

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055119.D
 Acq On : 06 Sep 2023 01:49
 Operator : MD/SY
 Sample : 04250-20
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4C6

Quant Time: Sep 06 05:26:34 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)

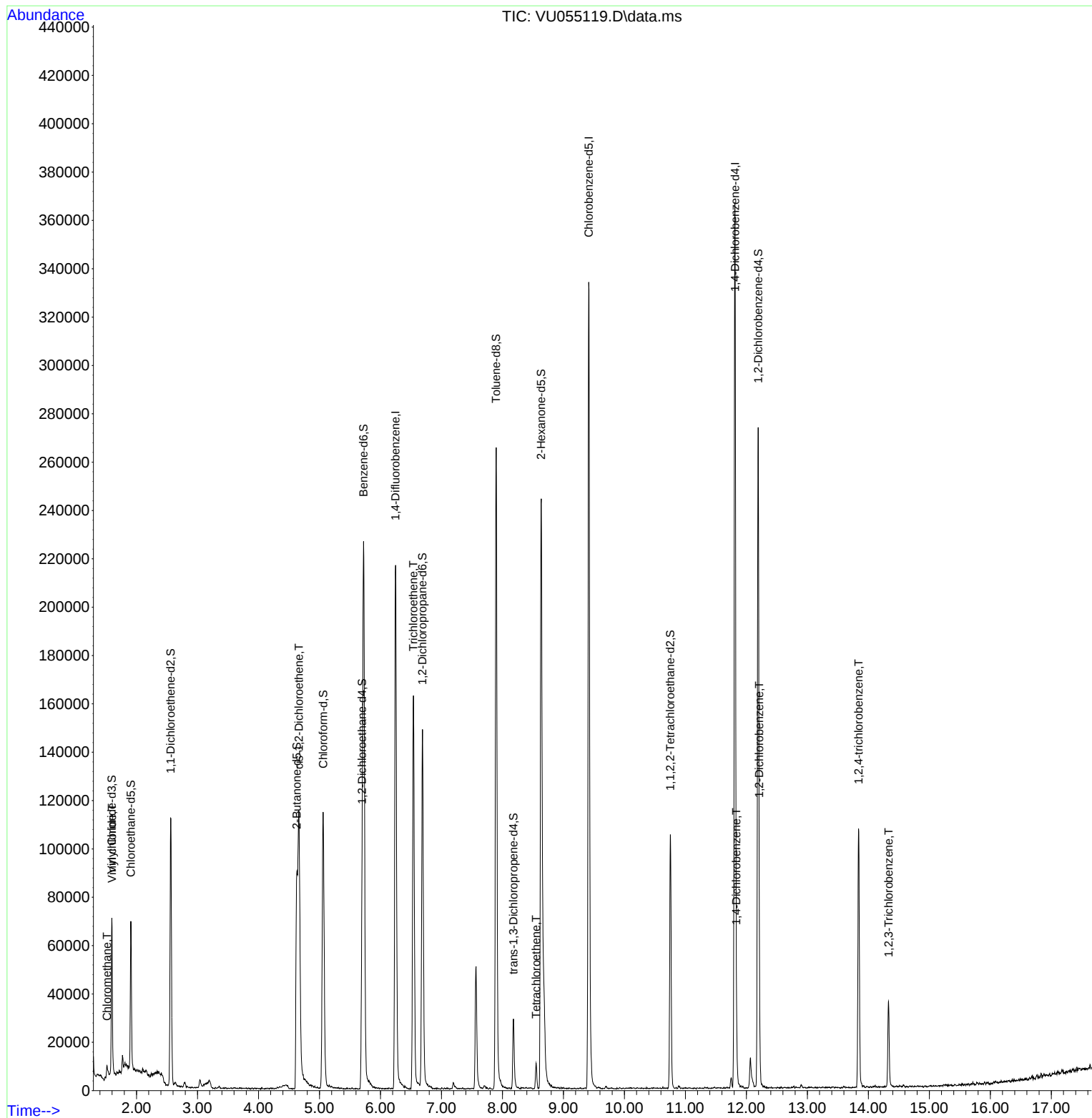
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	177181	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	181935	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	92359	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	34314	4.132	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	82.600%	
7) Chloroethane-d5	1.907	69	42646	4.437	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	88.800%	
11) 1,1-Dichloroethene-d2	2.560	65	21408	4.524	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	90.400%	
20) 2-Butanone-d5	4.628	46	136735	56.741	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	113.480%	
24) Chloroform-d	5.062	84	107555	4.881	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	97.600%	
26) 1,2-Dichloroethane-d4	5.698	65	57636	5.228	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	104.600%	
32) Benzene-d6	5.724	84	207800	4.627	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	92.600%	
36) 1,2-Dichloropropane-d6	6.689	67	70089	4.907	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	98.200%	
41) Toluene-d8	7.898	98	179721	4.344	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	86.800%	
43) trans-1,3-Dichloroprop...	8.180	79	16700	4.246	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	85.000%	
46) 2-Hexanone-d5	8.634	63	81317	50.920	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	101.840%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	52467	5.223	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	104.400%	
66) 1,2-Dichlorobenzene-d4	12.193	152	68364	5.071	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	101.400%	
Target Compounds						
3) Chloromethane	1.515	50	3147	0.300	ug/L	94
5) Vinyl chloride	1.599	62	13193	1.193	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	47785	4.697	ug/L	93
34) Trichloroethene	6.541	95	57375	5.332	ug/L	97
47) Tetrachloroethene	8.553	164	1851	0.249	ug/L	92
65) 1,4-Dichlorobenzene	11.836	146	4789	0.232	ug/L #	82
67) 1,2-Dichlorobenzene	12.209	146	5019	0.259	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	31033	2.118	ug/L	98
72) 1,2,3-Trichlorobenzene	14.331	180	10521	0.827	ug/L	98

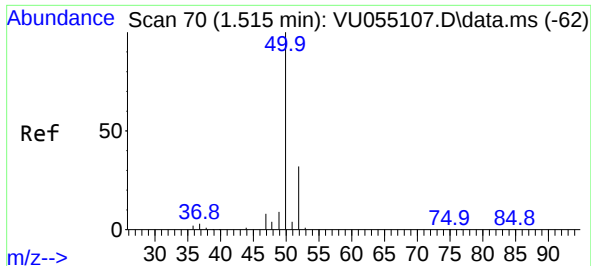
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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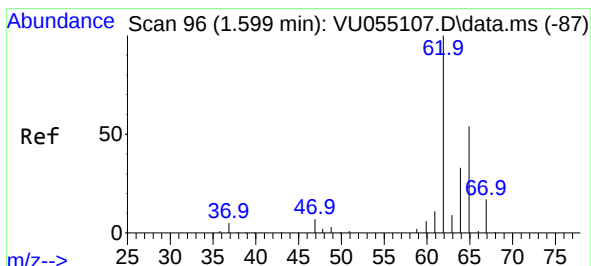
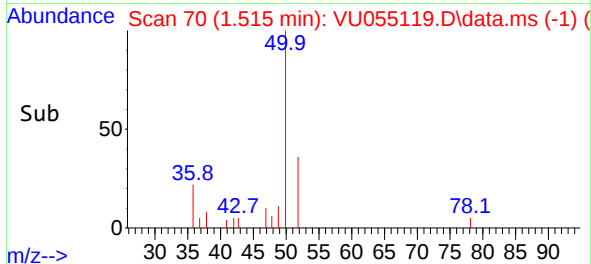
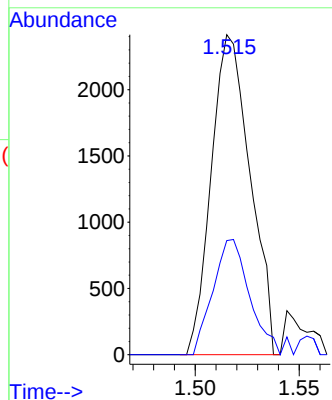
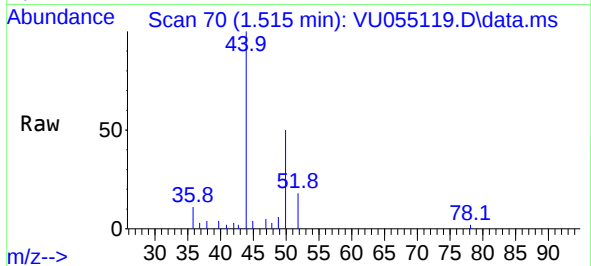




#3
Chloromethane
Concen: 0.300 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055119.D
Acq: 06 Sep 2023 01:49

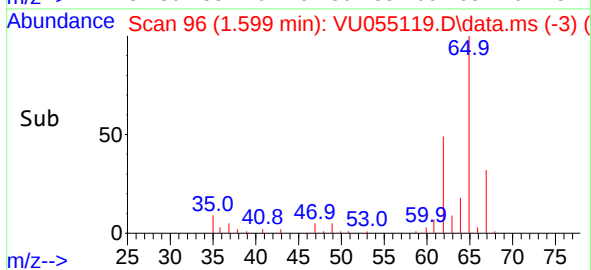
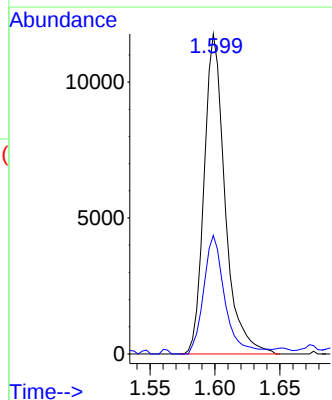
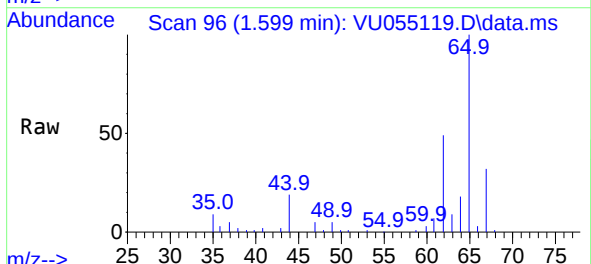
Instrument :
MSVOA_U
ClientSampleId :
BH4C6

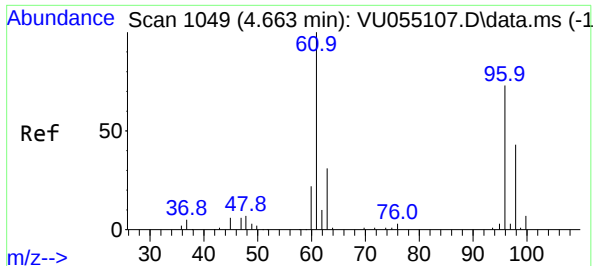
Tgt Ion: 50 Resp: 3147
Ion Ratio Lower Upper
50 100
52 35.7 22.5 41.7



#5
Vinyl chloride
Concen: 1.193 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU055119.D
Acq: 06 Sep 2023 01:49

Tgt Ion: 62 Resp: 13193
Ion Ratio Lower Upper
62 100
64 37.1 24.2 45.0

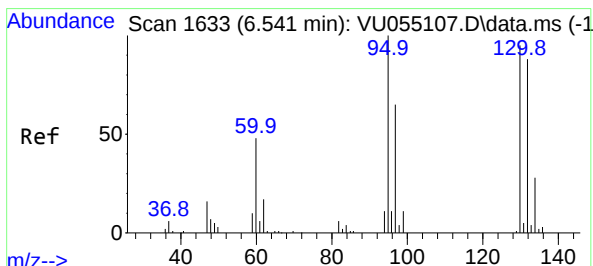
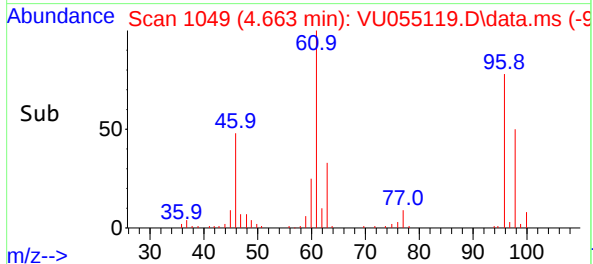
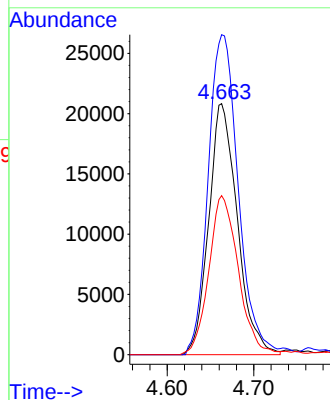
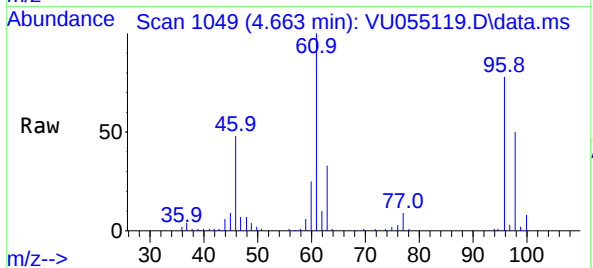




#22
cis-1,2-Dichloroethene
Concen: 4.697 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055119.D
Acq: 06 Sep 2023 01:49

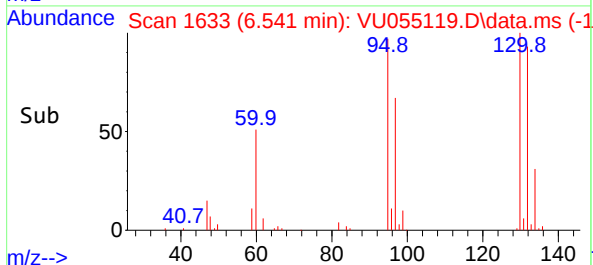
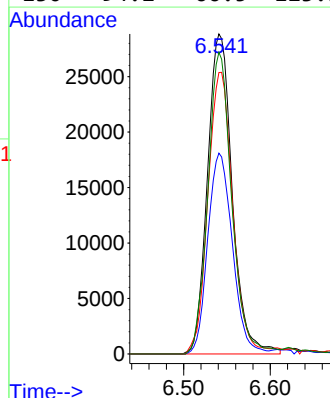
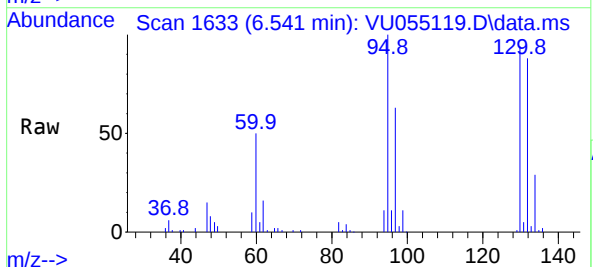
Instrument :
MSVOA_U
ClientSampleId :
BH4C6

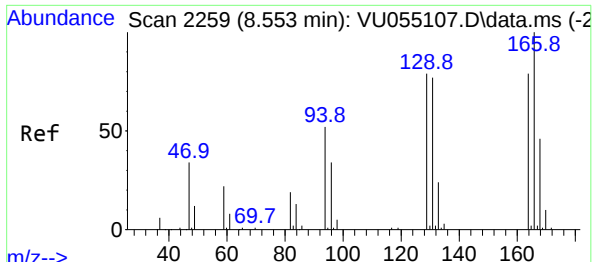
Tgt Ion: 96 Resp: 47785
Ion Ratio Lower Upper
96 100
61 127.5 97.2 180.4
98 63.4 46.1 85.7



#34
Trichloroethene
Concen: 5.332 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU055119.D
Acq: 06 Sep 2023 01:49

Tgt Ion: 95 Resp: 57375
Ion Ratio Lower Upper
95 100
97 62.7 44.7 83.1
132 88.0 66.6 123.6
130 94.2 66.5 123.5



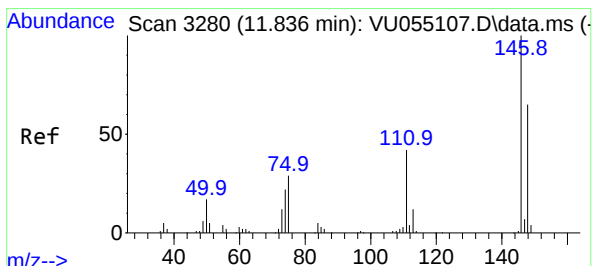
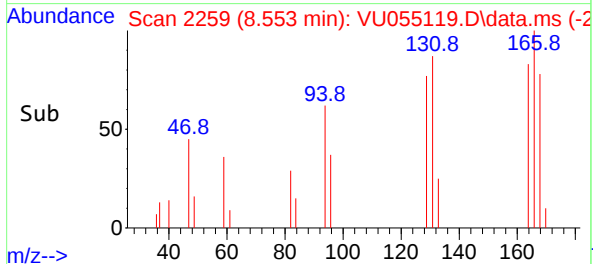
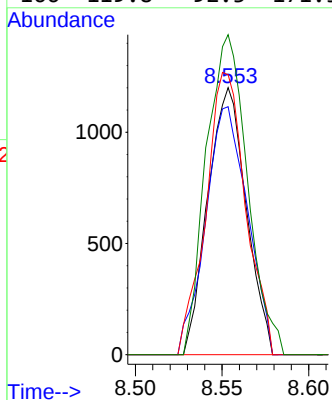
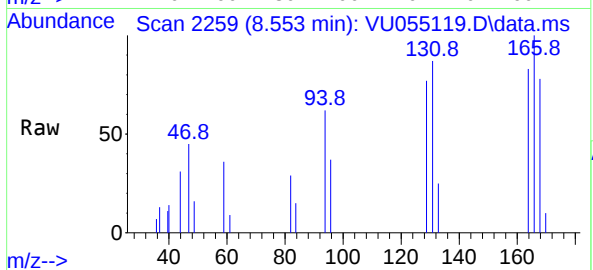


#47
Tetrachloroethene
Concen: 0.249 ug/L
RT: 8.553 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU055119.D
Acq: 06 Sep 2023 01:49

Instrument :
MSVOA_U
ClientSampleId :
BH4C6

Tgt Ion:164 Resp: 1851

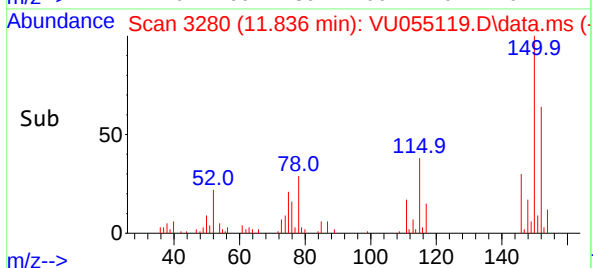
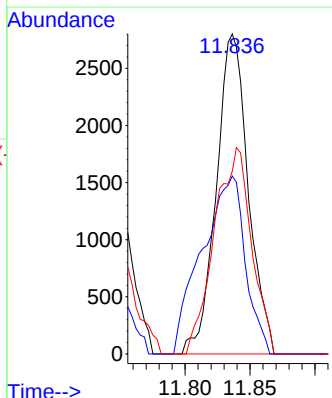
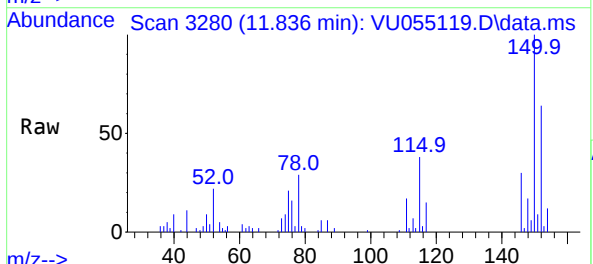
Ion	Ratio	Lower	Upper
164	100		
129	92.8	69.2	128.6
131	104.8	68.8	127.8
166	119.8	92.3	171.5

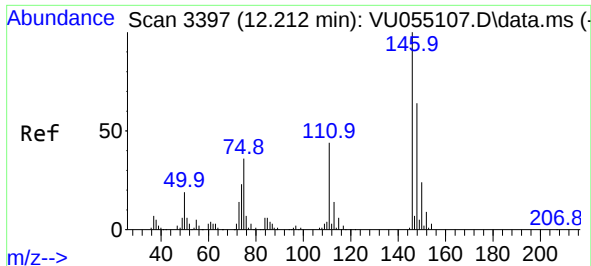


#65
1,4-Dichlorobenzene
Concen: 0.232 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.000 min
Lab File: VU055119.D
Acq: 06 Sep 2023 01:49

Tgt Ion:146 Resp: 4789

Ion	Ratio	Lower	Upper
146	100		
111	61.9	28.1	52.1#
148	57.1	43.8	81.3





#67

1,2-Dichlorobenzene

Concen: 0.259 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU055119.D

Acq: 06 Sep 2023 01:49

Instrument :

MSVOA_U

ClientSampleId :

BH4C6

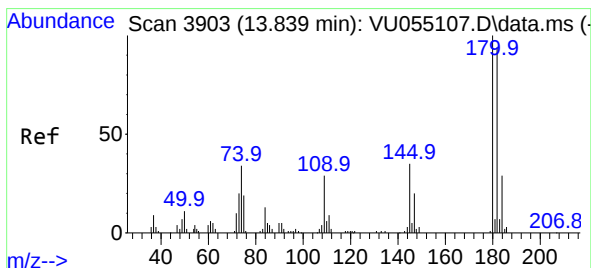
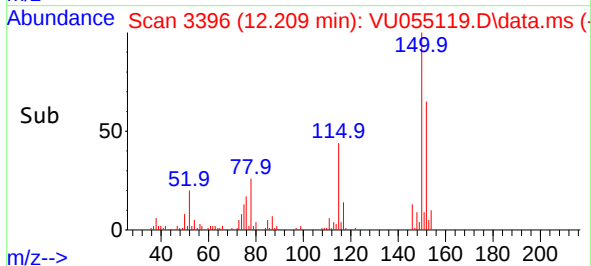
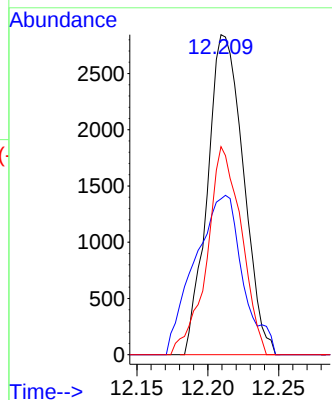
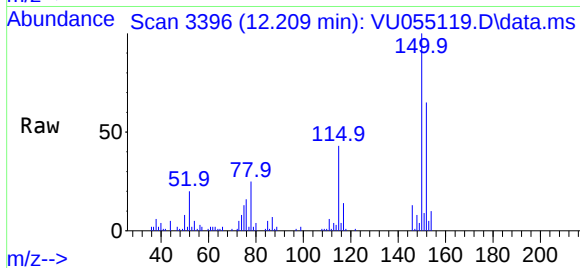
Tgt Ion:146 Resp: 5019

Ion Ratio Lower Upper

146 100

111 48.7 35.6 53.4

148 65.0 51.3 76.9



#70

1,2,4-trichlorobenzene

Concen: 2.118 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU055119.D

Acq: 06 Sep 2023 01:49

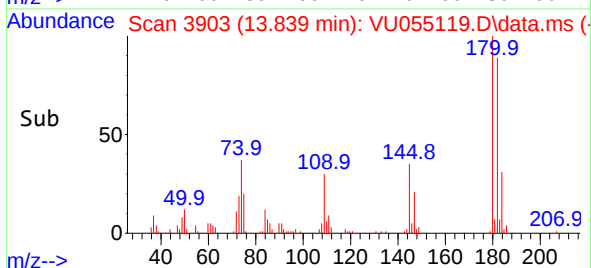
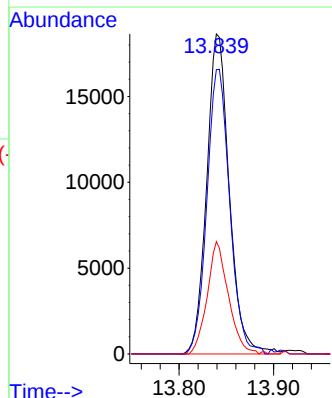
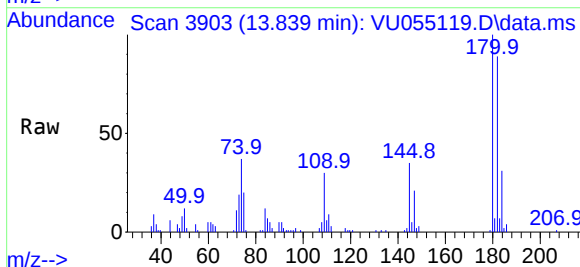
Tgt Ion:180 Resp: 31033

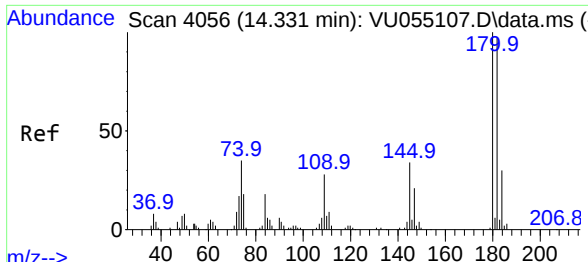
Ion Ratio Lower Upper

180 100

182 89.5 73.6 110.4

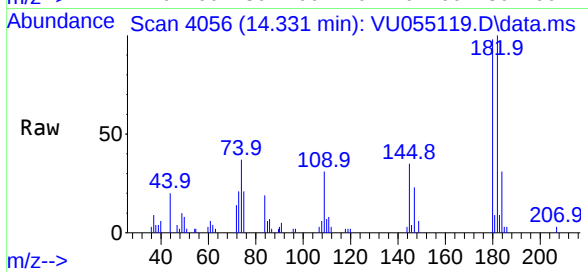
145 32.8 25.8 38.8





#72
 1,2,3-Trichlorobenzene
 Concen: 0.827 ug/L
 RT: 14.331 min Scan# 4056
 Delta R.T. 0.000 min
 Lab File: VU055119.D
 Acq: 06 Sep 2023 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4C6



Tgt Ion:	180	Resp:	10521
Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.6	113.4
145	34.5	27.0	40.6

