

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110723\
 Data File : VU056100.D
 Acq On : 07 Nov 2023 15:46
 Operator : MD/SY
 Sample : 05281-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AC4

Quant Time: Nov 08 00:44:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 08 00:38:11 2023
 Response via : Initial Calibration

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

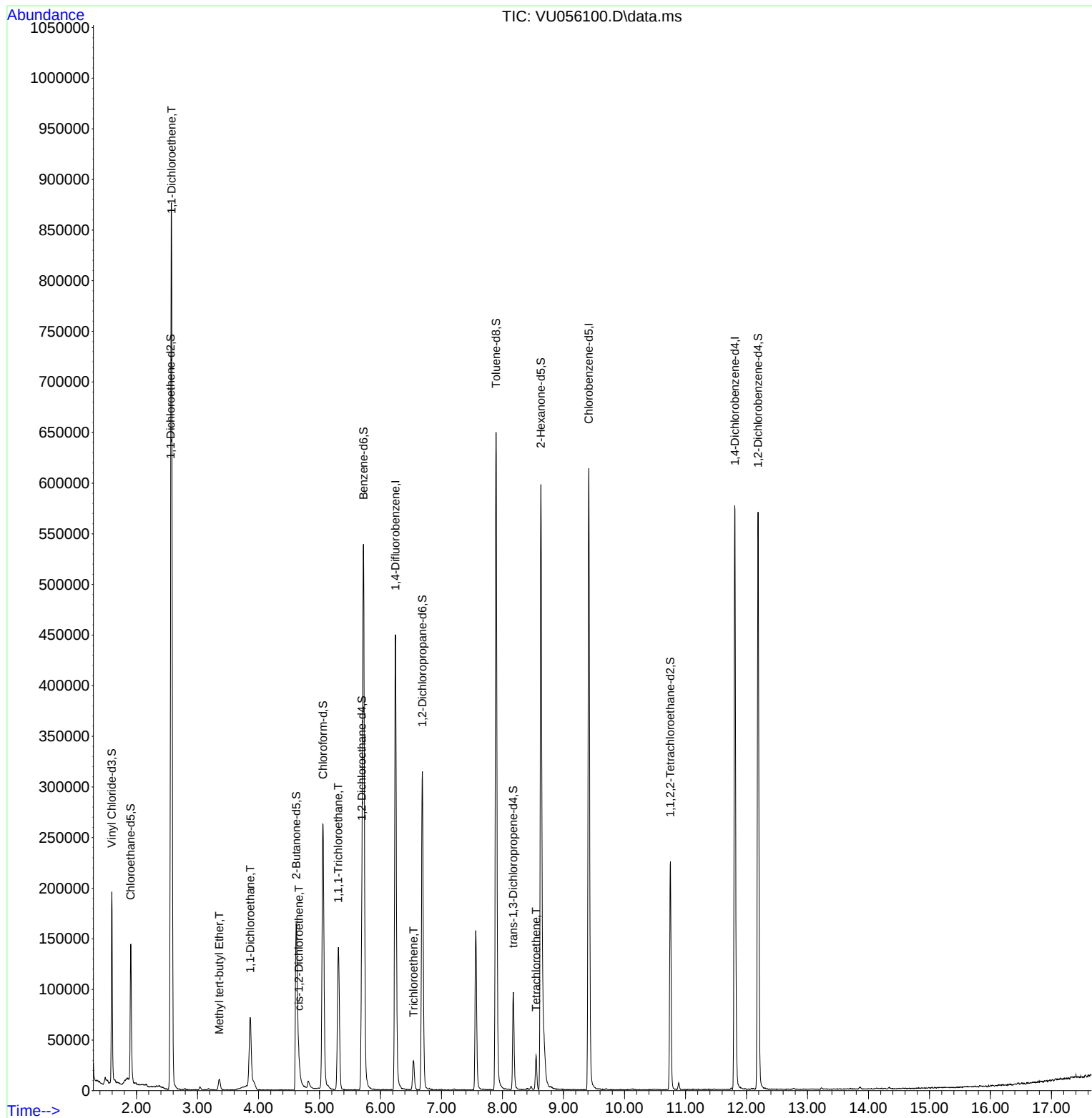
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	378682	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	371239	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	162644	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	138470	5.891	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	117.800%	
7) Chloroethane-d5	1.904	69	108462	6.800	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	136.000%#	
11) 1,1-Dichloroethene-d2	2.560	65	59162	5.713	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	114.200%	
20) 2-Butanone-d5	4.618	46	252770	65.551	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	131.100%#	
24) Chloroform-d	5.055	84	256984	5.744	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	114.800%	
26) 1,2-Dichloroethane-d4	5.695	65	121171	6.150	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	123.000%	
32) Benzene-d6	5.721	84	535805	6.009	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	120.200%	
36) 1,2-Dichloropropane-d6	6.685	67	159012	6.058	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	121.200%	
41) Toluene-d8	7.894	98	458975	5.617	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	112.400%	
43) trans-1,3-Dichloroprop...	8.177	79	58529	5.834	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	116.600%	
46) 2-Hexanone-d5	8.627	63	205703	62.556	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	125.120%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	114813	6.129	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	122.600%#	
66) 1,2-Dichlorobenzene-d4	12.190	152	160416	6.396	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	128.000%#	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.576	96	253445	10.413	ug/L	90
17) Methyl tert-butyl Ether	3.357	73	11900	0.217	ug/L #	88
19) 1,1-Dichloroethane	3.866	63	78724	1.673	ug/L	91
22) cis-1,2-Dichloroethene	4.663	96	5026	0.181	ug/L	90
29) 1,1,1-Trichloroethane	5.309	97	104977	2.468	ug/L	99
34) Trichloroethene	6.544	95	10505	0.362	ug/L	86
47) Tetrachloroethene	8.550	164	7891	0.362	ug/L	95

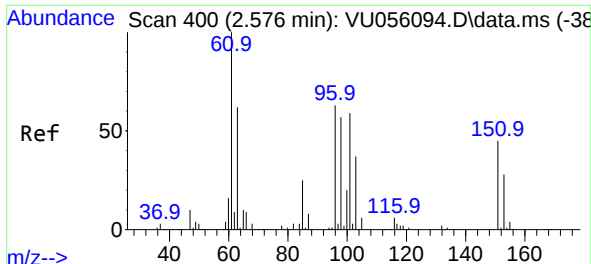
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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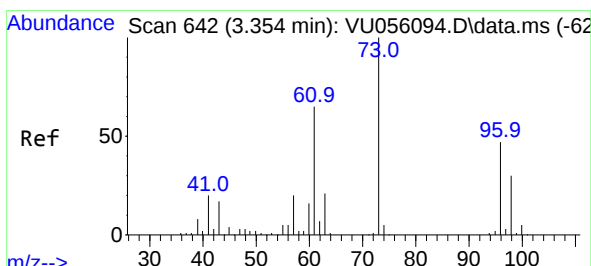
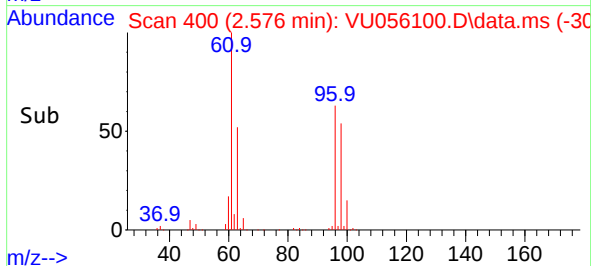
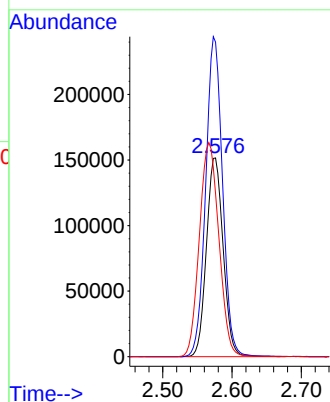
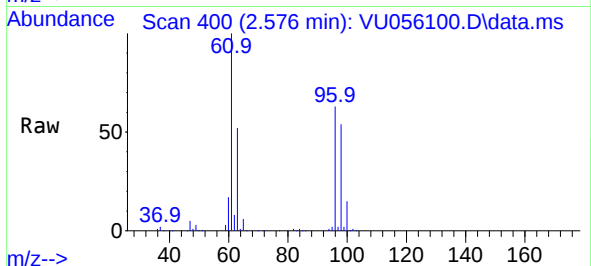




#12
1,1-Dichloroethene
Concen: 10.413 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU056100.D
Acq: 07 Nov 2023 15:46

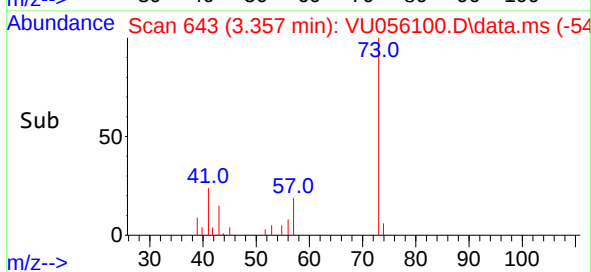
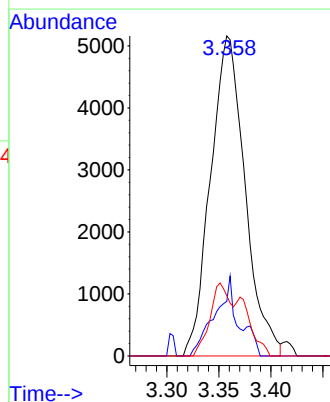
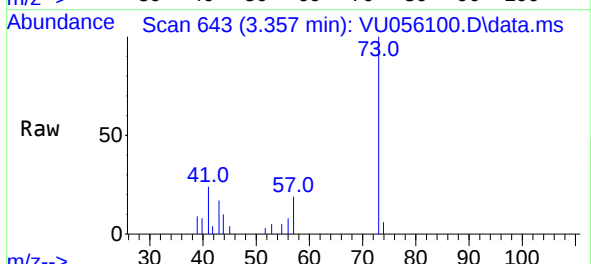
Instrument :
MSVOA_U
ClientSampleId :
C0AC4

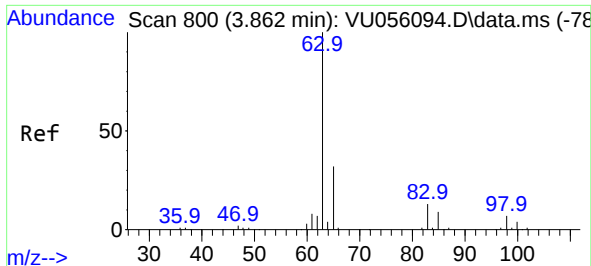
Tgt Ion: 96 Resp: 253445
Ion Ratio Lower Upper
96 100
61 158.4 111.7 207.5
63 82.1 74.5 138.3



#17
Methyl tert-butyl Ether
Concen: 0.217 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU056100.D
Acq: 07 Nov 2023 15:46

Tgt Ion: 73 Resp: 11900
Ion Ratio Lower Upper
73 100
43 14.8 13.6 20.4
57 13.7 17.3 25.9#

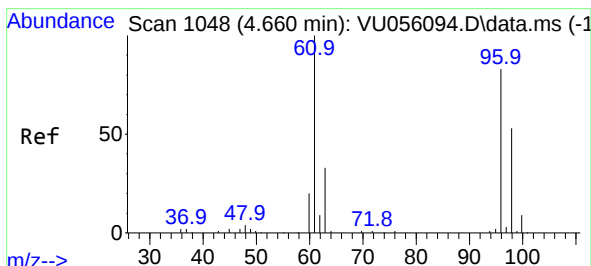
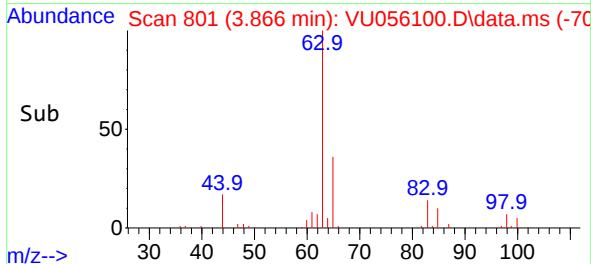
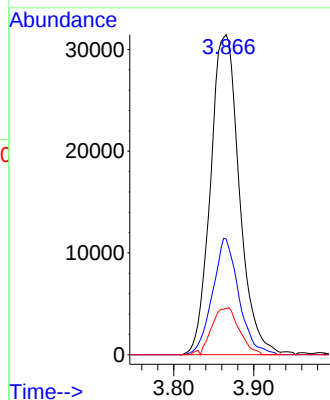
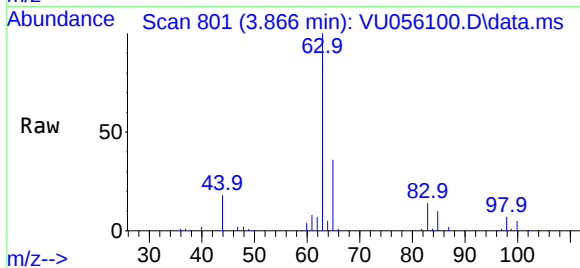




#19
1,1-Dichloroethane
Concen: 1.673 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU056100.D
Acq: 07 Nov 2023 15:46

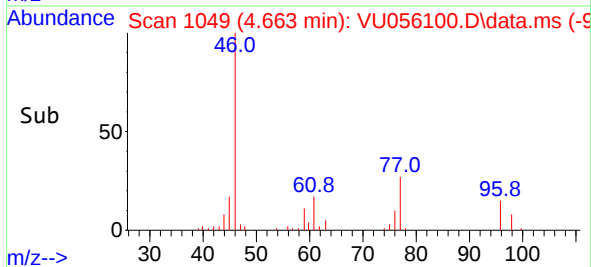
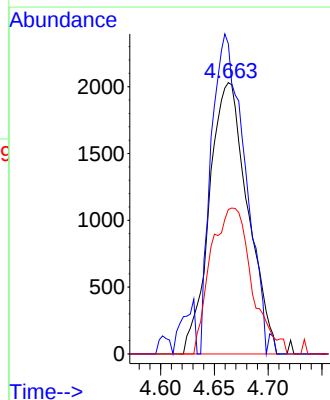
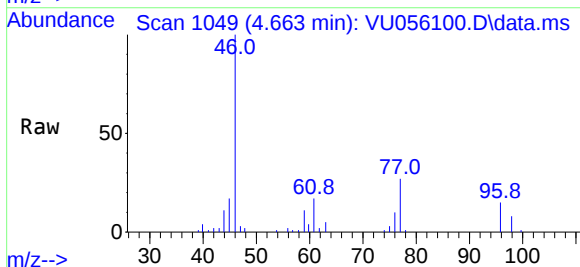
Instrument :
MSVOA_U
ClientSampleId :
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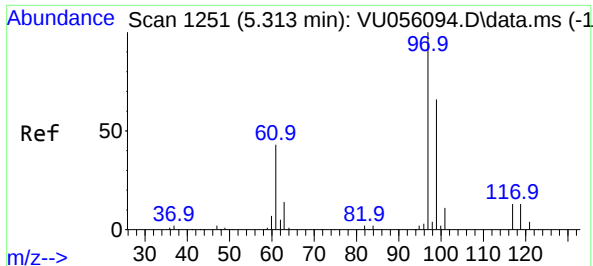
Tgt Ion: 63 Resp: 78724
Ion Ratio Lower Upper
63 100
65 36.2 20.6 38.2
83 14.4 9.6 17.8



#22
cis-1,2-Dichloroethene
Concen: 0.181 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU056100.D
Acq: 07 Nov 2023 15:46

Tgt Ion: 96 Resp: 5026
Ion Ratio Lower Upper
96 100
61 114.3 87.8 163.2
98 53.2 43.5 80.7

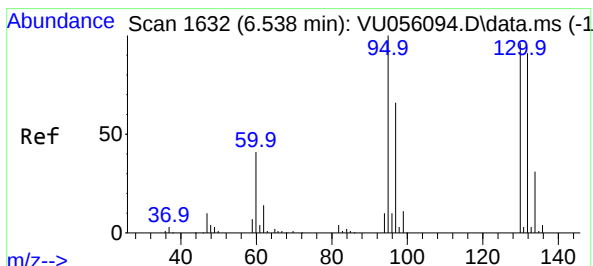
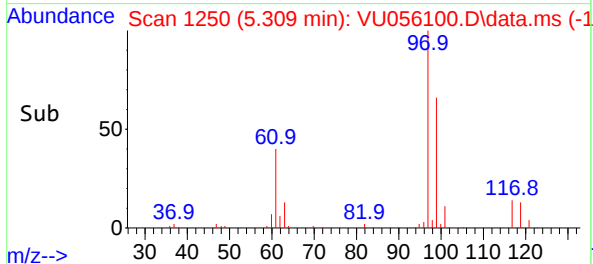
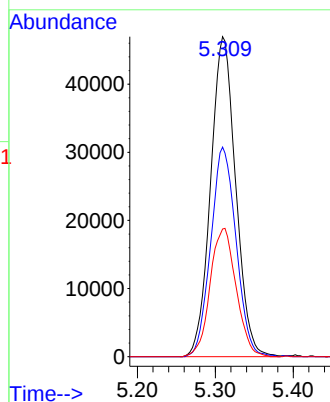
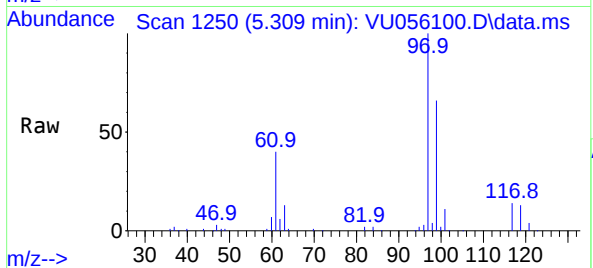




#29
1,1,1-Trichloroethane
Concen: 2.468 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU056100.D
Acq: 07 Nov 2023 15:46

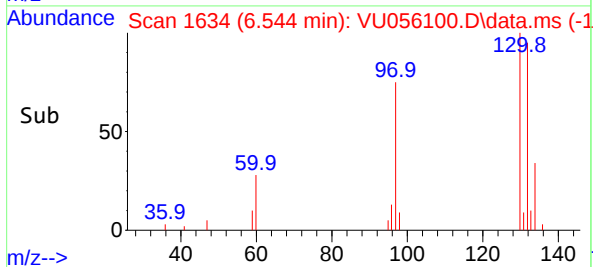
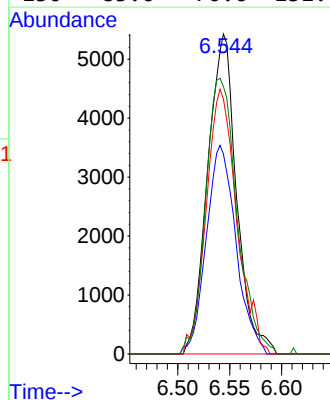
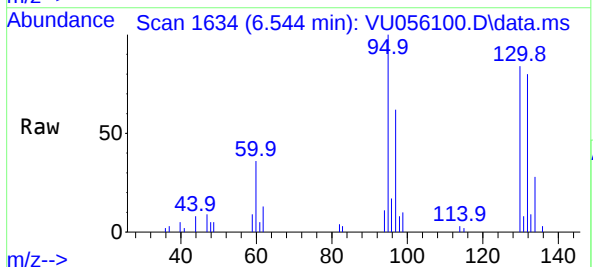
Instrument :
MSVOA_U
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C0AC4

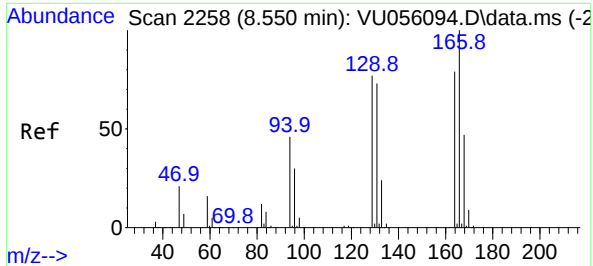
Tgt Ion: 97 Resp: 104977
Ion Ratio Lower Upper
97 100
99 66.1 52.0 78.0
61 41.5 33.4 50.0



#34
Trichloroethene
Concen: 0.362 ug/L
RT: 6.544 min Scan# 1634
Delta R.T. 0.006 min
Lab File: VU056100.D
Acq: 07 Nov 2023 15:46

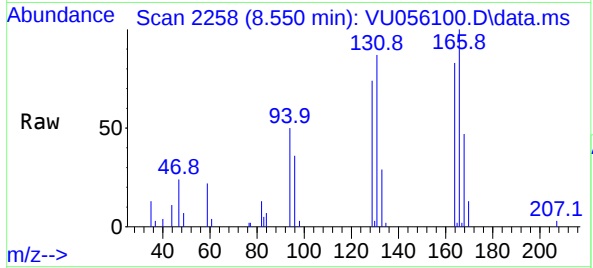
Tgt Ion: 95 Resp: 10505
Ion Ratio Lower Upper
95 100
97 62.5 46.8 87.0
132 79.7 66.5 123.5
130 83.6 70.6 131.0





#47
 Tetrachloroethene
 Concen: 0.362 ug/L
 RT: 8.550 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU056100.D
 Acq: 07 Nov 2023 15:46

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AC4



Tgt Ion:164 Resp: 7891

Ion	Ratio	Lower	Upper
164	100		
129	88.8	66.6	123.8
131	104.1	67.8	126.0
166	119.8	85.9	159.5

