

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055209.D
 Acq On : 08 Sep 2023 00:56
 Operator : MD/SY
 Sample : 04307-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4H1

Quant Time: Sep 08 06:38:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 08 06:18:43 2023
 Response via : Initial Calibration

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

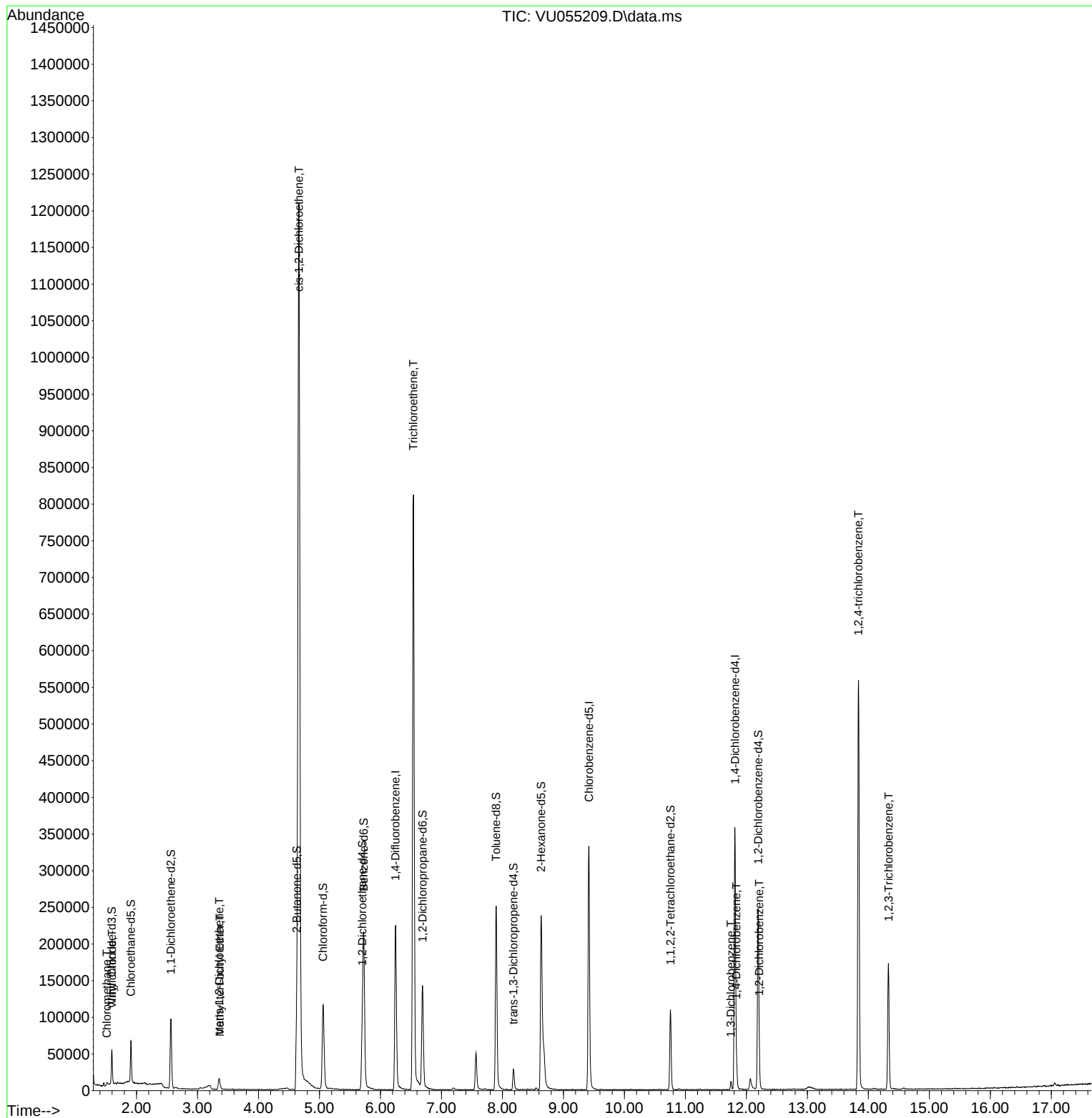
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	179697	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	180025	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	90704	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	28047	3.330	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	66.600%	
7) Chloroethane-d5	1.907	69	38616	3.961	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	79.200%	
11) 1,1-Dichloroethene-d2	2.563	65	18582	3.872	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	77.400%	
20) 2-Butanone-d5	4.627	46	146236	59.834	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	119.660%	
24) Chloroform-d	5.058	84	105583	4.724	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.400%	
26) 1,2-Dichloroethane-d4	5.701	65	55853	4.995	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.000%	
32) Benzene-d6	5.727	84	199913	4.499	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	90.000%	
36) 1,2-Dichloropropane-d6	6.692	67	66253	4.688	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	93.800%	
41) Toluene-d8	7.897	98	170411	4.163	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	83.200%	
43) trans-1,3-Dichloroprop...	8.180	79	15832	4.068	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	81.400%	
46) 2-Hexanone-d5	8.634	63	74950	47.431	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	94.860%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	52340	5.266	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	105.400%	
66) 1,2-Dichlorobenzene-d4	12.193	152	60517	4.571	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	91.400%	
Target Compounds						Qvalue
3) Chloromethane	1.515	50	2424	0.228	ug/L	92
5) Vinyl chloride	1.599	62	6088	0.543	ug/L	96
17) Methyl tert-butyl Ether	3.364	73	4040	0.185	ug/L #	67
18) trans-1,2-Dichloroethene	3.357	96	4576	0.543	ug/L	83
22) cis-1,2-Dichloroethene	4.663	96	606780	58.809	ug/L	99
34) Trichloroethene	6.541	95	278061	26.113	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	4346	0.214	ug/L	91
65) 1,4-Dichlorobenzene	11.836	146	9799	0.484	ug/L	96
67) 1,2-Dichlorobenzene	12.212	146	4191	0.220	ug/L	92
70) 1,2,4-trichlorobenzene	13.839	180	156277	10.861	ug/L	96
72) 1,2,3-Trichlorobenzene	14.331	180	48301	3.868	ug/L	98

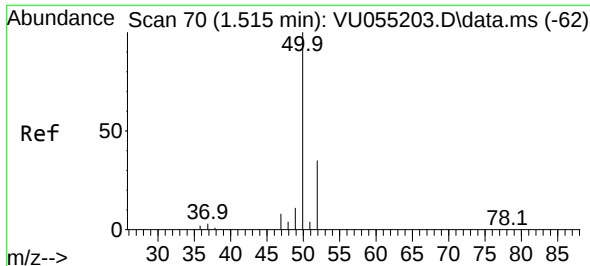
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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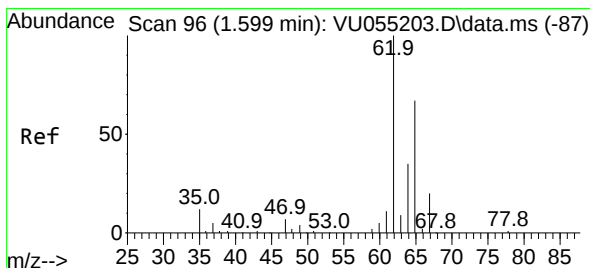
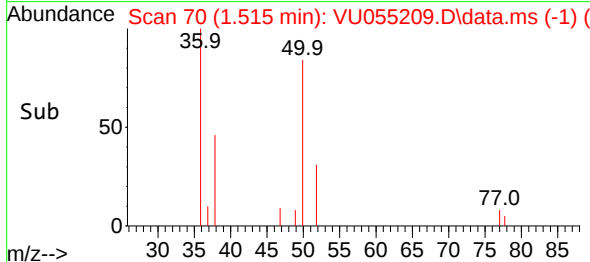
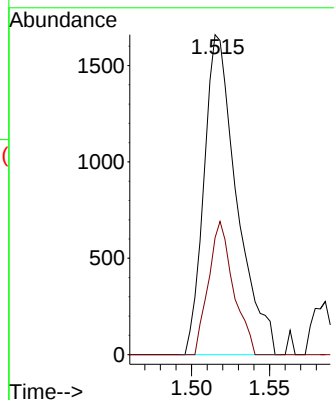
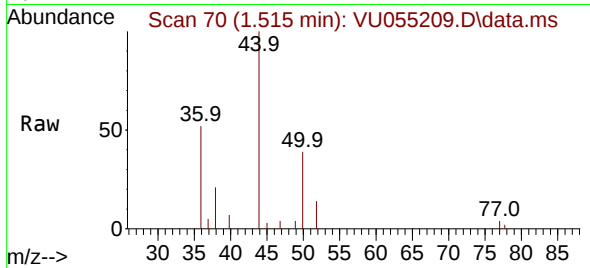




#3
Chloromethane
Concen: 0.228 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

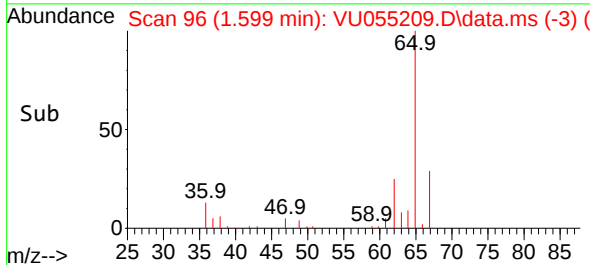
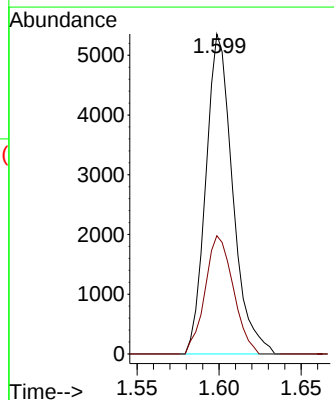
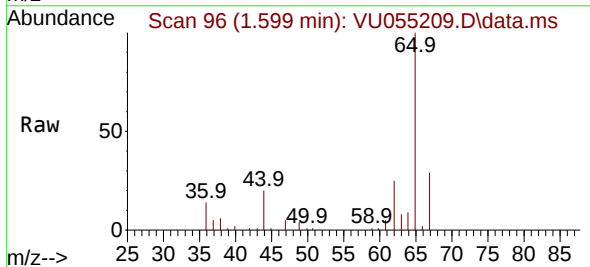
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MSVOA_U
ClientSampleId :
BH4H1

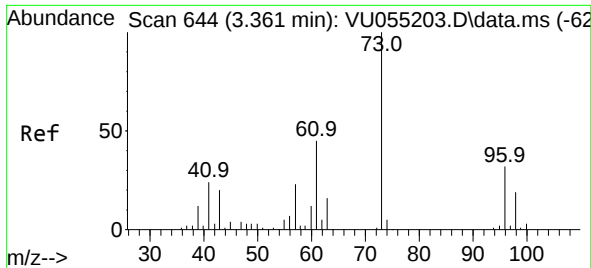
Tgt Ion: 50 Resp: 2424
Ion Ratio Lower Upper
50 100
52 36.6 22.5 41.7



#5
Vinyl chloride
Concen: 0.543 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

Tgt Ion: 62 Resp: 6088
Ion Ratio Lower Upper
62 100
64 36.9 24.2 45.0

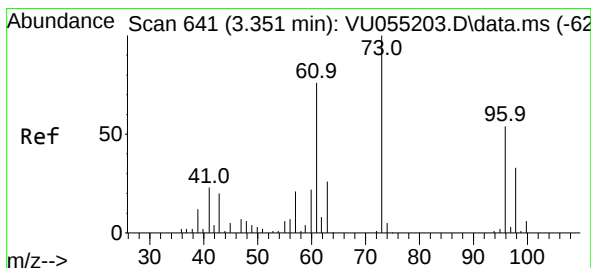
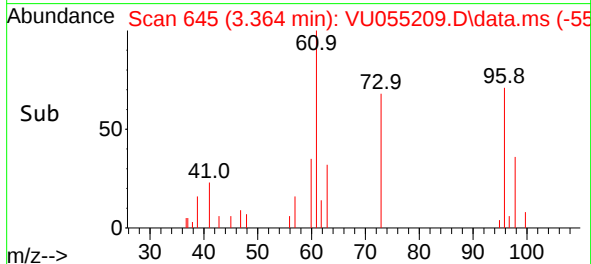
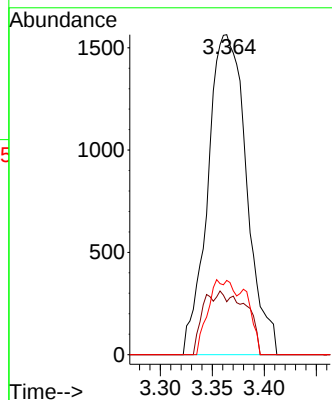
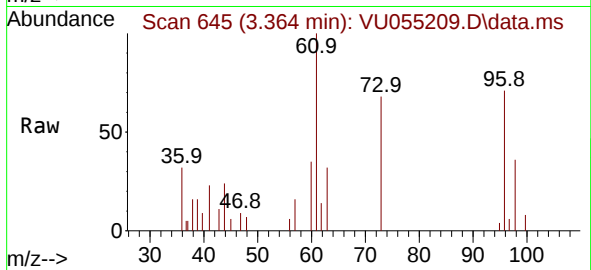




#17
Methyl tert-butyl Ether
Concen: 0.185 ug/L
RT: 3.364 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

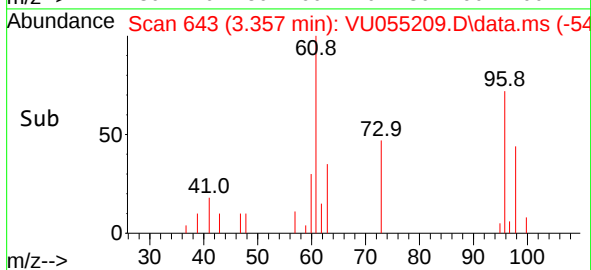
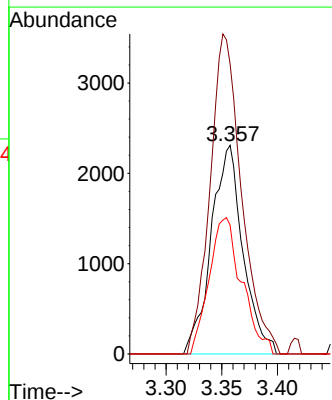
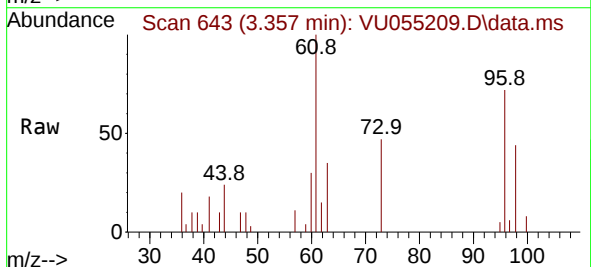
Instrument :
MSVOA_U
ClientSampleId :
BH4H1

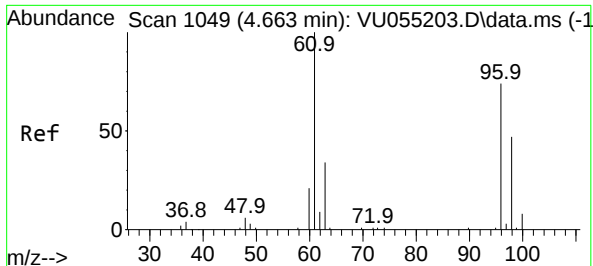
Tgt Ion: 73 Resp: 4040
Ion Ratio Lower Upper
73 100
43 1.4 16.2 24.2#
57 9.9 17.4 26.2#



#18
trans-1,2-Dichloroethene
Concen: 0.543 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

Tgt Ion: 96 Resp: 4576
Ion Ratio Lower Upper
96 100
61 128.6 108.1 200.9
98 57.2 45.4 84.4

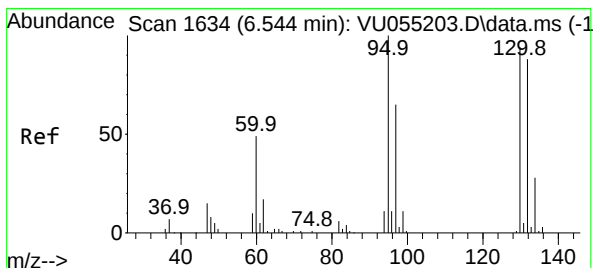
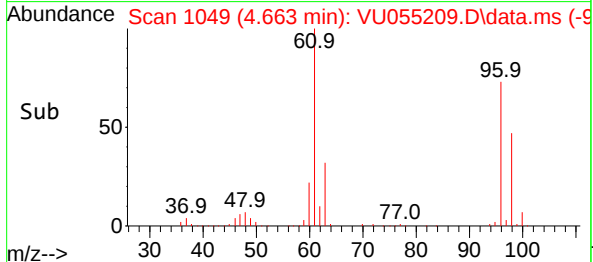
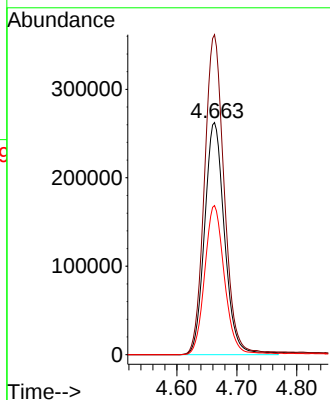
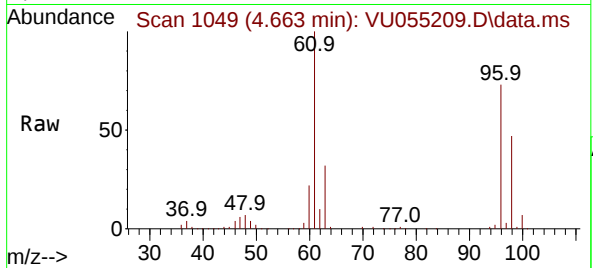




#22
cis-1,2-Dichloroethene
Concen: 58.809 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

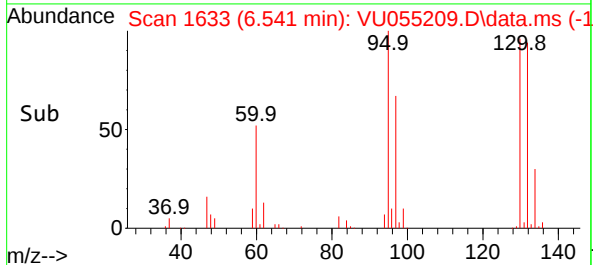
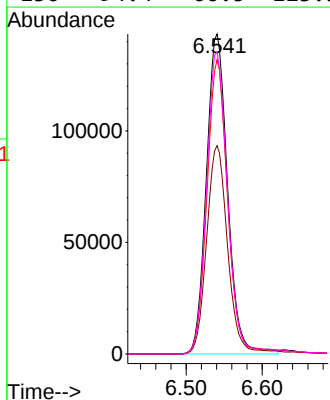
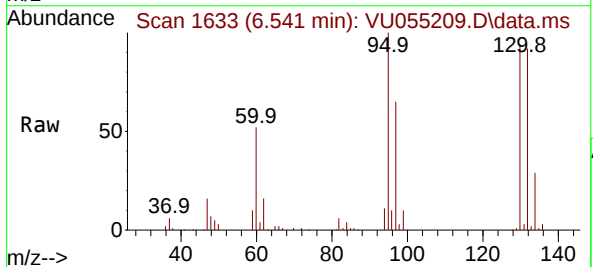
Instrument :
MSVOA_U
ClientSampleId :
BH4H1

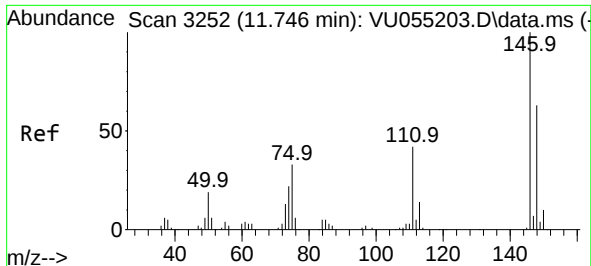
Tgt Ion: 96 Resp: 606780
Ion Ratio Lower Upper
96 100
61 137.8 97.2 180.4
98 64.2 46.1 85.7



#34
Trichloroethene
Concen: 26.113 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.003 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

Tgt Ion: 95 Resp: 278061
Ion Ratio Lower Upper
95 100
97 65.1 44.7 83.1
132 92.0 66.6 123.6
130 94.4 66.5 123.5

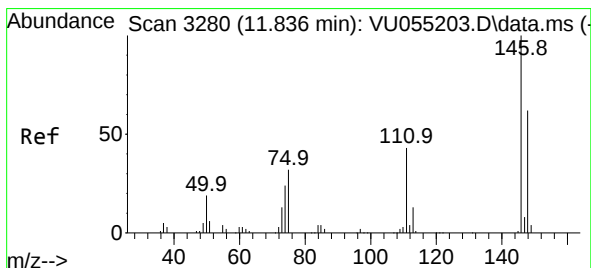
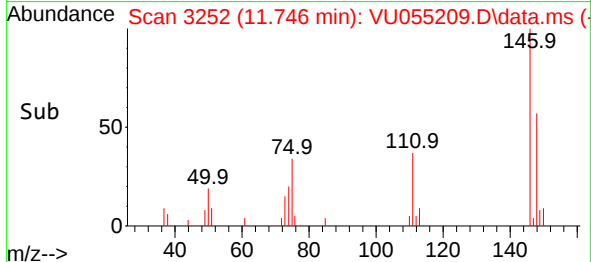
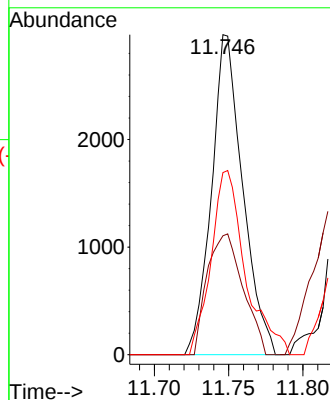
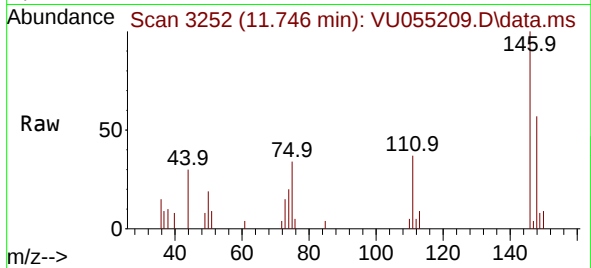




#64
1,3-Dichlorobenzene
Concen: 0.214 ug/L
RT: 11.746 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

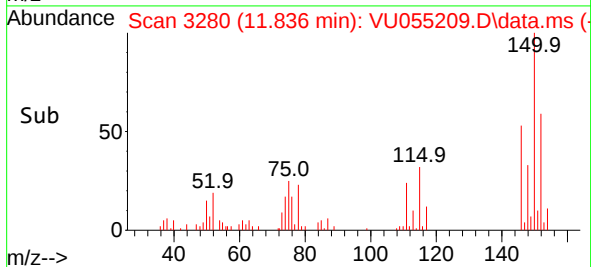
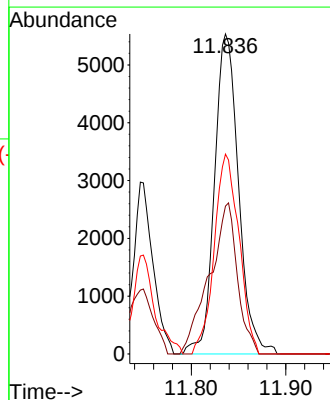
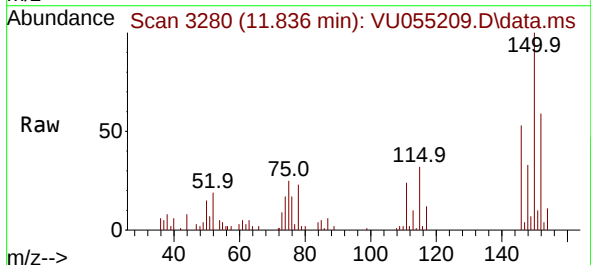
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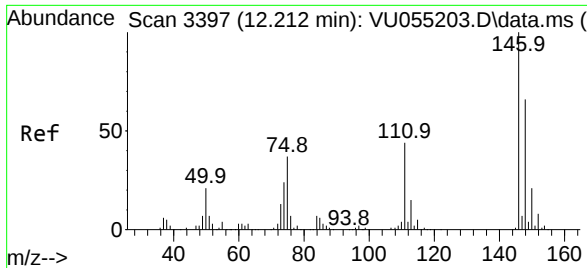
Tgt Ion:146 Resp: 4346
Ion Ratio Lower Upper
146 100
111 37.2 30.0 55.6
148 56.9 45.2 84.0



#65
1,4-Dichlorobenzene
Concen: 0.484 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. -0.000 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

Tgt Ion:146 Resp: 9799
Ion Ratio Lower Upper
146 100
111 46.2 28.1 52.1
148 62.5 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 0.220 ug/L

RT: 12.212 min Scan# 3397

Delta R.T. -0.000 min

Lab File: VU055209.D

Acq: 08 Sep 2023 00:56

Instrument :

MSVOA_U

ClientSampleId :

BH4H1

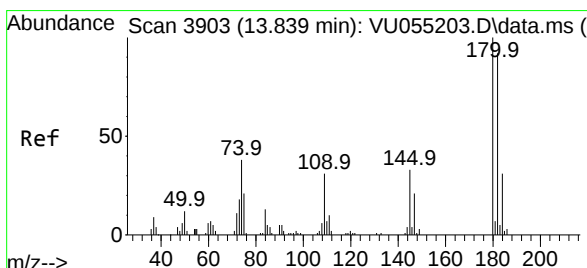
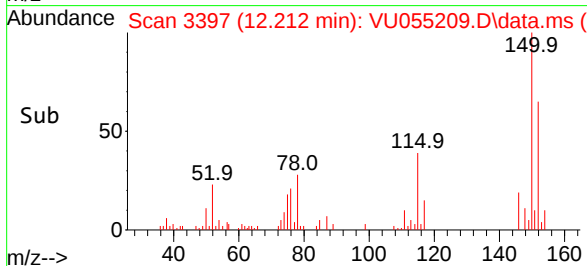
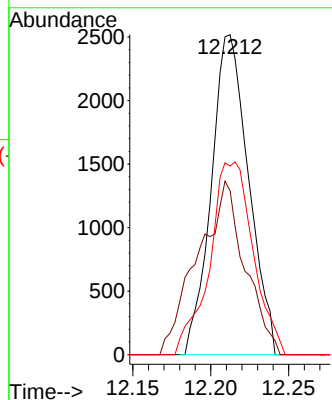
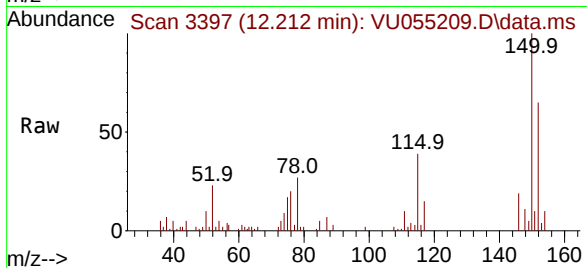
Tgt Ion:146 Resp: 4191

Ion Ratio Lower Upper

146 100

111 51.2 35.6 53.4

148 59.0 51.3 76.9



#70

1,2,4-trichlorobenzene

Concen: 10.861 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. -0.000 min

Lab File: VU055209.D

Acq: 08 Sep 2023 00:56

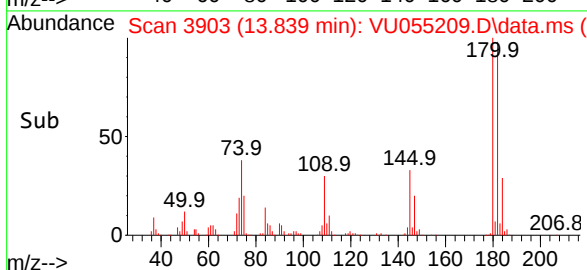
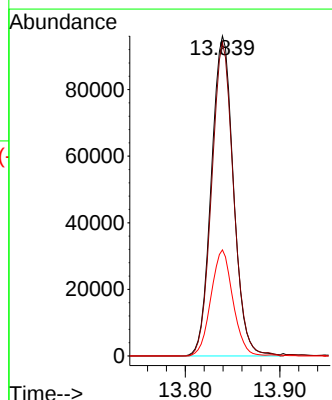
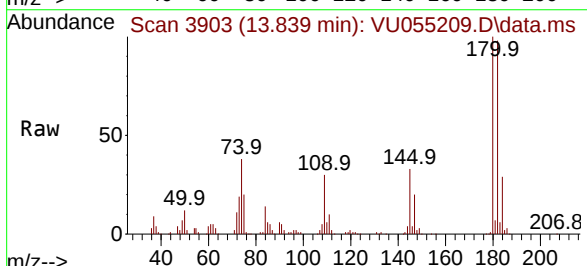
Tgt Ion:180 Resp: 156277

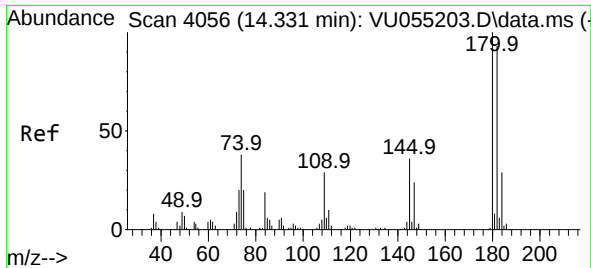
Ion Ratio Lower Upper

180 100

182 96.5 73.6 110.4

145 32.8 25.8 38.8





#72
 1,2,3-Trichlorobenzene
 Concen: 3.868 ug/L
 RT: 14.331 min Scan# 4056
 Delta R.T. -0.000 min
 Lab File: VU055209.D
 Acq: 08 Sep 2023 00:56

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:	180	Resp:	48301
Ion Ratio	Lower	Upper	
180	100		
182	96.1	75.6	113.4
145	35.4	27.0	40.6

