

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121623\
 Data File : VU056937.D
 Acq On : 16 Dec 2023 19:17
 Operator : MD/SY
 Sample : 05810-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F7C84

Quant Time: Dec 16 23:48:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

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

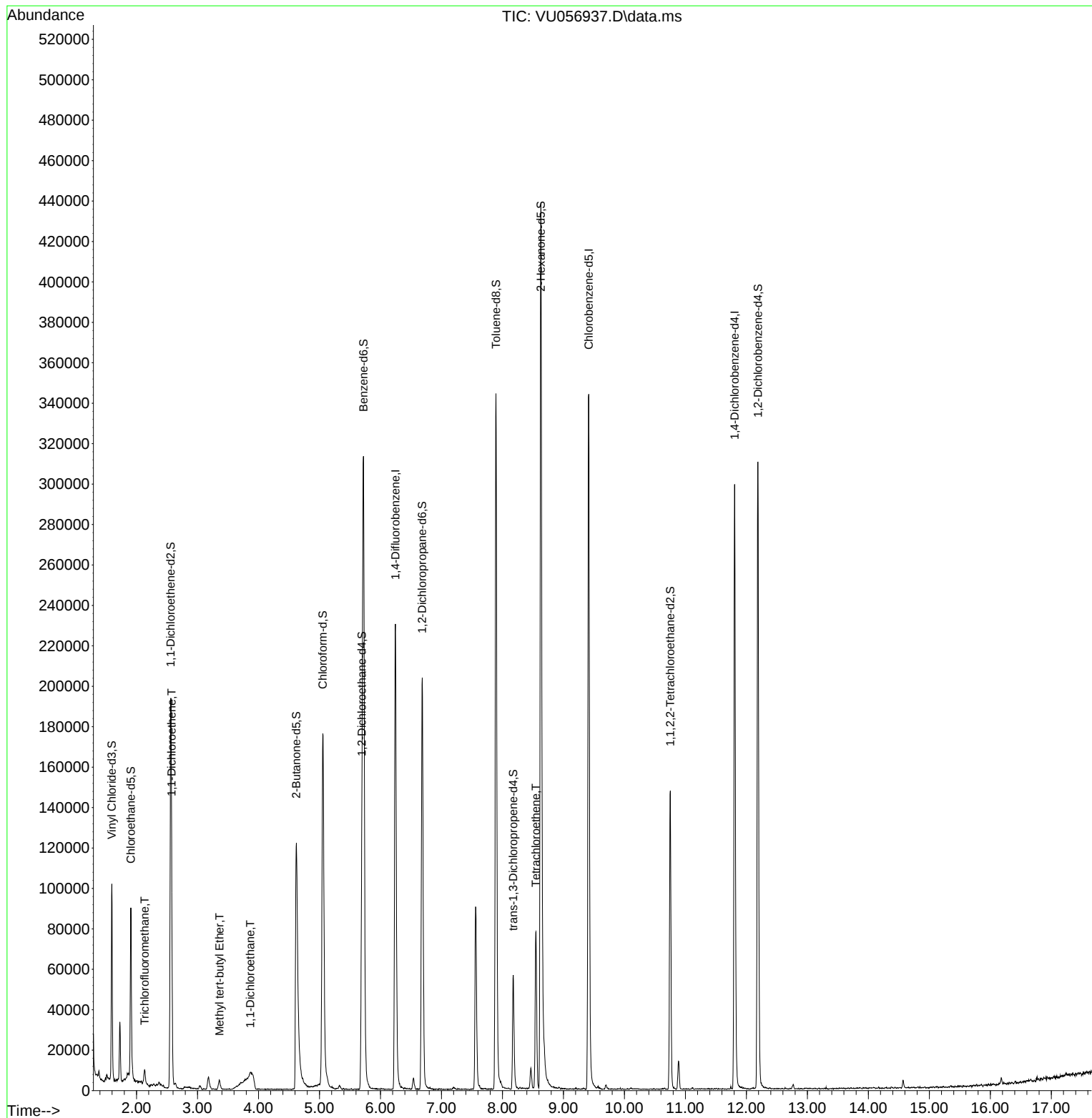
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	188453	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	200656	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	80057	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	70471	4.363	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.200%
7) Chloroethane-d5	1.907	69	59748	4.943	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.800%
11) 1,1-Dichloroethene-d2	2.560	65	32000	4.630	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.600%
20) 2-Butanone-d5	4.621	46	192503	60.344	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.680%
24) Chloroform-d	5.055	84	167170	5.465	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.400%
26) 1,2-Dichloroethane-d4	5.695	65	84188	5.816	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.400%
32) Benzene-d6	5.721	84	303132	4.871	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	6.685	67	101466	5.209	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.200%
41) Toluene-d8	7.894	98	234019	4.207	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	8.177	79	34049	4.507	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.630	63	149686	52.535	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.080%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	77152	5.474	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	84100	5.344	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.800%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.132	101	4029	0.148	ug/L	87
12) 1,1-Dichloroethene	2.576	96	20924	1.368	ug/L #	51
17) Methyl tert-butyl Ether	3.361	73	5060	0.149	ug/L	93
19) 1,1-Dichloroethane	3.865	63	2908	0.097	ug/L	91
47) Tetrachloroethene	8.550	164	16651	1.230	ug/L	93

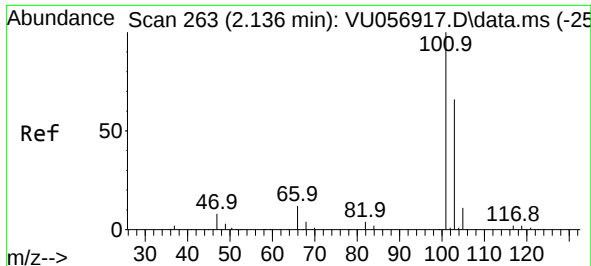
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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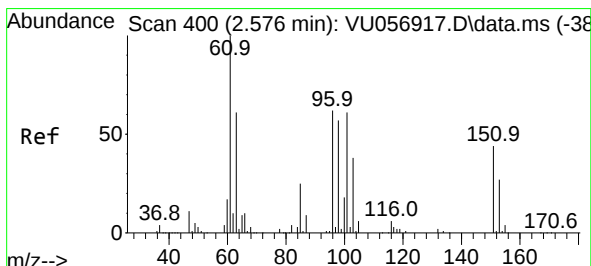
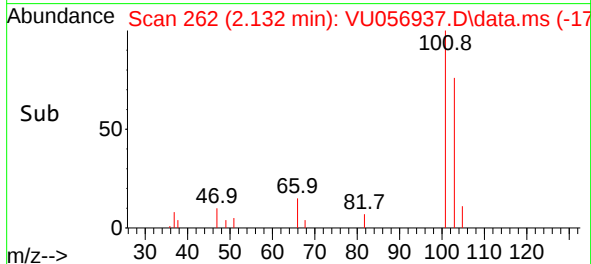
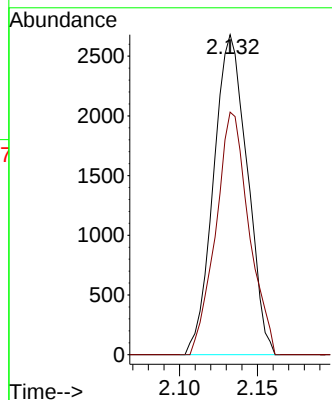
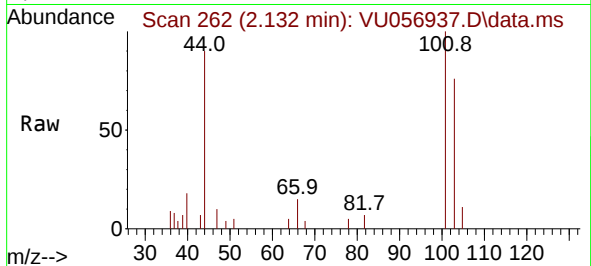




#9
 Trichlorofluoromethane
 Concen: 0.148 ug/L
 RT: 2.132 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU056937.D
 Acq: 16 Dec 2023 19:17

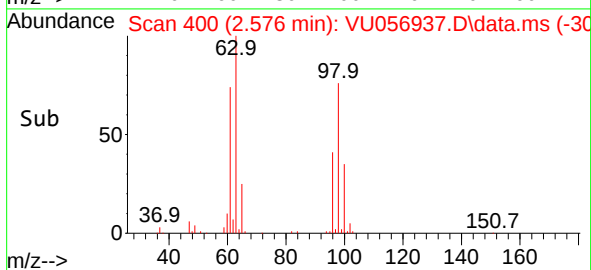
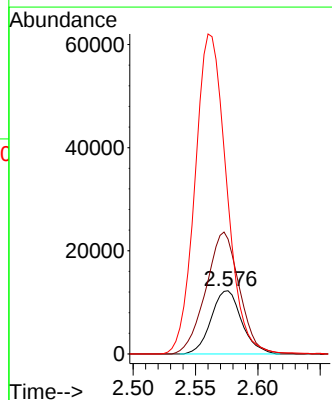
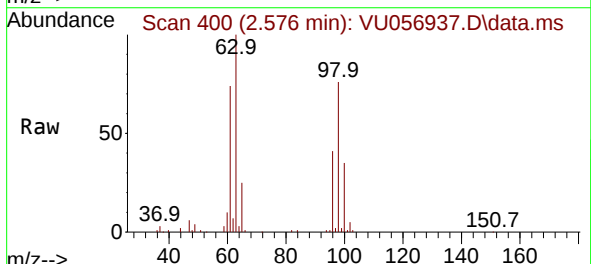
Instrument :
 MSVOA_U
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 F7C84

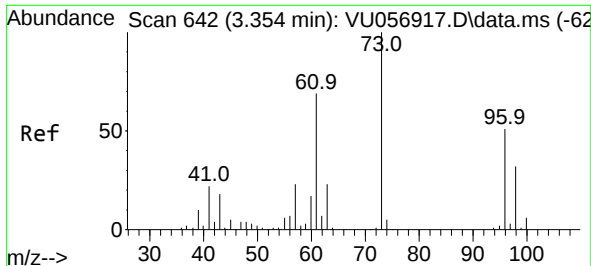
Tgt Ion:101 Resp: 4029
 Ion Ratio Lower Upper
 101 100
 103 74.9 51.4 77.2



#12
 1,1-Dichloroethene
 Concen: 1.368 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056937.D
 Acq: 16 Dec 2023 19:17

Tgt Ion: 96 Resp: 20924
 Ion Ratio Lower Upper
 96 100
 61 181.8 119.0 221.0
 63 244.7 88.7 164.7#

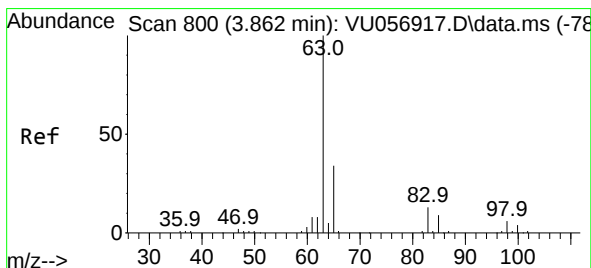
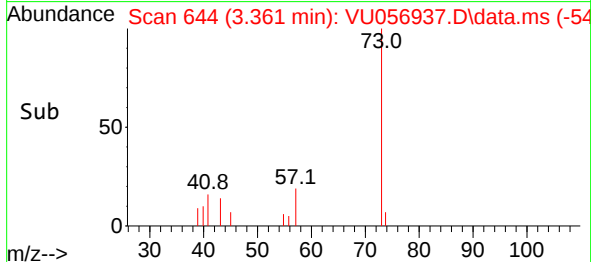
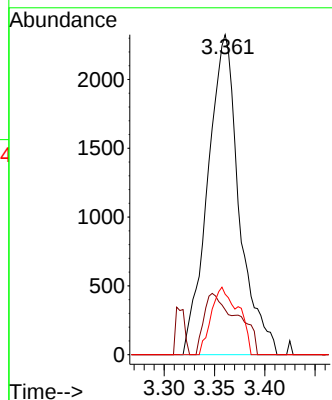
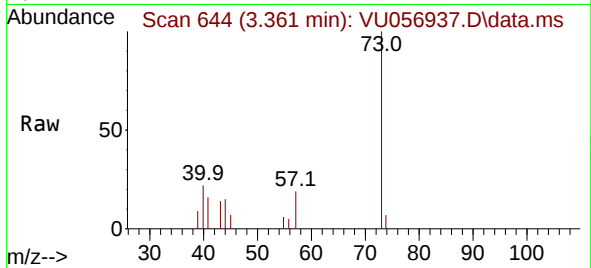




#17
Methyl tert-butyl Ether
Concen: 0.149 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.006 min
Lab File: VU056937.D
Acq: 16 Dec 2023 19:17

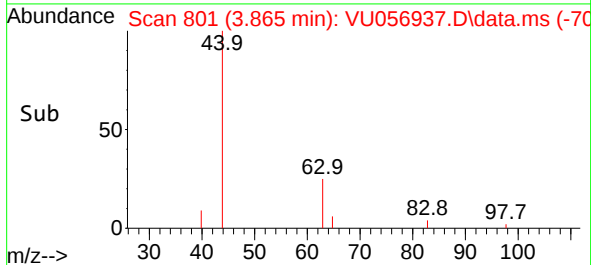
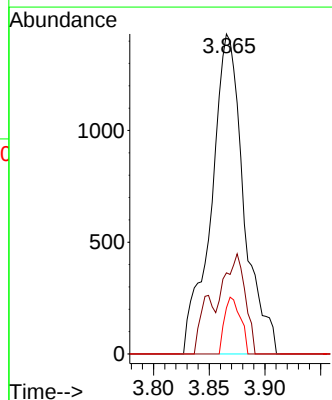
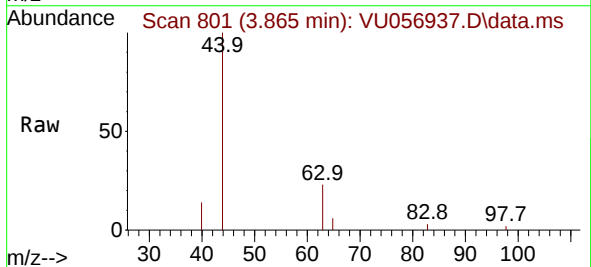
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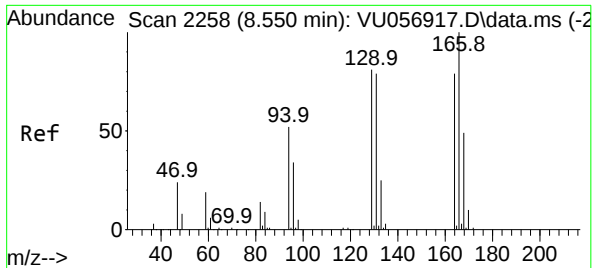
Tgt Ion: 73	Resp: 5060
Ion Ratio	Lower Upper
73 100	
43 20.3	14.4 21.6
57 18.1	17.8 26.8



#19
1,1-Dichloroethane
Concen: 0.097 ug/L
RT: 3.865 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU056937.D
Acq: 16 Dec 2023 19:17

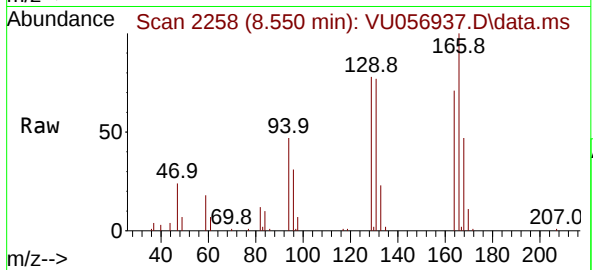
Tgt Ion: 63	Resp: 2908
Ion Ratio	Lower Upper
63 100	
65 25.3	22.9 42.5
83 14.4	10.1 18.9





#47
 Tetrachloroethene
 Concen: 1.230 ug/L
 RT: 8.550 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU056937.D
 Acq: 16 Dec 2023 19:17

Instrument :
 MSVOA_U
 ClientSampleId :
 F7C84



Tgt Ion:	164	Resp:	16651
Ion	Ratio	Lower	Upper
164	100		
129	111.2	73.4	136.4
131	108.9	71.5	132.9
166	141.7	92.7	172.1

