

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057180.D
 Acq On : 22 Dec 2023 10:08
 Operator : MD/SY
 Sample : 05912-20
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3N2

Quant Time: Dec 22 12:56:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 22 01:33:10 2023
 Response via : Initial Calibration

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

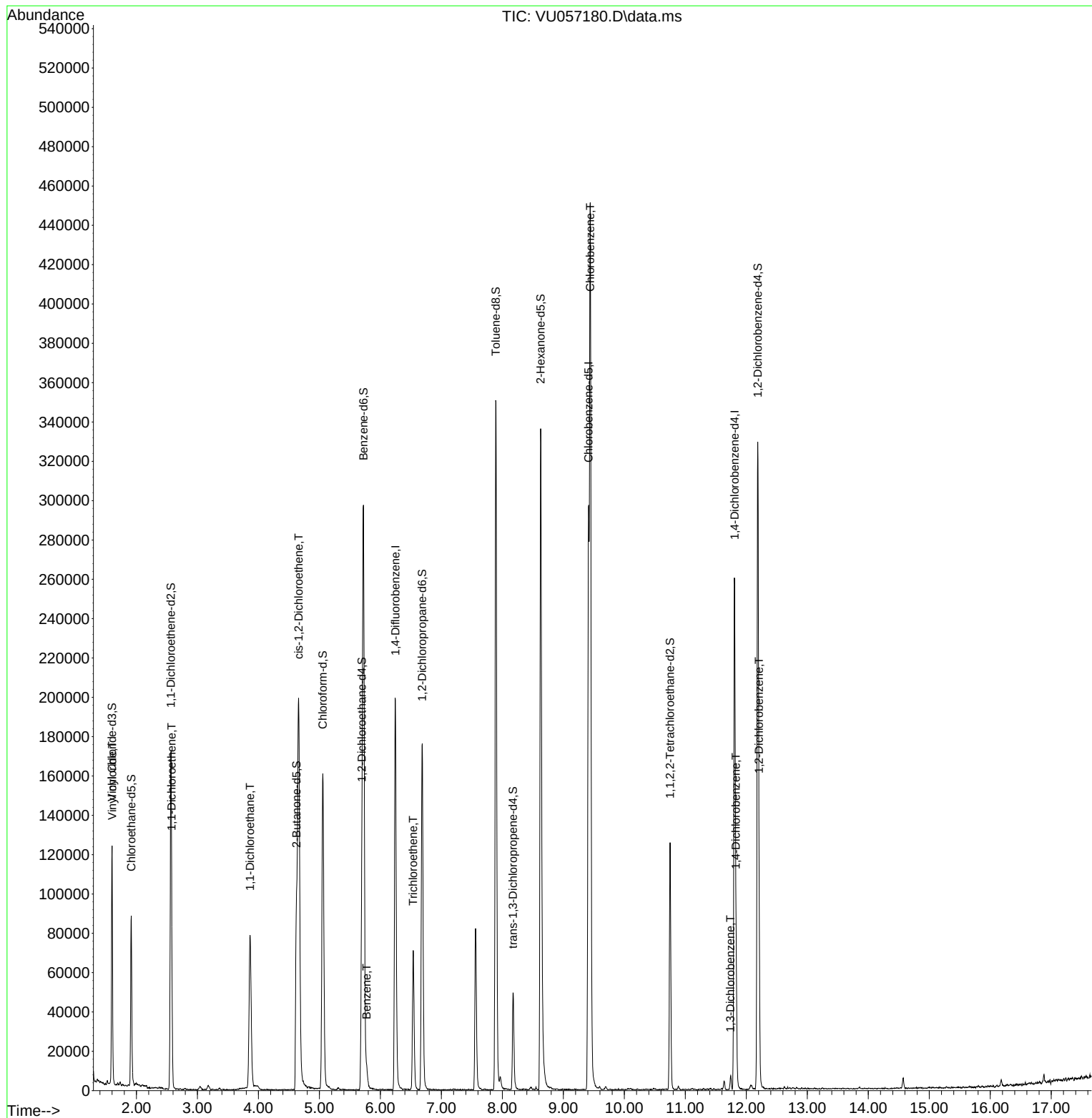
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	160752	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	157988	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	68655	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	76353	4.969	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	99.400%	
7) Chloroethane-d5	1.914	69	64490	5.099	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	102.000%	
11) 1,1-Dichloroethene-d2	2.564	65	31660	4.756	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	95.200%	
20) 2-Butanone-d5	4.625	46	140040	58.050	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	116.100%	
24) Chloroform-d	5.056	84	155184	5.230	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	104.600%	
26) 1,2-Dichloroethane-d4	5.695	65	78035	5.518	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	110.400%	
32) Benzene-d6	5.721	84	288680	5.327	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	106.600%	
36) 1,2-Dichloropropane-d6	6.682	67	84084	5.453	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	109.000%	
41) Toluene-d8	7.891	98	238587	4.823	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.400%	
43) trans-1,3-Dichloroprop...	8.174	79	30779	4.795	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	95.800%	
46) 2-Hexanone-d5	8.628	63	114159	52.234	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	104.460%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	58330	5.316	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	106.400%	
66) 1,2-Dichlorobenzene-d4	12.187	152	80304	5.436	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	108.800%	
Target Compounds						
5) Vinyl chloride	1.602	62	11696	0.832	ug/L	86
12) 1,1-Dichloroethene	2.577	96	6961	0.579	ug/L	# 1
19) 1,1-Dichloroethane	3.863	63	88956	3.825	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	96208	7.454	ug/L	99
33) Benzene	5.773	78	8602	0.172	ug/L	100
34) Trichloroethene	6.538	95	24523	1.674	ug/L	93
51) Chlorobenzene	9.441	112	239741	6.940	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	3295	0.138	ug/L	94
65) 1,4-Dichlorobenzene	11.830	146	25194	1.046	ug/L	90
67) 1,2-Dichlorobenzene	12.206	146	31050	1.451	ug/L	98

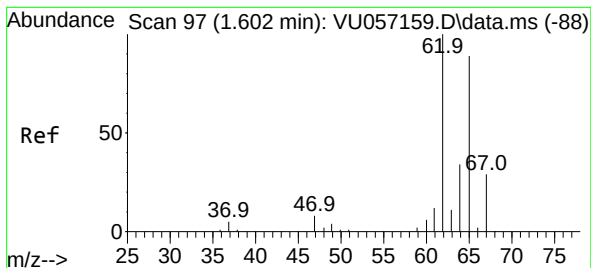
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.832 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU057180.D

Acq: 22 Dec 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

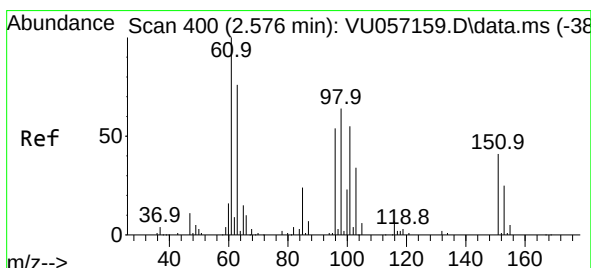
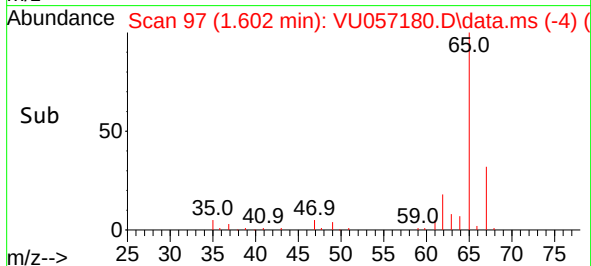
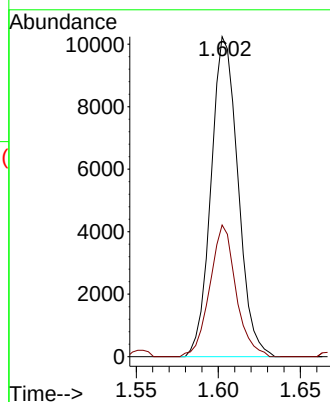
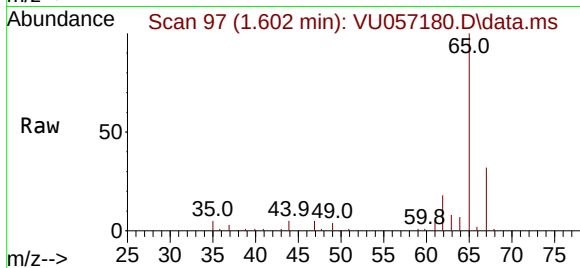
BH3N2

Tgt Ion: 62 Resp: 11696

Ion Ratio Lower Upper

62 100

64 41.1 23.3 43.3



#12

1,1-Dichloroethene

Concen: 0.579 ug/L

RT: 2.577 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU057180.D

Acq: 22 Dec 2023 10:08

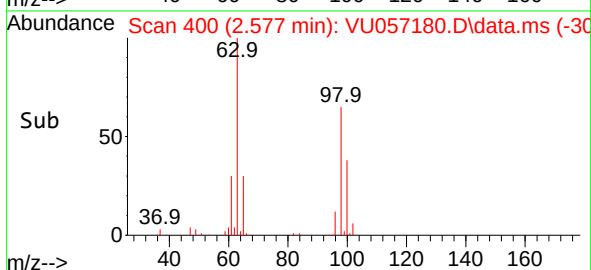
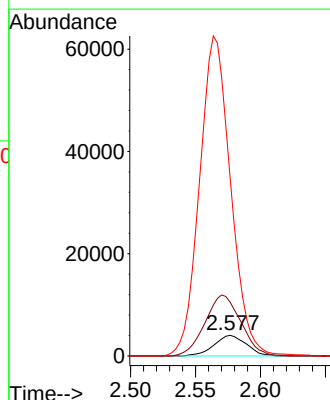
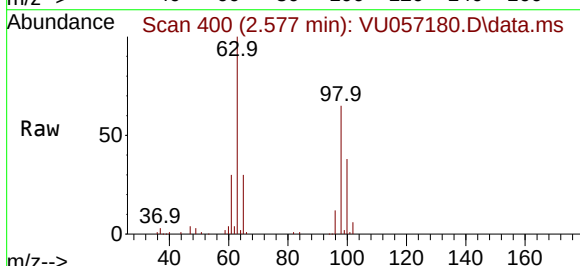
Tgt Ion: 96 Resp: 6961

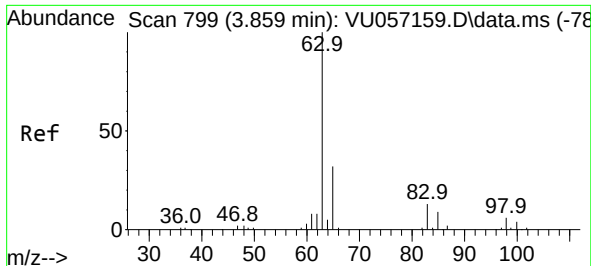
Ion Ratio Lower Upper

96 100

61 259.7 119.6 222.0#

63 861.6 96.2 178.8#





#19

1,1-Dichloroethane

Concen: 3.825 ug/L

RT: 3.863 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU057180.D

Acq: 22 Dec 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

BH3N2

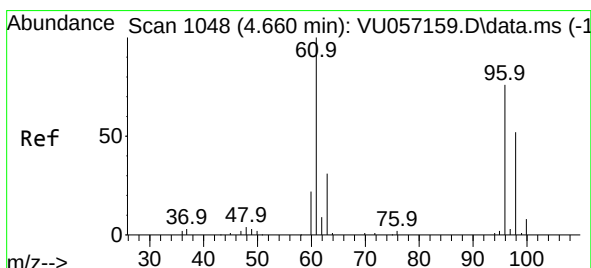
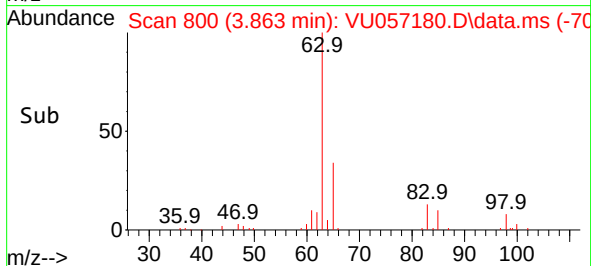
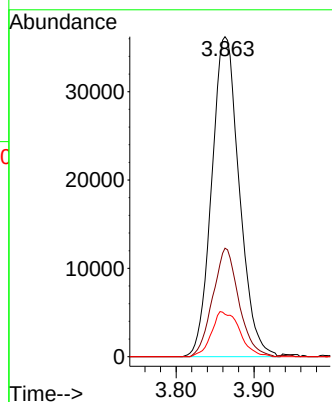
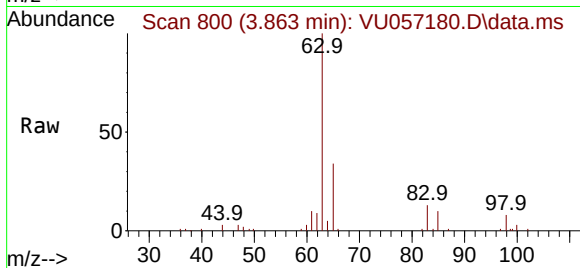
Tgt Ion: 63 Resp: 88956

Ion Ratio Lower Upper

63 100

65 33.9 21.6 40.2

83 13.2 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 7.454 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU057180.D

Acq: 22 Dec 2023 10:08

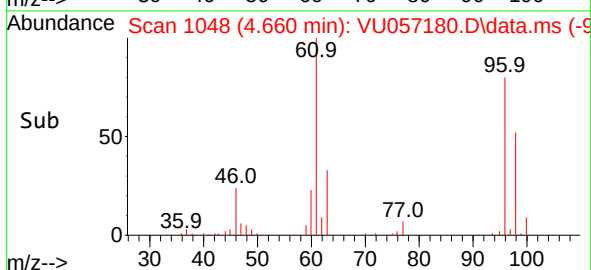
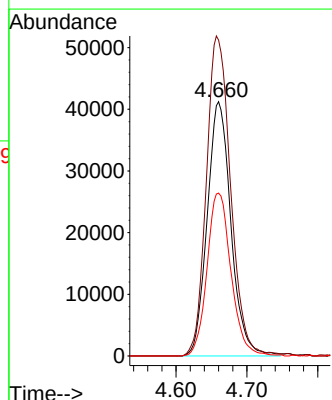
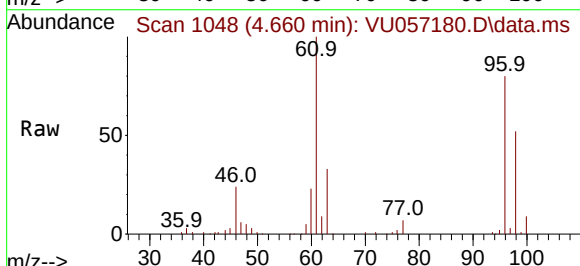
Tgt Ion: 96 Resp: 96208

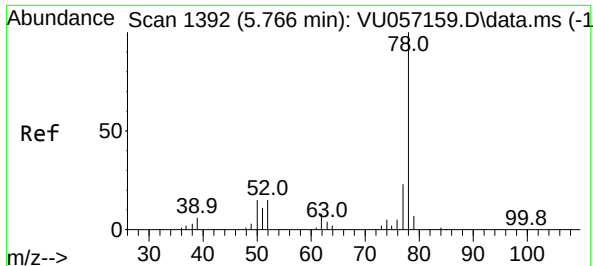
Ion Ratio Lower Upper

96 100

61 124.2 86.8 161.2

98 64.1 45.5 84.5





#33

Benzene

Concen: 0.172 ug/L

RT: 5.773 min Scan# 11

Delta R.T. 0.007 min

Lab File: VU057180.D

Acq: 22 Dec 2023 10:08

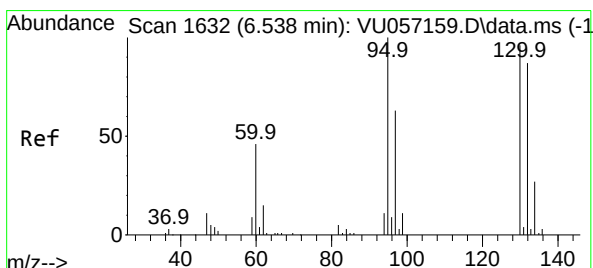
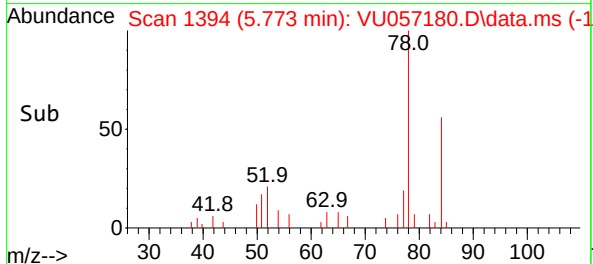
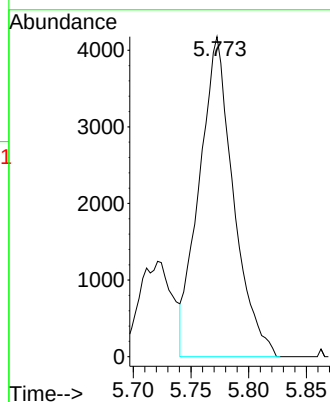
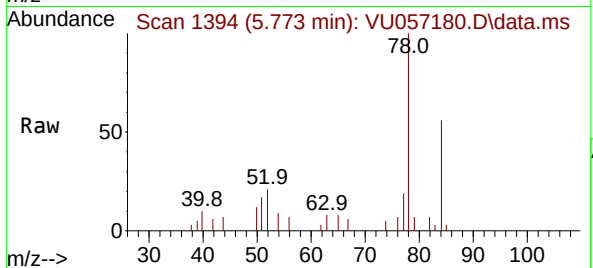
Instrument :

MSVOA_U

ClientSampleId :

BH3N2

Tgt Ion: 78 Resp: 8602



#34

Trichloroethene

Concen: 1.674 ug/L

RT: 6.538 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VU057180.D

Acq: 22 Dec 2023 10:08

Tgt Ion: 95 Resp: 24523

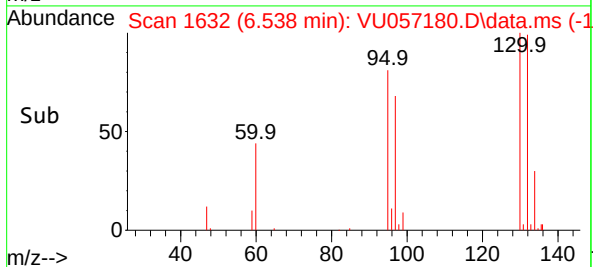
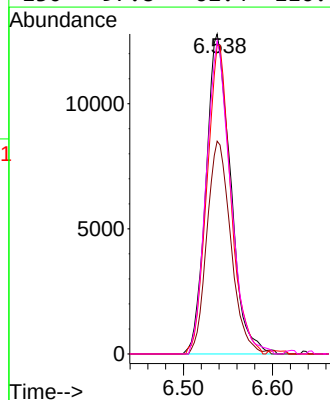
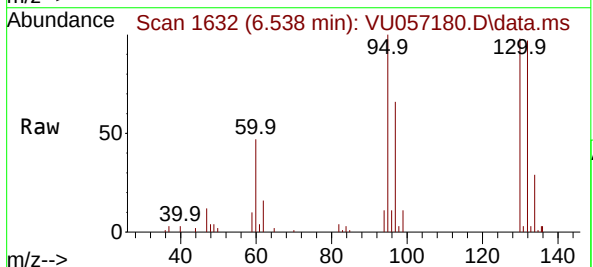
Ion Ratio Lower Upper

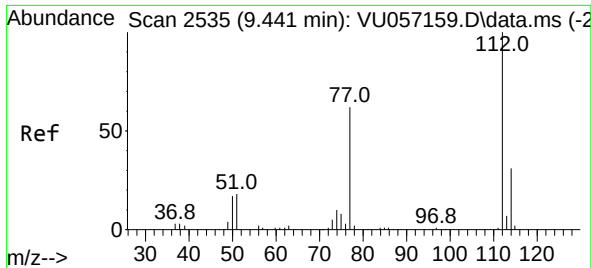
95 100

97 66.5 44.3 82.3

132 96.6 62.6 116.2

130 97.8 62.4 116.0

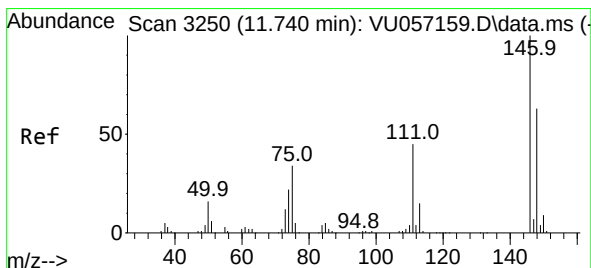
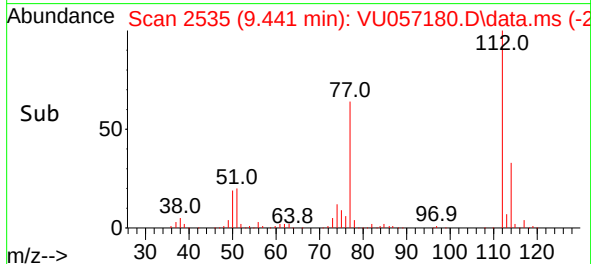
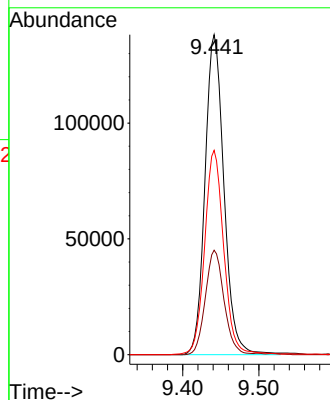
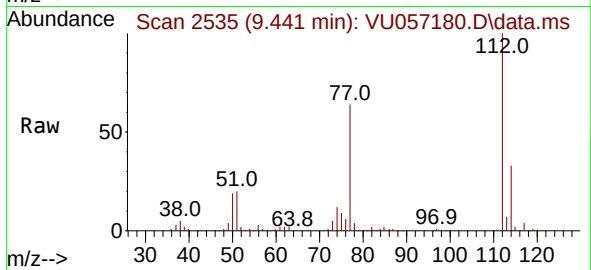




#51
Chlorobenzene
Concen: 6.940 ug/L
RT: 9.441 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057180.D
Acq: 22 Dec 2023 10:08

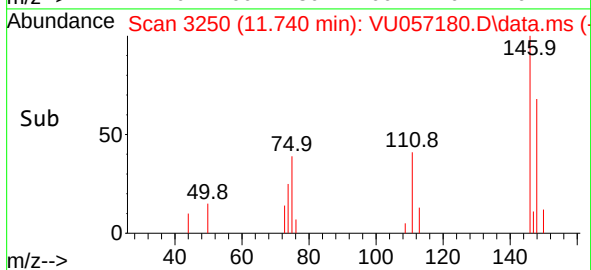
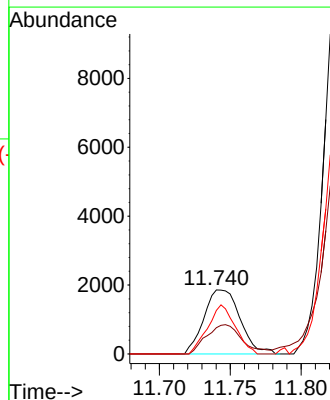
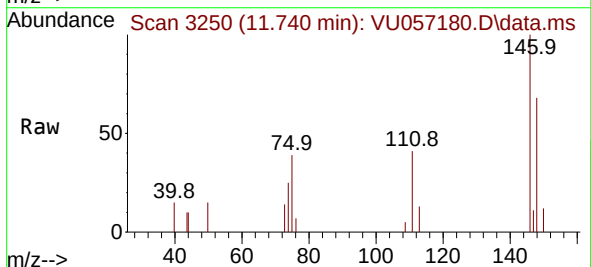
Instrument :
MSVOA_U
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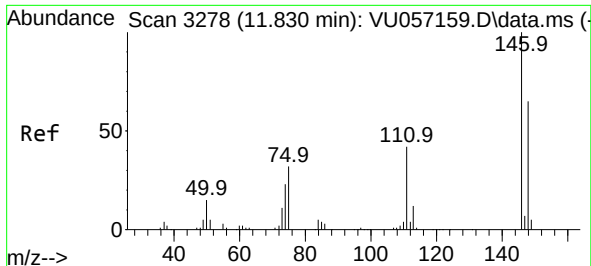
Tgt Ion:112 Resp: 239741
Ion Ratio Lower Upper
112 100
114 32.6 22.7 42.1
77 63.8 52.2 78.2



#64
1,3-Dichlorobenzene
Concen: 0.138 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU057180.D
Acq: 22 Dec 2023 10:08

Tgt Ion:146 Resp: 3295
Ion Ratio Lower Upper
146 100
111 41.0 30.4 56.4
148 68.0 43.4 80.6

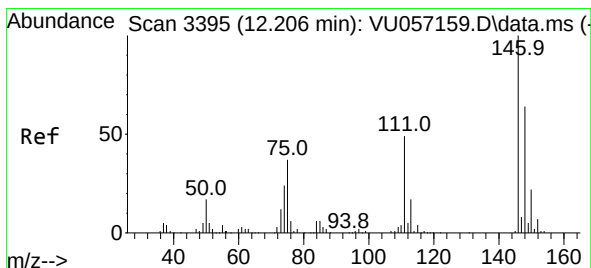
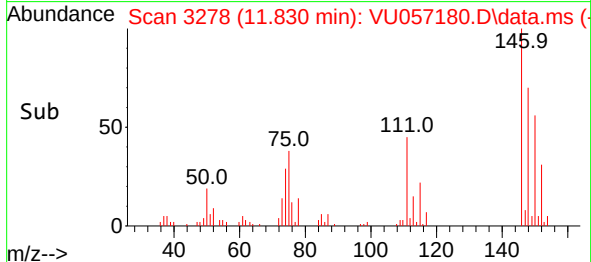
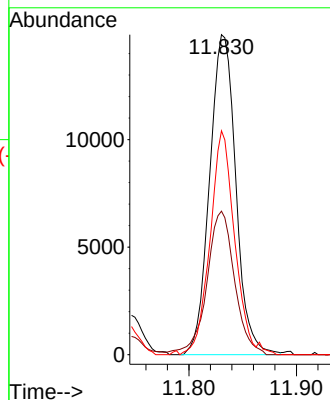
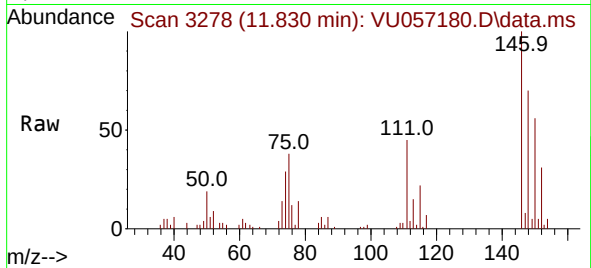




#65
1,4-Dichlorobenzene
Concen: 1.046 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU057180.D
Acq: 22 Dec 2023 10:08

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MSVOA_U
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Tgt Ion:146 Resp: 25194
Ion Ratio Lower Upper
146 100
111 44.9 28.1 52.3
148 70.0 43.0 79.8



#67
1,2-Dichlorobenzene
Concen: 1.451 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU057180.D
Acq: 22 Dec 2023 10:08

Tgt Ion:146 Resp: 31050
Ion Ratio Lower Upper
146 100
111 48.4 37.9 56.9
148 64.9 50.1 75.1

