

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057182.D
 Acq On : 22 Dec 2023 10:56
 Operator : MD/SY
 Sample : 05912-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3N1

Quant Time: Dec 22 12:39:43 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)

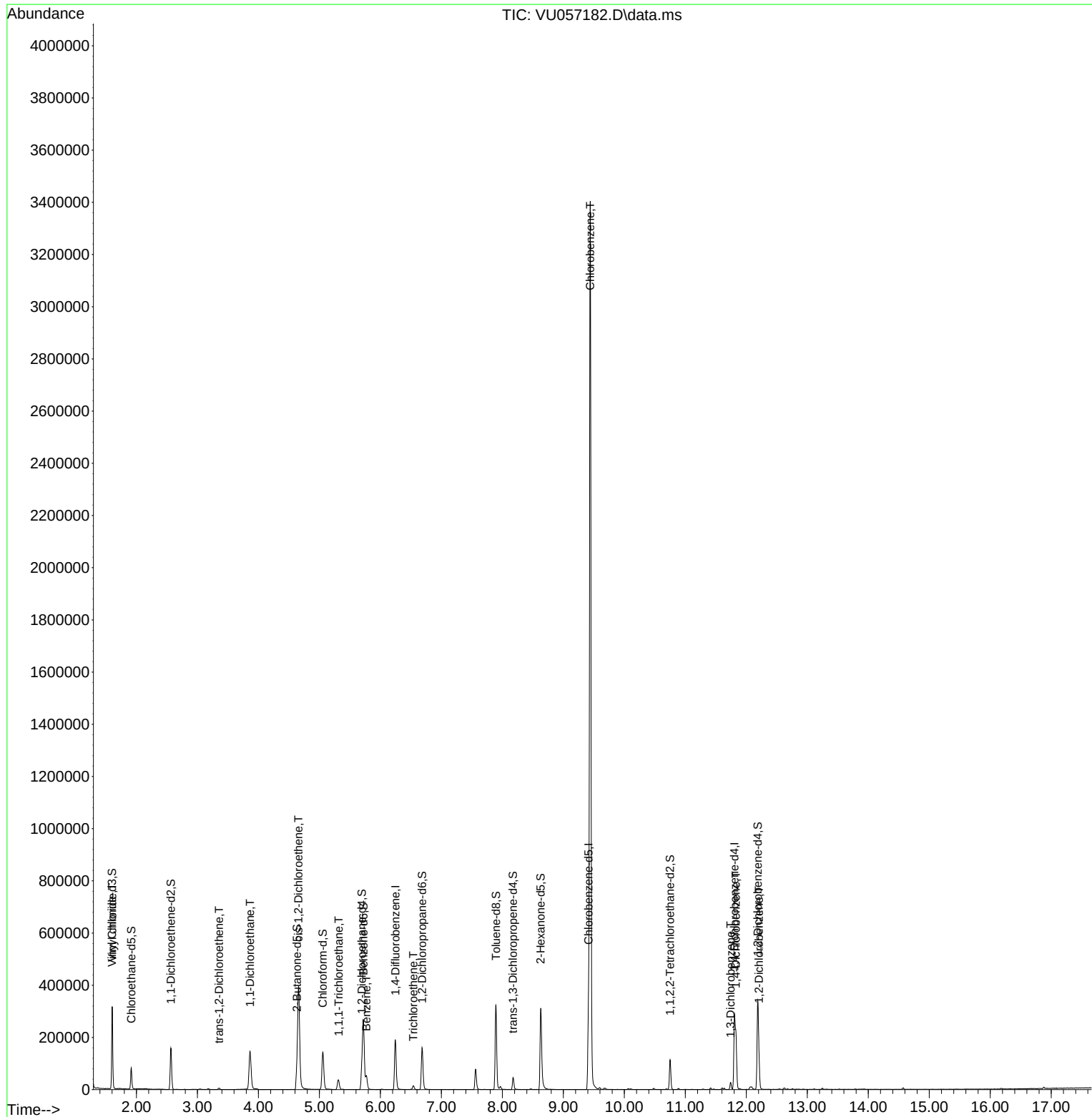
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	155079	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	157149	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	72016	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	74409	5.020	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.400%
7) Chloroethane-d5	1.914	69	61496	5.040	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.800%
11) 1,1-Dichloroethene-d2	2.563	65	29940	4.662	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.200%
20) 2-Butanone-d5	4.631	46	128330	55.142	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.280%
24) Chloroform-d	5.055	84	137186	4.793	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
26) 1,2-Dichloroethane-d4	5.695	65	70653	5.179	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.721	84	258452	4.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	6.682	67	75479	4.921	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.894	98	220274	4.476	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	8.174	79	28126	4.405	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.200%
46) 2-Hexanone-d5	8.627	63	110597	50.874	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.740%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	53881	4.937	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	80669	5.206	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	156254	11.526	ug/L	99
18) trans-1,2-Dichloroethene	3.354	96	2129	0.188	ug/L	88
19) 1,1-Dichloroethane	3.862	63	167475	7.464	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	195914	15.735	ug/L	95
29) 1,1,1-Trichloroethane	5.316	97	28544	1.143	ug/L	99
33) Benzene	5.769	78	50840	1.021	ug/L	100
34) Trichloroethene	6.541	95	5423	0.372	ug/L	87
51) Chlorobenzene	9.441	112	1801864	52.437	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	10838	0.432	ug/L	94
65) 1,4-Dichlorobenzene	11.830	146	79804	3.159	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	38030	1.694	ug/L	96

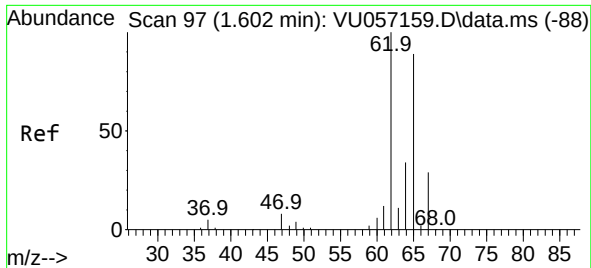
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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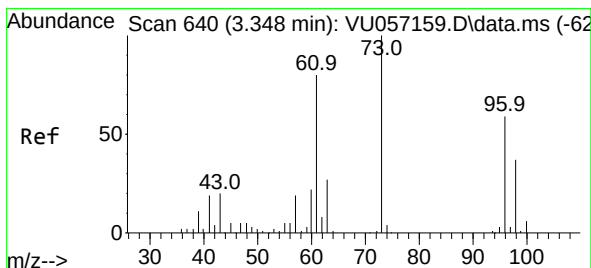
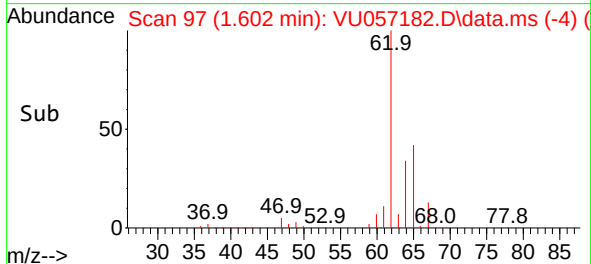
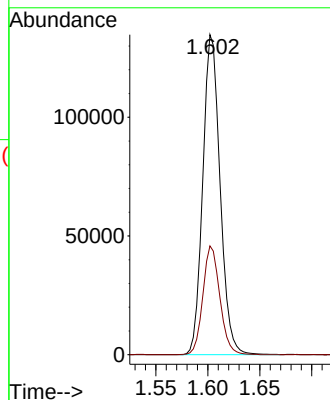
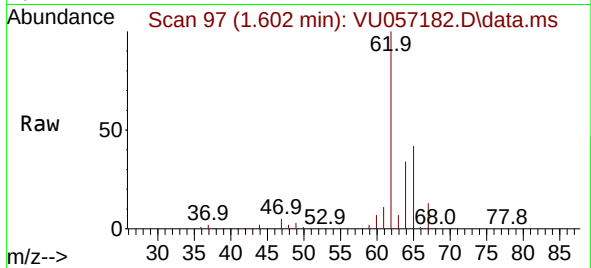




#5
 Vinyl chloride
 Concen: 11.526 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057182.D
 Acq: 22 Dec 2023 10:56

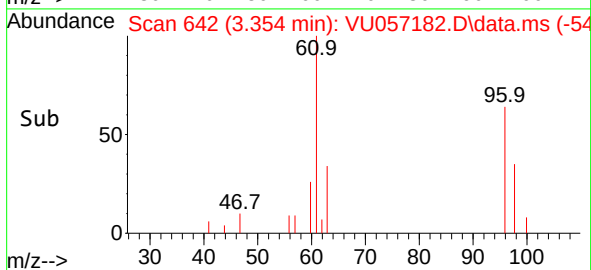
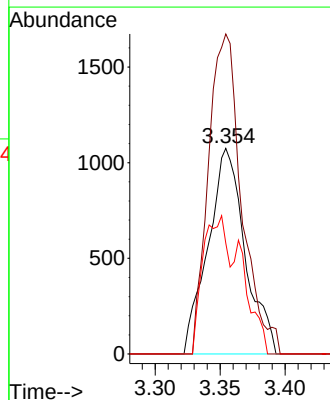
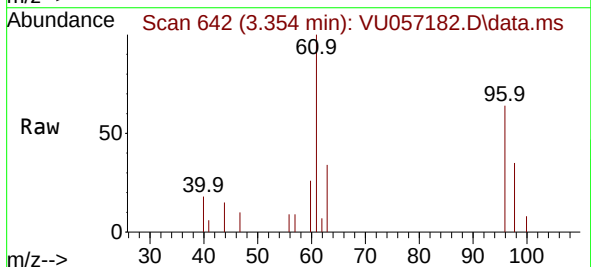
Instrument :
 MSVOA_U
 ClientSampleId :
 BH3N1

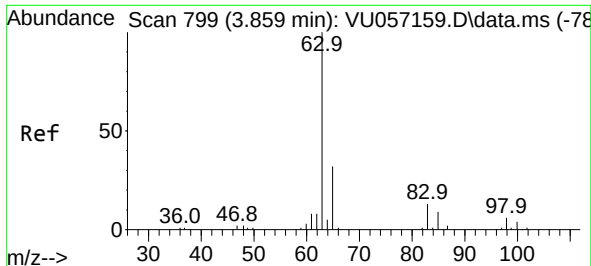
Tgt Ion: 62 Resp: 156254
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.3 43.3



#18
 trans-1,2-Dichloroethene
 Concen: 0.188 ug/L
 RT: 3.354 min Scan# 642
 Delta R.T. 0.006 min
 Lab File: VU057182.D
 Acq: 22 Dec 2023 10:56

Tgt Ion: 96 Resp: 2129
 Ion Ratio Lower Upper
 96 100
 61 155.6 98.4 182.8
 98 53.9 43.6 81.0





#19

1,1-Dichloroethane

Concen: 7.464 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU057182.D

Acq: 22 Dec 2023 10:56

Instrument :

MSVOA_U

ClientSampleId :

BH3N1

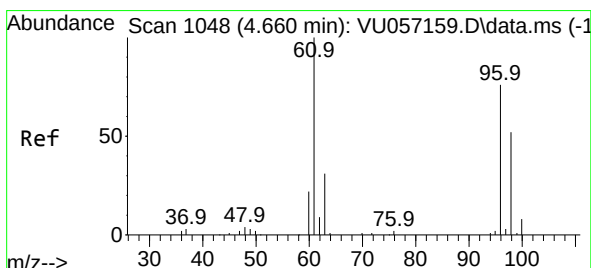
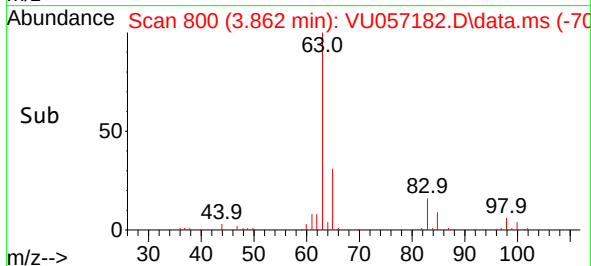
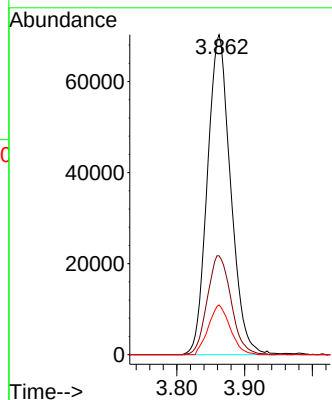
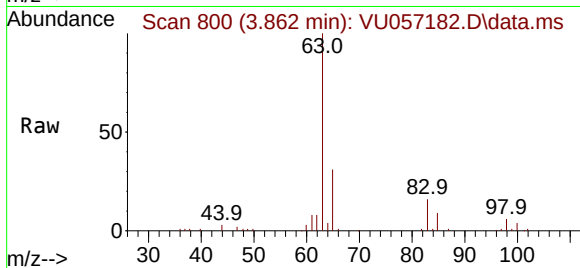
Tgt Ion: 63 Resp: 167475

Ion Ratio Lower Upper

63 100

65 30.9 21.6 40.2

83 15.5 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 15.735 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU057182.D

Acq: 22 Dec 2023 10:56

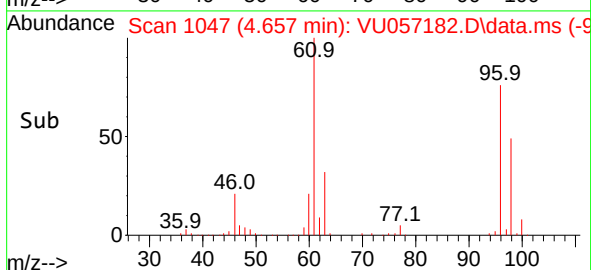
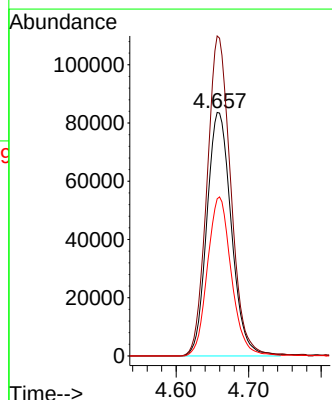
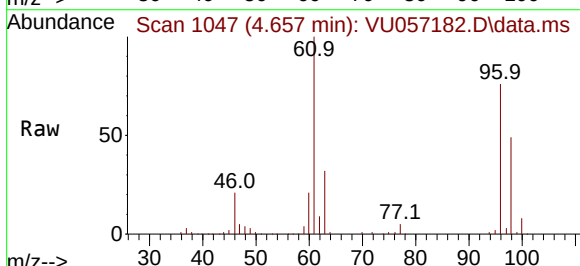
Tgt Ion: 96 Resp: 195914

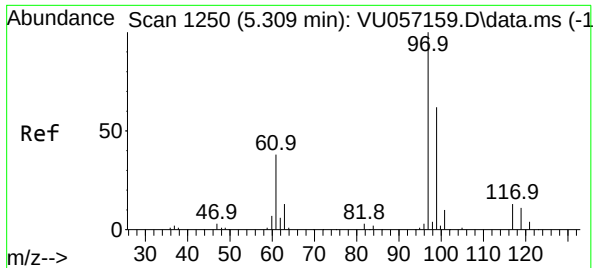
Ion Ratio Lower Upper

96 100

61 131.4 86.8 161.2

98 64.5 45.5 84.5

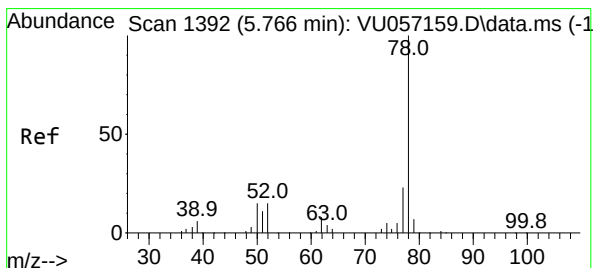
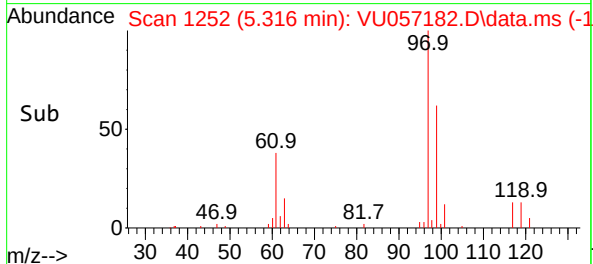
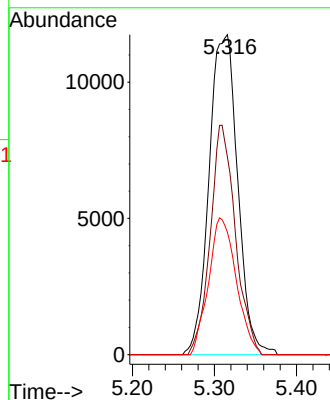
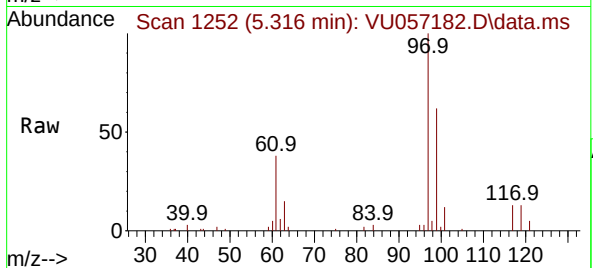




#29
1,1,1-Trichloroethane
Concen: 1.143 ug/L
RT: 5.316 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU057182.D
Acq: 22 Dec 2023 10:56

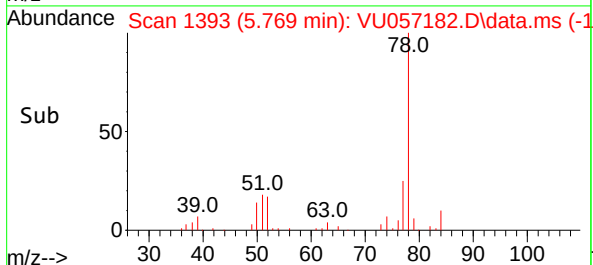
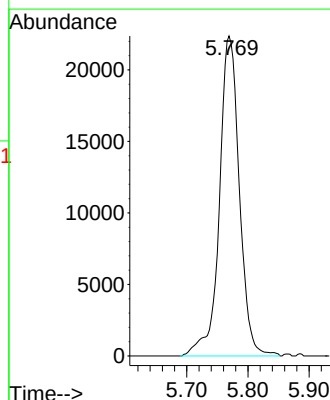
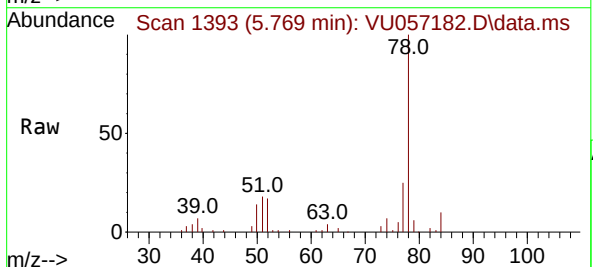
Instrument :
MSVOA_U
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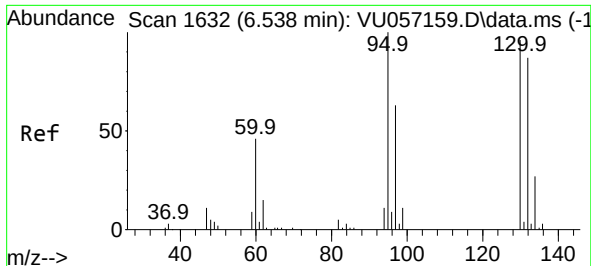
Tgt Ion: 97 Resp: 28544
Ion Ratio Lower Upper
97 100
99 63.0 51.2 76.8
61 41.4 32.5 48.7



#33
Benzene
Concen: 1.021 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU057182.D
Acq: 22 Dec 2023 10:56

Tgt Ion: 78 Resp: 50840



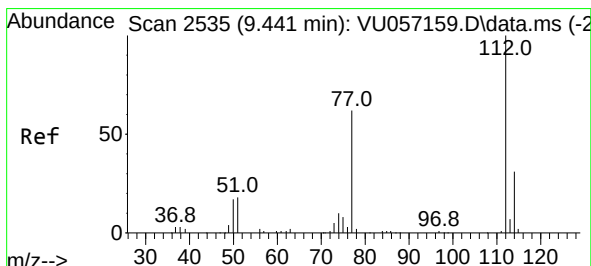
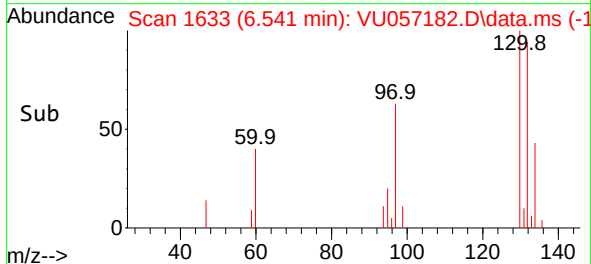
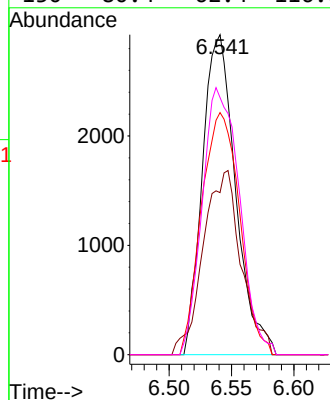
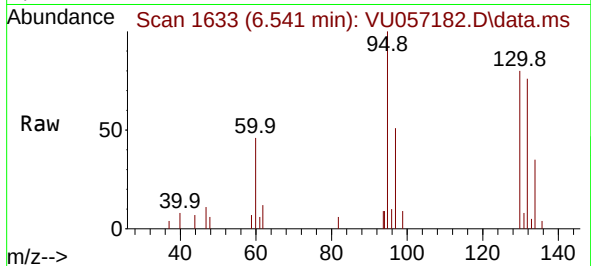


#34
Trichloroethene
Concen: 0.372 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU057182.D
Acq: 22 Dec 2023 10:56

Instrument :
MSVOA_U
ClientSampleId :
BH3N1

Tgt Ion: 95 Resp: 5423

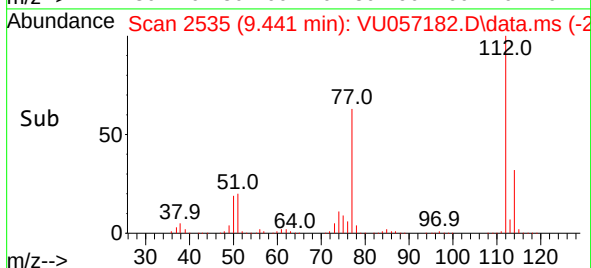
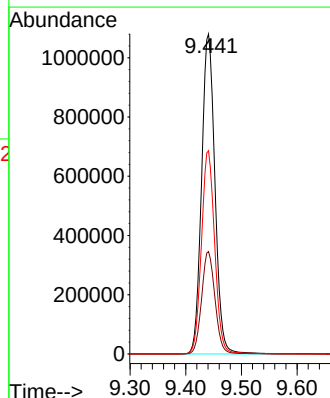
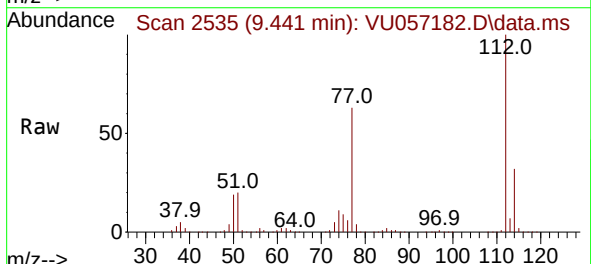
Ion	Ratio	Lower	Upper
95	100		
97	50.6	44.3	82.3
132	75.7	62.6	116.2
130	80.4	62.4	116.0

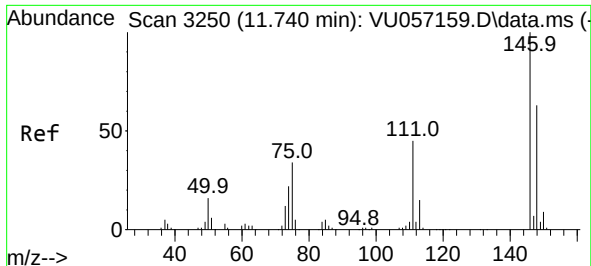


#51
Chlorobenzene
Concen: 52.437 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057182.D
Acq: 22 Dec 2023 10:56

Tgt Ion: 112 Resp: 1801864

Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.7	42.1
77	63.5	52.2	78.2

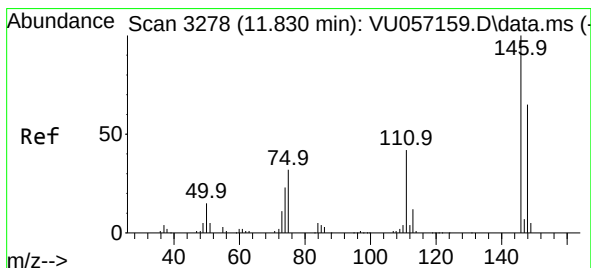
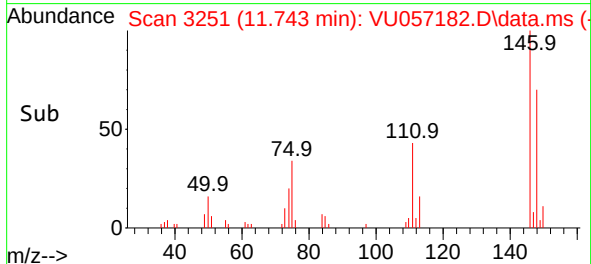
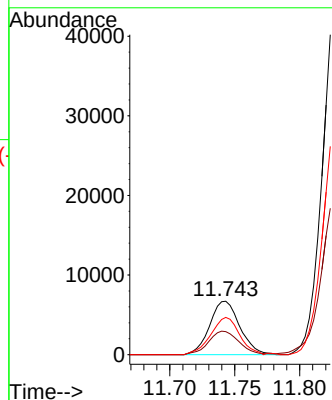
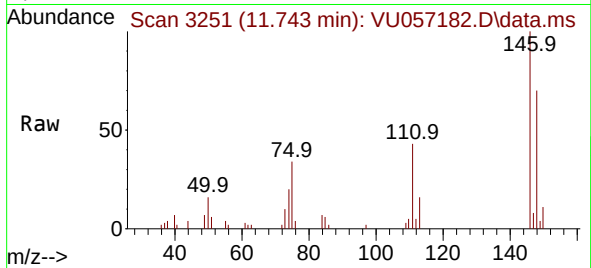




#64
1,3-Dichlorobenzene
Concen: 0.432 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU057182.D
Acq: 22 Dec 2023 10:56

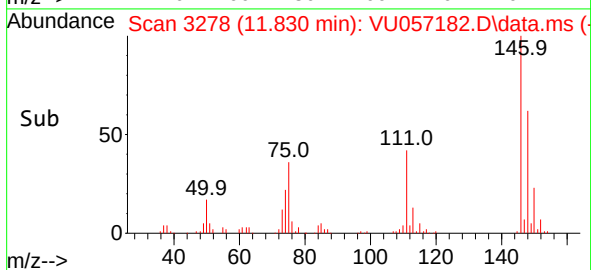
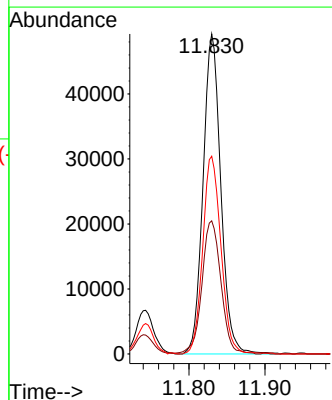
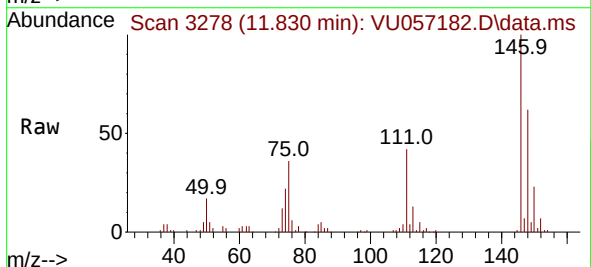
Instrument :
MSVOA_U
ClientSampleId :
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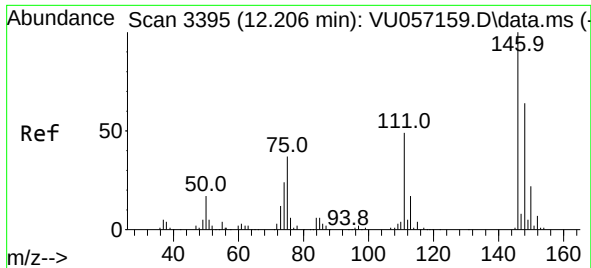
Tgt Ion:146 Resp: 10838
Ion Ratio Lower Upper
146 100
111 43.2 30.4 56.4
148 69.6 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 3.159 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU057182.D
Acq: 22 Dec 2023 10:56

Tgt Ion:146 Resp: 79804
Ion Ratio Lower Upper
146 100
111 41.6 28.1 52.3
148 61.8 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 1.694 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057182.D

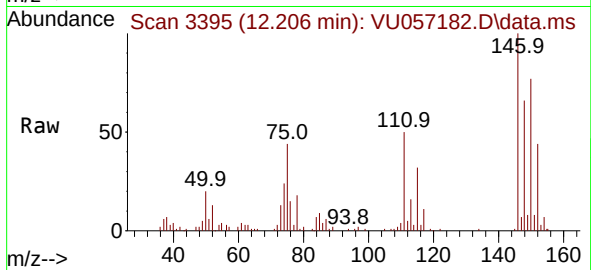
Acq: 22 Dec 2023 10:56

Instrument :

MSVOA_U

ClientSampleId :

BH3N1



Tgt Ion:146 Resp: 38030

Ion Ratio Lower Upper

146 100

111 49.8 37.9 56.9

148 66.5 50.1 75.1

