

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057179.D
 Acq On : 22 Dec 2023 09:44
 Operator : MD/SY
 Sample : 05912-19DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 12:39:18 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)

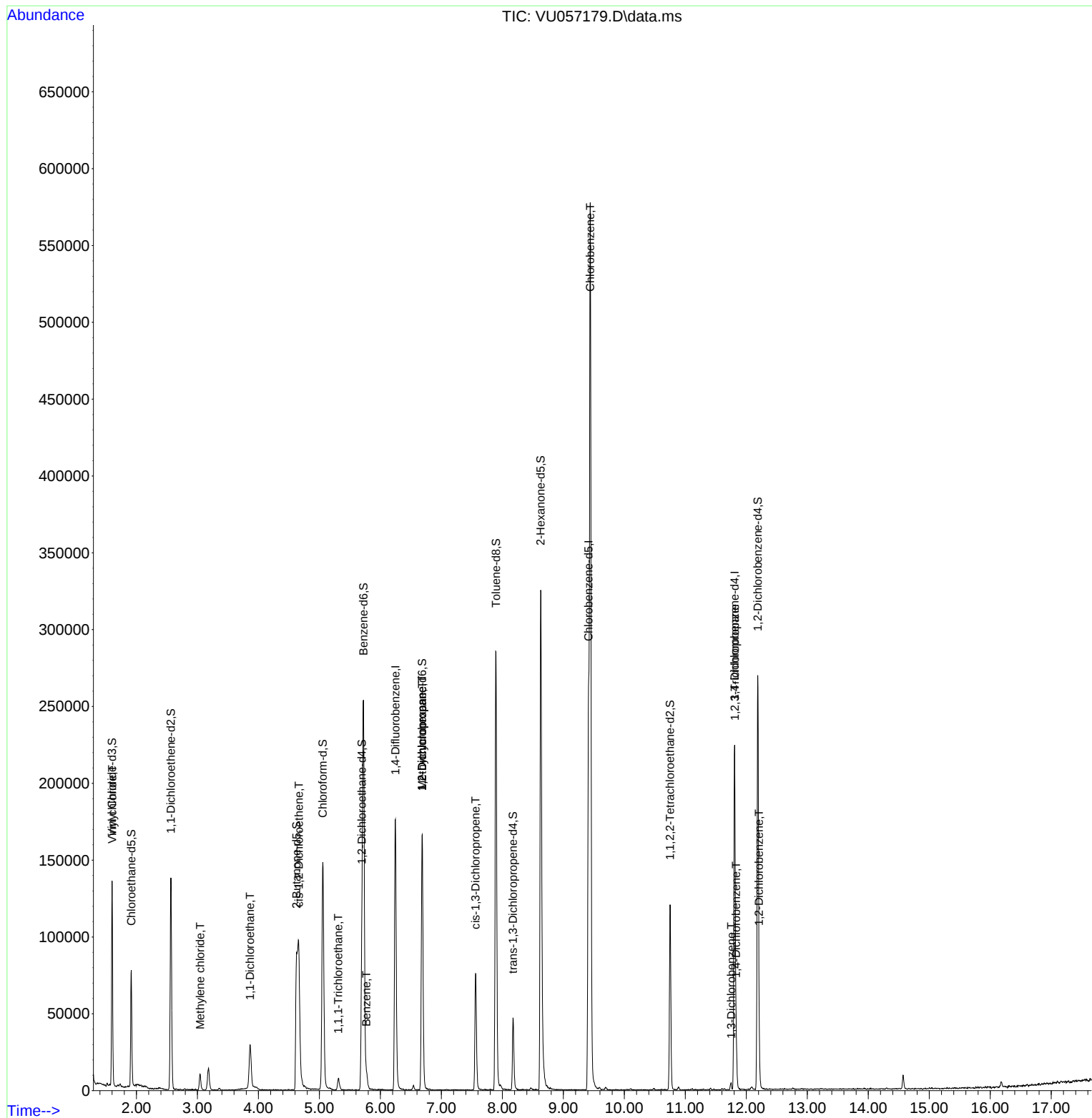
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	143951	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	139805	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	57314	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	68913	5.009	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 100.200%		
7) Chloroethane-d5	1.914	69	56904	5.024	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 100.400%		
11) 1,1-Dichloroethene-d2	2.563	65	25772	4.323	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 86.400%		
20) 2-Butanone-d5	4.624	46	129225	59.819	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 119.640%		
24) Chloroform-d	5.055	84	142592	5.367	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 107.400%		
26) 1,2-Dichloroethane-d4	5.695	65	71355	5.635	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 112.600%		
32) Benzene-d6	5.721	84	244148	5.092	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 101.800%		
36) 1,2-Dichloropropane-d6	6.682	67	78372	5.743	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 114.800%		
41) Toluene-d8	7.894	98	198627	4.537	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 90.800%		
43) trans-1,3-Dichloroprop...	8.174	79	28935	5.094	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 101.800%		
46) 2-Hexanone-d5	8.627	63	110616	57.196	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 114.400%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	57600	5.932	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 118.600%		
66) 1,2-Dichlorobenzene-d4	12.187	152	66575	5.398	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 108.000%		
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	31035	2.466	ug/L	99
16) Methylene chloride	3.043	84	5225	0.418	ug/L	96
19) 1,1-Dichloroethane	3.862	63	33372	1.602	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	38072	3.294	ug/L	94
29) 1,1,1-Trichloroethane	5.309	97	5584	0.251	ug/L	99
33) Benzene	5.772	78	8789	0.198	ug/L	100
35) Methylcyclohexane	6.685	83	19432	1.139	ug/L #	19
37) 1,2-Dichloropropane	6.682	63	9265	0.840	ug/L #	88
39) cis-1,3-Dichloropropene	7.560	75	2238	0.135	ug/L	86
51) Chlorobenzene	9.441	112	304113	9.948	ug/L	98
61) 1,2,3-Trichloropropane	11.811	75	11196	2.097	ug/L #	41
64) 1,3-Dichlorobenzene	11.753	146	2251	0.113	ug/L	85
65) 1,4-Dichlorobenzene	11.833	146	12926	0.643	ug/L	93
67) 1,2-Dichlorobenzene	12.206	146	6446	0.361	ug/L	92

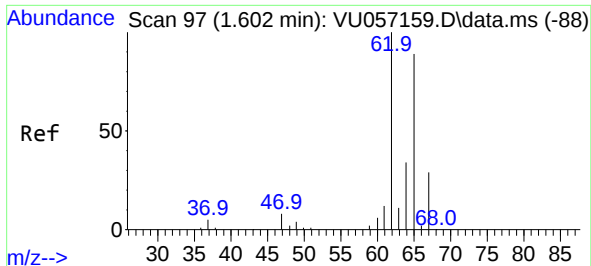
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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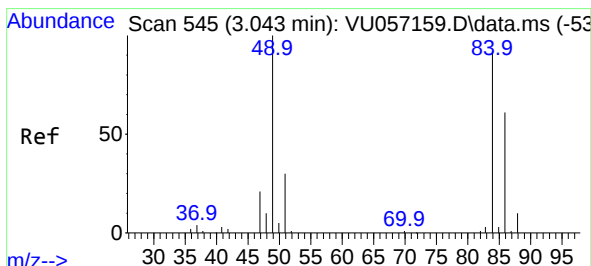
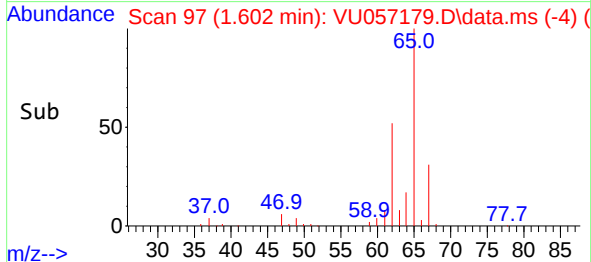
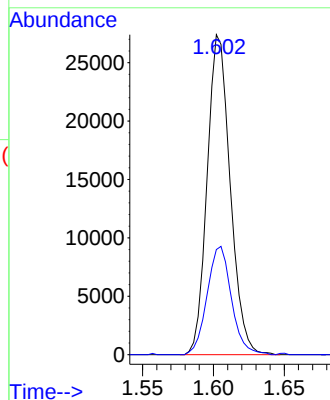
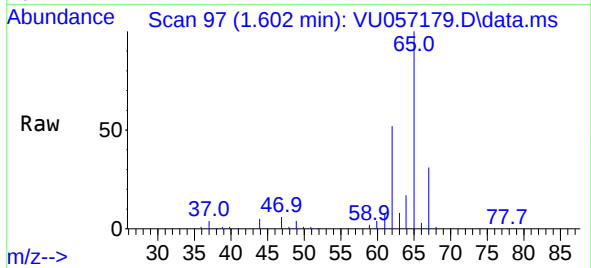




#5
 Vinyl chloride
 Concen: 2.466 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057179.D
 Acq: 22 Dec 2023 09:44

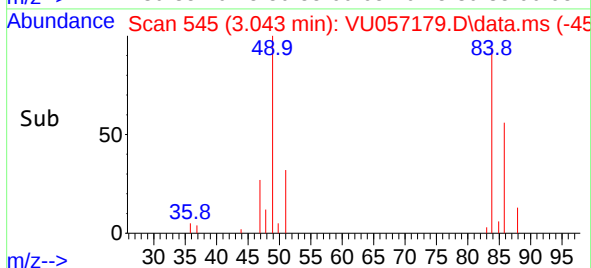
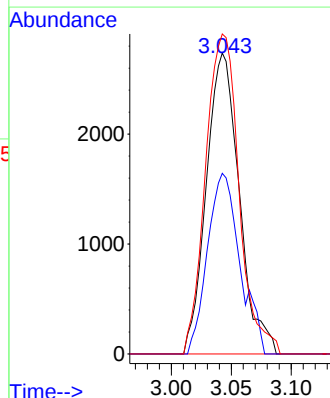
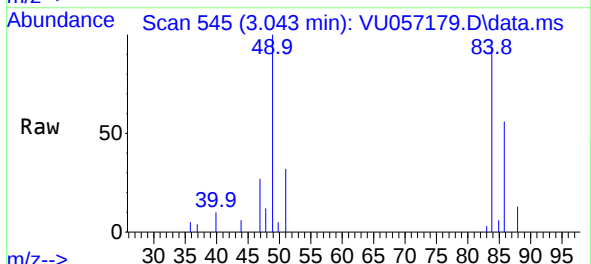
Instrument :
 MSVOA_U
 ClientSampleId :

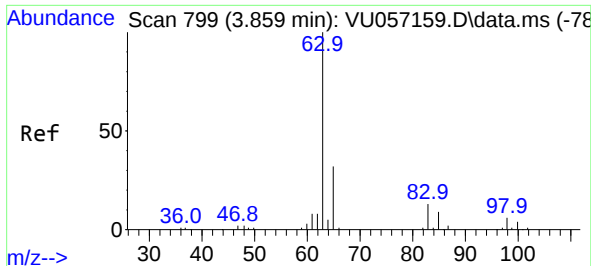
Tgt Ion: 62 Resp: 31035
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.3 43.3



#16
 Methylene chloride
 Concen: 0.418 ug/L
 RT: 3.043 min Scan# 545
 Delta R.T. 0.000 min
 Lab File: VU057179.D
 Acq: 22 Dec 2023 09:44

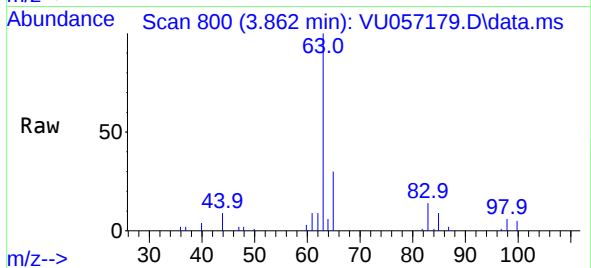
Tgt Ion: 84 Resp: 5225
 Ion Ratio Lower Upper
 84 100
 86 60.0 44.7 82.9
 49 111.9 76.0 141.2



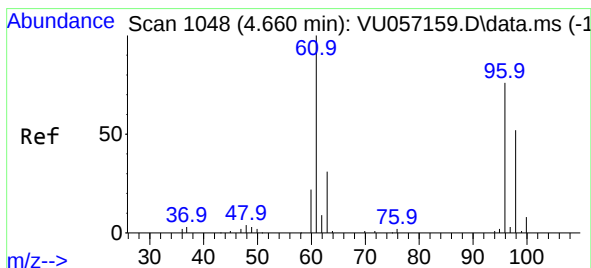
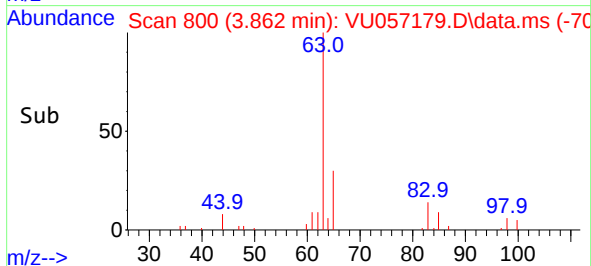
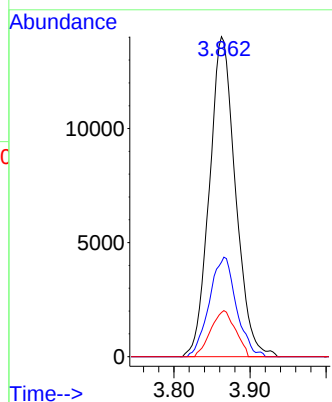


#19
1,1-Dichloroethane
Concen: 1.602 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.003 min
Lab File: VU057179.D
Acq: 22 Dec 2023 09:44

Instrument :
MSVOA_U
ClientSampleId :

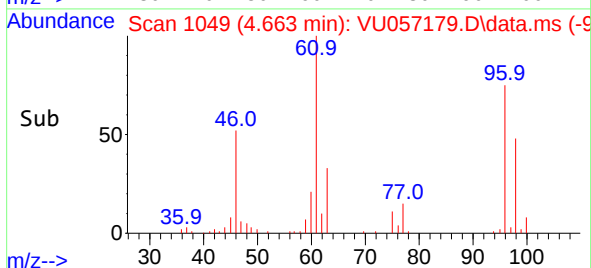
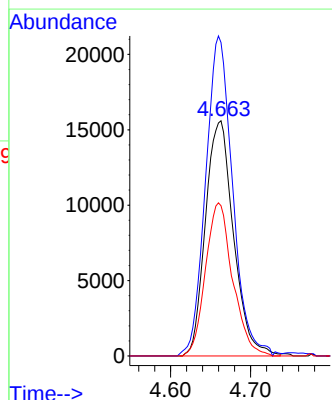
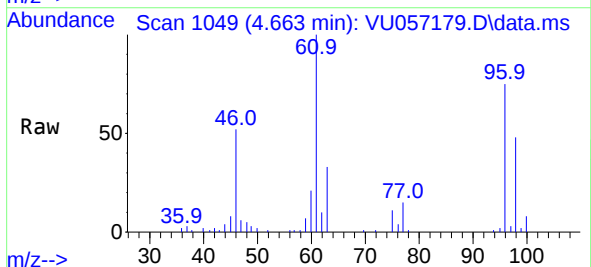


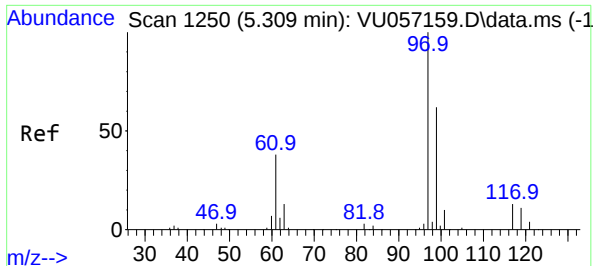
Tgt Ion: 63 Resp: 33372
Ion Ratio Lower Upper
63 100
65 29.6 21.6 40.2
83 13.8 10.2 19.0



#22
cis-1,2-Dichloroethene
Concen: 3.294 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU057179.D
Acq: 22 Dec 2023 09:44

Tgt Ion: 96 Resp: 38072
Ion Ratio Lower Upper
96 100
61 133.3 86.8 161.2
98 63.9 45.5 84.5

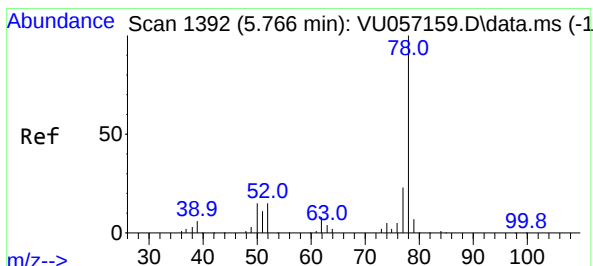
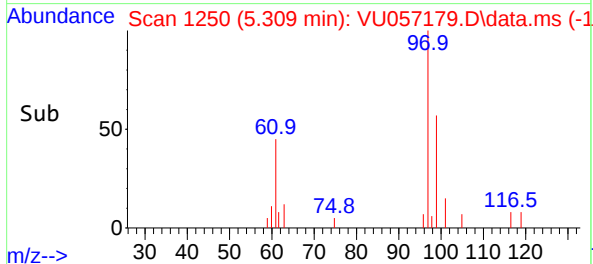
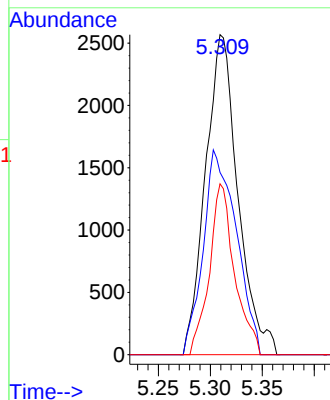
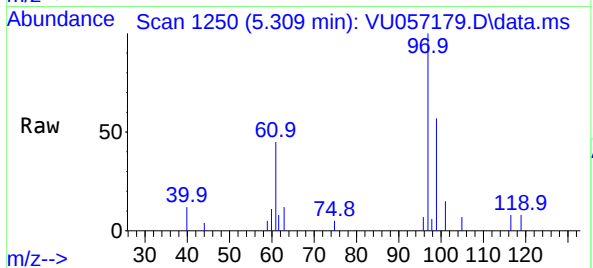




#29
1,1,1-Trichloroethane
Concen: 0.251 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057179.D
Acq: 22 Dec 2023 09:44

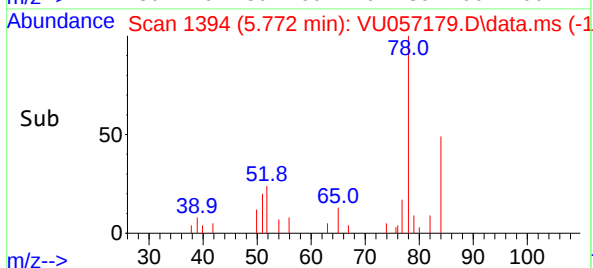
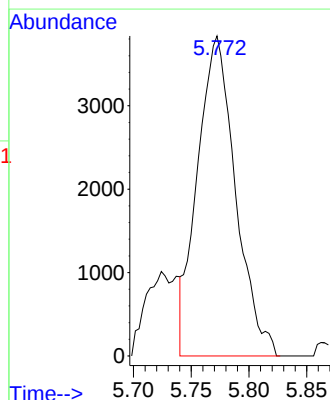
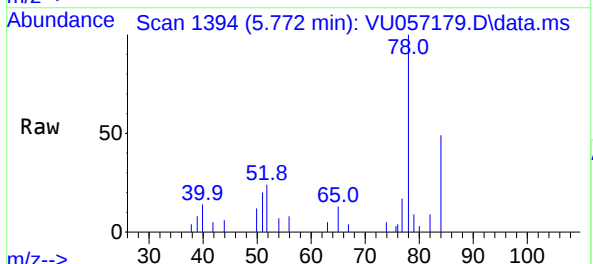
Instrument :
MSVOA_U
ClientSampleId :

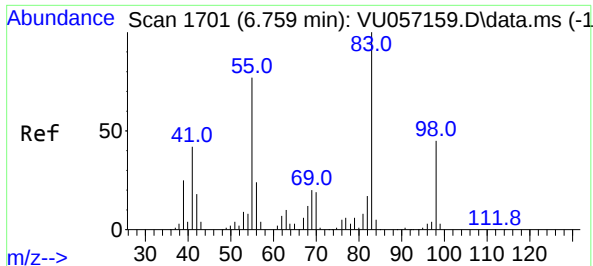
Tgt Ion: 97 Resp: 5584
Ion Ratio Lower Upper
97 100
99 65.3 51.2 76.8
61 41.3 32.5 48.7



#33
Benzene
Concen: 0.198 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.006 min
Lab File: VU057179.D
Acq: 22 Dec 2023 09:44

Tgt Ion: 78 Resp: 8789





#35

Methylcyclohexane

Concen: 1.139 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU057179.D

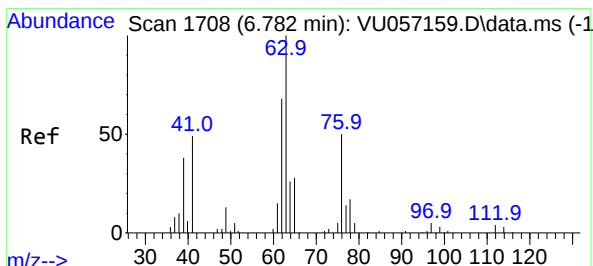
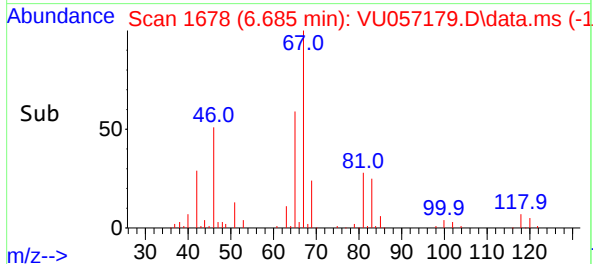
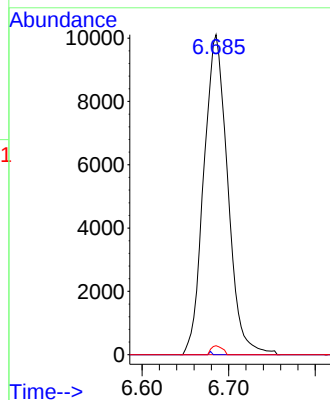
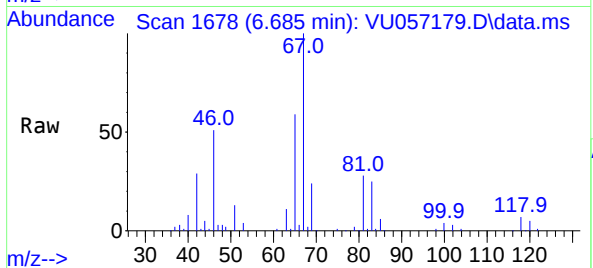
Acq: 22 Dec 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 19432
Ion Ratio	Lower Upper
83 100	
55 0.1	61.3 91.9#
98 1.3	36.6 55.0#



#37

1,2-Dichloropropane

Concen: 0.840 ug/L

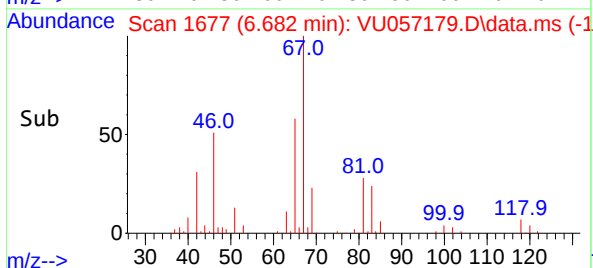
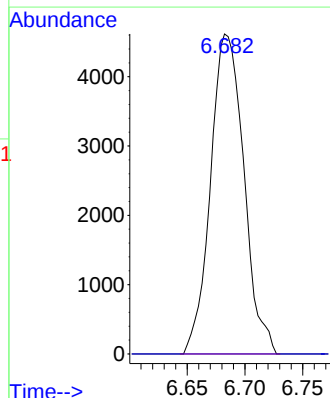
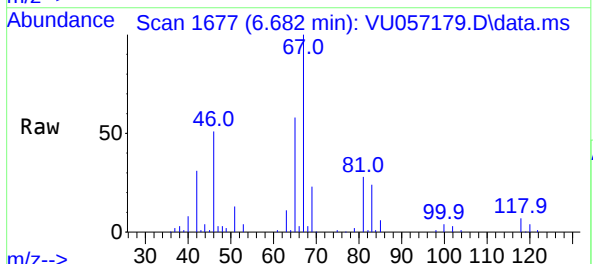
RT: 6.682 min Scan# 1677

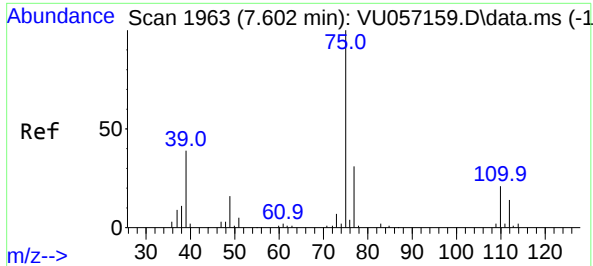
Delta R.T. -0.100 min

Lab File: VU057179.D

Acq: 22 Dec 2023 09:44

Tgt Ion: 63	Resp: 9265
Ion Ratio	Lower Upper
63 100	
112 0.0	3.1 4.7#

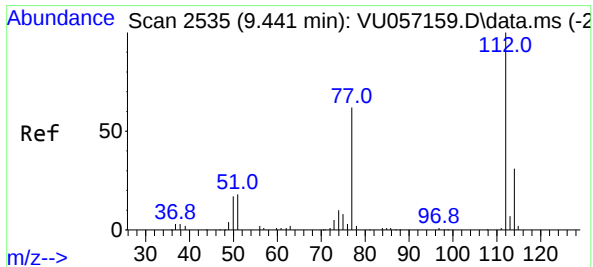
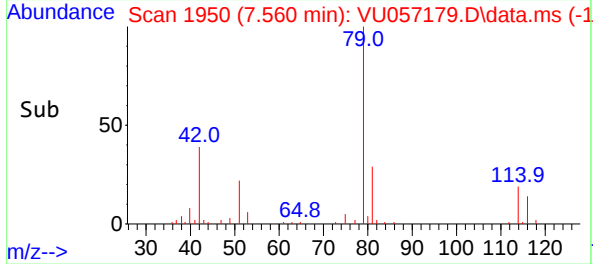
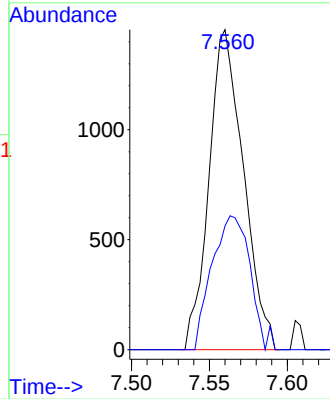
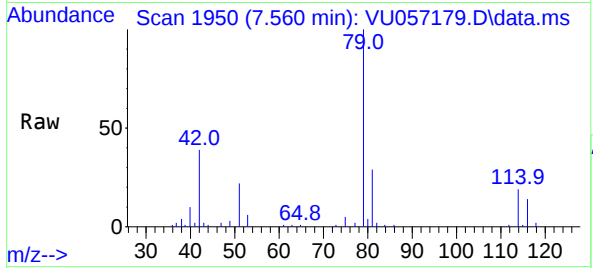




#39
 cis-1,3-Dichloropropene
 Concen: 0.135 ug/L
 RT: 7.560 min Scan# 1963
 Delta R.T. -0.042 min
 Lab File: VU057179.D
 Acq: 22 Dec 2023 09:44

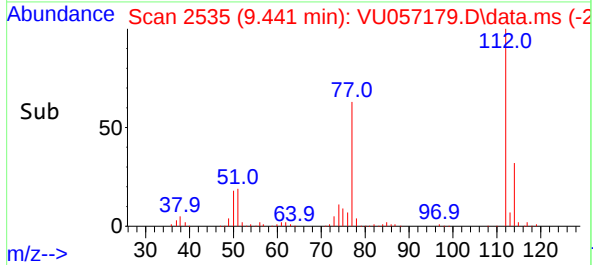
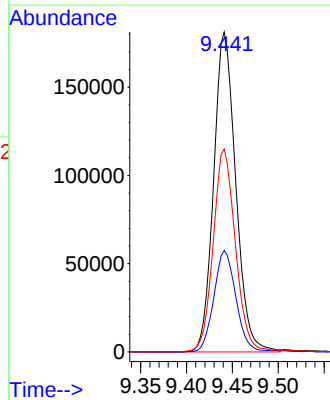
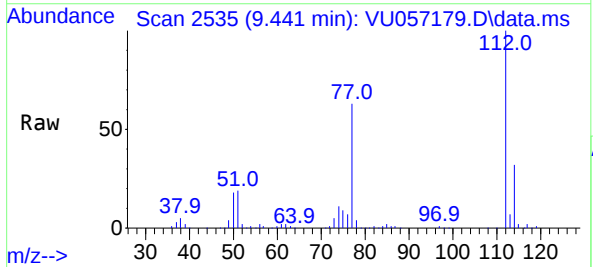
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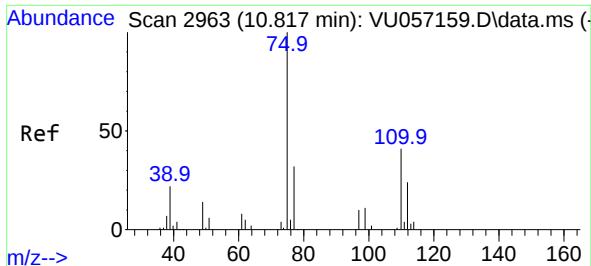
Tgt Ion:	75	Resp:	2238
Ion Ratio	Lower	Upper	
75	100		
77	38.6	21.8	40.4



#51
 Chlorobenzene
 Concen: 9.948 ug/L
 RT: 9.441 min Scan# 2535
 Delta R.T. 0.000 min
 Lab File: VU057179.D
 Acq: 22 Dec 2023 09:44

Tgt Ion:	112	Resp:	304113
Ion Ratio	Lower	Upper	
112	100		
114	31.7	22.7	42.1
77	63.4	52.2	78.2

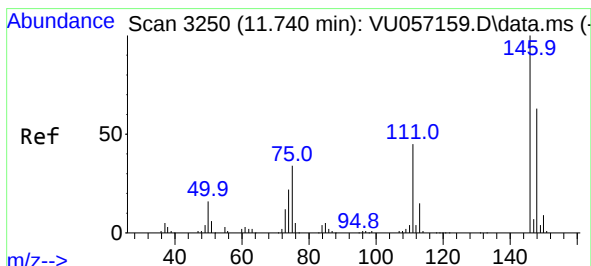
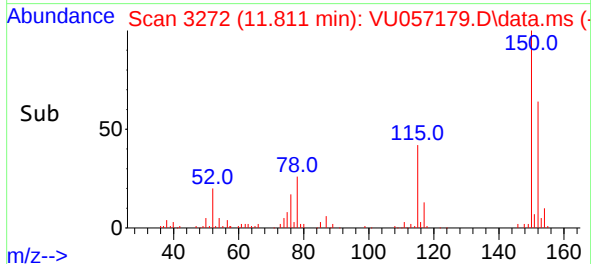
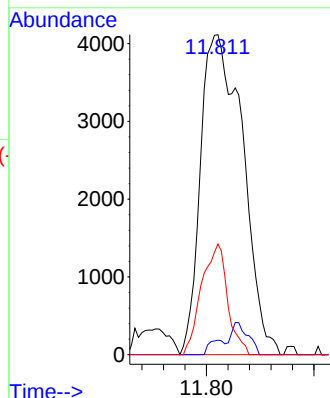
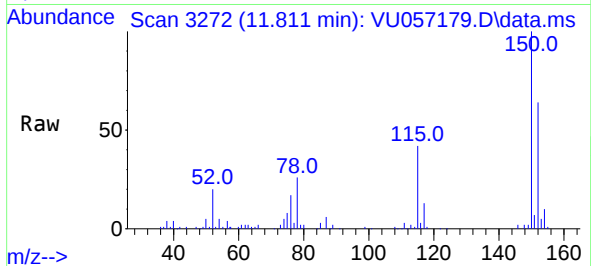




#61
1,2,3-Trichloropropane
Concen: 2.097 ug/L
RT: 11.811 min Scan# 311
Delta R.T. 0.994 min
Lab File: VU057179.D
Acq: 22 Dec 2023 09:44

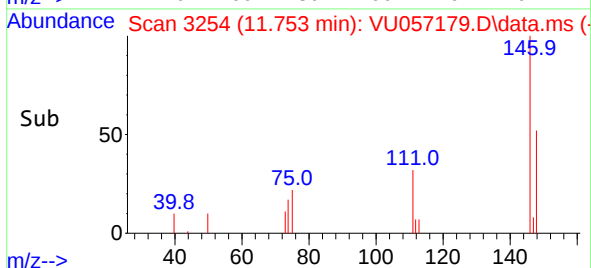
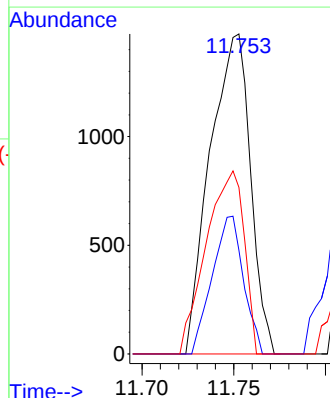
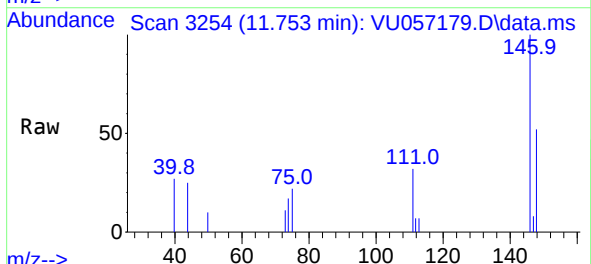
Instrument :
MSVOA_U
ClientSampleId :

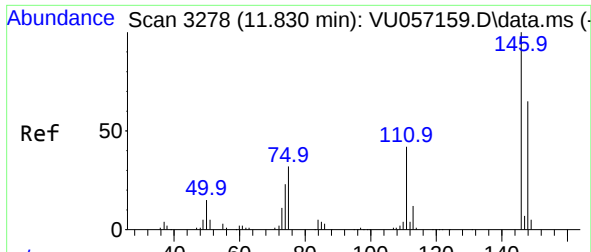
Tgt Ion: 75 Resp: 11196
Ion Ratio Lower Upper
75 100
110 1.7 31.2 46.8#
77 0.0 25.5 38.3#



#64
1,3-Dichlorobenzene
Concen: 0.113 ug/L
RT: 11.753 min Scan# 3254
Delta R.T. 0.013 min
Lab File: VU057179.D
Acq: 22 Dec 2023 09:44

Tgt Ion:146 Resp: 2251
Ion Ratio Lower Upper
146 100
111 32.4 30.4 56.4
148 52.0 43.4 80.6





#65

1,4-Dichlorobenzene

Concen: 0.643 ug/L

RT: 11.833 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057179.D

Acq: 22 Dec 2023 09:44

Instrument :

MSVOA_U

ClientSampleId :

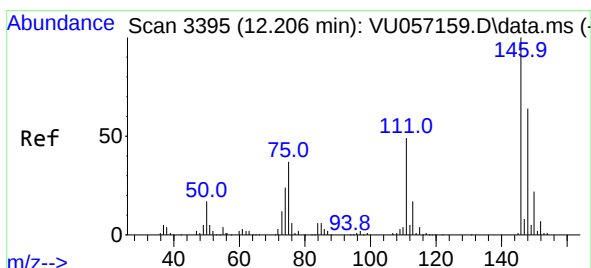
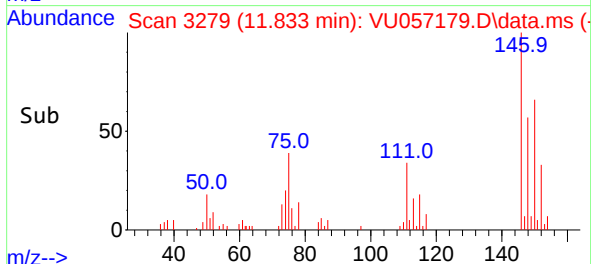
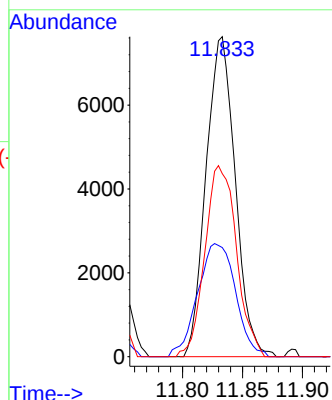
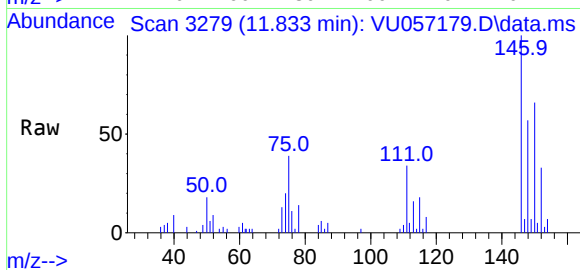
Tgt Ion:146 Resp: 12926

Ion Ratio Lower Upper

146 100

111 34.1 28.1 52.3

148 57.2 43.0 79.8



#67

1,2-Dichlorobenzene

Concen: 0.361 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU057179.D

Acq: 22 Dec 2023 09:44

Tgt Ion:146 Resp: 6446

Ion Ratio Lower Upper

146 100

111 55.4 37.9 56.9

148 59.1 50.1 75.1

