

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121623\
 Data File : VU056954.D
 Acq On : 17 Dec 2023 04:17
 Operator : MD/SY
 Sample : 05811-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F7B34

Quant Time: Dec 18 00:36:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Dec 18 00:34:01 2023
 Response via : Initial Calibration

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

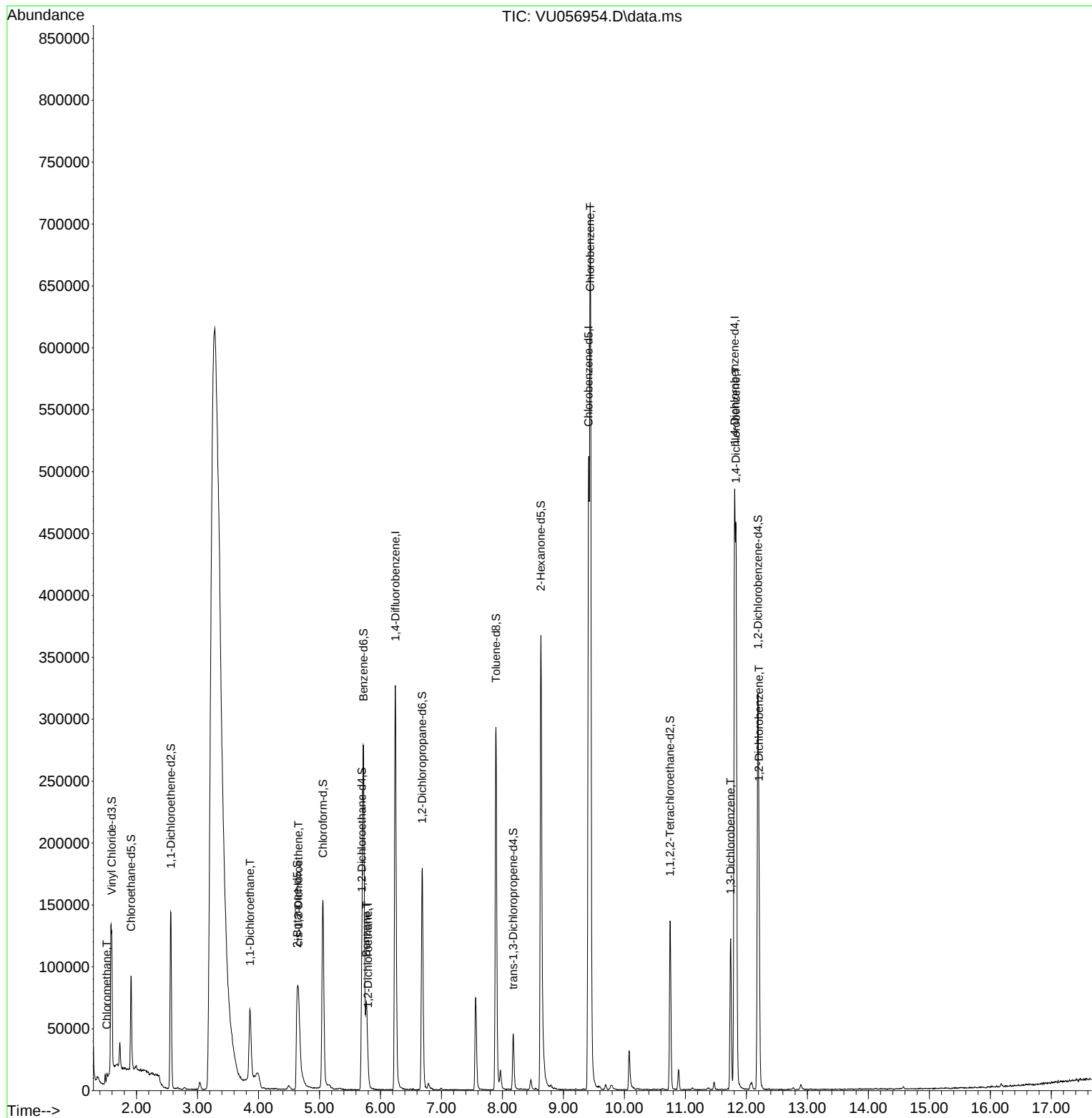
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	265827	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	274198	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	119725	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	60507	2.655	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	53.200%	
7) Chloroethane-d5	1.911	69	57795	3.390	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	67.800%	
11) 1,1-Dichloroethene-d2	2.563	65	26880	2.757	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	55.200%#	
20) 2-Butanone-d5	4.634	46	174706	38.825	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	77.640%	
24) Chloroform-d	5.058	84	146970	3.406	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	68.200%#	
26) 1,2-Dichloroethane-d4	5.695	65	72589	3.555	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	71.200%	
32) Benzene-d6	5.721	84	264725	3.113	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	62.200%#	
36) 1,2-Dichloropropane-d6	6.685	67	86958	3.267	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	65.400%	
41) Toluene-d8	7.894	98	203170	2.673	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	53.400%#	
43) trans-1,3-Dichloroprop...	8.177	79	26985	2.614	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	52.200%#	
46) 2-Hexanone-d5	8.631	63	127643	32.783	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	65.560%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	69705	3.619	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	72.400%	
66) 1,2-Dichlorobenzene-d4	12.190	152	74477	3.165	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	63.200%#	
Target Compounds						
3) Chloromethane	1.515	50	3937	0.144	ug/L #	78
19) 1,1-Dichloroethane	3.862	63	67122	1.595	ug/L	96
22) cis-1,2-Dichloroethene	4.656	96	14524	0.610	ug/L	99
27) 1,2-Dichloroethane	5.795	62	10771	0.413	ug/L #	94
33) Benzene	5.769	78	65087	0.675	ug/L	100
51) Chlorobenzene	9.441	112	381685	6.006	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	50221	1.122	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	162876	3.697	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	53350	1.309	ug/L	96

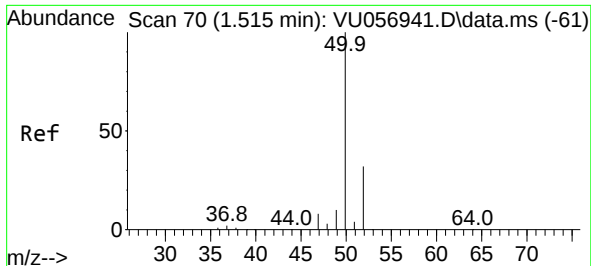
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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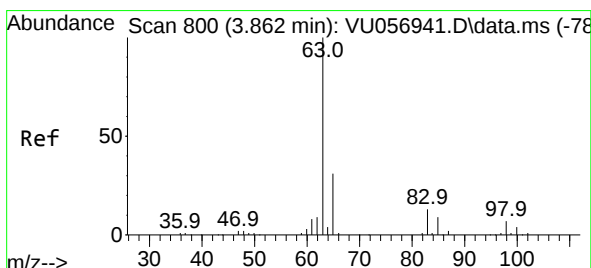
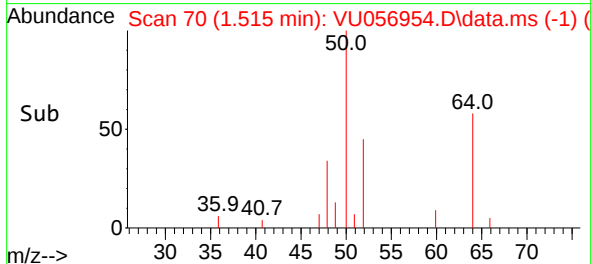
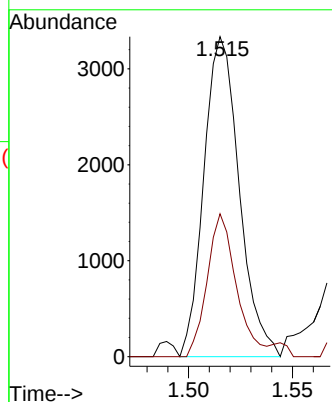
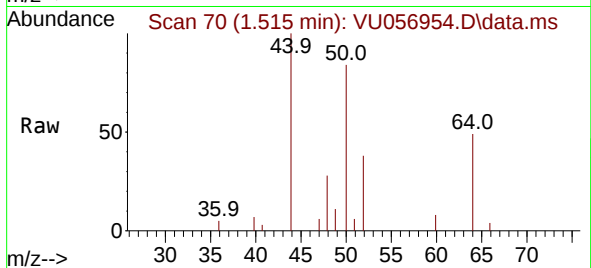




#3
Chloromethane
Concen: 0.144 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

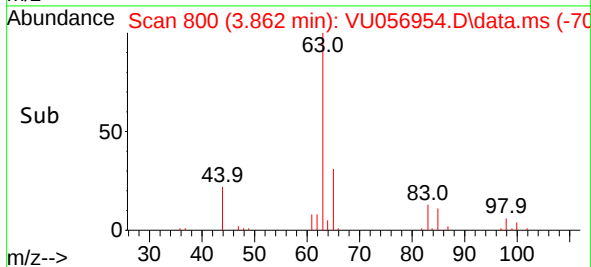
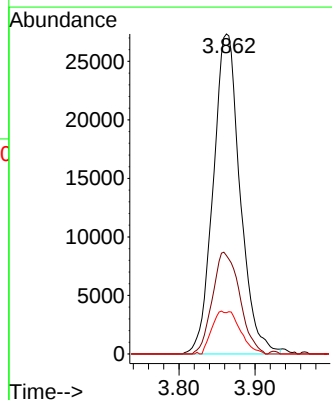
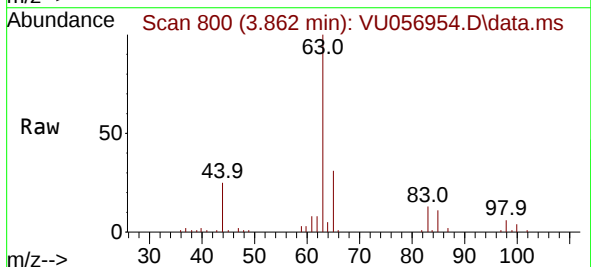
Instrument :
MSVOA_U
ClientSampleId :
F7B34

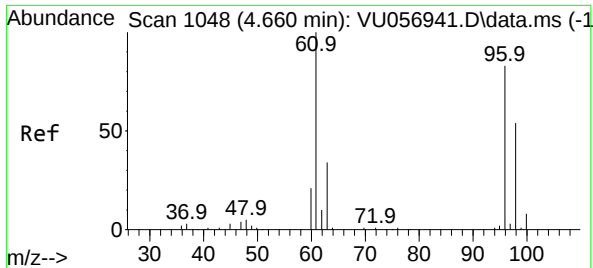
Tgt Ion: 50 Resp: 3937
Ion Ratio Lower Upper
50 100
52 44.6 22.5 41.7#



#19
1,1-Dichloroethane
Concen: 1.595 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

Tgt Ion: 63 Resp: 67122
Ion Ratio Lower Upper
63 100
65 30.8 22.9 42.5
83 12.9 10.1 18.9



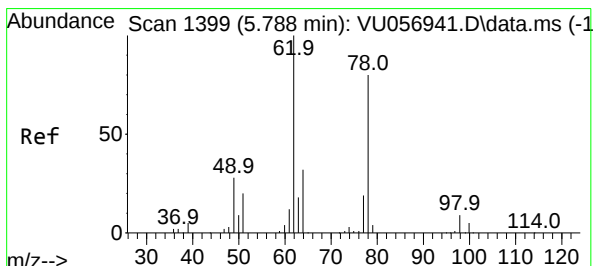
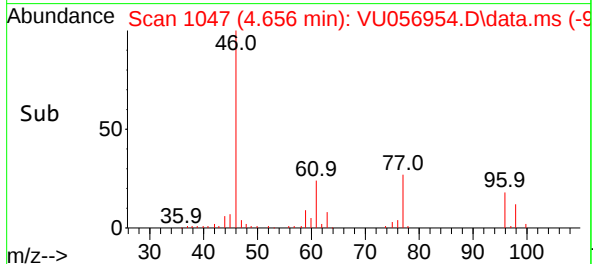
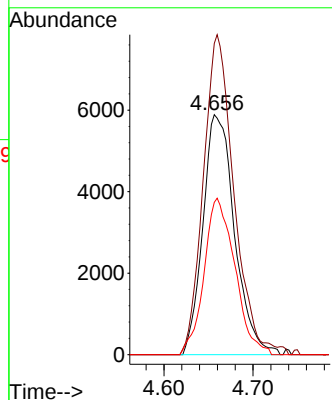
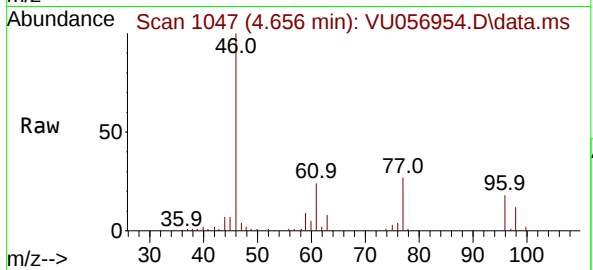


#22
 cis-1,2-Dichloroethene
 Concen: 0.610 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU056954.D
 Acq: 17 Dec 2023 04:17

Instrument :
 MSVOA_U
 ClientSampleId :
 F7B34

Tgt Ion: 96 Resp: 14524

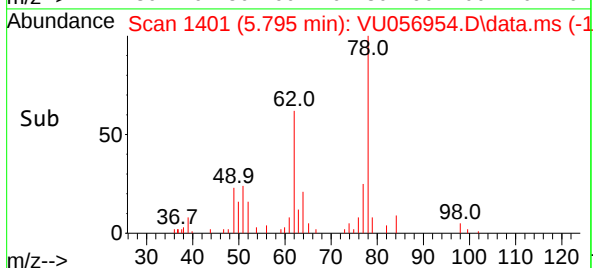
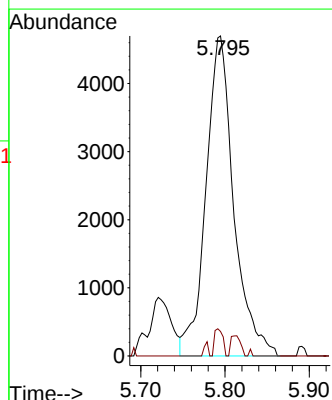
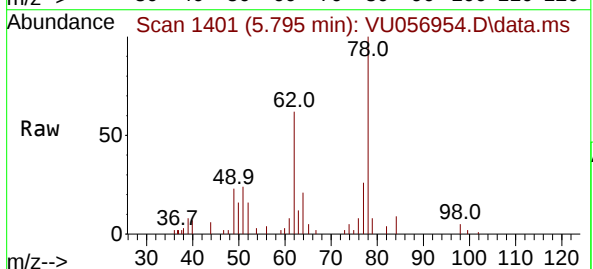
Ion	Ratio	Lower	Upper
96	100		
61	129.7	91.3	169.6
98	63.5	44.2	82.0

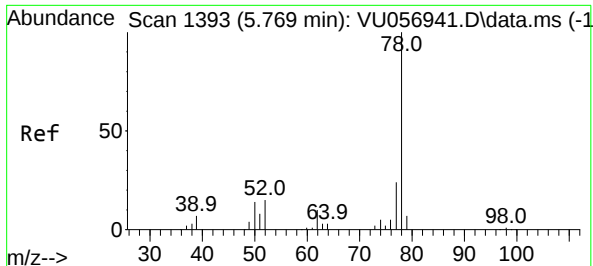


#27
 1,2-Dichloroethane
 Concen: 0.413 ug/L
 RT: 5.795 min Scan# 1401
 Delta R.T. 0.006 min
 Lab File: VU056954.D
 Acq: 17 Dec 2023 04:17

Tgt Ion: 62 Resp: 10771

Ion	Ratio	Lower	Upper
62	100		
98	7.6	7.8	11.6#





#33

Benzene

Concen: 0.675 ug/L

RT: 5.769 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056954.D

Acq: 17 Dec 2023 04:17

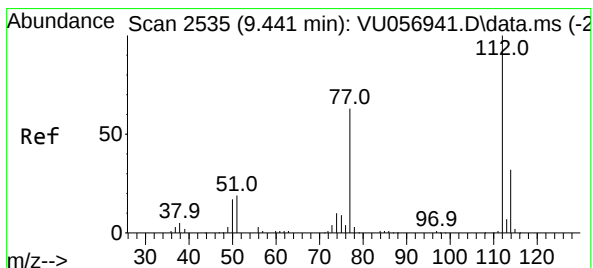
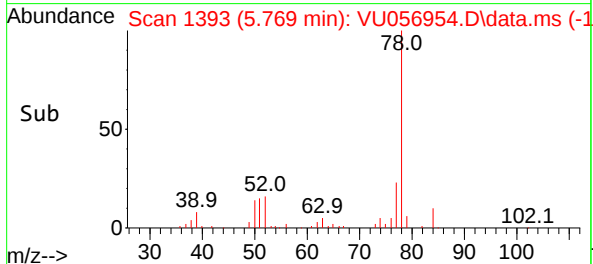
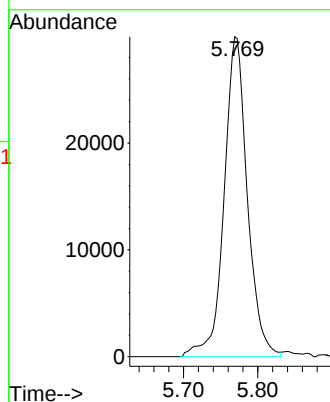
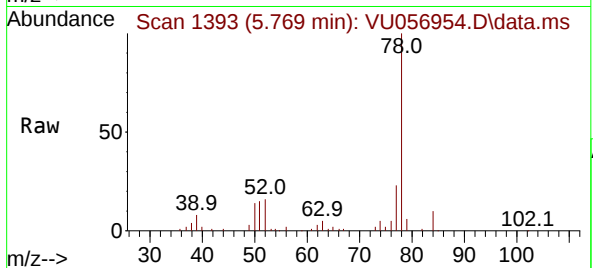
Instrument :

MSVOA_U

ClientSampleId :

F7B34

Tgt Ion: 78 Resp: 65087



#51

Chlorobenzene

Concen: 6.006 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU056954.D

Acq: 17 Dec 2023 04:17

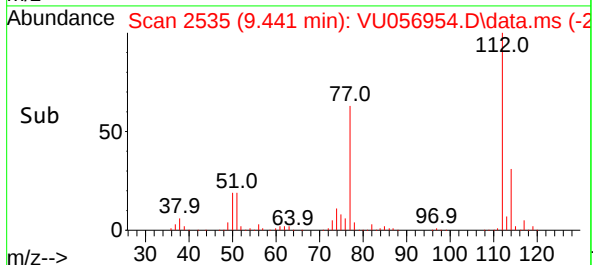
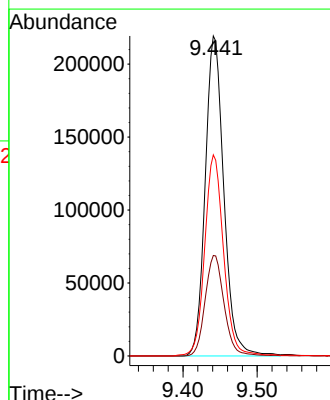
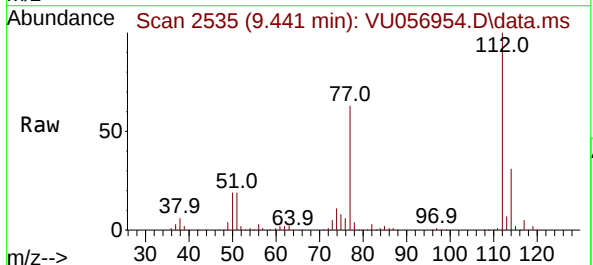
Tgt Ion: 112 Resp: 381685

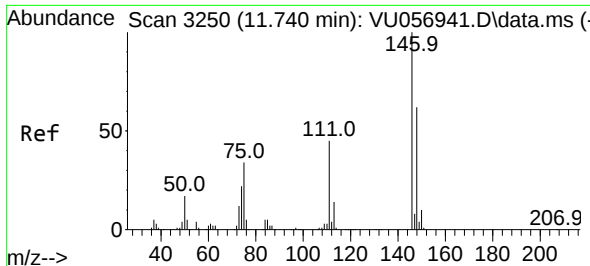
Ion Ratio Lower Upper

112 100

114 31.4 21.9 40.7

77 62.9 51.6 77.4

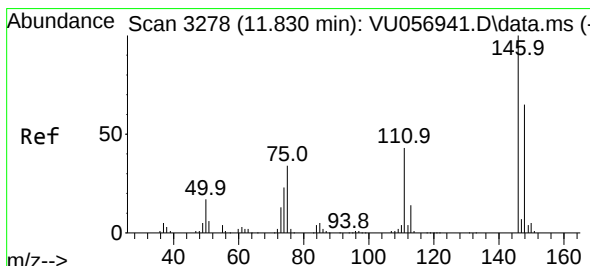
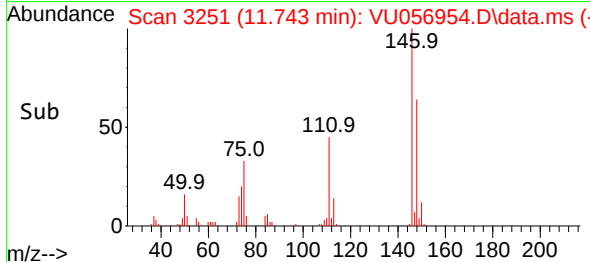
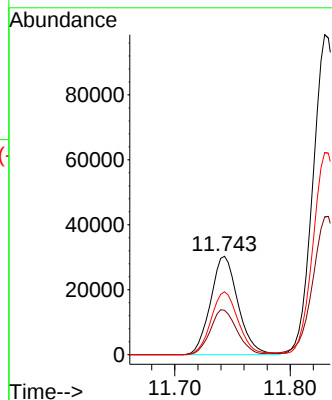
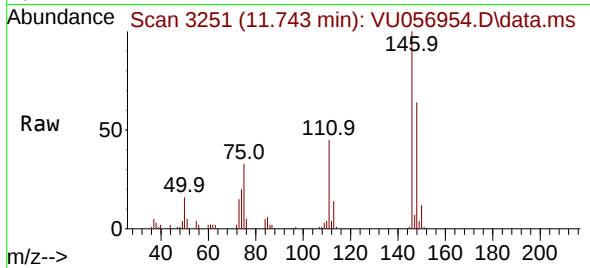




#64
1,3-Dichlorobenzene
Concen: 1.122 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

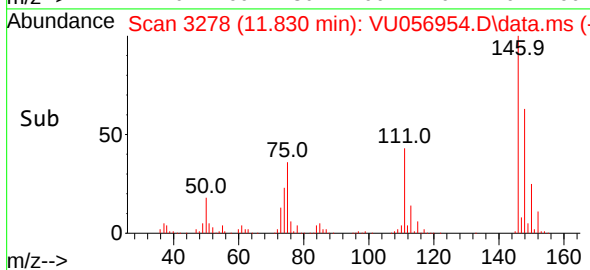
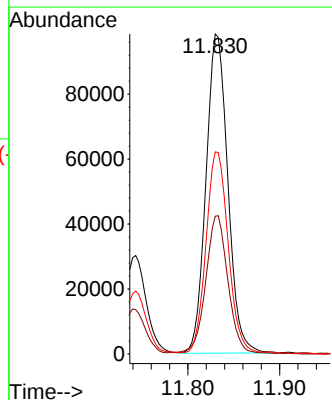
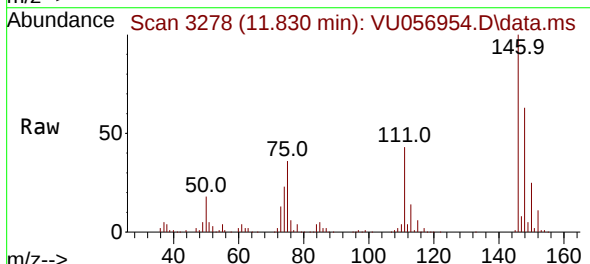
Instrument :
MSVOA_U
ClientSampleId :
F7B34

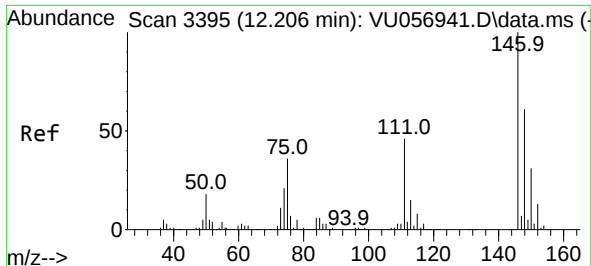
Tgt Ion:146 Resp: 50221
Ion Ratio Lower Upper
146 100
111 45.1 31.7 58.9
148 63.8 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 3.697 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056954.D
Acq: 17 Dec 2023 04:17

Tgt Ion:146 Resp: 162876
Ion Ratio Lower Upper
146 100
111 43.0 31.2 58.0
148 63.1 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 1.309 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056954.D

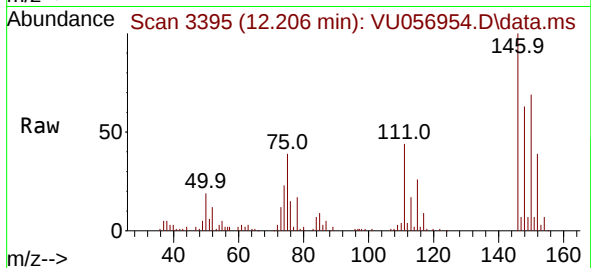
Acq: 17 Dec 2023 04:17

Instrument :

MSVOA_U

ClientSampleId :

F7B34



Tgt Ion:146 Resp: 53350

Ion Ratio Lower Upper

146 100

111 44.2 36.9 55.3

148 62.8 53.0 79.4

