

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055210.D
 Acq On : 08 Sep 2023 01:20
 Operator : MD/SY
 Sample : 04307-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4H2

Quant Time: Sep 08 06:38:38 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)

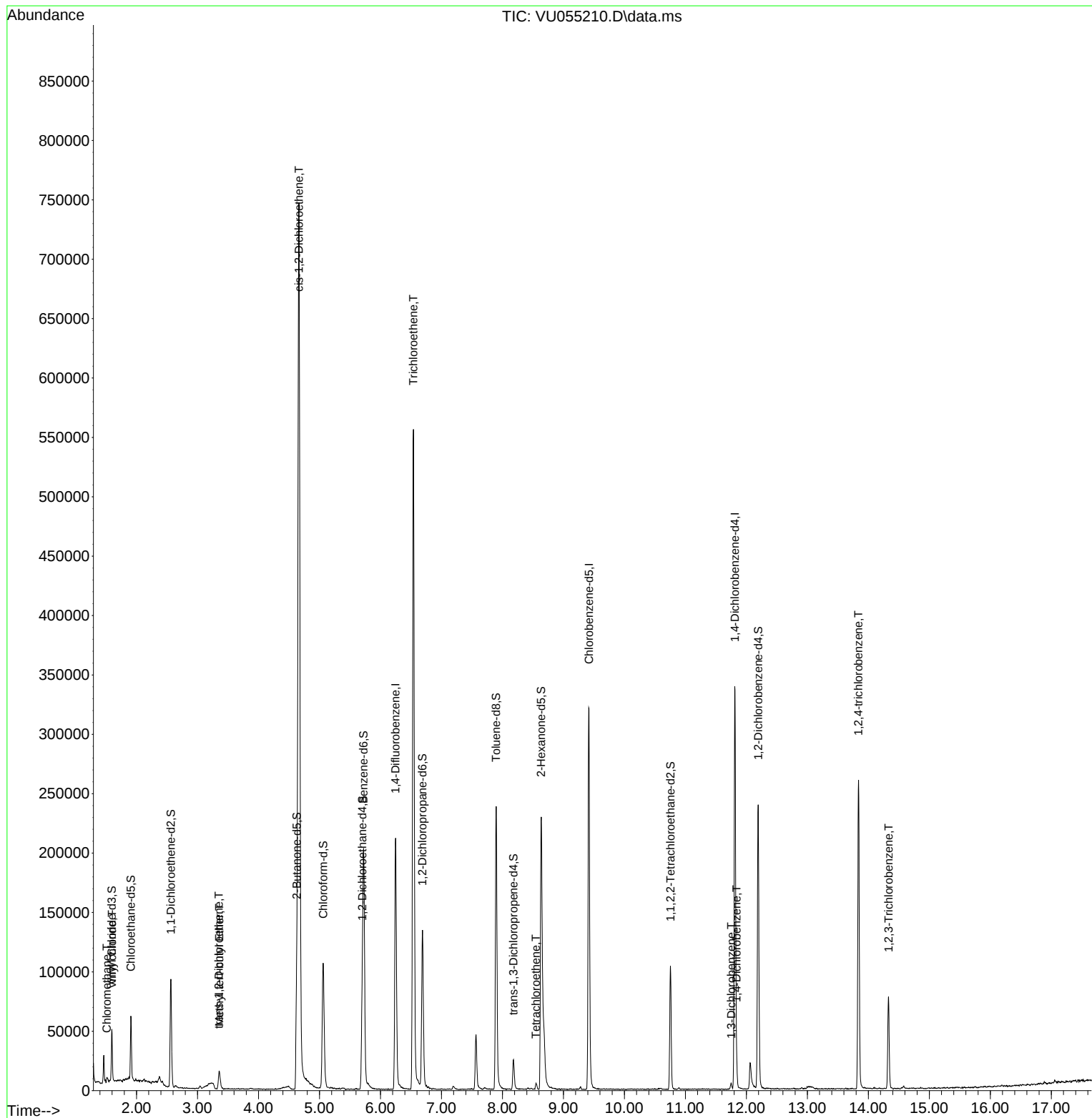
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	167287	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	173871	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	85595	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	24804	3.164	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.200%
7) Chloroethane-d5	1.907	69	35733	3.937	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.800%
11) 1,1-Dichloroethene-d2	2.563	65	17919	4.011	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.200%
20) 2-Butanone-d5	4.628	46	137317	60.353	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.700%
24) Chloroform-d	5.062	84	98118	4.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.702	65	52340	5.028	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
32) Benzene-d6	5.724	84	185197	4.315	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.689	67	64642	4.735	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.898	98	160864	4.069	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	8.181	79	15143	4.028	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.600%
46) 2-Hexanone-d5	8.634	63	73124	47.913	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.820%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	51594	5.374	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	57282	4.585	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.600%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	3206	0.324	ug/L	90
5) Vinyl chloride	1.599	62	5348	0.512	ug/L	95
17) Methyl tert-butyl Ether	3.358	73	8706	0.429	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	3043	0.388	ug/L	91
22) cis-1,2-Dichloroethene	4.663	96	369227	38.440	ug/L	98
34) Trichloroethene	6.541	95	192608	18.728	ug/L	95
47) Tetrachloroethene	8.550	164	1122	0.158	ug/L	89
64) 1,3-Dichlorobenzene	11.753	146	2043	0.107	ug/L	95
65) 1,4-Dichlorobenzene	11.840	146	5436	0.285	ug/L	91
70) 1,2,4-trichlorobenzene	13.839	180	73664	5.425	ug/L	97
72) 1,2,3-Trichlorobenzene	14.331	180	22259	1.889	ug/L	97

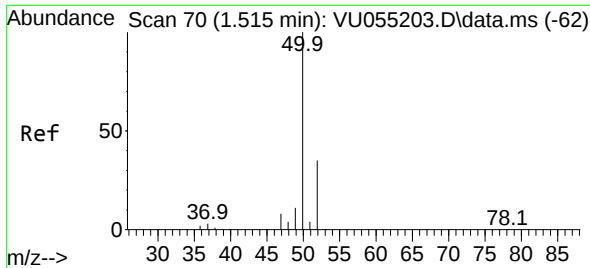
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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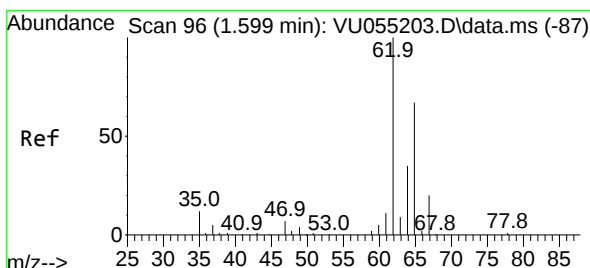
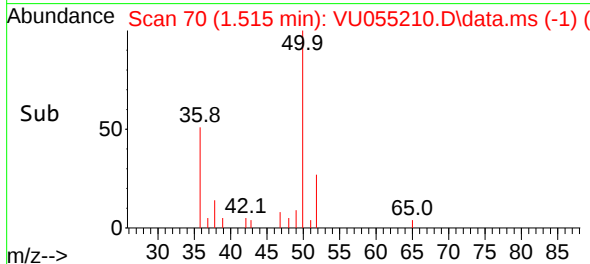
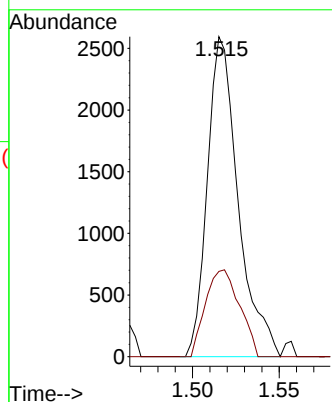
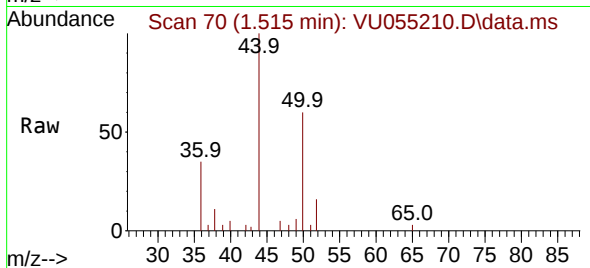




#3
Chloromethane
Concen: 0.324 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055210.D
Acq: 08 Sep 2023 01:20

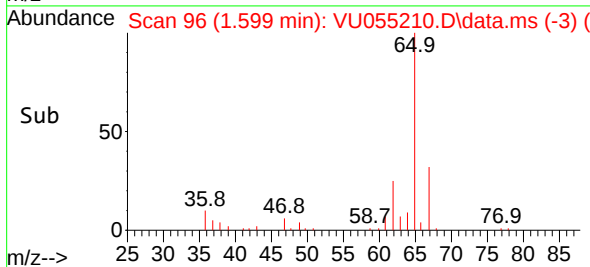
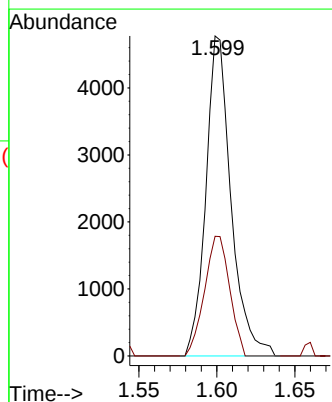
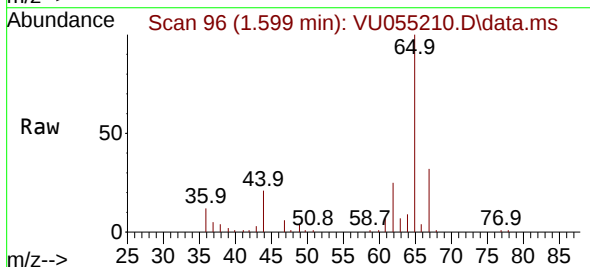
Instrument :
MSVOA_U
ClientSampleId :
BH4H2

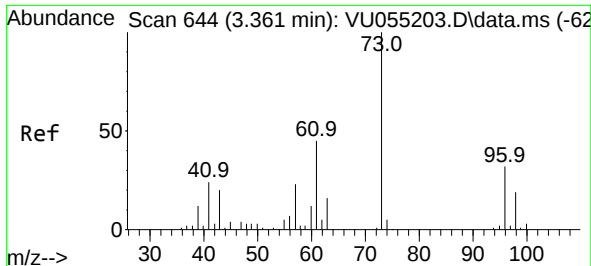
Tgt Ion: 50 Resp: 3206
Ion Ratio Lower Upper
50 100
52 26.6 22.5 41.7



#5
Vinyl chloride
Concen: 0.512 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU055210.D
Acq: 08 Sep 2023 01:20

Tgt Ion: 62 Resp: 5348
Ion Ratio Lower Upper
62 100
64 37.4 24.2 45.0

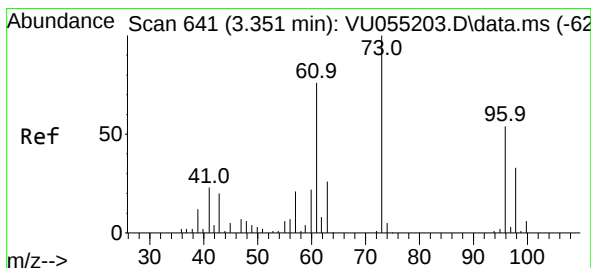
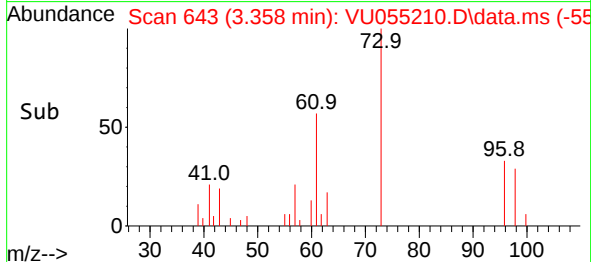
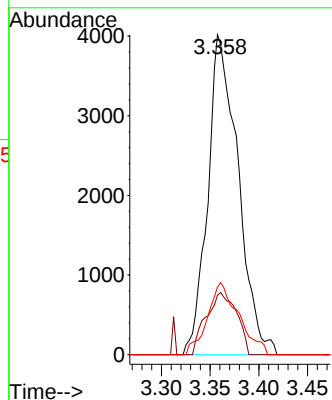
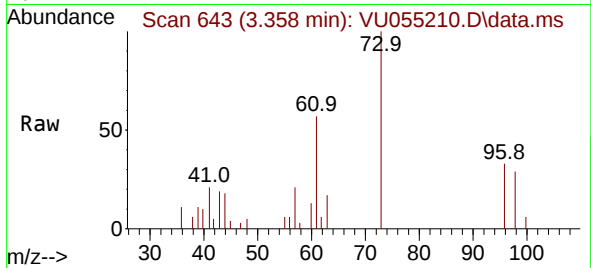




#17
Methyl tert-butyl Ether
Concen: 0.429 ug/L
RT: 3.358 min Scan# 644
Delta R.T. -0.003 min
Lab File: VU055210.D
Acq: 08 Sep 2023 01:20

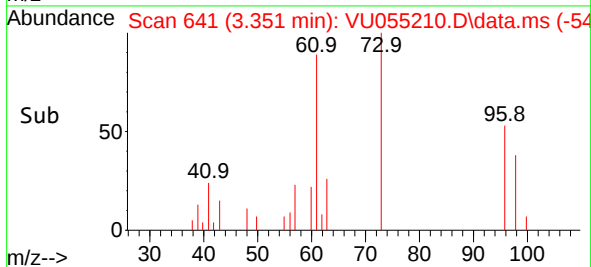
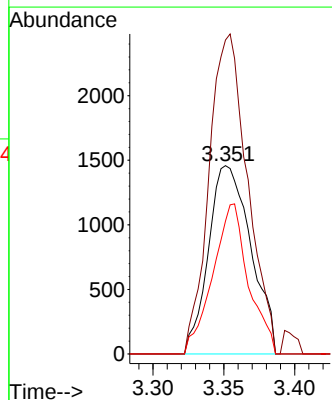
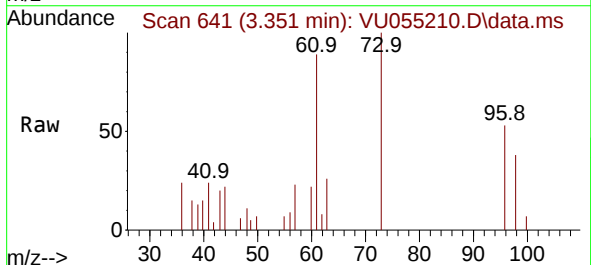
Instrument :
MSVOA_U
ClientSampleId :
BH4H2

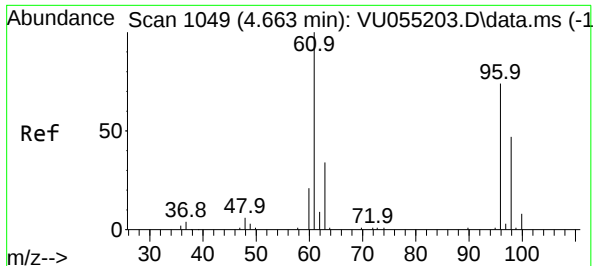
Tgt Ion: 73 Resp: 8706
Ion Ratio Lower Upper
73 100
43 19.5 16.2 24.2
57 23.3 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 0.388 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055210.D
Acq: 08 Sep 2023 01:20

Tgt Ion: 96 Resp: 3043
Ion Ratio Lower Upper
96 100
61 166.6 108.1 200.9
98 70.5 45.4 84.4

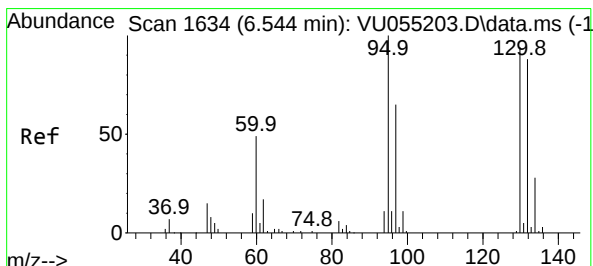
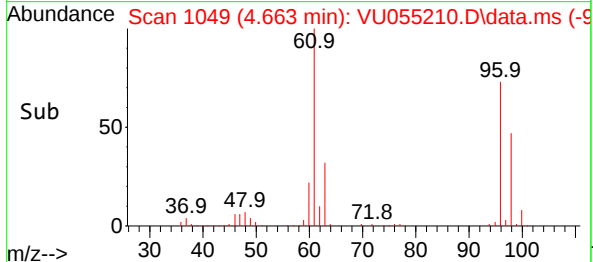
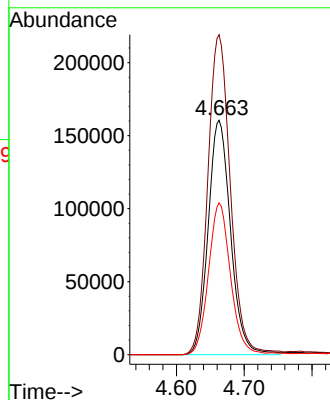
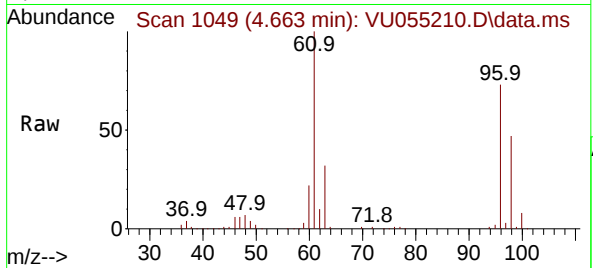




#22
 cis-1,2-Dichloroethene
 Concen: 38.440 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU055210.D
 Acq: 08 Sep 2023 01:20

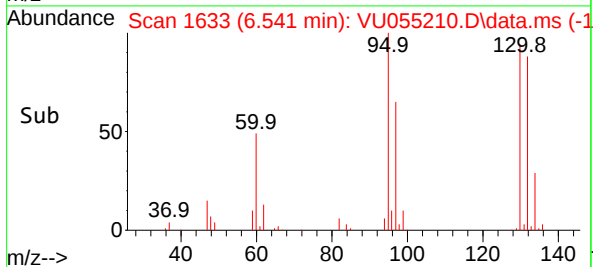
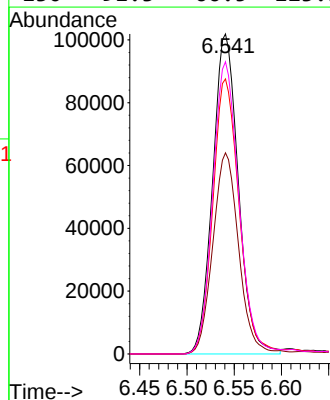
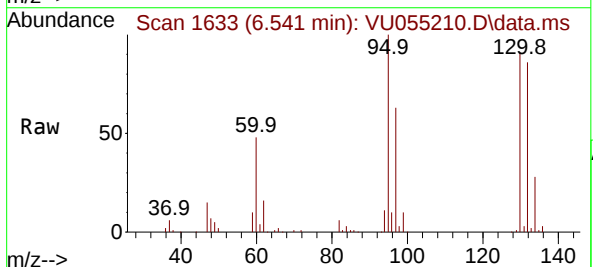
Instrument :
 MSVOA_U
 ClientSampleId :
 BH4H2

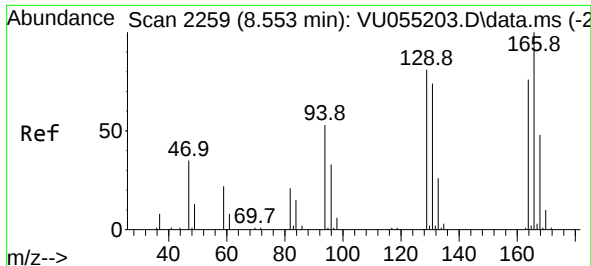
Tgt Ion: 96 Resp: 369227
 Ion Ratio Lower Upper
 96 100
 61 136.5 97.2 180.4
 98 64.8 46.1 85.7



#34
 Trichloroethene
 Concen: 18.728 ug/L
 RT: 6.541 min Scan# 1633
 Delta R.T. -0.003 min
 Lab File: VU055210.D
 Acq: 08 Sep 2023 01:20

Tgt Ion: 95 Resp: 192608
 Ion Ratio Lower Upper
 95 100
 97 62.8 44.7 83.1
 132 86.0 66.6 123.6
 130 91.3 66.5 123.5





#47

Tetrachloroethene

Concen: 0.158 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU055210.D

Acq: 08 Sep 2023 01:20

Instrument :

MSVOA_U

ClientSampleId :

BH4H2

Tgt Ion:164 Resp: 1122

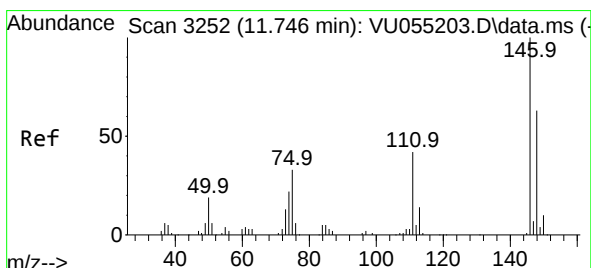
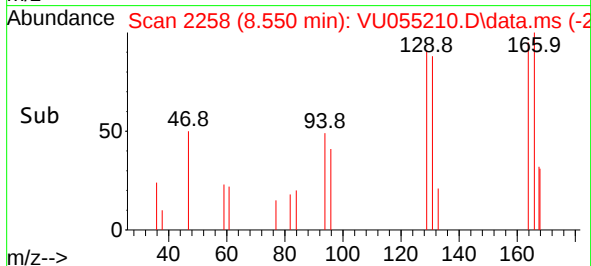
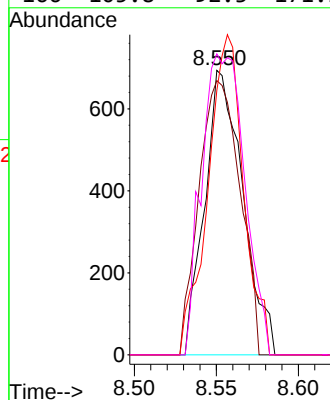
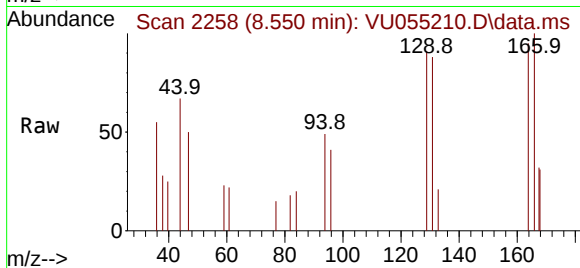
Ion Ratio Lower Upper

164 100

129 96.4 69.2 128.6

131 92.9 68.8 127.8

166 105.8 92.3 171.5



#64

1,3-Dichlorobenzene

Concen: 0.107 ug/L

RT: 11.753 min Scan# 3254

Delta R.T. 0.006 min

Lab File: VU055210.D

Acq: 08 Sep 2023 01:20

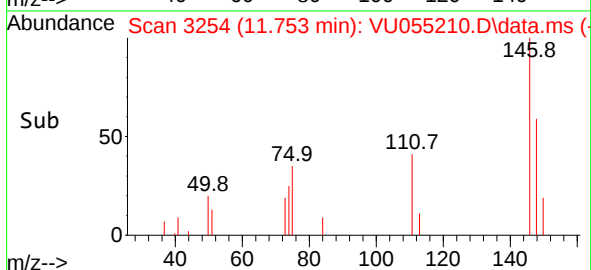
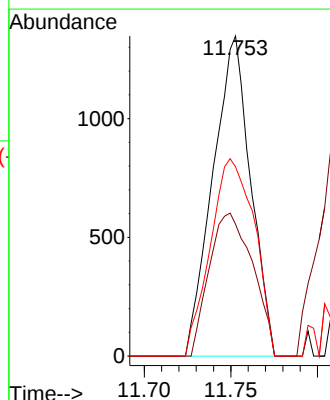
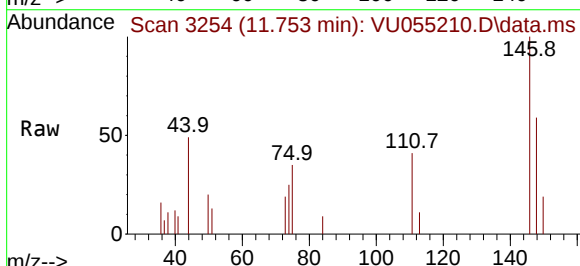
Tgt Ion:146 Resp: 2043

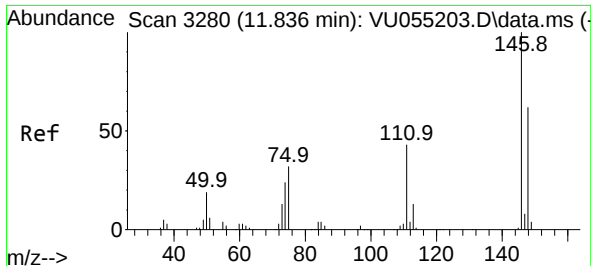
Ion Ratio Lower Upper

146 100

111 41.2 30.0 55.6

148 59.1 45.2 84.0





#65

1,4-Dichlorobenzene

Concen: 0.285 ug/L

RT: 11.840 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055210.D

Acq: 08 Sep 2023 01:20

Instrument :

MSVOA_U

ClientSampleId :

BH4H2

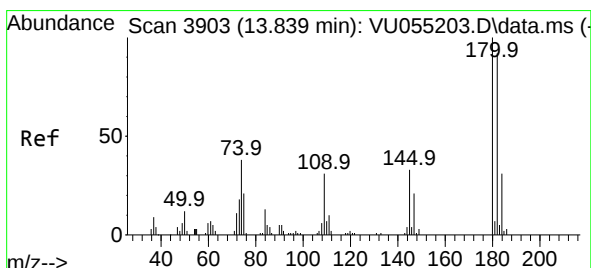
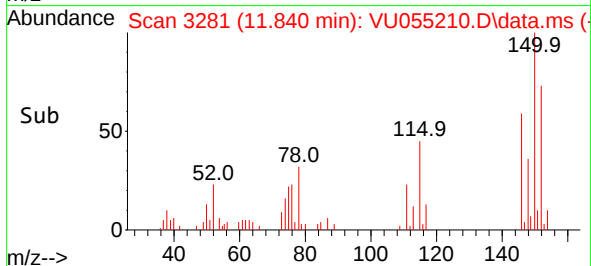
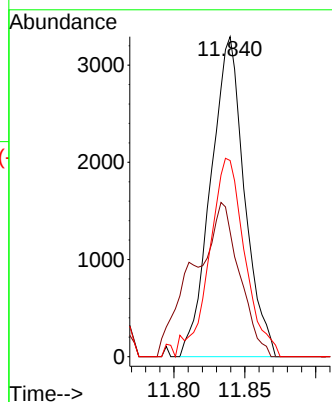
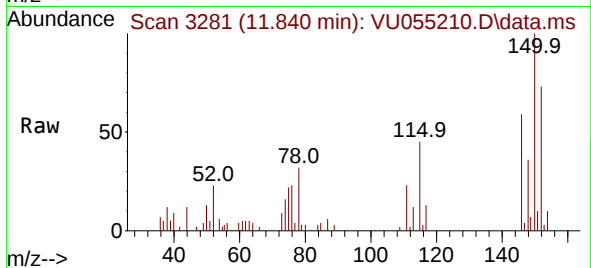
Tgt Ion:146 Resp: 5436

Ion Ratio Lower Upper

146 100

111 39.0 28.1 52.1

148 73.2 43.8 81.3



#70

1,2,4-trichlorobenzene

Concen: 5.425 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU055210.D

Acq: 08 Sep 2023 01:20

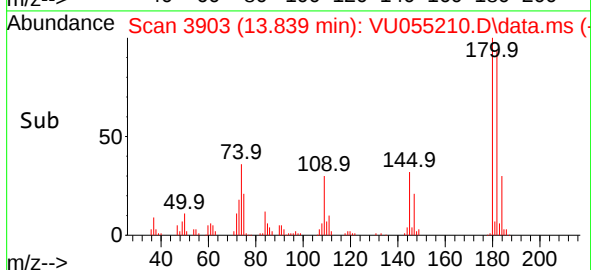
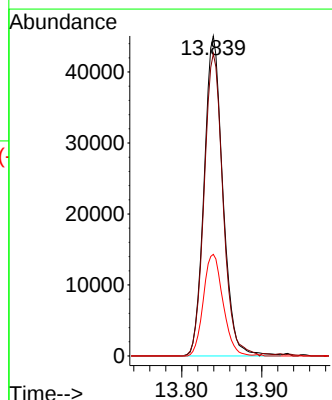
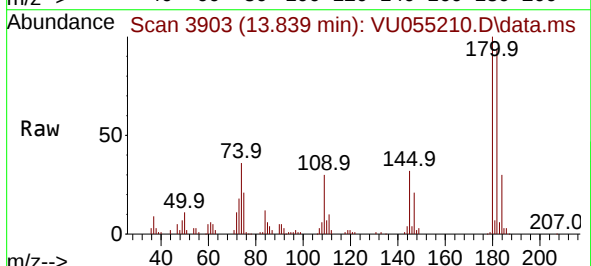
Tgt Ion:180 Resp: 73664

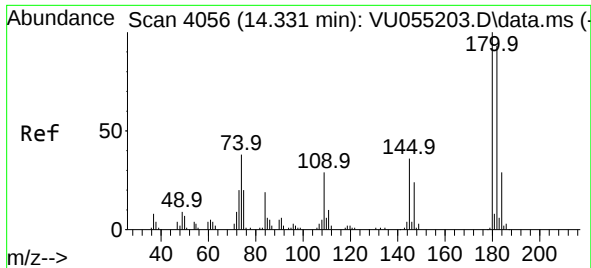
Ion Ratio Lower Upper

180 100

182 94.8 73.6 110.4

145 33.2 25.8 38.8





#72
 1,2,3-Trichlorobenzene
 Concen: 1.889 ug/L
 RT: 14.331 min Scan# 4056
 Delta R.T. 0.000 min
 Lab File: VU055210.D
 Acq: 08 Sep 2023 01:20

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4H2

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.6	113.4
145	36.2	27.0	40.6

