

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055121.D
 Acq On : 06 Sep 2023 02:38
 Operator : MD/SY
 Sample : 04267-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4C7

Quant Time: Sep 06 05:27:13 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)

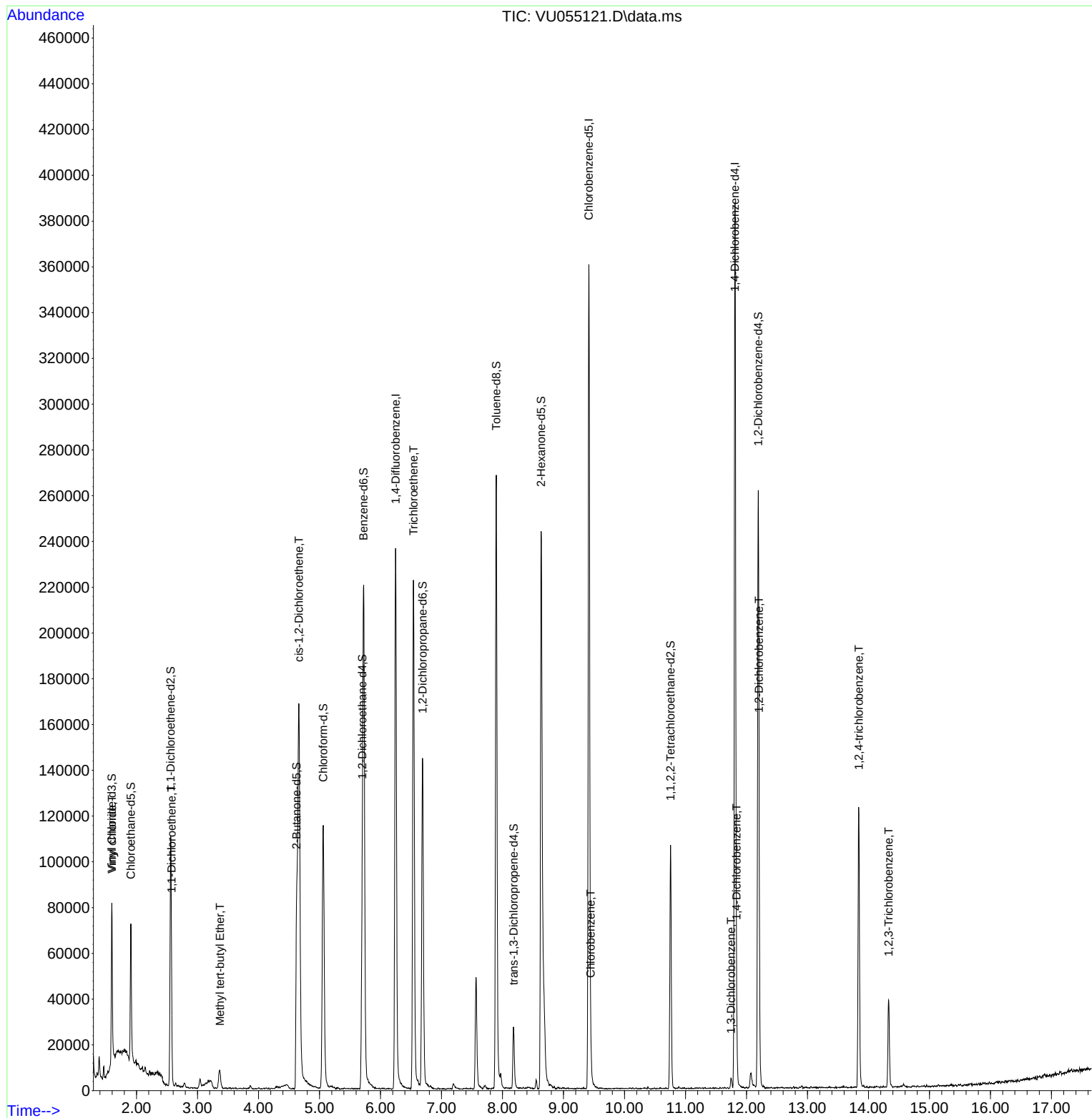
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	193895	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	195455	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	100034	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	33884	3.729	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.600%
7) Chloroethane-d5	1.907	69	41001	3.898	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	2.560	65	21422	4.137	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.800%
20) 2-Butanone-d5	4.624	46	131247	49.769	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.540%
24) Chloroform-d	5.058	84	106490	4.416	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.701	65	56047	4.646	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.724	84	201746	4.182	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	6.689	67	67395	4.392	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.897	98	177109	3.985	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
43) trans-1,3-Dichloroprop...	8.184	79	15324	3.626	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.600%
46) 2-Hexanone-d5	8.634	63	80206	46.750	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.500%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	50995	4.725	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	66457	4.551	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
5) Vinyl chloride	1.599	62	16266	1.344	ug/L #	57
12) 1,1-Dichloroethene	2.573	96	1635	0.182	ug/L #	1
17) Methyl tert-butyl Ether	3.367	73	8572	0.365	ug/L #	92
22) cis-1,2-Dichloroethene	4.663	96	76236	6.848	ug/L	99
34) Trichloroethene	6.541	95	76933	6.655	ug/L	97
51) Chlorobenzene	9.447	112	3928	0.134	ug/L #	79
64) 1,3-Dichlorobenzene	11.746	146	2237	0.100	ug/L #	81
65) 1,4-Dichlorobenzene	11.836	146	5884	0.264	ug/L	90
67) 1,2-Dichlorobenzene	12.206	146	6239	0.297	ug/L	91
70) 1,2,4-trichlorobenzene	13.843	180	35443	2.234	ug/L	98
72) 1,2,3-Trichlorobenzene	14.331	180	12016	0.872	ug/L	98

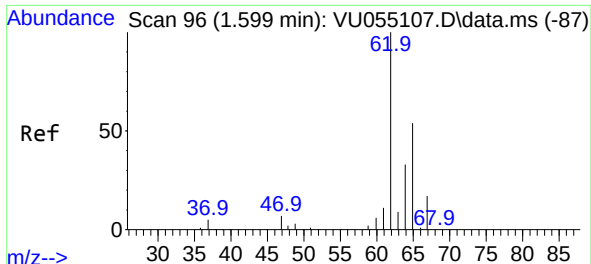
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
Data File : VU055121.D
Acq On : 06 Sep 2023 02:38
Operator : MD/SY
Sample : 04267-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BH4C7

Quant Time: Sep 06 05:27:13 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

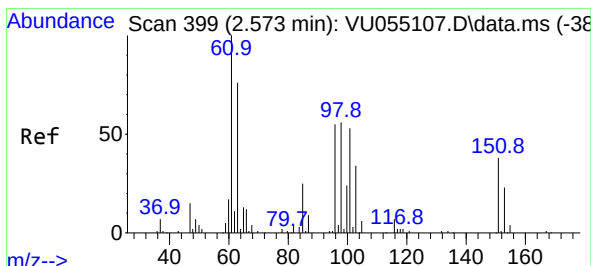
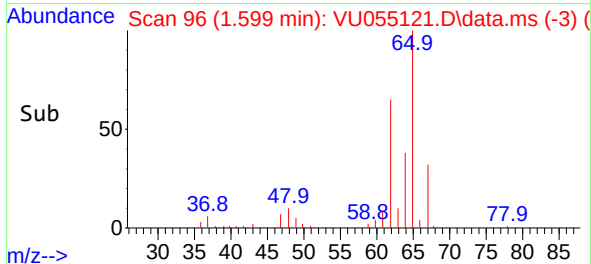
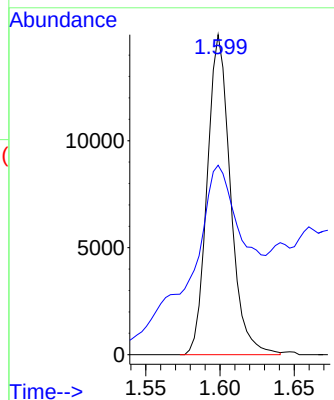
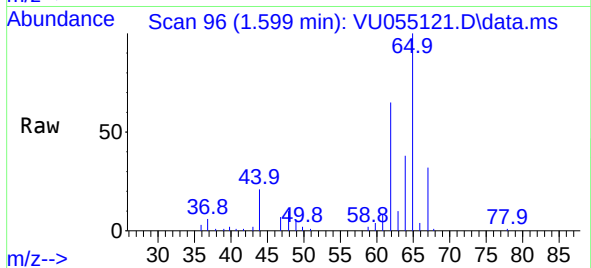




#5
 Vinyl chloride
 Concen: 1.344 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU055121.D
 Acq: 06 Sep 2023 02:38

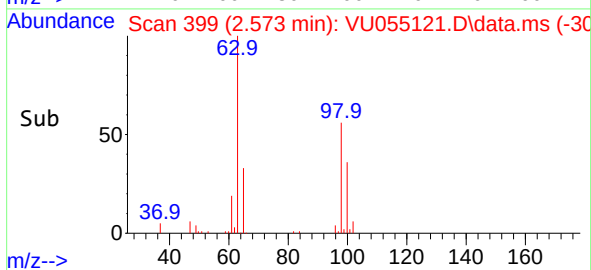
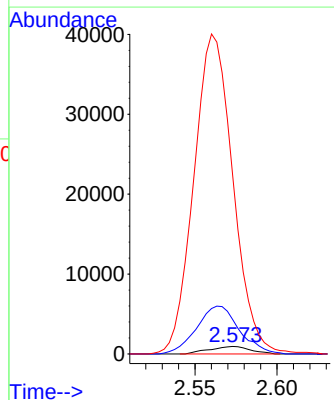
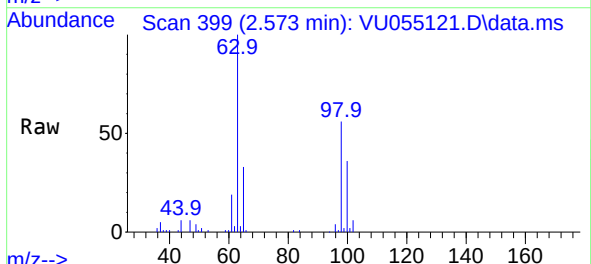
Instrument :
 MSVOA_U
 ClientSampleId :
 BH4C7

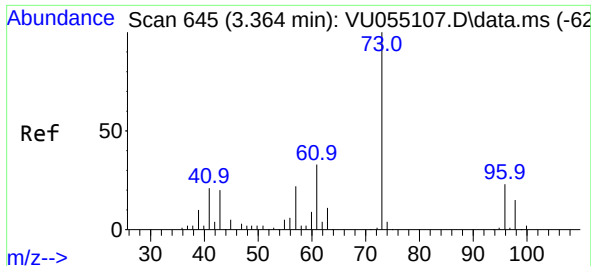
Tgt Ion: 62 Resp: 16266
 Ion Ratio Lower Upper
 62 100
 64 59.2 24.2 45.0#



#12
 1,1-Dichloroethene
 Concen: 0.182 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU055121.D
 Acq: 06 Sep 2023 02:38

Tgt Ion: 96 Resp: 1635
 Ion Ratio Lower Upper
 96 100
 61 461.8 120.8 224.4#
 63 2390.6 94.5 175.5#

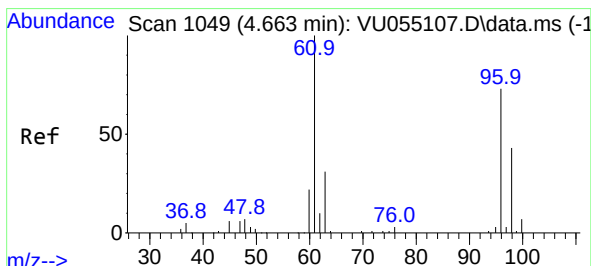
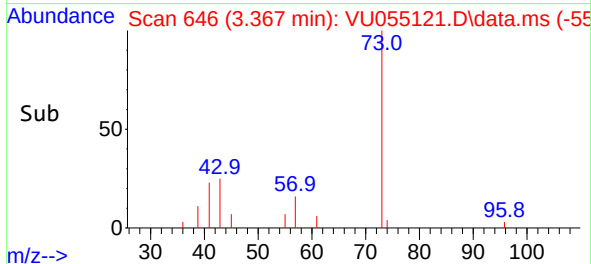
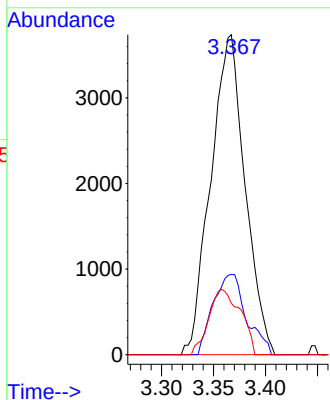
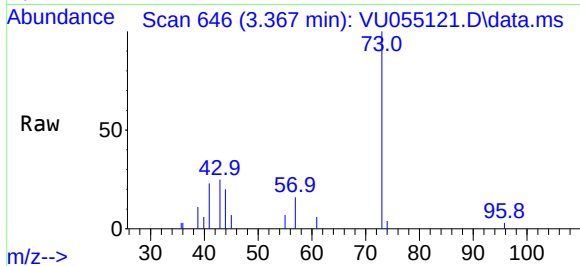




#17
Methyl tert-butyl Ether
Concen: 0.365 ug/L
RT: 3.367 min Scan# 645
Delta R.T. 0.003 min
Lab File: VU055121.D
Acq: 06 Sep 2023 02:38

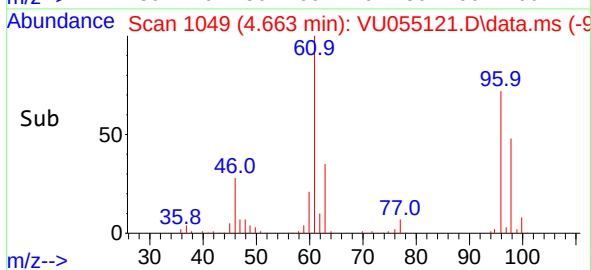
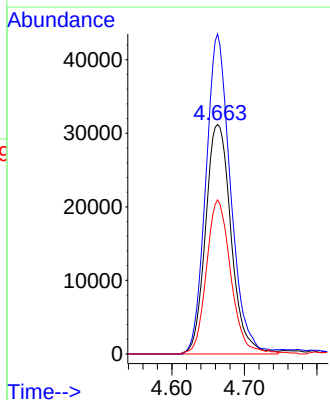
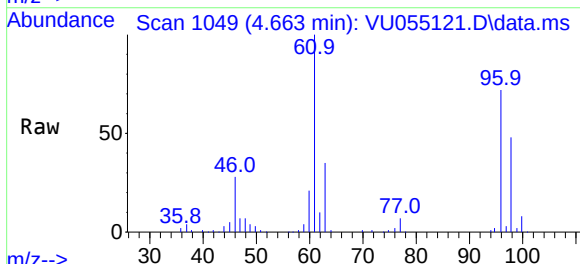
Instrument :
MSVOA_U
ClientSampleId :
BH4C7

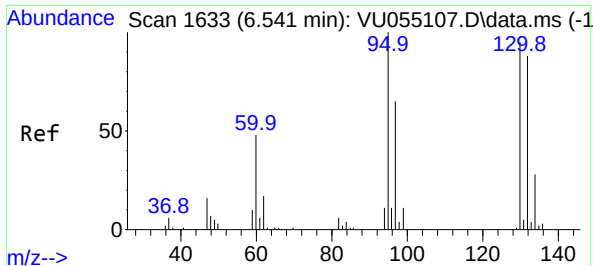
Tgt Ion: 73 Resp: 8572
Ion Ratio Lower Upper
73 100
43 24.4 16.2 24.2#
57 18.8 17.4 26.2



#22
cis-1,2-Dichloroethene
Concen: 6.848 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055121.D
Acq: 06 Sep 2023 02:38

Tgt Ion: 96 Resp: 76236
Ion Ratio Lower Upper
96 100
61 139.5 97.2 180.4
98 67.2 46.1 85.7



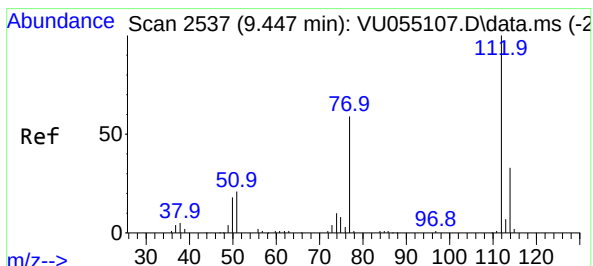
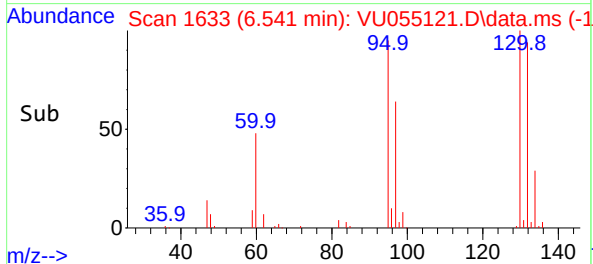
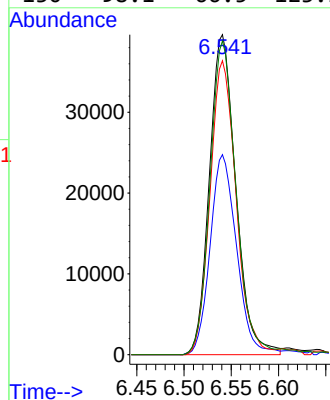
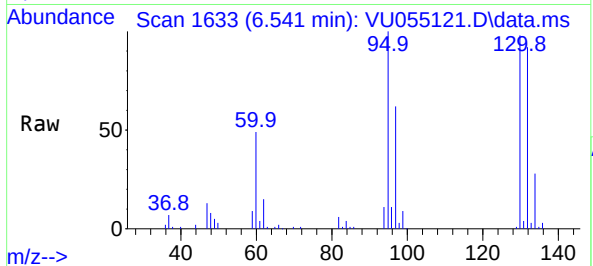


#34
Trichloroethene
Concen: 6.655 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055121.D
Acq: 06 Sep 2023 02:38

Instrument :
MSVOA_U
ClientSampleId :
BH4C7

Tgt Ion: 95 Resp: 76933

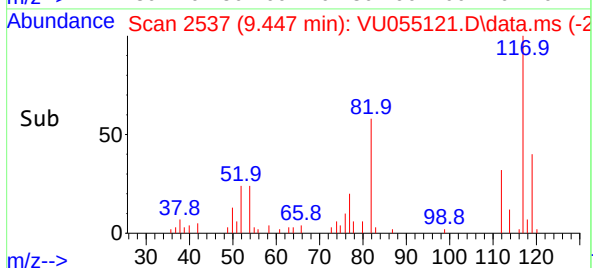
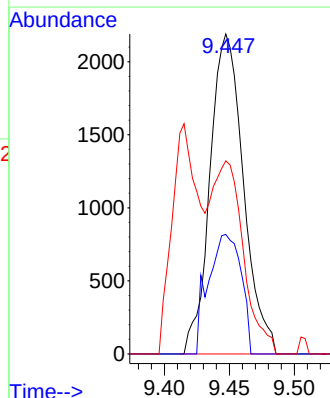
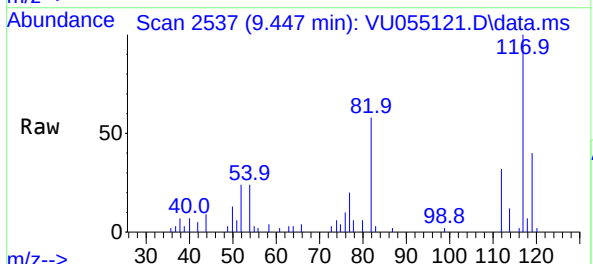
Ion	Ratio	Lower	Upper
95	100		
97	62.5	44.7	83.1
132	91.8	66.6	123.6
130	98.1	66.5	123.5

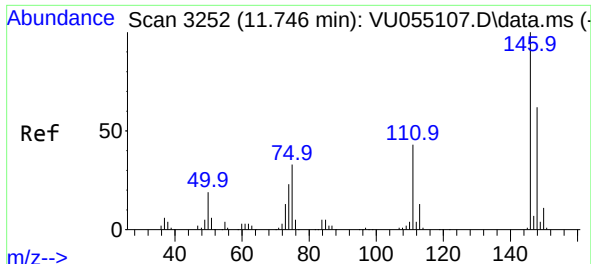


#51
Chlorobenzene
Concen: 0.134 ug/L
RT: 9.447 min Scan# 2537
Delta R.T. 0.000 min
Lab File: VU055121.D
Acq: 06 Sep 2023 02:38

Tgt Ion: 112 Resp: 3928

Ion	Ratio	Lower	Upper
112	100		
114	37.4	21.7	40.3
77	79.9	48.6	72.8

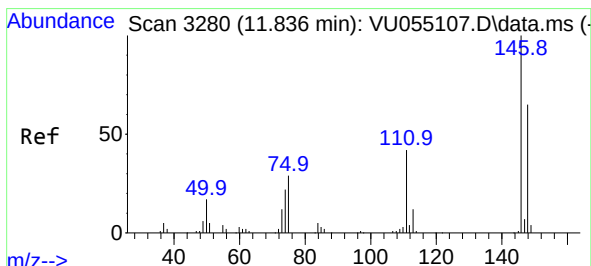
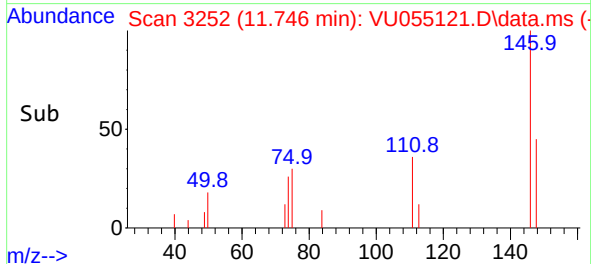
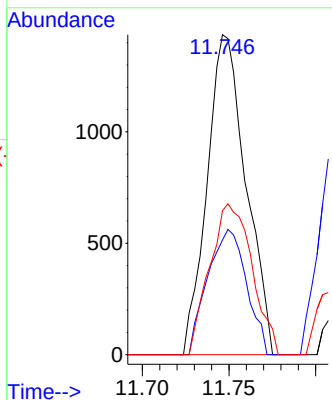
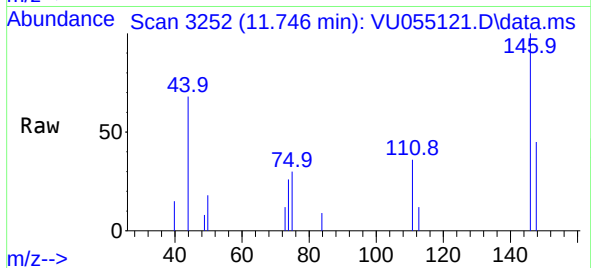




#64
1,3-Dichlorobenzene
Concen: 0.100 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055121.D
Acq: 06 Sep 2023 02:38

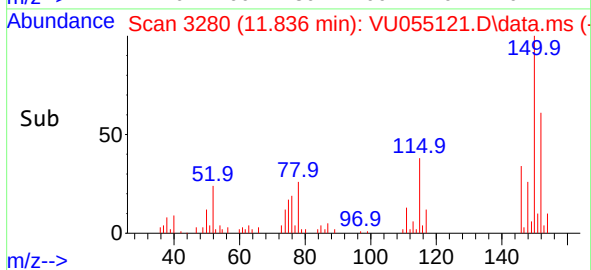
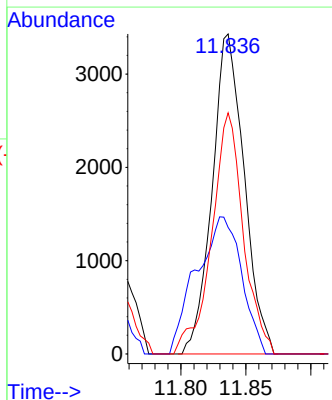
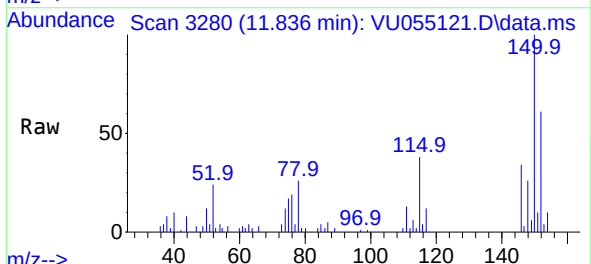
Instrument :
MSVOA_U
ClientSampleId :
BH4C7

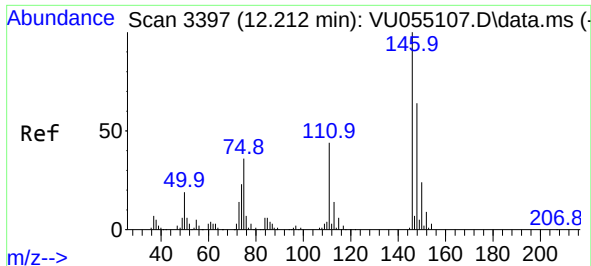
Tgt Ion:146 Resp: 2237
Ion Ratio Lower Upper
146 100
111 35.9 30.0 55.6
148 45.0 45.2 84.0#



#65
1,4-Dichlorobenzene
Concen: 0.264 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.000 min
Lab File: VU055121.D
Acq: 06 Sep 2023 02:38

Tgt Ion:146 Resp: 5884
Ion Ratio Lower Upper
146 100
111 39.5 28.1 52.1
148 75.3 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 0.297 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.006 min

Lab File: VU055121.D

Acq: 06 Sep 2023 02:38

Instrument :

MSVOA_U

ClientSampleId :

BH4C7

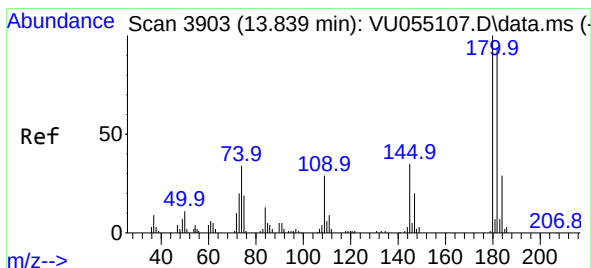
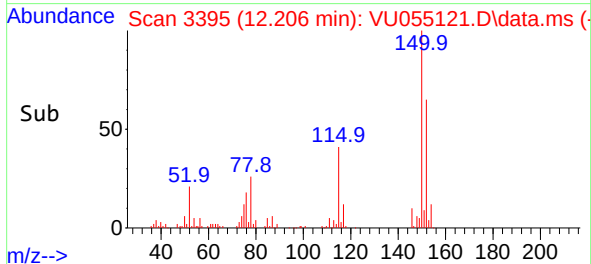
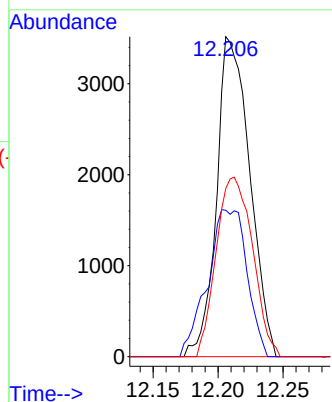
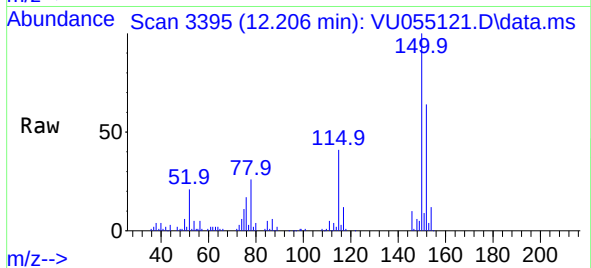
Tgt Ion:146 Resp: 6239

Ion Ratio Lower Upper

146 100

111 45.8 35.6 53.4

148 52.6 51.3 76.9



#70

1,2,4-trichlorobenzene

Concen: 2.234 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.003 min

Lab File: VU055121.D

Acq: 06 Sep 2023 02:38

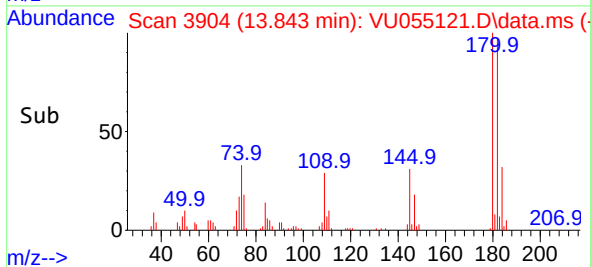
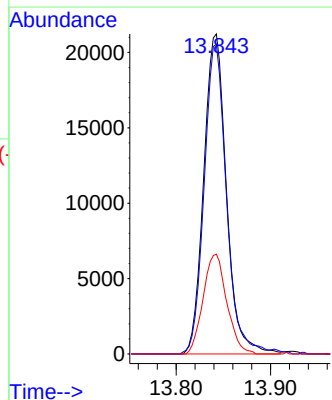
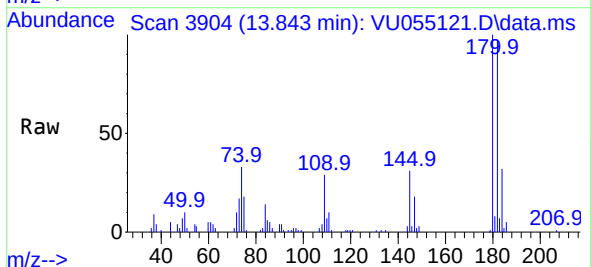
Tgt Ion:180 Resp: 35443

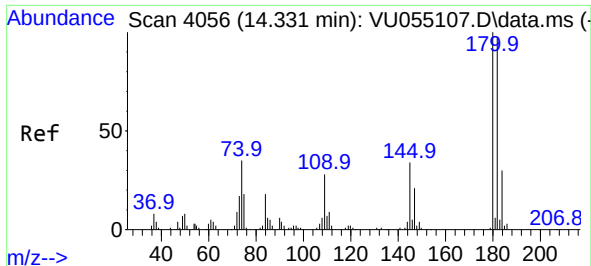
Ion Ratio Lower Upper

180 100

182 94.7 73.6 110.4

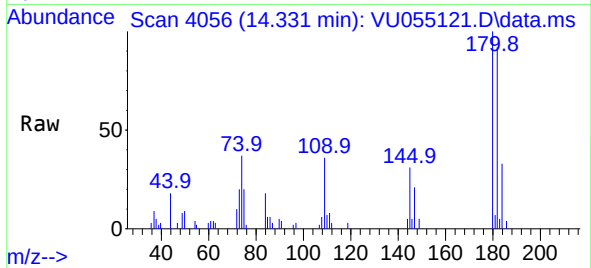
145 32.4 25.8 38.8





#72
 1,2,3-Trichlorobenzene
 Concen: 0.872 ug/L
 RT: 14.331 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VU055121.D
 Acq: 06 Sep 2023 02:38

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4C7



Tgt Ion:	180	Resp:	12016
Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.6	113.4
145	30.3	27.0	40.6

