

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103123\
 Data File : VU056028.D
 Acq On : 31 Oct 2023 21:21
 Operator : MD/SY
 Sample : 05113-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK001

Quant Time: Nov 01 01:13:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 01 01:09:14 2023
 Response via : Initial Calibration

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

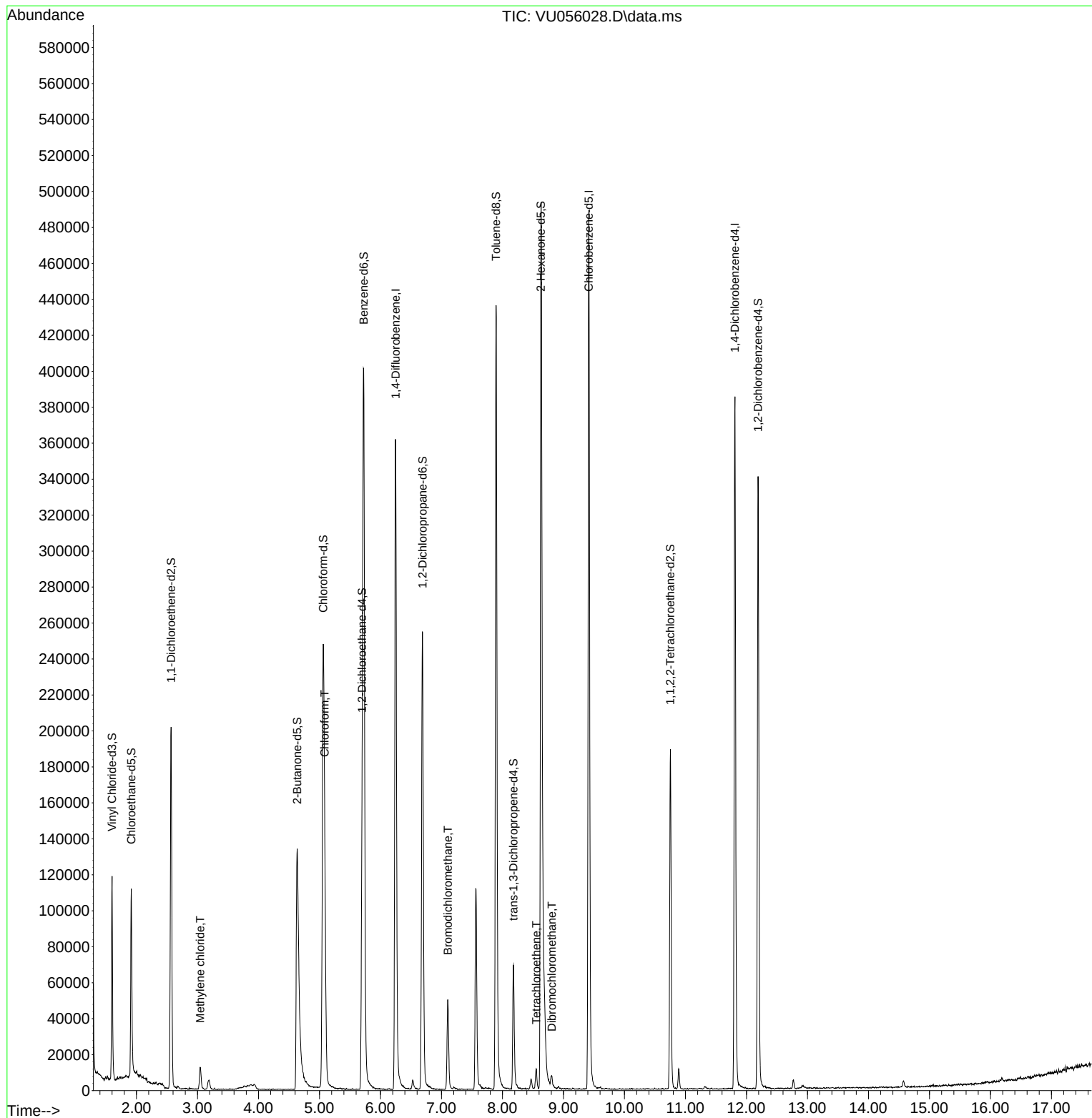
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	315876	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	299876	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	109609	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	83349	3.336	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	66.800%	
7) Chloroethane-d5	1.914	69	79962	4.105	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	82.200%	
11) 1,1-Dichloroethene-d2	2.567	65	38287	3.609	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	72.200%	
20) 2-Butanone-d5	4.634	46	245376	55.045	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	110.100%	
24) Chloroform-d	5.059	84	217351	4.694	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	93.800%	
26) 1,2-Dichloroethane-d4	5.698	65	106046	4.701	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	94.000%	
32) Benzene-d6	5.724	84	401561	4.495	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	90.000%	
36) 1,2-Dichloropropane-d6	6.689	67	131618	4.970	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	99.400%	
41) Toluene-d8	7.895	98	314373	3.880	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	77.600%	
43) trans-1,3-Dichloroprop...	8.181	79	43843	4.233	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	84.600%	
46) 2-Hexanone-d5	8.631	63	182279	69.333	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	138.660%#	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	98120	5.088	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	101.800%	
66) 1,2-Dichlorobenzene-d4	12.190	152	97165	4.751	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	95.000%	
Target Compounds						
						Qvalue
16) Methylene chloride	3.046	84	6414	0.370	ug/L	94
25) Chloroform	5.084	83	96328	2.915	ug/L	97
38) Bromodichloromethane	7.104	83	34613	1.569	ug/L	99
47) Tetrachloroethene	8.557	164	2647	0.204	ug/L	91
49) Dibromochloromethane	8.808	129	3092	0.228	ug/L	94

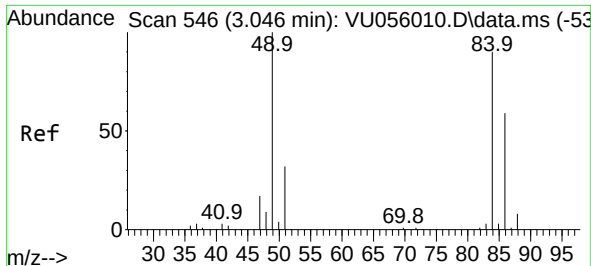
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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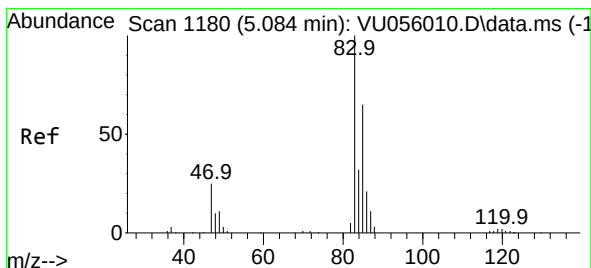
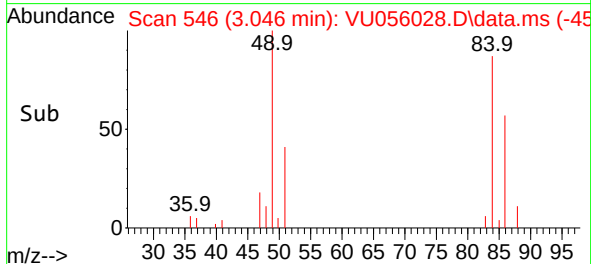
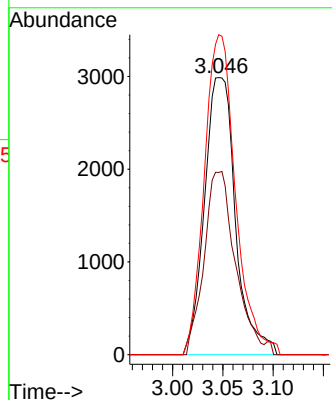
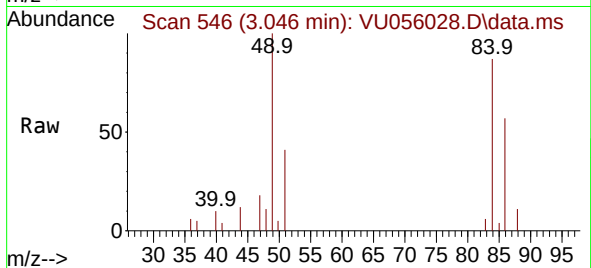




#16
Methylene chloride
Concen: 0.370 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.000 min
Lab File: VU056028.D
Acq: 31 Oct 2023 21:21

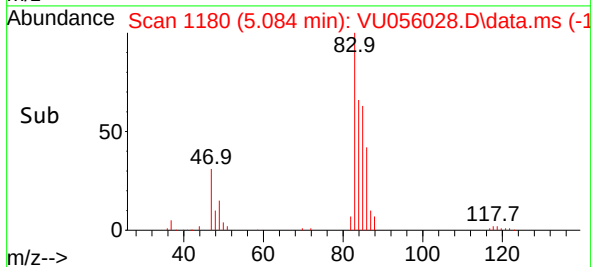
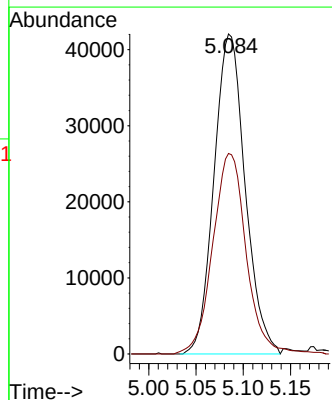
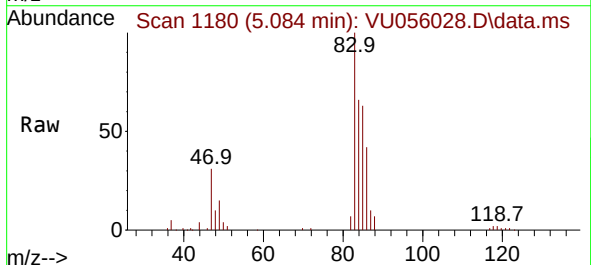
Instrument :
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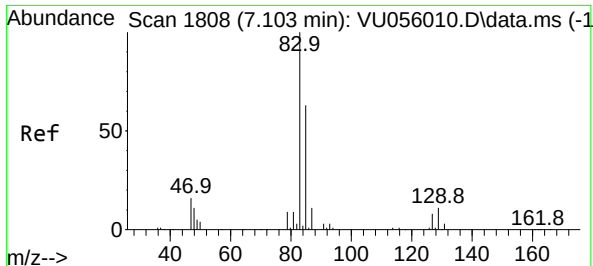
Tgt Ion: 84 Resp: 6414
Ion Ratio Lower Upper
84 100
86 65.8 45.2 84.0
49 121.4 78.8 146.3



#25
Chloroform
Concen: 2.915 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VU056028.D
Acq: 31 Oct 2023 21:21

Tgt Ion: 83 Resp: 96328
Ion Ratio Lower Upper
83 100
85 62.7 45.6 84.8

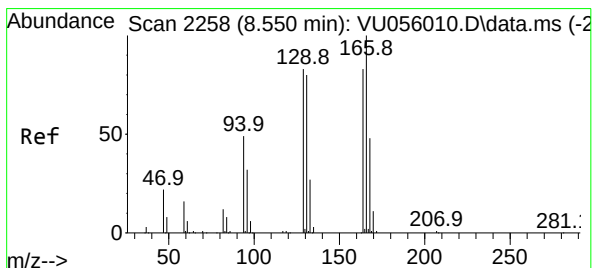
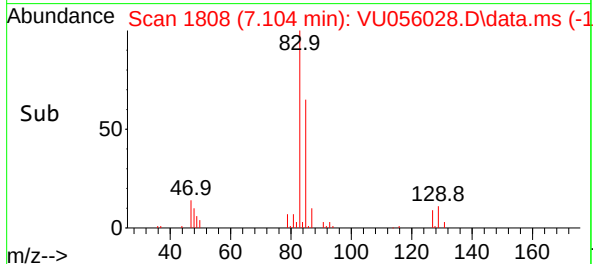
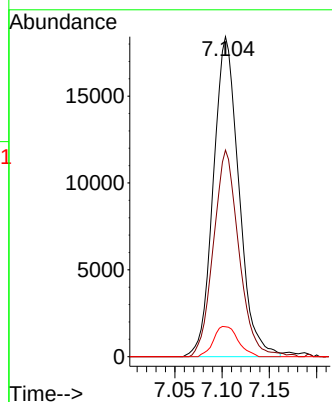
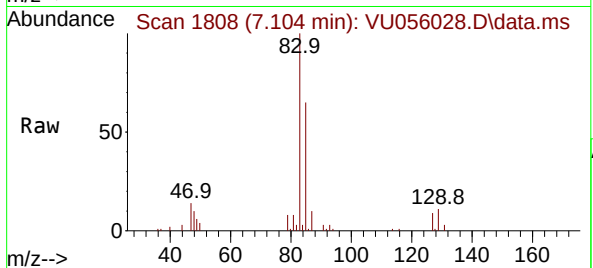




#38
Bromodichloromethane
Concen: 1.569 ug/L
RT: 7.104 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056028.D
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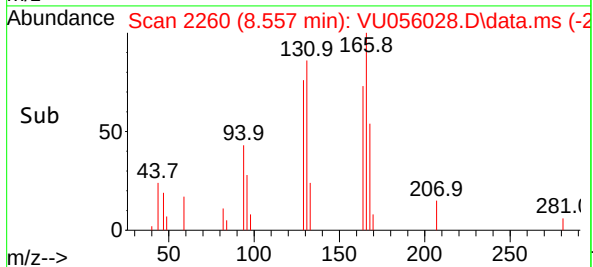
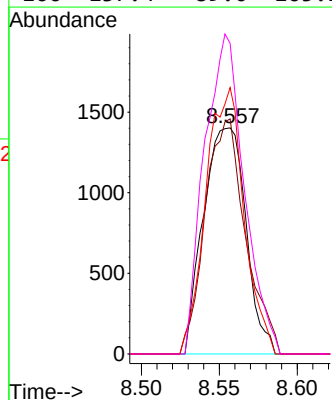
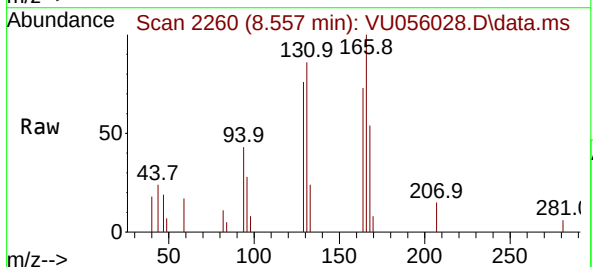
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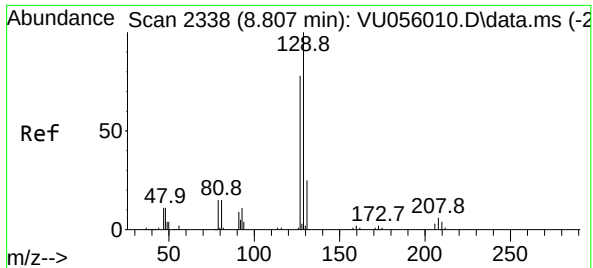
Tgt Ion: 83 Resp: 34613
Ion Ratio Lower Upper
83 100
85 64.5 44.9 83.3
127 9.4 6.6 9.8



#47
Tetrachloroethene
Concen: 0.204 ug/L
RT: 8.557 min Scan# 2260
Delta R.T. 0.007 min
Lab File: VU056028.D
Acq: 31 Oct 2023 21:21

Tgt Ion:164 Resp: 2647
Ion Ratio Lower Upper
164 100
129 104.0 72.2 134.0
131 117.8 70.8 131.6
166 137.4 89.0 165.2





#49
 Dibromochloromethane
 Concen: 0.228 ug/L
 RT: 8.808 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU056028.D
 Acq: 31 Oct 2023 21:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK001

Tgt Ion:129 Resp: 3092
 Ion Ratio Lower Upper
 129 100
 127 81.8 53.5 99.5

