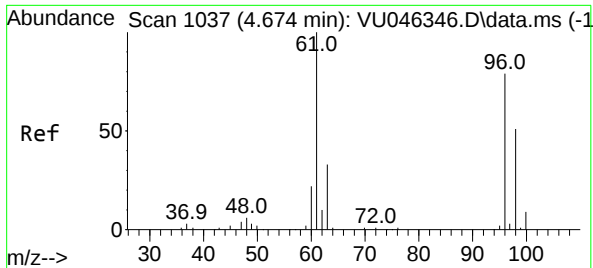
Tgt Ion: 96 Resp: 4990
Ion Ratio Lower Upper
96 100
61 215.3 118.6 220.2
63 593.4 93.0 172.8#



#19
1,1-Dichloroethane
Concen: 24.206 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU046356.D
Acq: 14 Dec 2021 15:20

Tgt Ion: 63 Resp: 48538
Ion Ratio Lower Upper
63 100
65 32.4 22.8 42.4
83 14.8 9.6 17.8





#20

cis-1,2-Dichloroethene

Concen: 4.294 ug/L

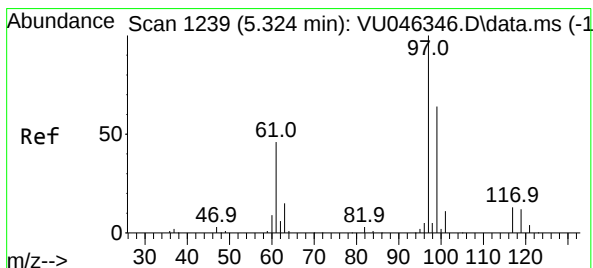
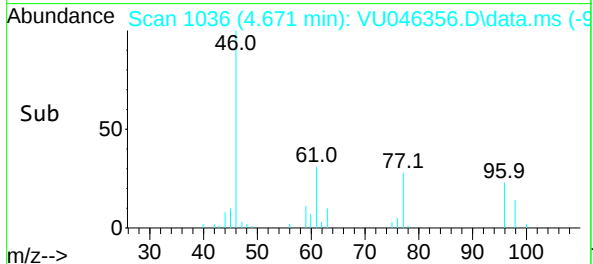
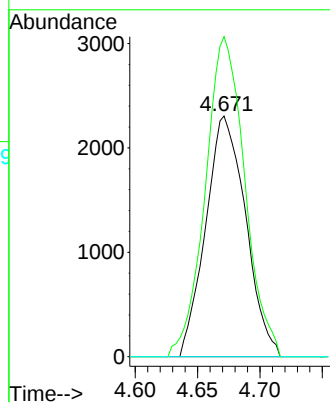
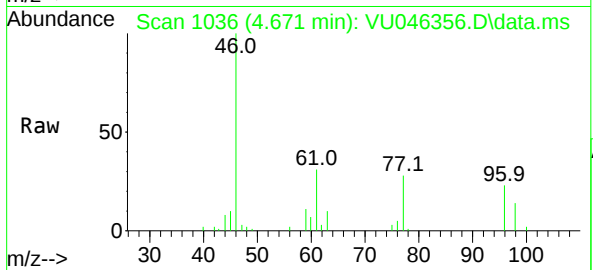
RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046356.D

Acq: 14 Dec 2021 15:20

Tgt Ion: 96	Resp: 5138
Ion Ratio	Lower Upper
96 100	
61 133.0	86.8 161.2
68 0.0	0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 106.638 ug/L

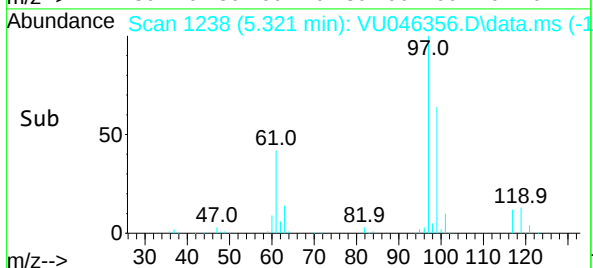
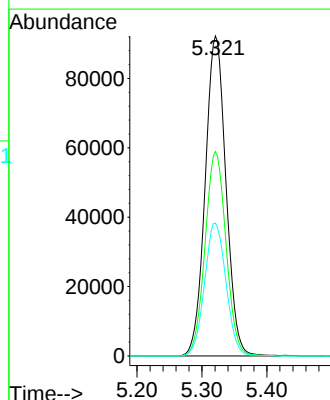
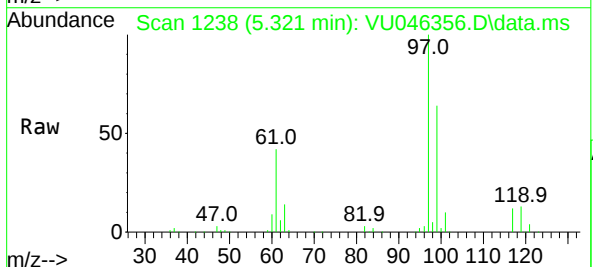
RT: 5.321 min Scan# 1238

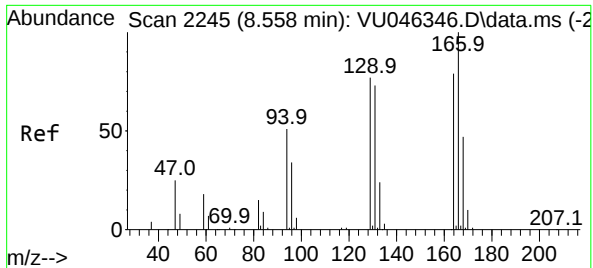
Delta R.T. -0.003 min

Lab File: VU046356.D

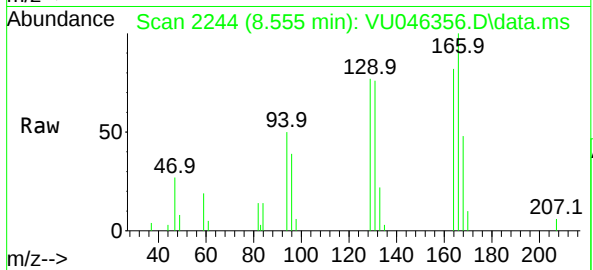
Acq: 14 Dec 2021 15:20

Tgt Ion: 97	Resp: 205270
Ion Ratio	Lower Upper
97 100	
99 64.5	51.8 77.6
61 42.9	34.4 51.6





#46
Tetrachloroethene
Concen: 6.022 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU046356.D
Acq: 14 Dec 2021 15:20



Tgt Ion:	164	Resp:	5533
Ion	Ratio	Lower	Upper
164	100		
129	93.7	71.1	132.1
131	93.3	67.8	126.0
166	122.4	90.6	168.2

