

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055622.D
 Acq On : 02 Oct 2023 22:59
 Operator : MD/SY
 Sample : 04679-25
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2(20230928)

Quant Time: Oct 03 06:24:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 03 06:03:59 2023
 Response via : Initial Calibration

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

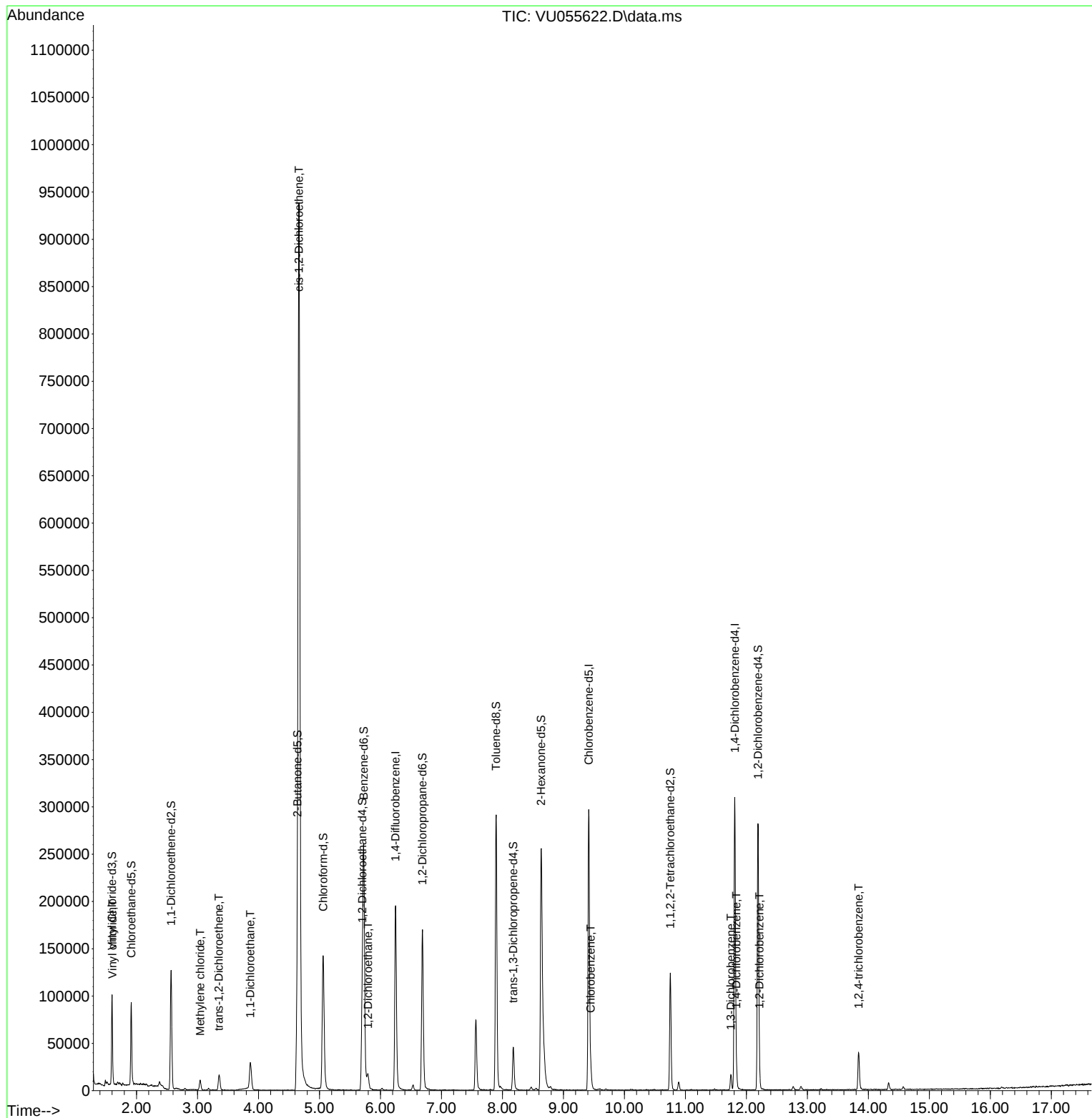
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	159516	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	163650	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	80528	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	60312	3.741	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	74.800%	
7) Chloroethane-d5	1.914	69	59223	4.168	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	83.400%	
11) 1,1-Dichloroethene-d2	2.567	65	23540	3.547	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	71.000%	
20) 2-Butanone-d5	4.637	46	164440	56.469	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	112.940%	
24) Chloroform-d	5.062	84	133081	4.564	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.200%	
26) 1,2-Dichloroethane-d4	5.702	65	65859	4.695	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	94.000%	
32) Benzene-d6	5.724	84	247175	4.318	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	86.400%	
36) 1,2-Dichloropropane-d6	6.689	67	79916	4.673	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	93.400%	
41) Toluene-d8	7.898	98	201406	3.860	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	77.200%	
43) trans-1,3-Dichloroprop...	8.177	79	27107	4.516	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	90.400%	
46) 2-Hexanone-d5	8.634	63	83874	45.943	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	91.880%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	62243	4.856	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	97.200%	
66) 1,2-Dichlorobenzene-d4	12.190	152	73470	4.520	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	90.400%	
Target Compounds						Qvalue
5) Vinyl chloride	1.605	62	8035	0.545	ug/L	91
16) Methylene chloride	3.046	84	4687	0.351	ug/L	90
18) trans-1,2-Dichloroethene	3.351	96	6818	0.607	ug/L	95
19) 1,1-Dichloroethane	3.866	63	33192	1.597	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	478881	36.744	ug/L	98
27) 1,2-Dichloroethane	5.795	62	11156	0.826	ug/L #	93
51) Chlorobenzene	9.447	112	12701	0.395	ug/L	96
64) 1,3-Dichlorobenzene	11.746	146	6622	0.298	ug/L	94
65) 1,4-Dichlorobenzene	11.836	146	6267	0.282	ug/L	93
67) 1,2-Dichlorobenzene	12.216	146	4022	0.197	ug/L #	91
70) 1,2,4-trichlorobenzene	13.843	180	13372	1.146	ug/L	98

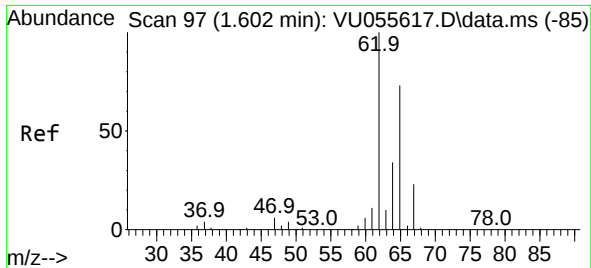
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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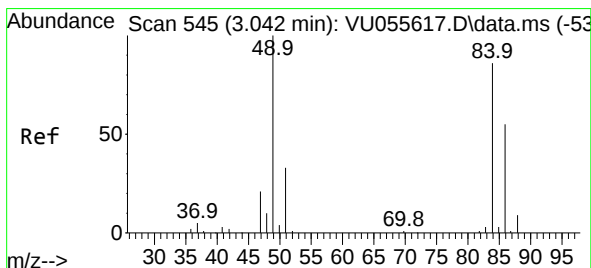
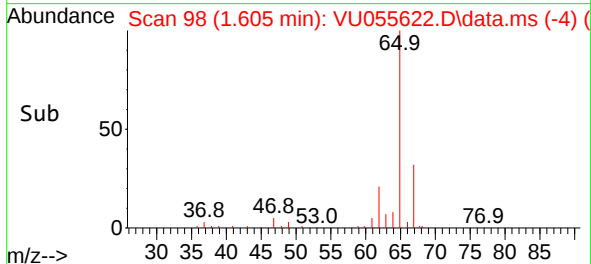
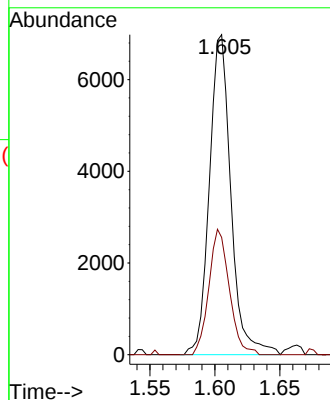
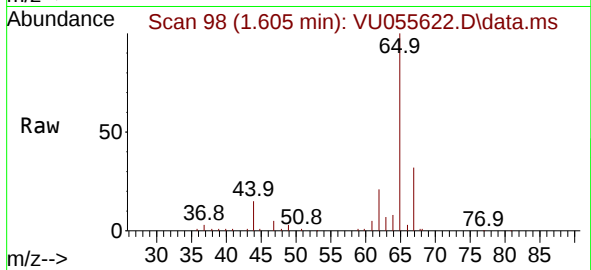




#5
 Vinyl chloride
 Concen: 0.545 ug/L
 RT: 1.605 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU055622.D
 Acq: 02 Oct 2023 22:59

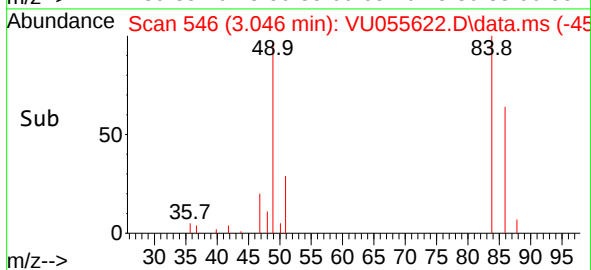
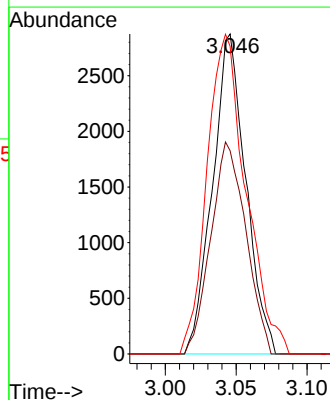
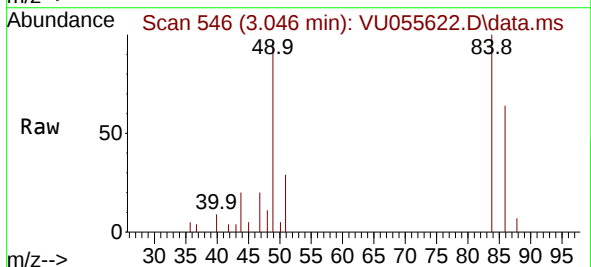
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2(20230928)

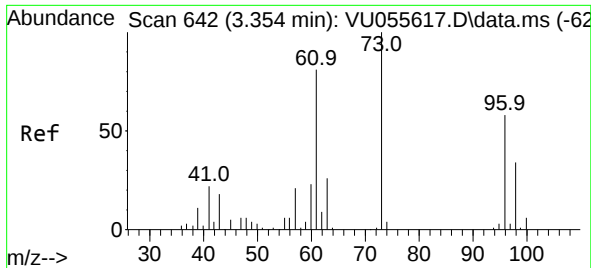
Tgt Ion: 62 Resp: 8035
 Ion Ratio Lower Upper
 62 100
 64 36.6 22.3 41.5



#16
 Methylene chloride
 Concen: 0.351 ug/L
 RT: 3.046 min Scan# 546
 Delta R.T. 0.003 min
 Lab File: VU055622.D
 Acq: 02 Oct 2023 22:59

Tgt Ion: 84 Resp: 4687
 Ion Ratio Lower Upper
 84 100
 86 63.5 44.9 83.3
 49 96.1 78.8 146.3

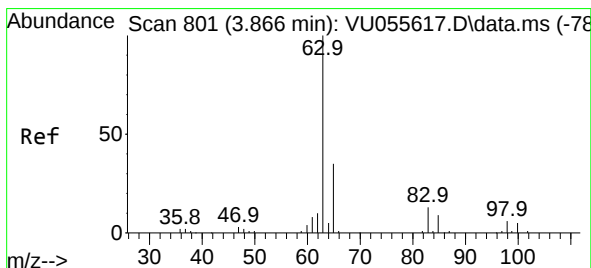
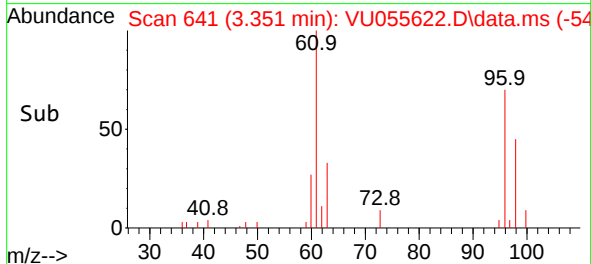
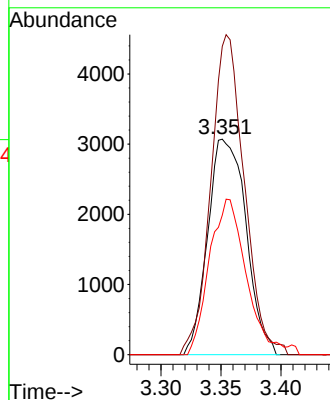
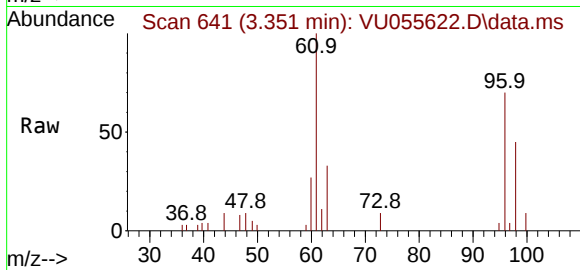




#18
trans-1,2-Dichloroethene
Concen: 0.607 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

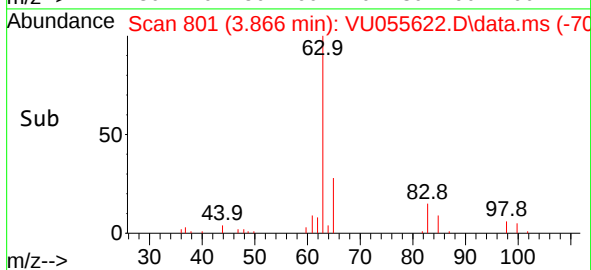
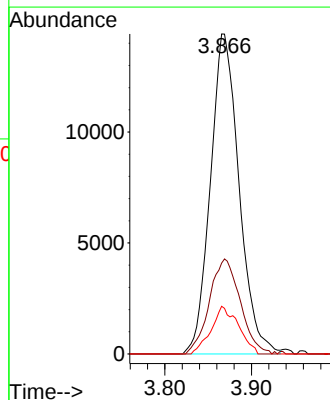
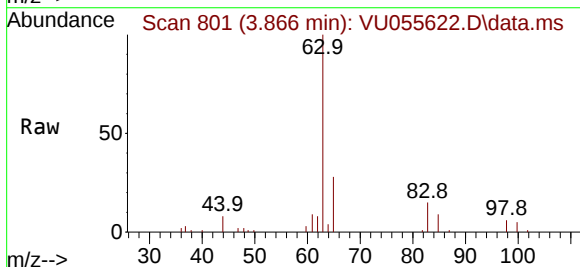
Instrument :
MSVOA_U
ClientSampleId :
MW-2(20230928)

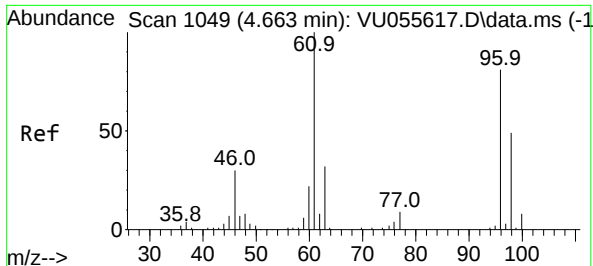
Tgt Ion: 96 Resp: 6818
Ion Ratio Lower Upper
96 100
61 143.0 94.6 175.6
98 64.7 45.7 84.9



#19
1,1-Dichloroethane
Concen: 1.597 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

Tgt Ion: 63 Resp: 33192
Ion Ratio Lower Upper
63 100
65 28.4 22.0 41.0
83 14.9 10.1 18.9



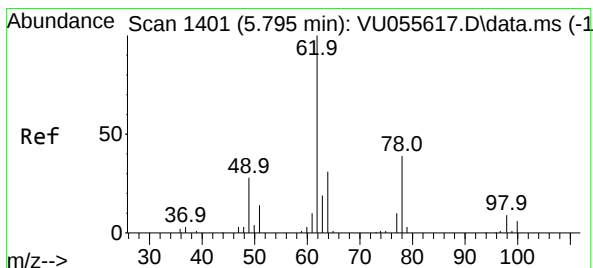
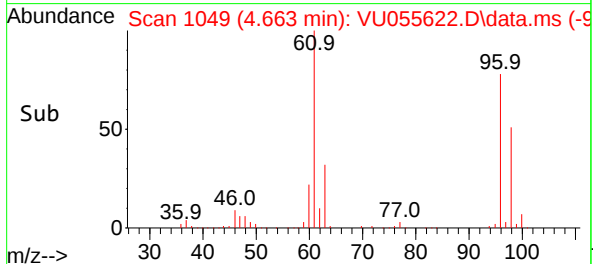
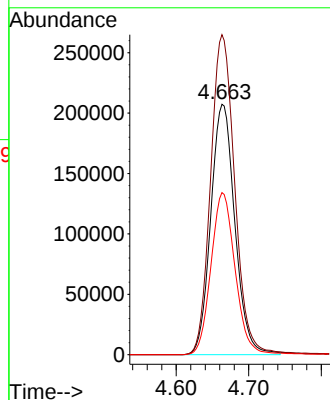
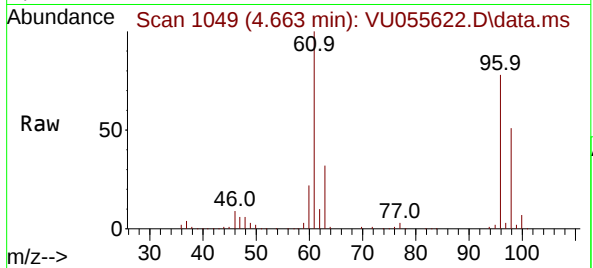


#22
 cis-1,2-Dichloroethene
 Concen: 36.744 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU055622.D
 Acq: 02 Oct 2023 22:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2(20230928)

Tgt Ion: 96 Resp: 478881

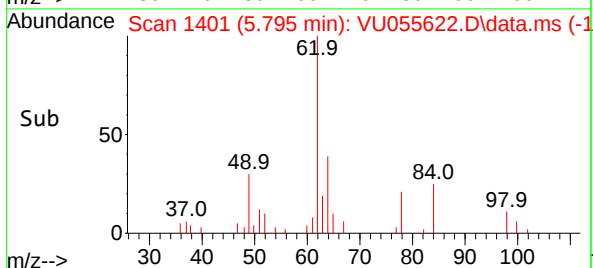
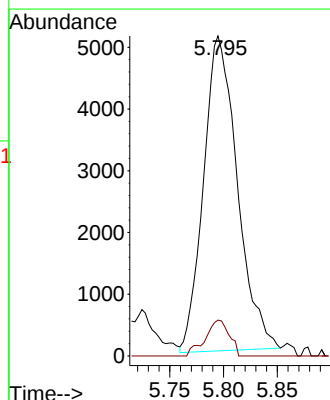
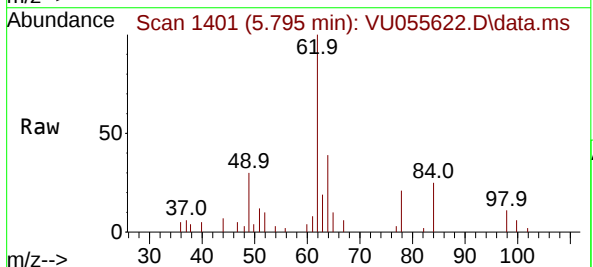
Ion	Ratio	Lower	Upper
96	100		
61	127.8	87.8	163.2
98	64.7	44.4	82.4

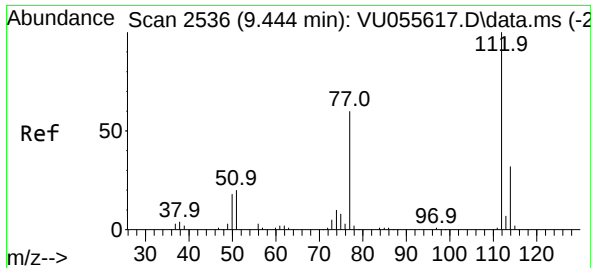


#27
 1,2-Dichloroethane
 Concen: 0.826 ug/L
 RT: 5.795 min Scan# 1401
 Delta R.T. 0.000 min
 Lab File: VU055622.D
 Acq: 02 Oct 2023 22:59

Tgt Ion: 62 Resp: 11156

Ion	Ratio	Lower	Upper
62	100		
98	11.2	7.0	10.4#

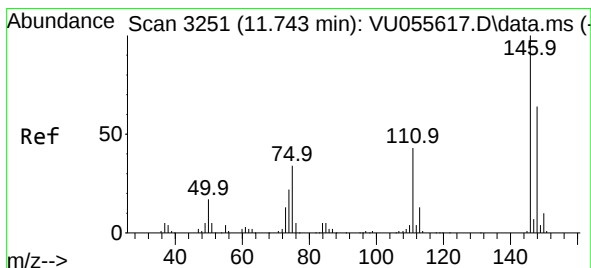
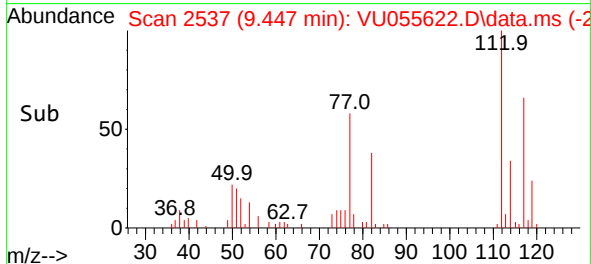
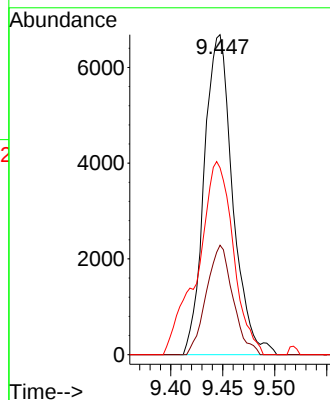
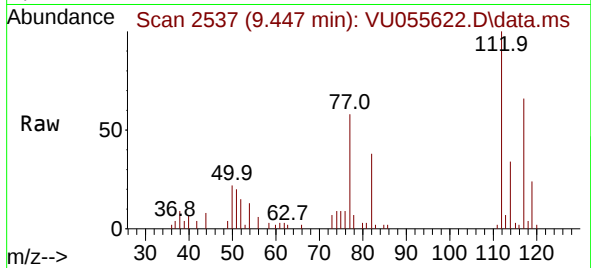




#51
Chlorobenzene
Concen: 0.395 ug/L
RT: 9.447 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

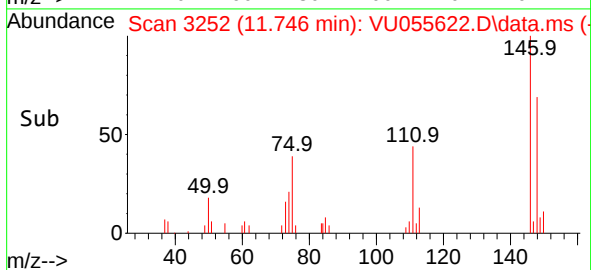
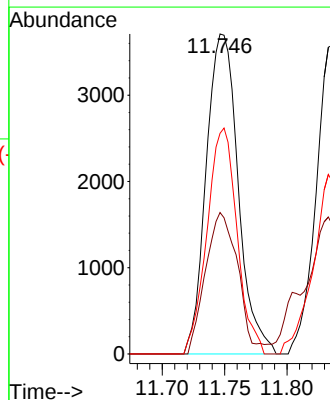
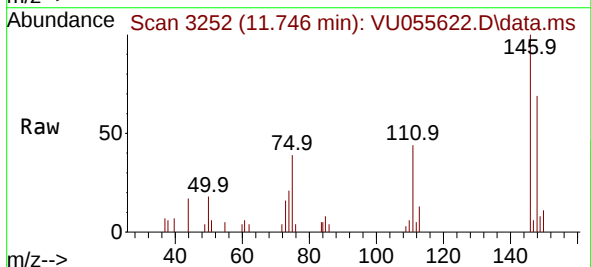
Instrument :
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ClientSampleId :
MW-2(20230928)

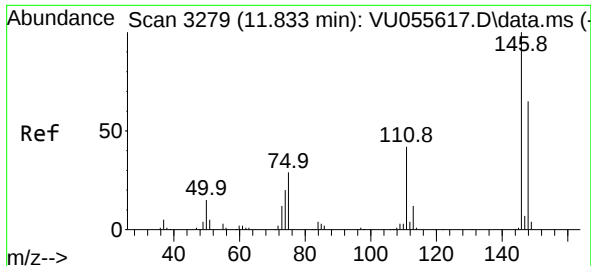
Tgt Ion:	112	Resp:	12701
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.0	40.8
77	54.4	46.9	70.3



#64
1,3-Dichlorobenzene
Concen: 0.298 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

Tgt Ion:	146	Resp:	6622
Ion	Ratio	Lower	Upper
146	100		
111	44.2	28.8	53.6
148	68.9	44.6	82.8

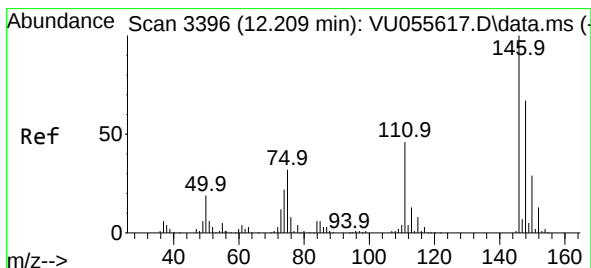
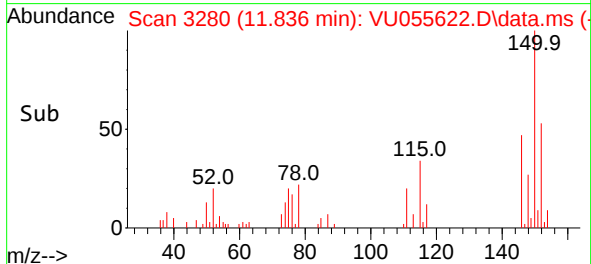
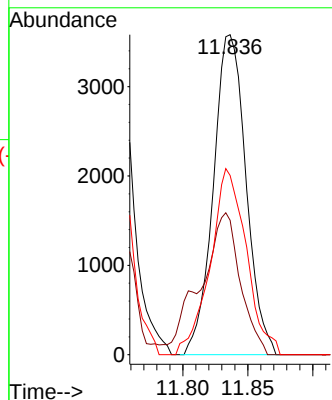
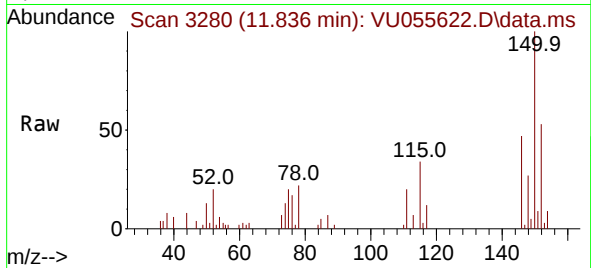




#65
1,4-Dichlorobenzene
Concen: 0.282 ug/L
RT: 11.836 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

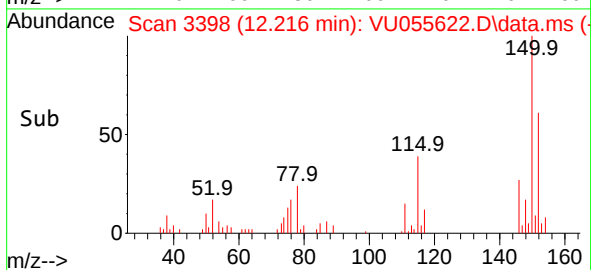
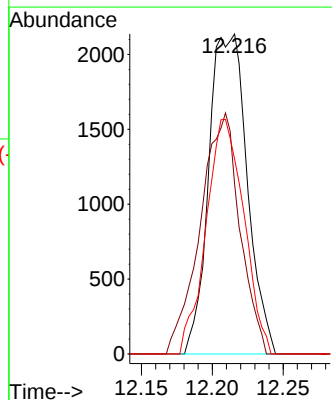
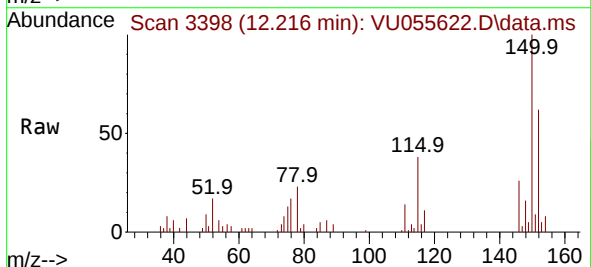
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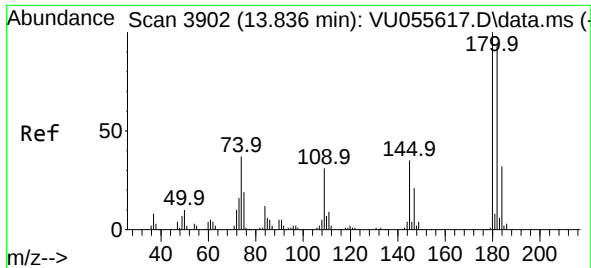
Tgt Ion:146 Resp: 6267
Ion Ratio Lower Upper
146 100
111 42.0 29.0 53.8
148 56.0 45.4 84.4



#67
1,2-Dichlorobenzene
Concen: 0.197 ug/L
RT: 12.216 min Scan# 3398
Delta R.T. 0.006 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

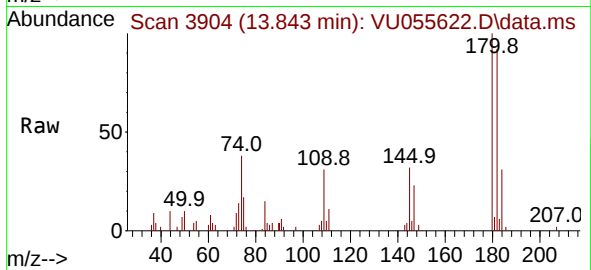
Tgt Ion:146 Resp: 4022
Ion Ratio Lower Upper
146 100
111 53.2 34.6 52.0#
148 60.9 51.8 77.8





#70
 1,2,4-trichlorobenzene
 Concen: 1.146 ug/L
 RT: 13.843 min Scan# 3904
 Delta R.T. 0.006 min
 Lab File: VU055622.D
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Tgt Ion:	180	Resp:	13372
Ion Ratio	Lower	Upper	
180	100		
182	97.4	76.4	114.6
145	32.5	25.4	38.0

