

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090623\
 Data File : VU055172.D
 Acq On : 07 Sep 2023 04:36
 Operator : MD/SY
 Sample : 04307-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4N6

Quant Time: Sep 07 15:40:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

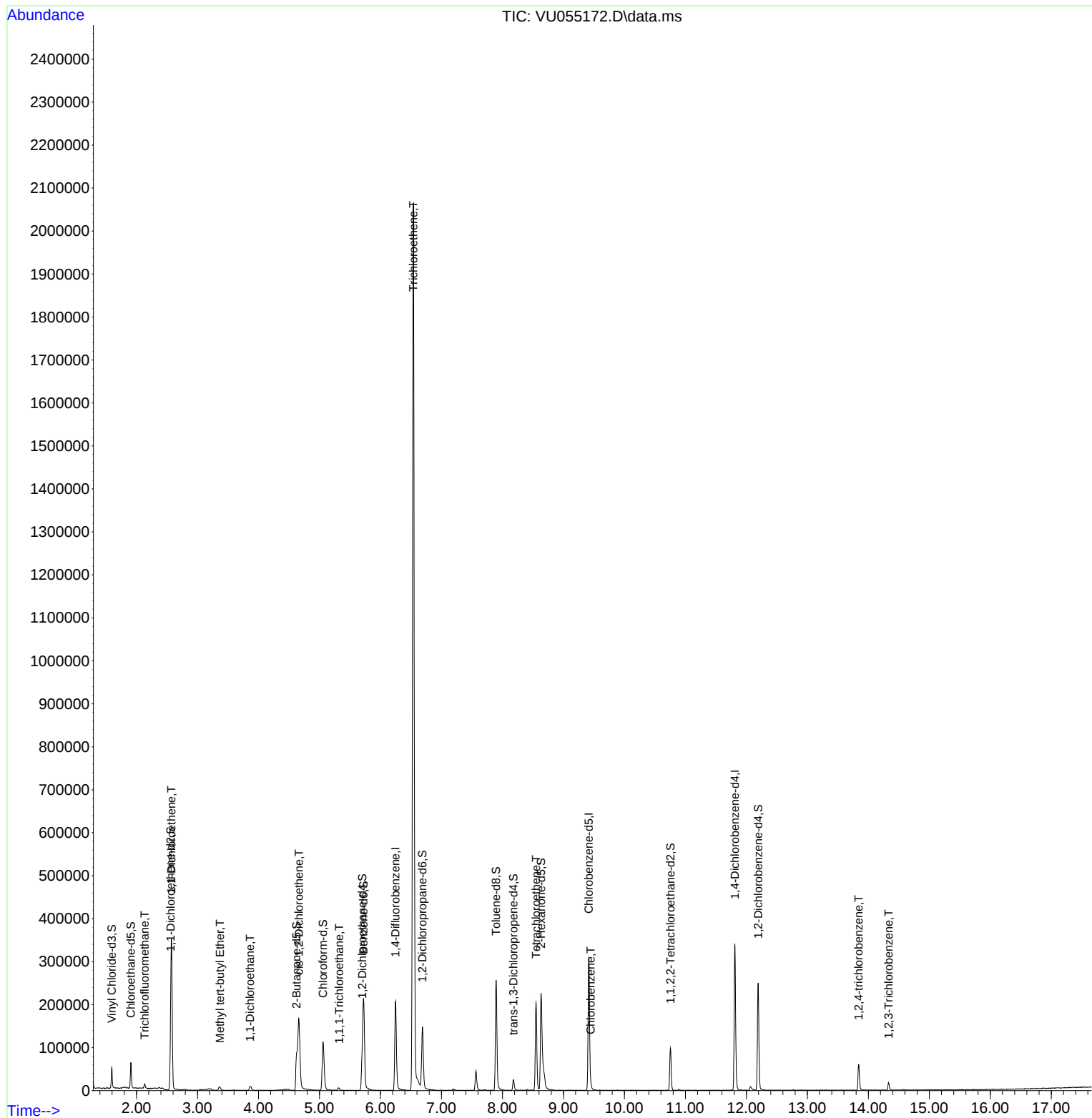
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	164031	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	168522	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	83224	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	32388	4.213	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	84.200%	
7) Chloroethane-d5	1.907	69	40146	4.511	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.200%	
11) 1,1-Dichloroethene-d2	2.560	65	20337	4.643	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	92.800%	
20) 2-Butanone-d5	4.624	46	126060	56.505	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	113.020%	
24) Chloroform-d	5.058	84	103400	5.069	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.400%	
26) 1,2-Dichloroethane-d4	5.701	65	53020	5.195	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	103.800%	
32) Benzene-d6	5.724	84	197459	4.747	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.000%	
36) 1,2-Dichloropropane-d6	6.688	67	67331	5.089	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	101.800%	
41) Toluene-d8	7.897	98	172125	4.492	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	89.800%	
43) trans-1,3-Dichloroprop...	8.180	79	15119	4.150	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	83.000%	
46) 2-Hexanone-d5	8.634	63	73748	49.856	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	99.720%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	48021	5.161	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	103.200%	
66) 1,2-Dichlorobenzene-d4	12.193	152	60474	4.978	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	99.600%	
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.132	101	5843	0.393	ug/L	97
12) 1,1-Dichloroethene	2.573	96	98650	13.009	ug/L #	83
17) Methyl tert-butyl Ether	3.367	73	8258	0.415	ug/L #	94
19) 1,1-Dichloroethane	3.862	63	11355	0.683	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	77908	8.272	ug/L	98
29) 1,1,1-Trichloroethane	5.322	97	4325	0.297	ug/L	90
34) Trichloroethene	6.541	95	704673	70.694	ug/L	97
47) Tetrachloroethene	8.553	164	42601	6.184	ug/L	98
51) Chlorobenzene	9.447	112	3945	0.156	ug/L	92
70) 1,2,4-trichlorobenzene	13.842	180	18756	1.421	ug/L	98
72) 1,2,3-Trichlorobenzene	14.334	180	5724	0.500	ug/L	95

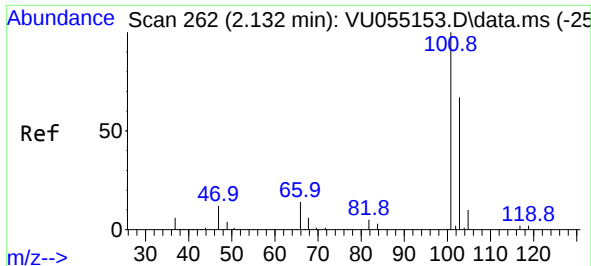
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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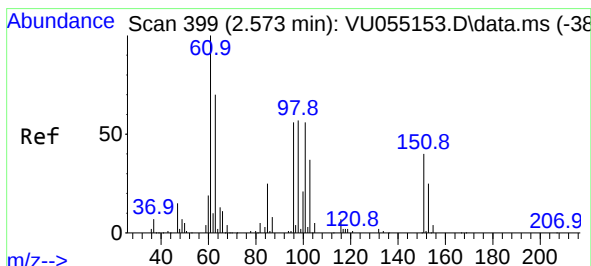
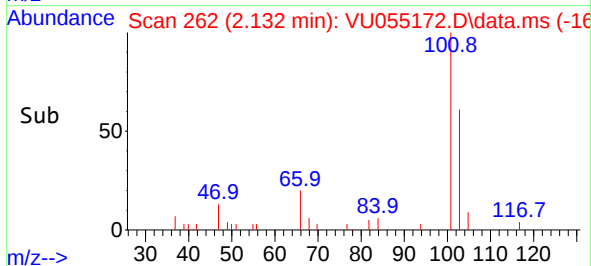
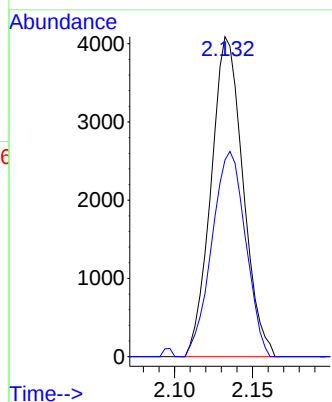
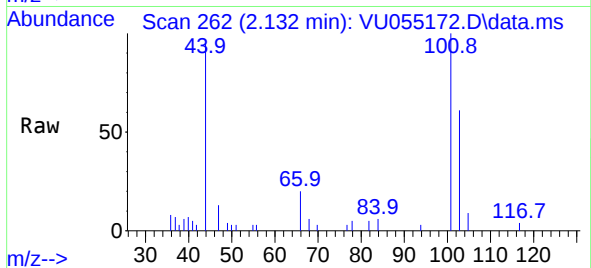




#9
 Trichlorofluoromethane
 Concen: 0.393 ug/L
 RT: 2.132 min Scan# 201
 Delta R.T. -0.000 min
 Lab File: VU055172.D
 Acq: 07 Sep 2023 04:36

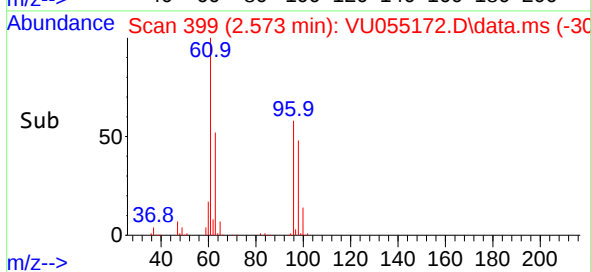
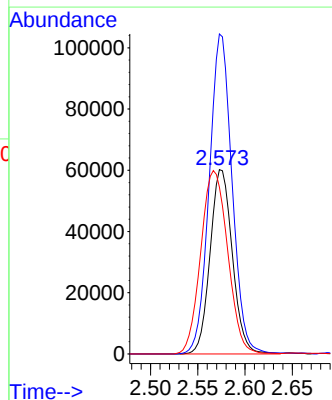
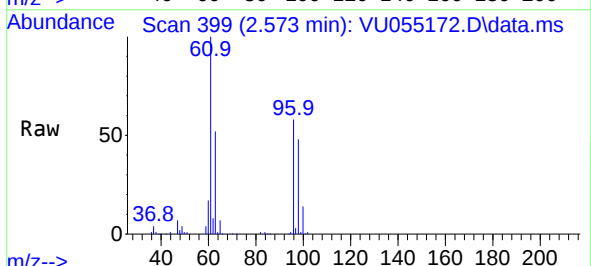
Instrument :
 MSVOA_U
 ClientSampleId :
 BH4N6

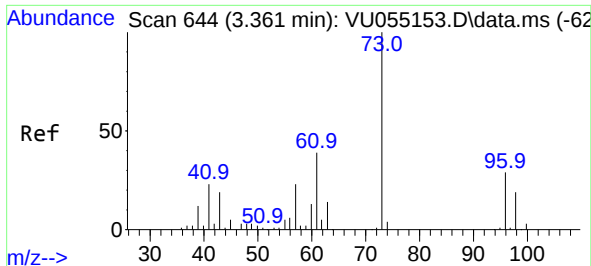
Tgt Ion:101 Resp: 5843
 Ion Ratio Lower Upper
 101 100
 103 67.5 51.9 77.9



#12
 1,1-Dichloroethene
 Concen: 13.009 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU055172.D
 Acq: 07 Sep 2023 04:36

Tgt Ion: 96 Resp: 98650
 Ion Ratio Lower Upper
 96 100
 61 173.7 120.8 224.4
 63 90.5 94.5 175.5#

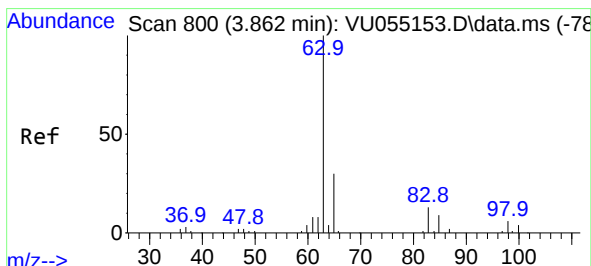
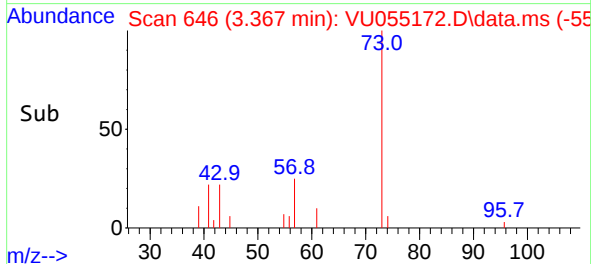
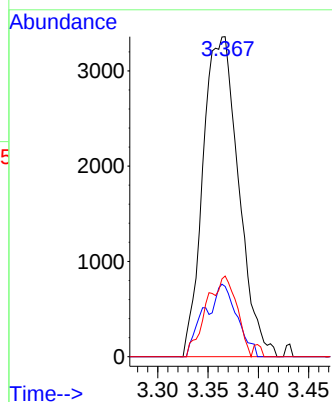
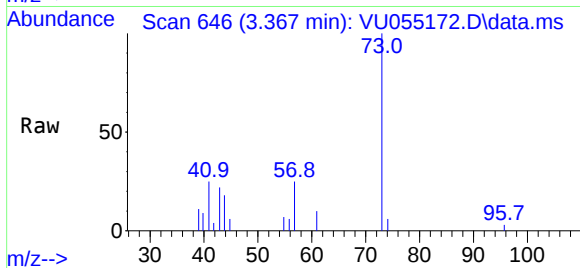




#17
Methyl tert-butyl Ether
Concen: 0.415 ug/L
RT: 3.367 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

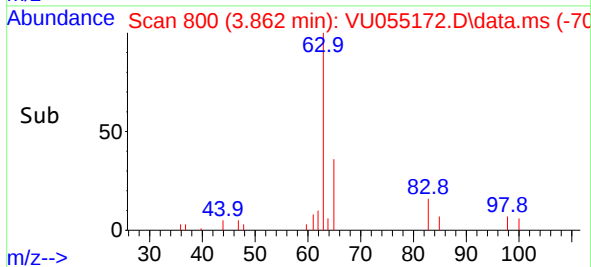
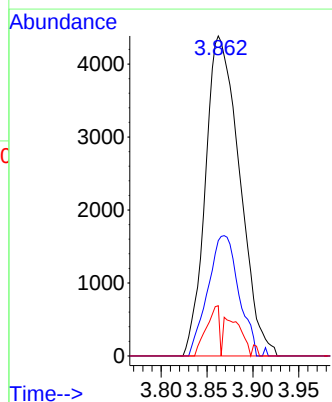
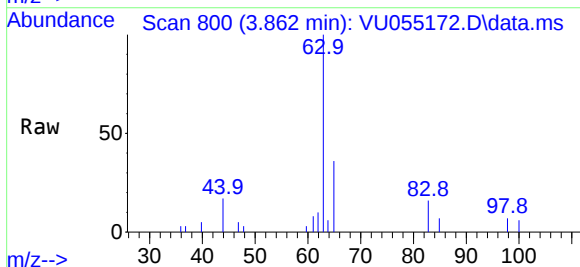
Instrument :
MSVOA_U
ClientSampleId :
BH4N6

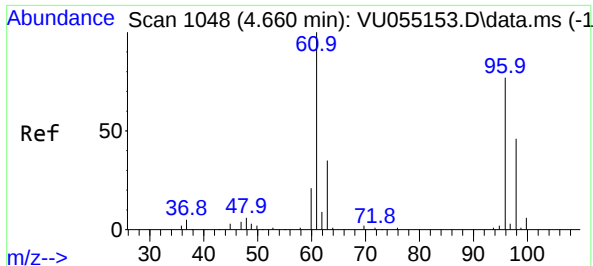
Tgt Ion: 73 Resp: 8258
Ion Ratio Lower Upper
73 100
43 14.7 16.2 24.2#
57 21.5 17.4 26.2



#19
1,1-Dichloroethane
Concen: 0.683 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.003 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Tgt Ion: 63 Resp: 11355
Ion Ratio Lower Upper
63 100
65 34.0 22.2 41.2
83 14.8 10.6 19.8



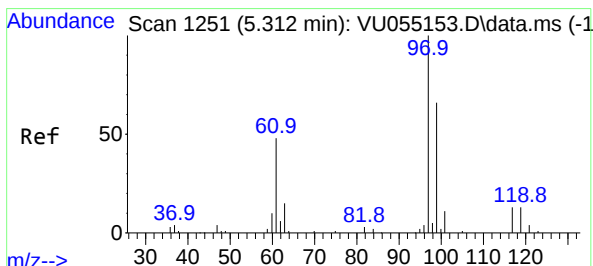
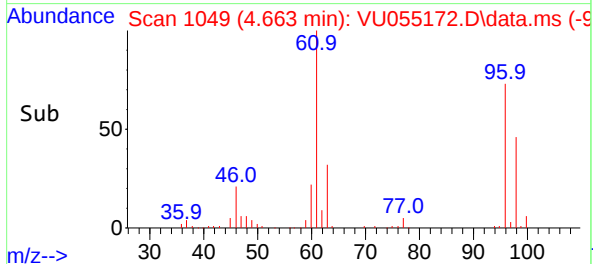
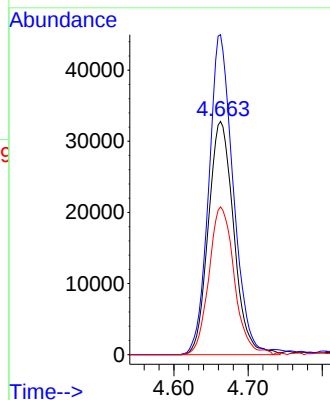
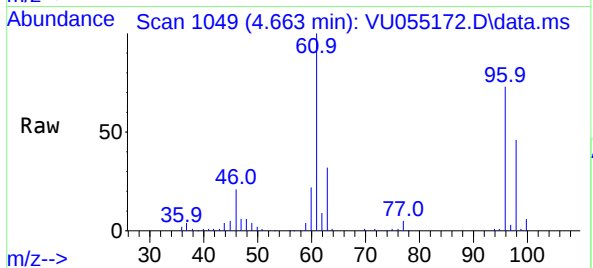


#22
 cis-1,2-Dichloroethene
 Concen: 8.272 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU055172.D
 Acq: 07 Sep 2023 04:36

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4N6

Tgt Ion: 96 Resp: 77908

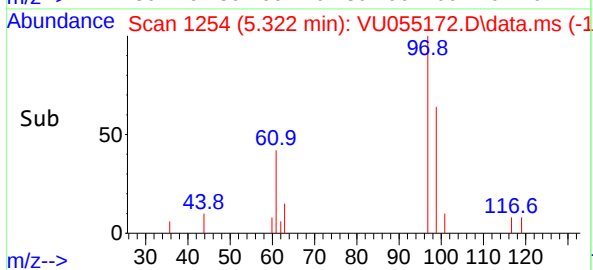
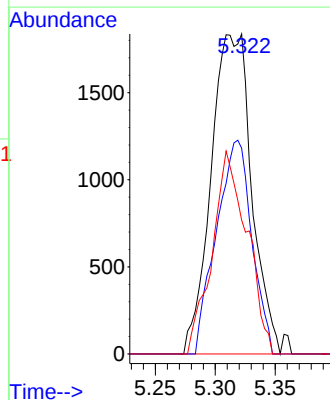
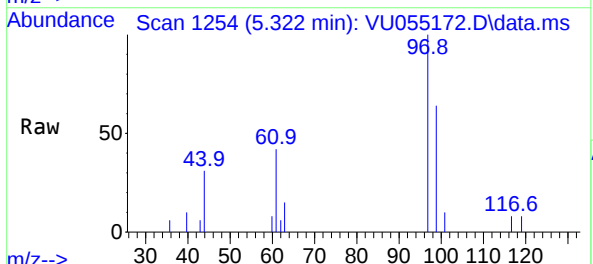
Ion	Ratio	Lower	Upper
96	100		
61	137.2	97.2	180.4
98	63.4	46.1	85.7

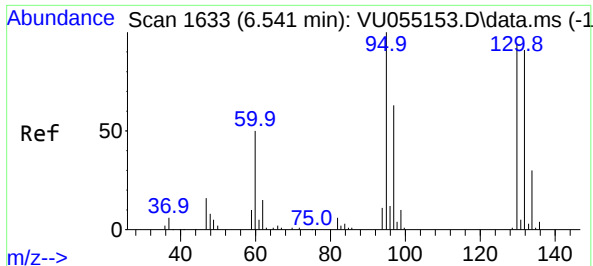


#29
 1,1,1-Trichloroethane
 Concen: 0.297 ug/L
 RT: 5.322 min Scan# 1254
 Delta R.T. 0.010 min
 Lab File: VU055172.D
 Acq: 07 Sep 2023 04:36

Tgt Ion: 97 Resp: 4325

Ion	Ratio	Lower	Upper
97	100		
99	58.3	51.8	77.8
61	54.4	36.8	55.2



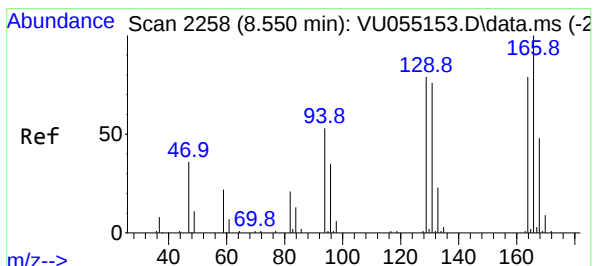
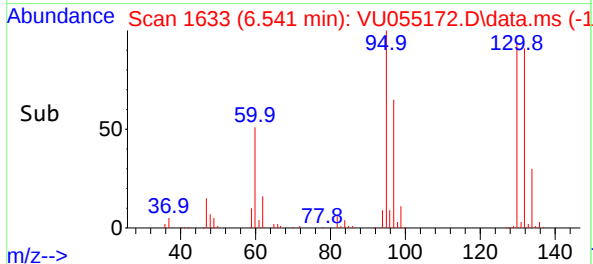
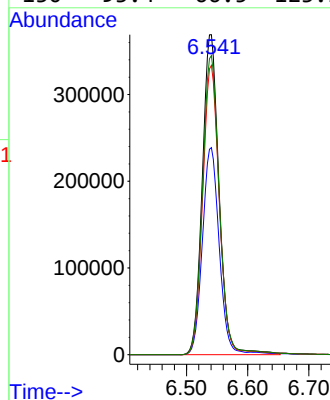
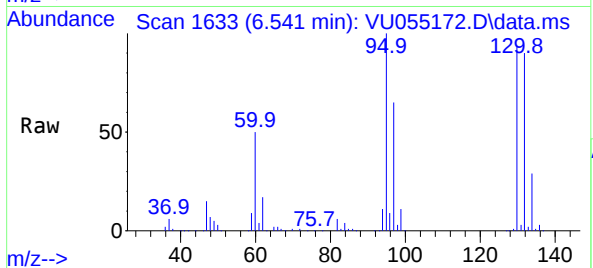


#34
Trichloroethene
Concen: 70.694 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Instrument :
MSVOA_U
ClientSampleId :
BH4N6

Tgt Ion: 95 Resp: 704673

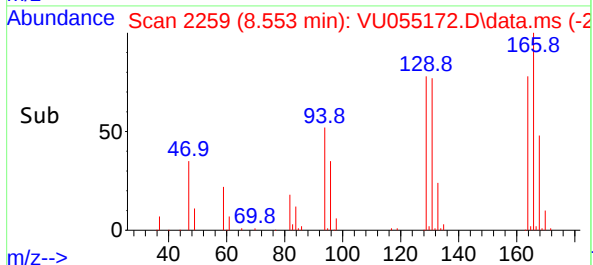
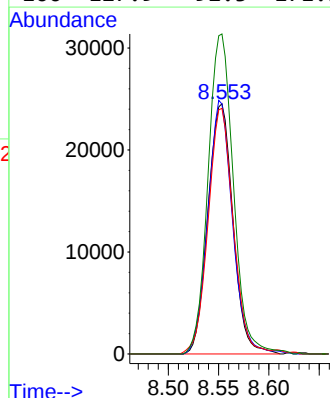
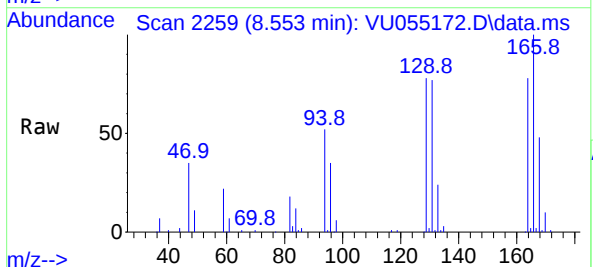
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.7	83.1
132	90.4	66.6	123.6
130	93.4	66.5	123.5

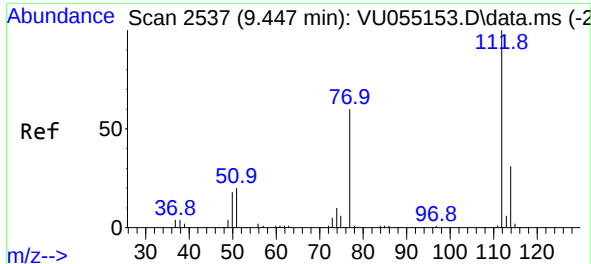


#47
Tetrachloroethene
Concen: 6.184 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.000 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Tgt Ion: 164 Resp: 42601

Ion	Ratio	Lower	Upper
164	100		
129	99.9	69.2	128.6
131	98.1	68.8	127.8
166	127.9	92.3	171.5

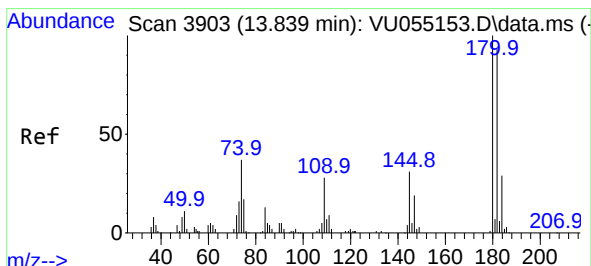
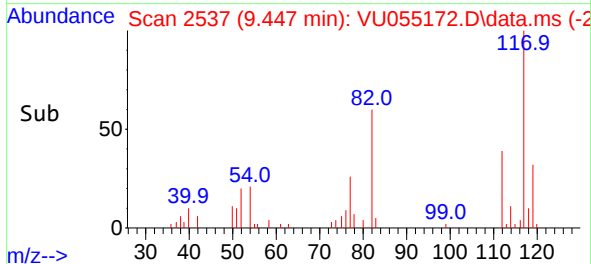
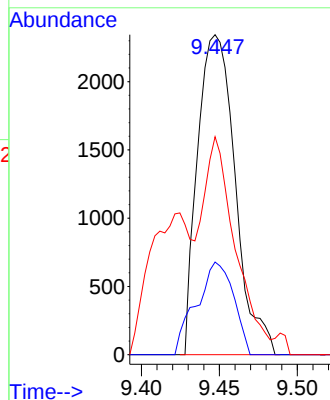
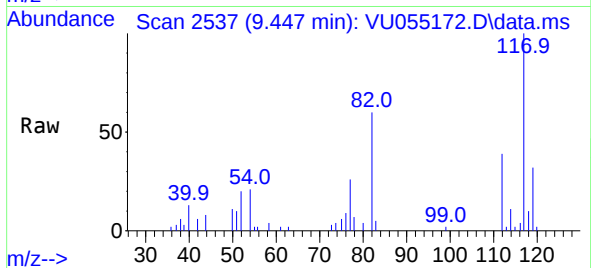




#51
Chlorobenzene
Concen: 0.156 ug/L
RT: 9.447 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

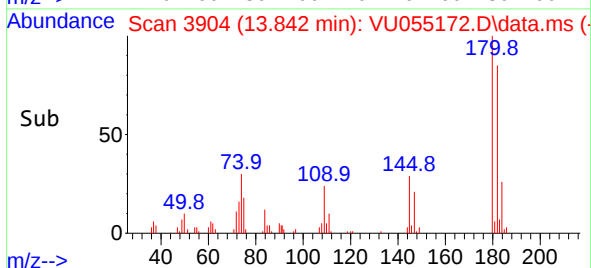
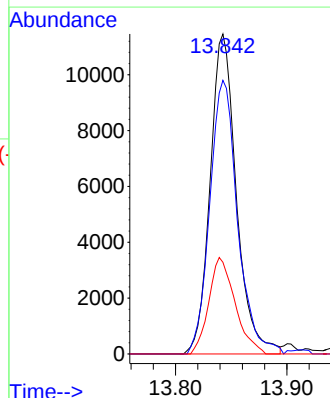
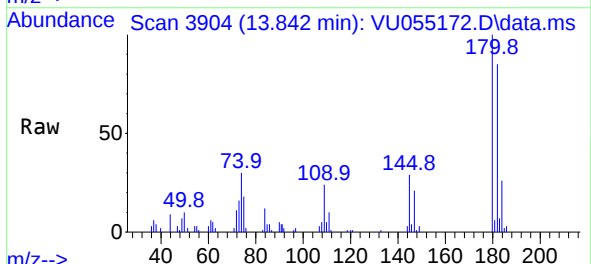
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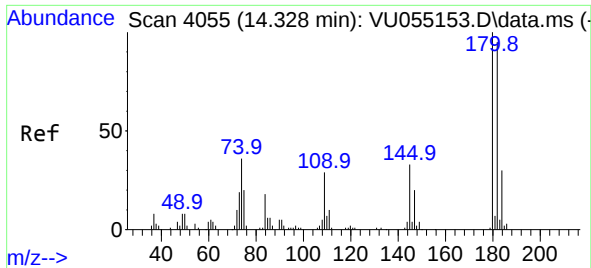
Tgt Ion:112 Resp: 3945
Ion Ratio Lower Upper
112 100
114 29.0 21.7 40.3
77 68.1 48.6 72.8



#70
1,2,4-trichlorobenzene
Concen: 1.421 ug/L
RT: 13.842 min Scan# 3904
Delta R.T. 0.003 min
Lab File: VU055172.D
Acq: 07 Sep 2023 04:36

Tgt Ion:180 Resp: 18756
Ion Ratio Lower Upper
180 100
182 90.5 73.6 110.4
145 30.3 25.8 38.8





#72

1,2,3-Trichlorobenzene

Concen: 0.500 ug/L

RT: 14.334 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU055172.D

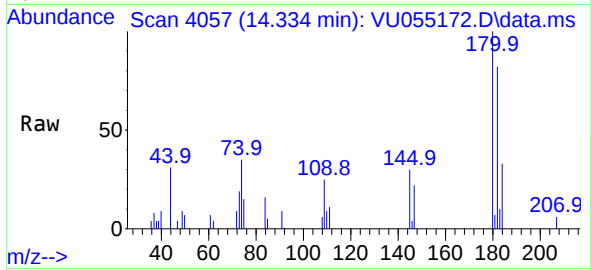
Acq: 07 Sep 2023 04:36

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:180 Resp: 5724

Ion Ratio Lower Upper

180 100

182 88.7 75.6 113.4

145 32.5 27.0 40.6

