

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055120.D
 Acq On : 06 Sep 2023 02:13
 Operator : MD/SY
 Sample : 04250-23
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4F2

Quant Time: Sep 06 05:26:52 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	194927	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	197058	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	110084	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	80844	8.849	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 177.000%#		
7) Chloroethane-d5	1.907	69	42622	4.030	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 80.600%		
11) 1,1-Dichloroethene-d2	2.560	65	22572	4.336	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 86.800%		
20) 2-Butanone-d5	4.631	46	154391	58.235	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 116.480%		
24) Chloroform-d	5.062	84	111710	4.608	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 92.200%		
26) 1,2-Dichloroethane-d4	5.701	65	59187	4.880	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 97.600%		
32) Benzene-d6	5.724	84	221417	4.552	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 91.000%		
36) 1,2-Dichloropropane-d6	6.688	67	71495	4.621	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 92.400%		
41) Toluene-d8	7.897	98	194703	4.345	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 87.000%		
43) trans-1,3-Dichloroprop...	8.180	79	18889	4.433	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 88.600%		
46) 2-Hexanone-d5	8.631	63	90250	52.177	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 104.360%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	55613	5.111	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 102.200%		
66) 1,2-Dichlorobenzene-d4	12.193	152	73842	4.596	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 92.000%		
Target Compounds						
						Qvalue
5) Vinyl chloride	1.599	62	6175675	507.646	ug/L	95
12) 1,1-Dichloroethene	2.576	96	30352	3.368	ug/L	90
17) Methyl tert-butyl Ether	3.361	73	8768	0.371	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	48428	5.297	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	18663208	1667.519	ug/L	78
25) Chloroform	5.087	83	18883	0.918	ug/L	93
27) 1,2-Dichloroethane	5.798	62	9473	0.754	ug/L	97
33) Benzene	5.772	78	36203	0.863	ug/L	100
34) Trichloroethene	6.544	95	15819744	1357.237	ug/L	95
45) 1,1,2-Trichloroethane	8.399	97	25931	3.372	ug/L	99
47) Tetrachloroethene	8.553	164	3561	0.442	ug/L #	75
51) Chlorobenzene	9.444	112	485158	16.384	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	96940	3.934	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	204251	8.316	ug/L	99
67) 1,2-Dichlorobenzene	12.212	146	221319	9.579	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	291851	16.713	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	94060	6.206	ug/L	100

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 06 05:03:37 2023
Response via : Initial Calibration

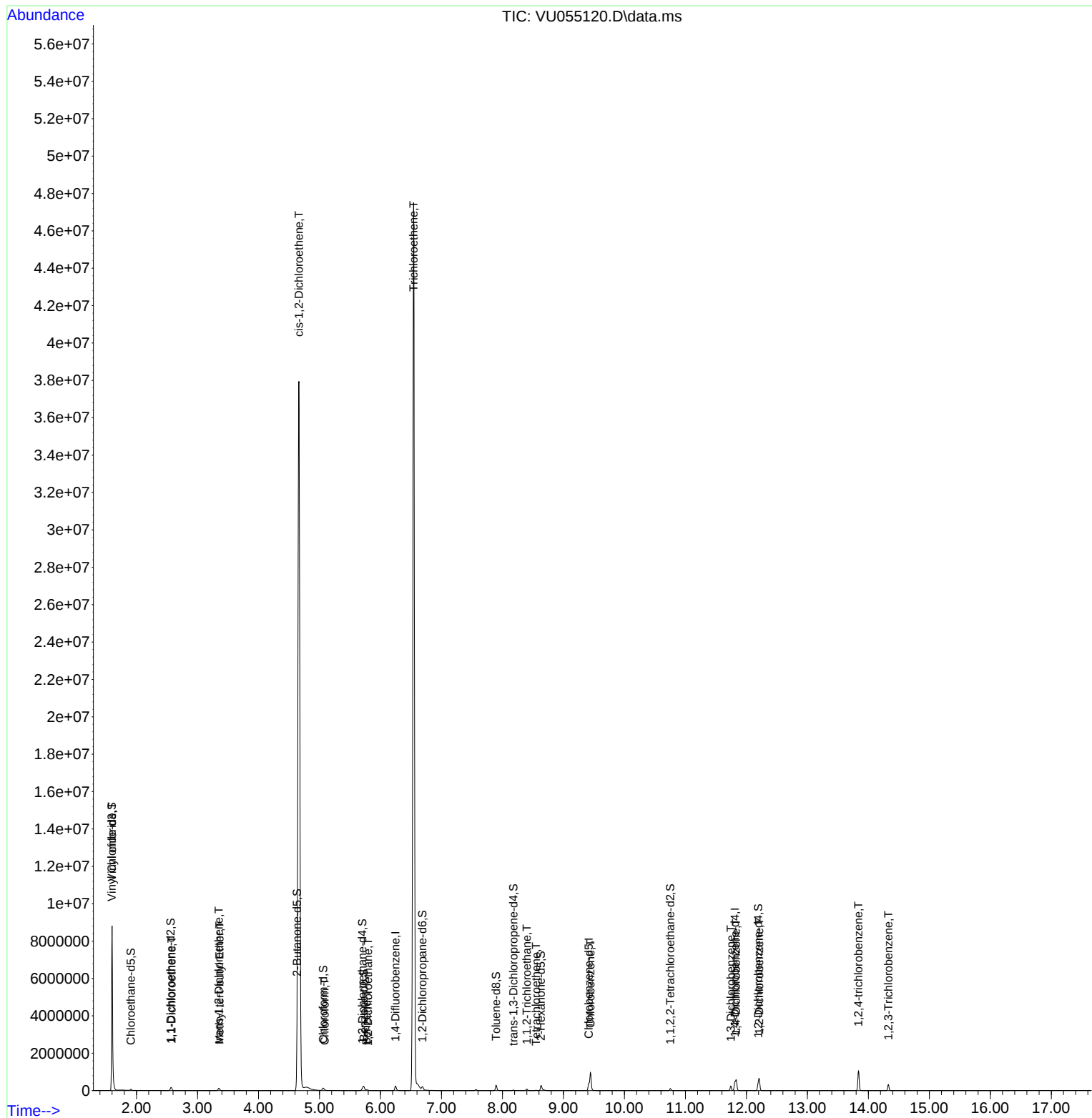
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

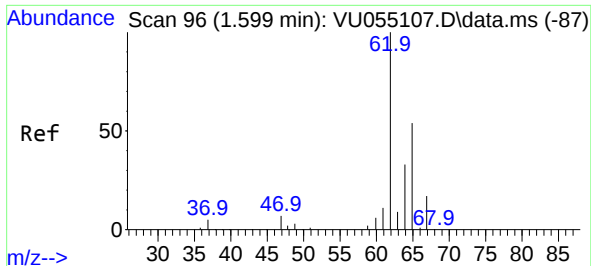
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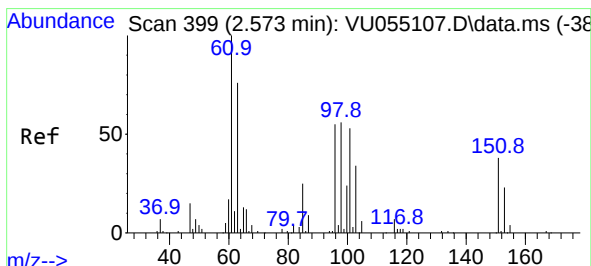
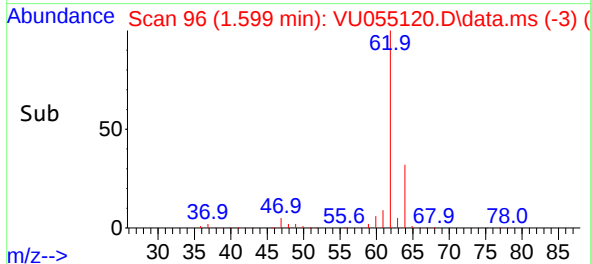
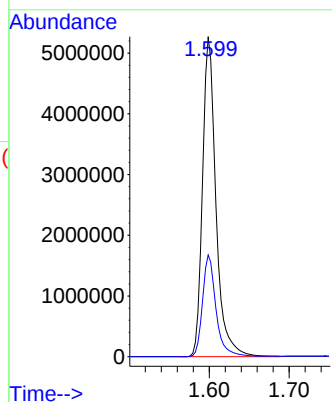
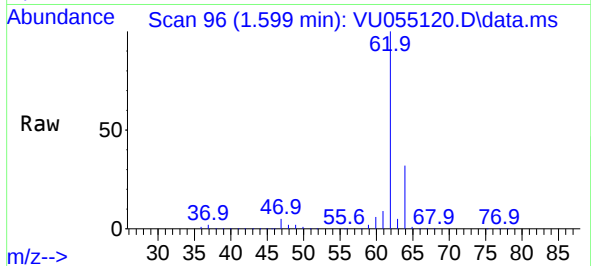




#5
Vinyl chloride
Concen: 507.646 ug/L
RT: 1.599 min Scan# 90
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

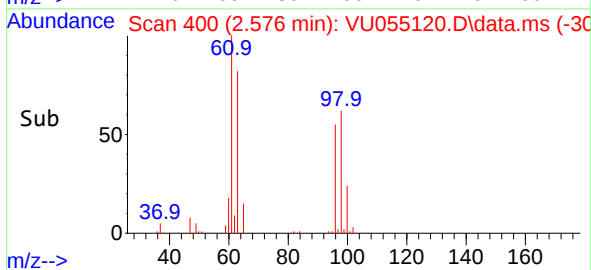
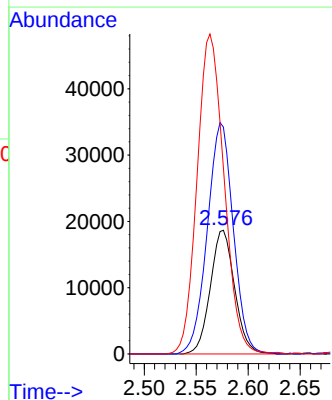
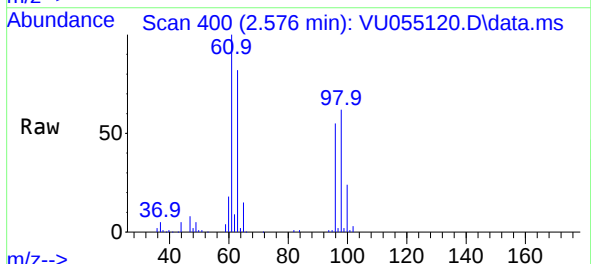
Instrument :
MSVOA_U
ClientSampleId :
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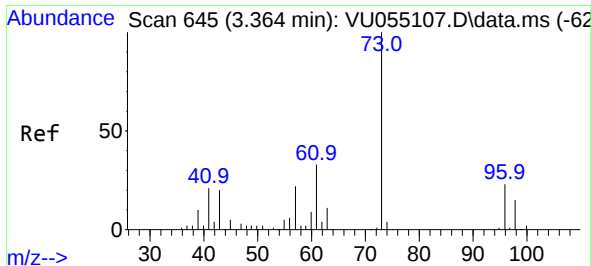
Tgt Ion: 62 Resp: 6175675
Ion Ratio Lower Upper
62 100
64 31.8 24.2 45.0



#12
1,1-Dichloroethene
Concen: 3.368 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Tgt Ion: 96 Resp: 30352
Ion Ratio Lower Upper
96 100
61 183.3 120.8 224.4
63 150.5 94.5 175.5

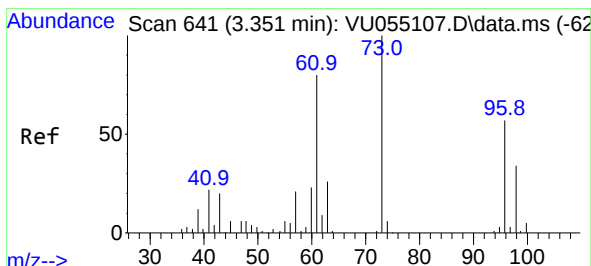
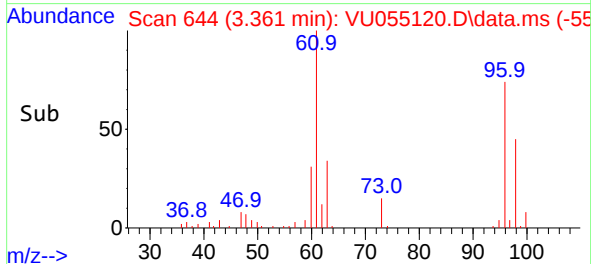
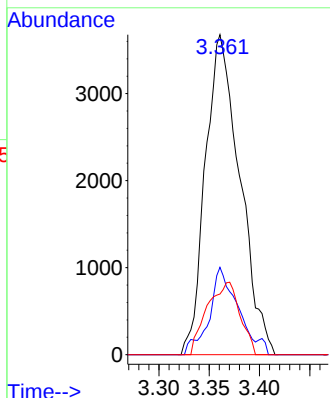
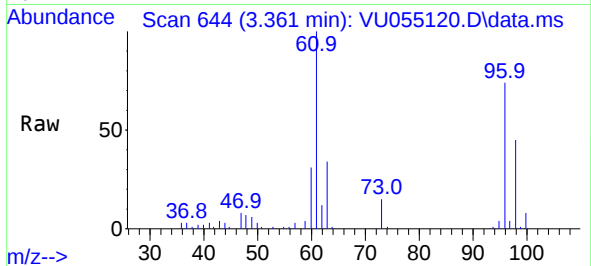




#17
Methyl tert-butyl Ether
Concen: 0.371 ug/L
RT: 3.361 min Scan# 645
Delta R.T. -0.003 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

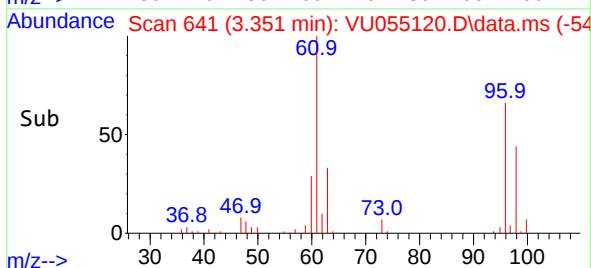
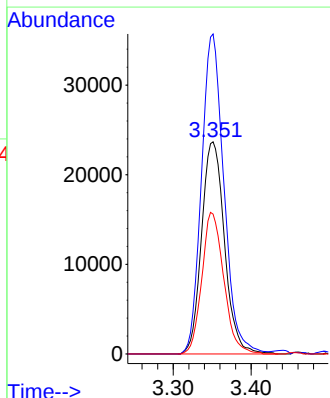
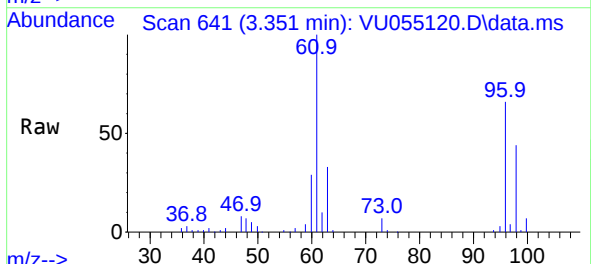
Instrument :
MSVOA_U
ClientSampleId :
BH4F2

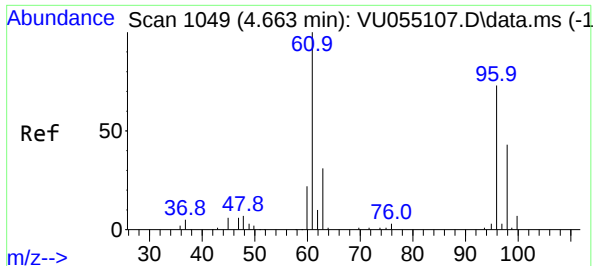
Tgt Ion: 73 Resp: 8768
Ion Ratio Lower Upper
73 100
43 22.0 16.2 24.2
57 21.5 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 5.297 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Tgt Ion: 96 Resp: 48428
Ion Ratio Lower Upper
96 100
61 150.8 108.1 200.9
98 65.9 45.4 84.4



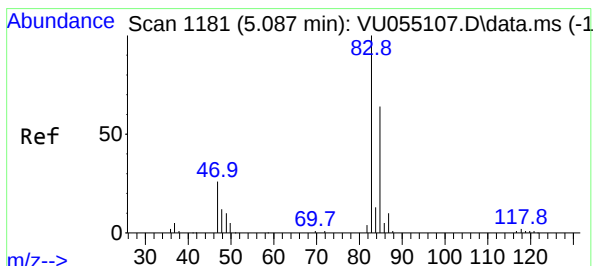
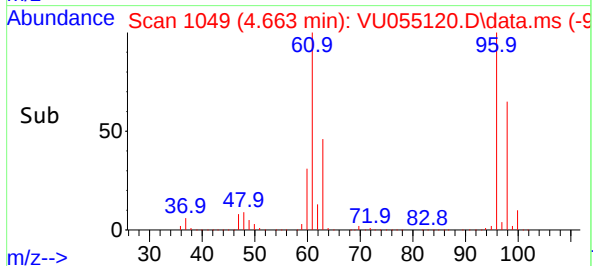
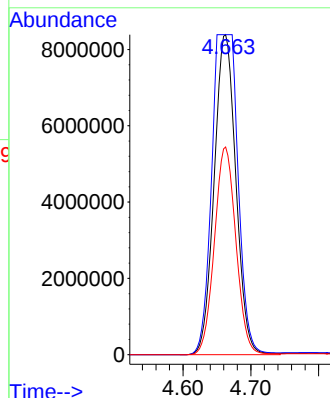
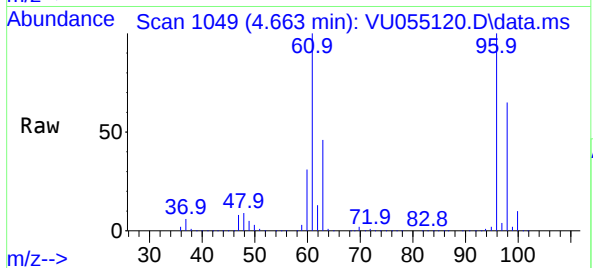


#22
cis-1,2-Dichloroethene
Concen: 1667.519 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Instrument :
MSVOA_U
ClientSampleId :
BH4F2

Tgt Ion: 96 Resp:18663208

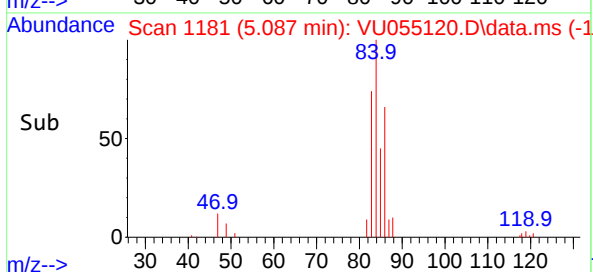
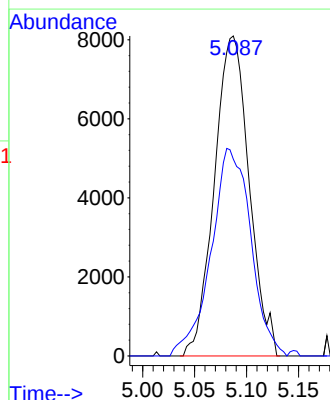
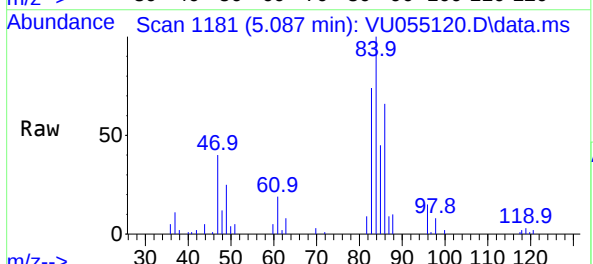
Ion	Ratio	Lower	Upper
96	100		
61	100.0	97.2	180.4
98	64.9	46.1	85.7

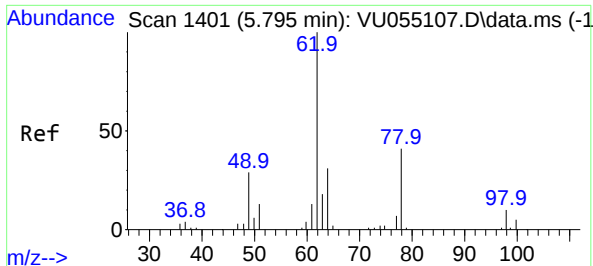


#25
Chloroform
Concen: 0.918 ug/L
RT: 5.087 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Tgt Ion: 83 Resp: 18883

Ion	Ratio	Lower	Upper
83	100		
85	61.5	47.2	87.6

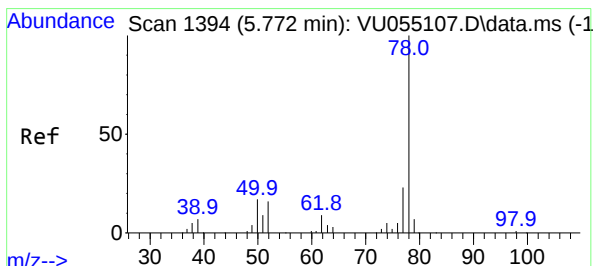
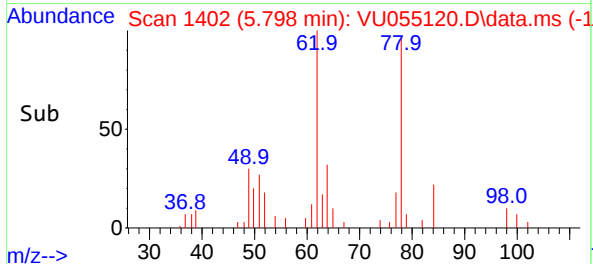
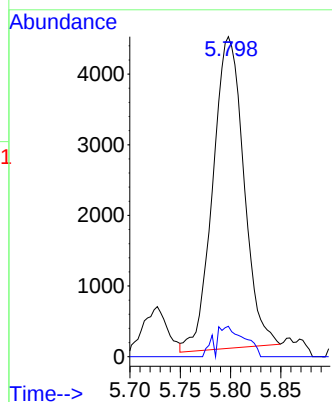
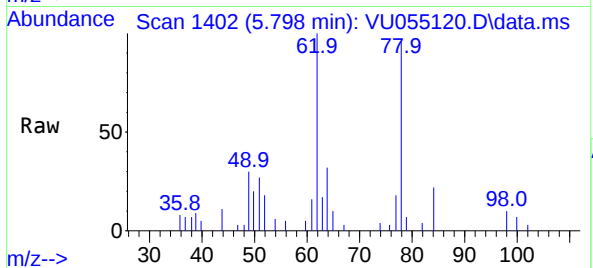




#27
1,2-Dichloroethane
Concen: 0.754 ug/L
RT: 5.798 min Scan# 1401
Delta R.T. 0.003 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

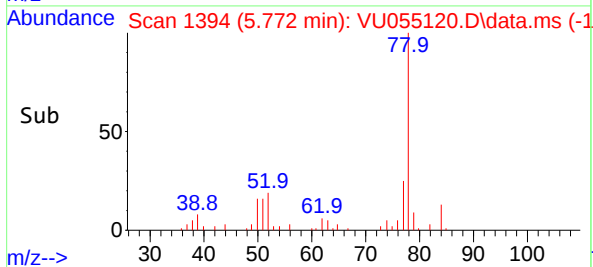
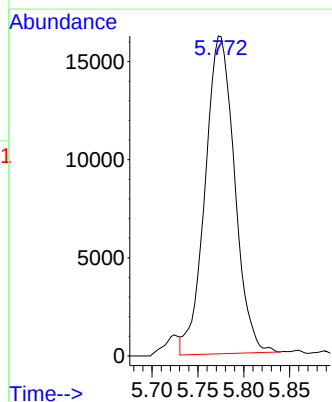
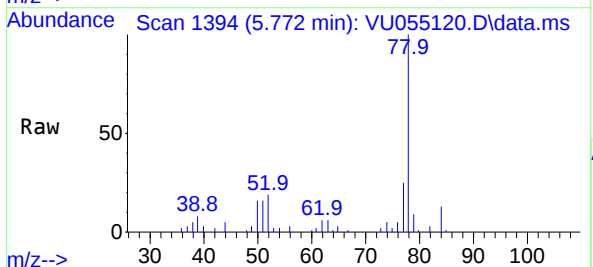
Instrument :
MSVOA_U
ClientSampleId :
BH4F2

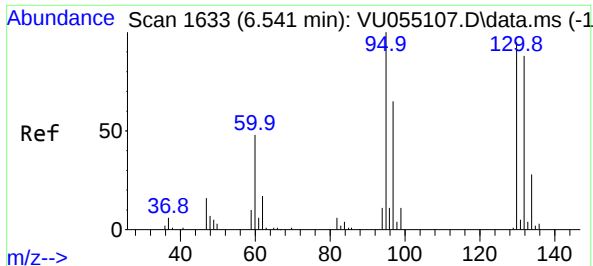
Tgt Ion: 62 Resp: 9473
Ion Ratio Lower Upper
62 100
98 9.5 6.9 10.3



#33
Benzene
Concen: 0.863 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Tgt Ion: 78 Resp: 36203



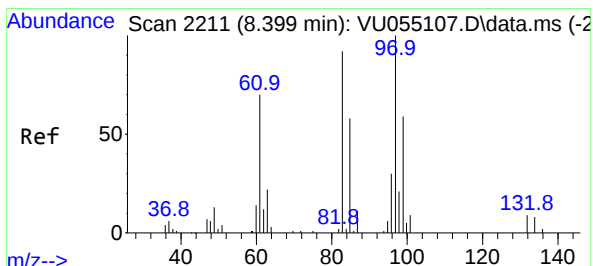
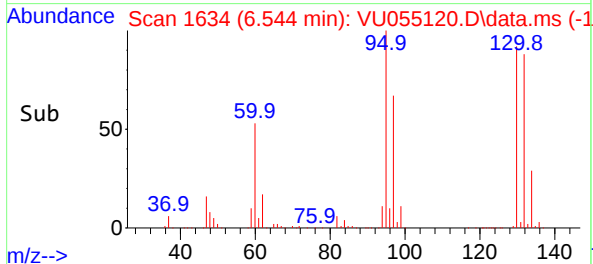
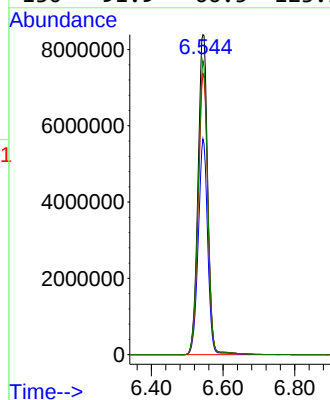
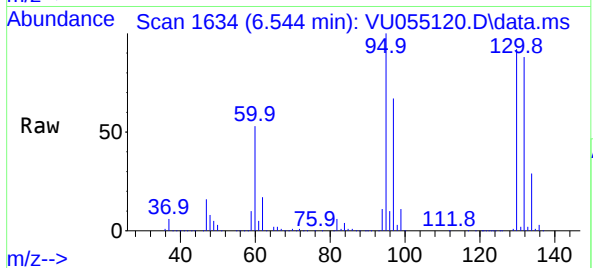


#34
Trichloroethene
Concen: 1357.237 ug/L
RT: 6.544 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Instrument :
MSVOA_U
ClientSampleId :
BH4F2

Tgt Ion: 95 Resp:15819744

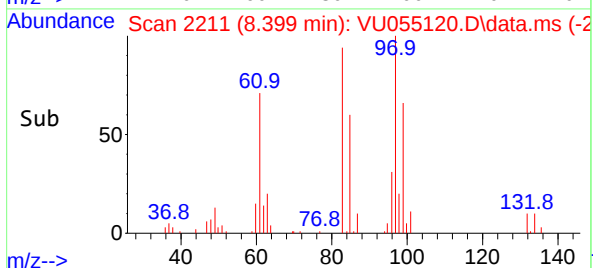
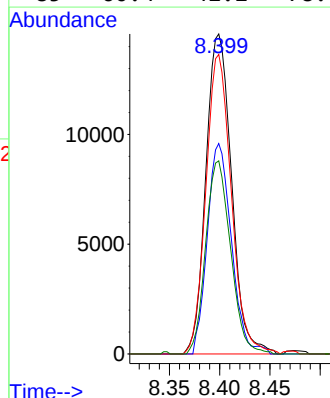
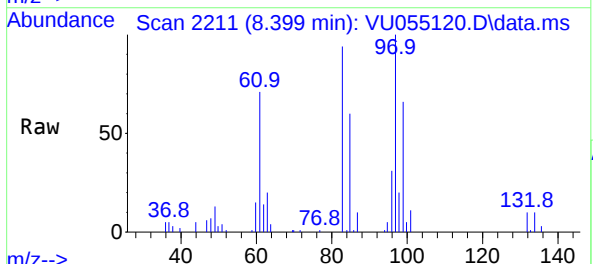
Ion	Ratio	Lower	Upper
95	100		
97	67.4	44.7	83.1
132	87.9	66.6	123.6
130	91.9	66.5	123.5

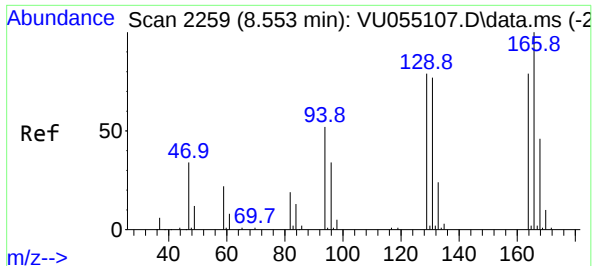


#45
1,1,2-Trichloroethane
Concen: 3.372 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Tgt Ion: 97 Resp: 25931

Ion	Ratio	Lower	Upper
97	100		
99	65.8	44.9	83.5
83	93.6	66.9	124.3
85	60.4	42.2	78.4





#47

Tetrachloroethene

Concen: 0.442 ug/L

RT: 8.553 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055120.D

Acq: 06 Sep 2023 02:13

Instrument :

MSVOA_U

ClientSampleId :

BH4F2

Tgt Ion:164 Resp: 3561

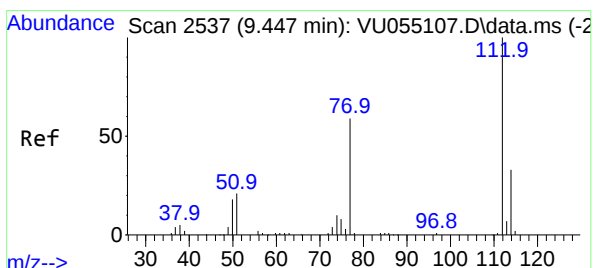
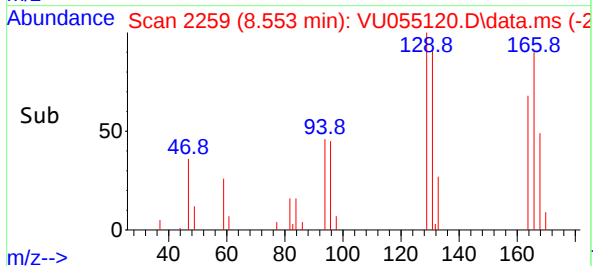
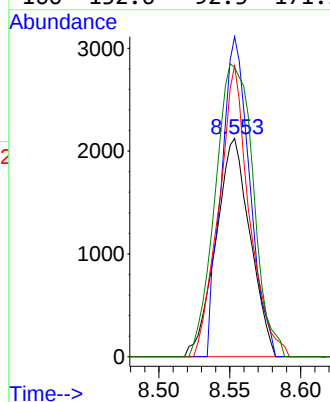
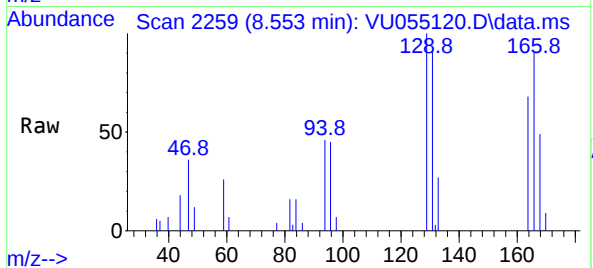
Ion Ratio Lower Upper

164 100

129 146.6 69.2 128.6#

131 133.3 68.8 127.8#

166 132.6 92.3 171.5



#51

Chlorobenzene

Concen: 16.384 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.003 min

Lab File: VU055120.D

Acq: 06 Sep 2023 02:13

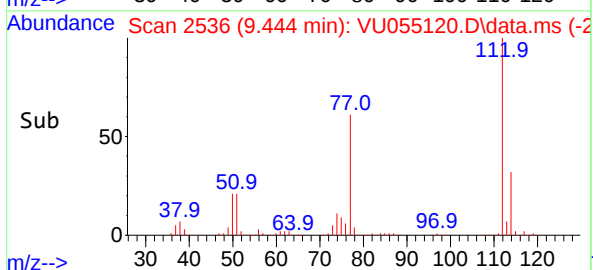
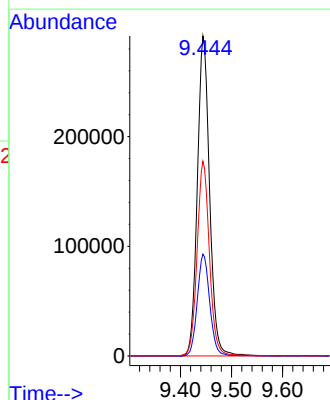
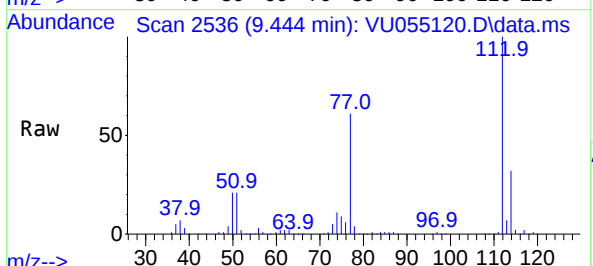
Tgt Ion:112 Resp: 485158

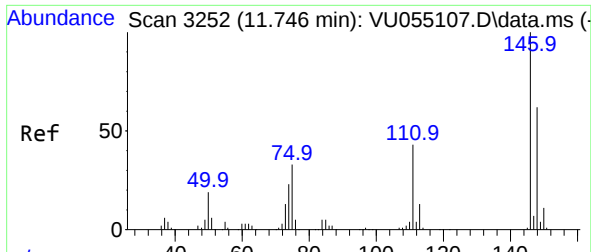
Ion Ratio Lower Upper

112 100

114 31.8 21.7 40.3

77 60.8 48.6 72.8

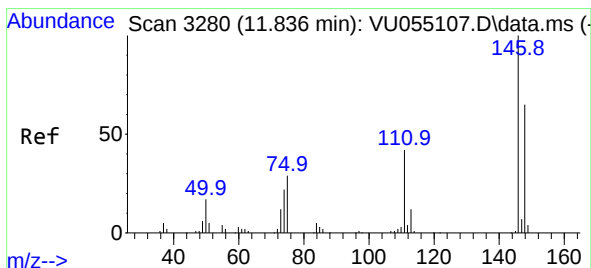
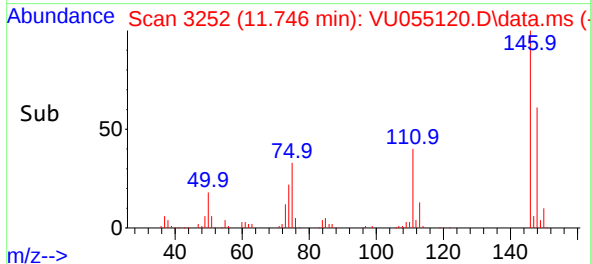
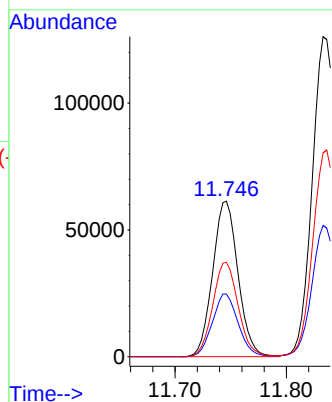
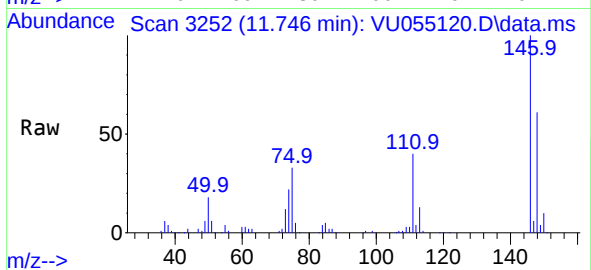




#64
1,3-Dichlorobenzene
Concen: 3.934 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

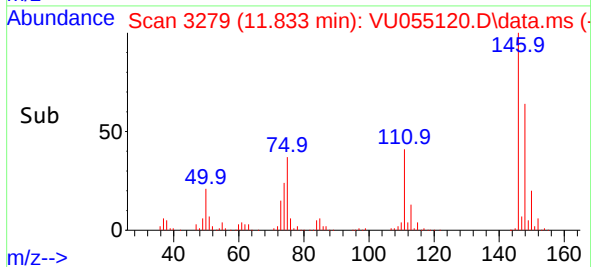
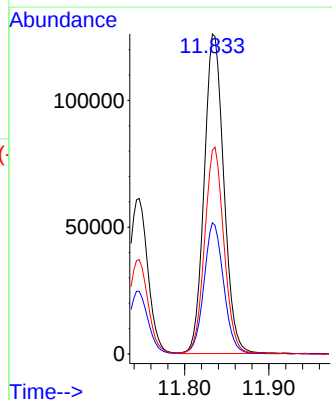
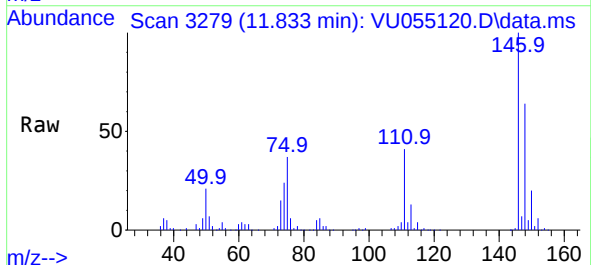
Instrument :
MSVOA_U
ClientSampleId :
BH4F2

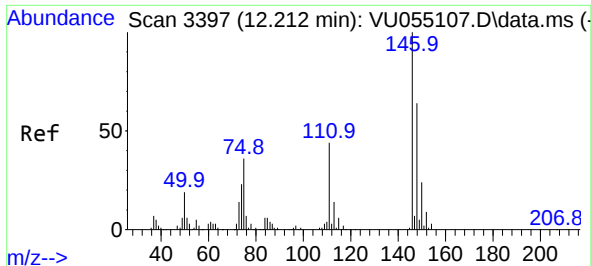
Tgt Ion:146 Resp: 96940
Ion Ratio Lower Upper
146 100
111 40.2 30.0 55.6
148 60.7 45.2 84.0



#65
1,4-Dichlorobenzene
Concen: 8.316 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.003 min
Lab File: VU055120.D
Acq: 06 Sep 2023 02:13

Tgt Ion:146 Resp: 204251
Ion Ratio Lower Upper
146 100
111 41.0 28.1 52.1
148 63.7 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 9.579 ug/L

RT: 12.212 min Scan# 3397

Delta R.T. 0.000 min

Lab File: VU055120.D

Acq: 06 Sep 2023 02:13

Instrument :

MSVOA_U

ClientSampleId :

BH4F2

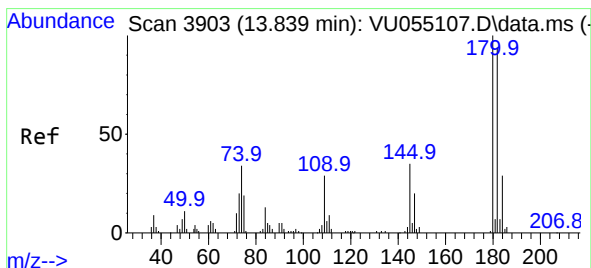
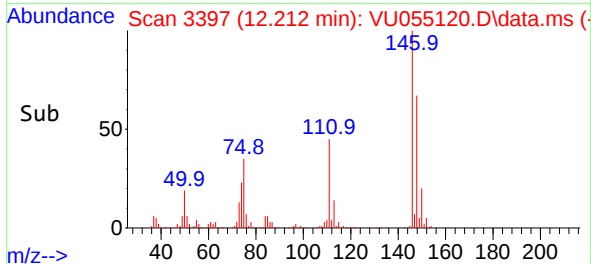
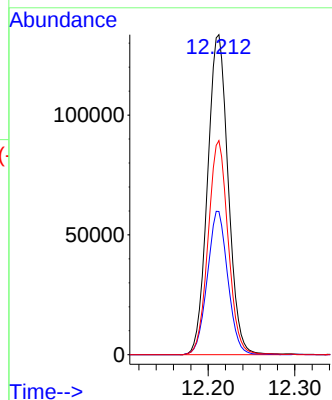
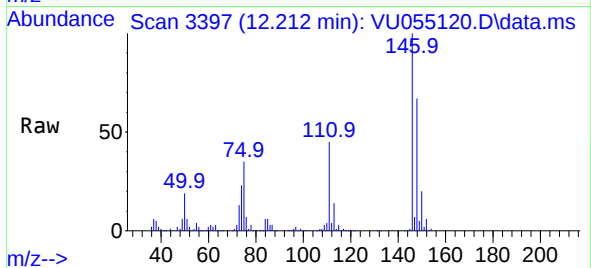
Tgt Ion:146 Resp: 221319

Ion Ratio Lower Upper

146 100

111 44.7 35.6 53.4

148 66.9 51.3 76.9



#70

1,2,4-trichlorobenzene

Concen: 16.713 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU055120.D

Acq: 06 Sep 2023 02:13

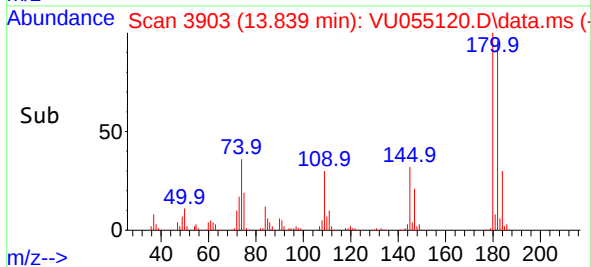
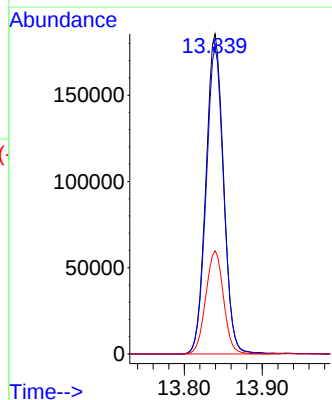
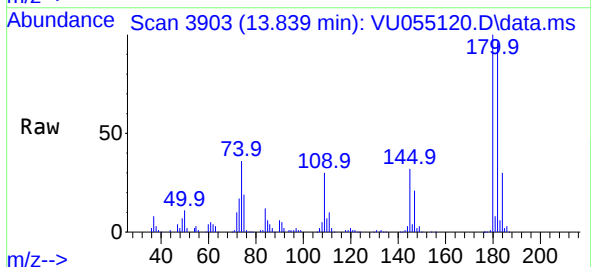
Tgt Ion:180 Resp: 291851

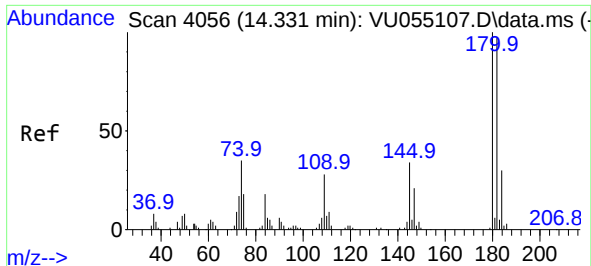
Ion Ratio Lower Upper

180 100

182 95.4 73.6 110.4

145 32.4 25.8 38.8





#72

1,2,3-Trichlorobenzene

Concen: 6.206 ug/L

RT: 14.328 min Scan# 40

Delta R.T. -0.003 min

Lab File: VU055120.D

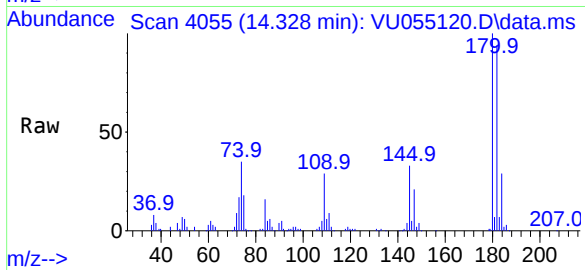
Acq: 06 Sep 2023 02:13

Instrument :

MSVOA_U

ClientSampleId :

BH4F2



Tgt Ion:180 Resp: 94060

Ion Ratio Lower Upper

180 100

182 95.0 75.6 113.4

145 33.7 27.0 40.6

