

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
 Data File : VU056895.D
 Acq On : 15 Dec 2023 22:02
 Operator : MD/SY
 Sample : 05809-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F7C01

Quant Time: Dec 16 00:07:10 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)

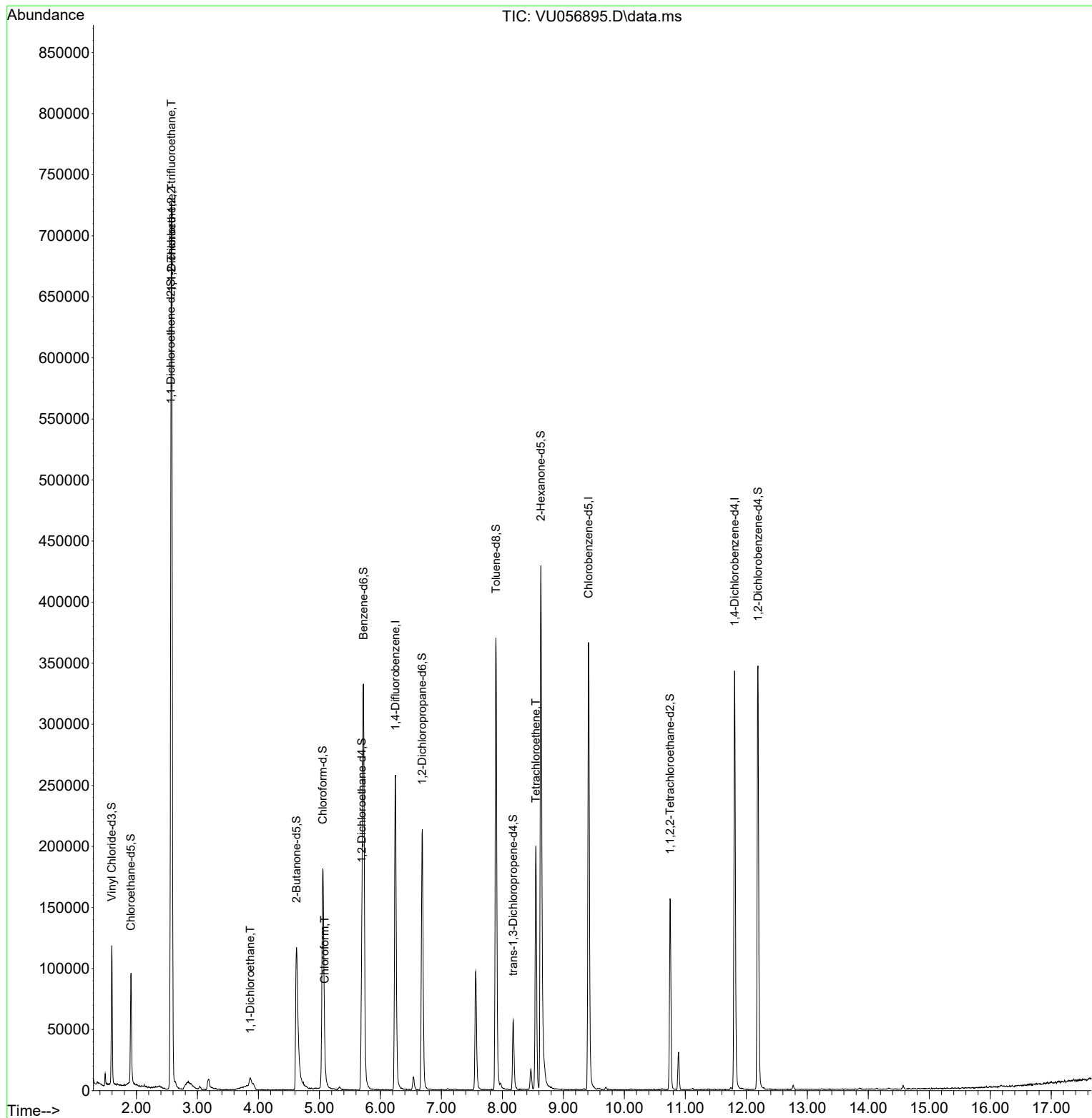
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	209313	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	215894	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	91439	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	80323	4.477	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.600%
7) Chloroethane-d5	1.908	69	65737	4.896	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.563	65	35976	4.687	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.800%
20) 2-Butanone-d5	4.624	46	196094	55.344	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.680%
24) Chloroform-d	5.055	84	172199	5.068	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.695	65	86938	5.408	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.200%
32) Benzene-d6	5.721	84	321175	4.796	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	6.685	67	106973	5.104	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.894	98	259177	4.330	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	8.177	79	35178	4.328	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.600%
46) 2-Hexanone-d5	8.631	63	149700	48.832	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.660%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	78116	5.151	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	94423	5.253	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.000%
Target Compounds						
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	4465	0.241	ug/L #	75
12) 1,1-Dichloroethene	2.576	96	218084	12.833	ug/L #	80
19) 1,1-Dichloroethane	3.866	63	6879	0.208	ug/L	92
25) Chloroform	5.084	83	14270	0.411	ug/L	92
47) Tetrachloroethene	8.547	164	43087	2.958	ug/L	98

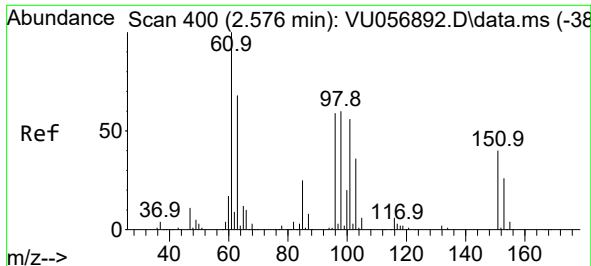
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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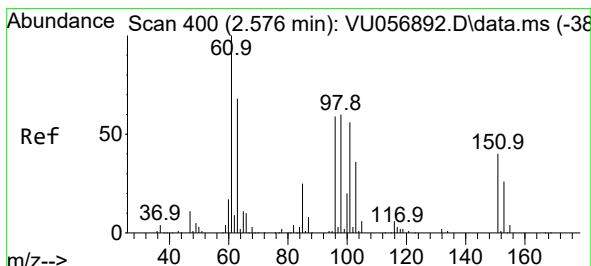
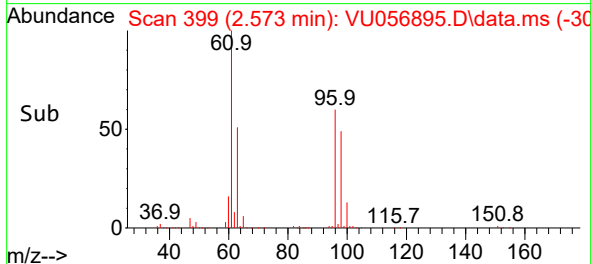
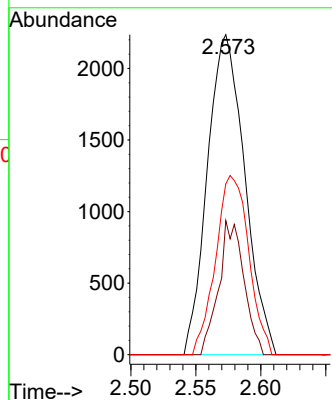
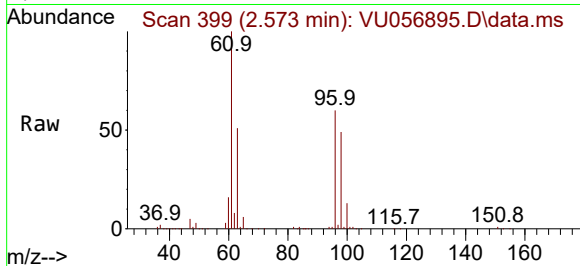




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.241 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU056895.D
 Acq: 15 Dec 2023 22:02

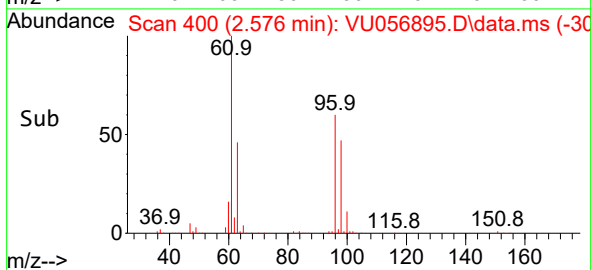
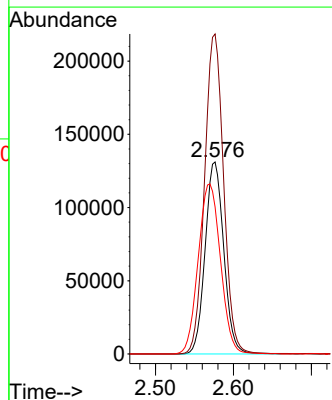
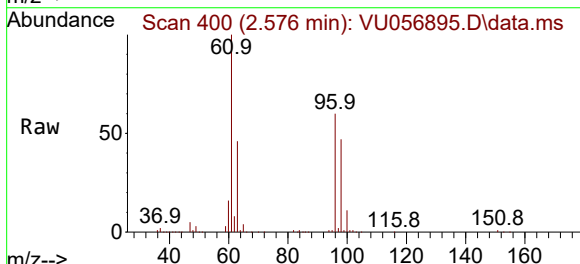
Instrument :
 MSVOA_U
 ClientSampleId :
 F7C01

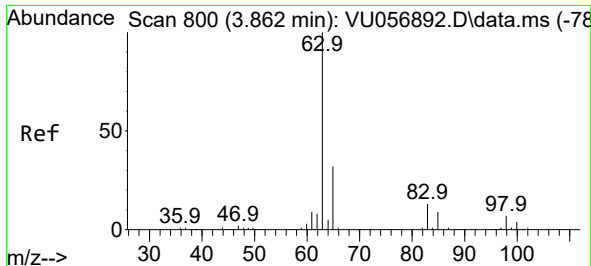
Tgt Ion:101 Resp: 4465
 Ion Ratio Lower Upper
 101 100
 85 28.3 35.2 52.8#
 151 49.8 56.0 84.0#



#12
 1,1-Dichloroethene
 Concen: 12.833 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056895.D
 Acq: 15 Dec 2023 22:02

Tgt Ion: 96 Resp: 218084
 Ion Ratio Lower Upper
 96 100
 61 166.7 119.0 221.0
 63 76.6 88.7 164.7#

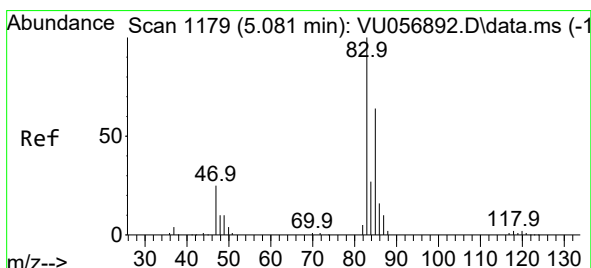
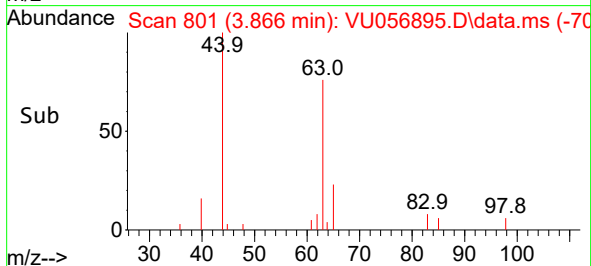
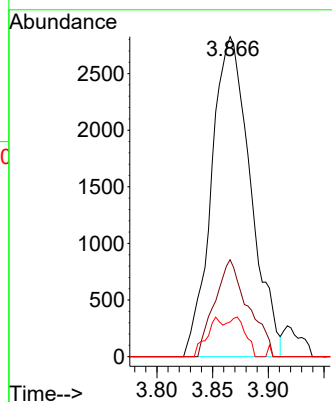
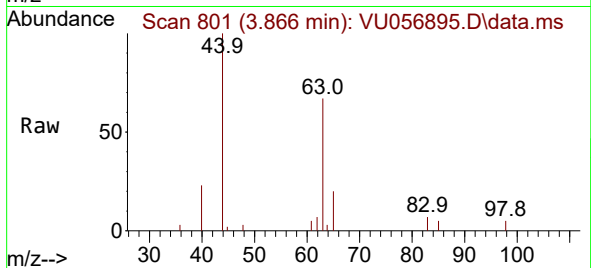




#19
1,1-Dichloroethane
Concen: 0.208 ug/L
RT: 3.866 min Scan# 80
Delta R.T. 0.003 min
Lab File: VU056895.D
Acq: 15 Dec 2023 22:02

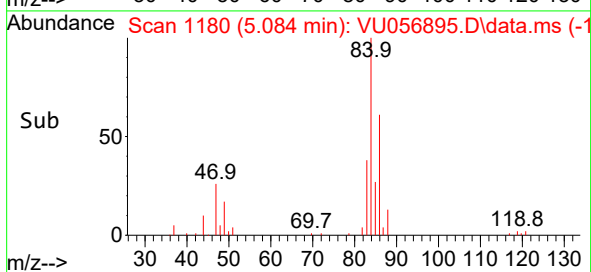
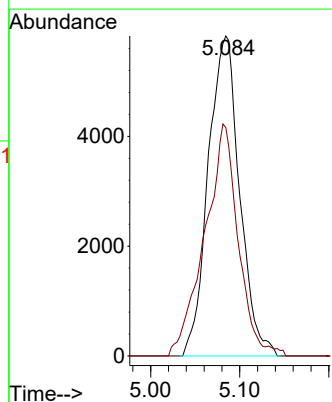
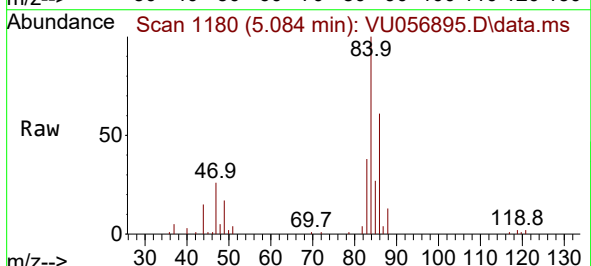
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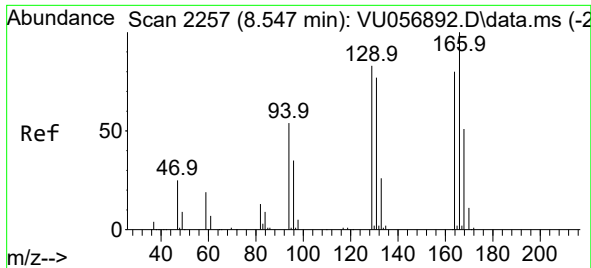
Tgt Ion: 63 Resp: 6879
Ion Ratio Lower Upper
63 100
65 28.9 22.9 42.5
83 10.4 10.1 18.9



#25
Chloroform
Concen: 0.411 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. 0.003 min
Lab File: VU056895.D
Acq: 15 Dec 2023 22:02

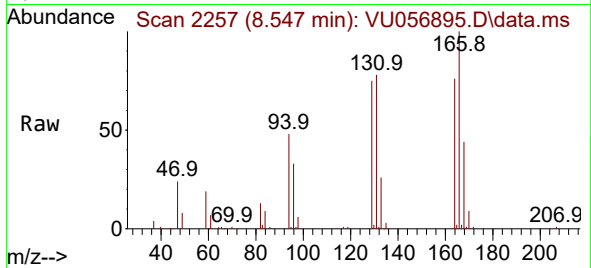
Tgt Ion: 83 Resp: 14270
Ion Ratio Lower Upper
83 100
85 71.4 45.8 85.0





#47
 Tetrachloroethene
 Concen: 2.958 ug/L
 RT: 8.547 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU056895.D
 Acq: 15 Dec 2023 22:02

Instrument :
 MSVOA_U
 ClientSampleId :
 F7C01



Tgt Ion:	164	Resp:	43087
Ion	Ratio	Lower	Upper
164	100		
129	98.8	73.4	136.4
131	102.2	71.5	132.9
166	131.7	92.7	172.1

