

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058408.D
 Acq On : 05 Apr 2024 10:32
 Operator : MD/SY
 Sample : P1925-14 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-8D(20240327)

Quant Time: Apr 05 23:33:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 05 23:33:02 2024
 Response via : Initial Calibration

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

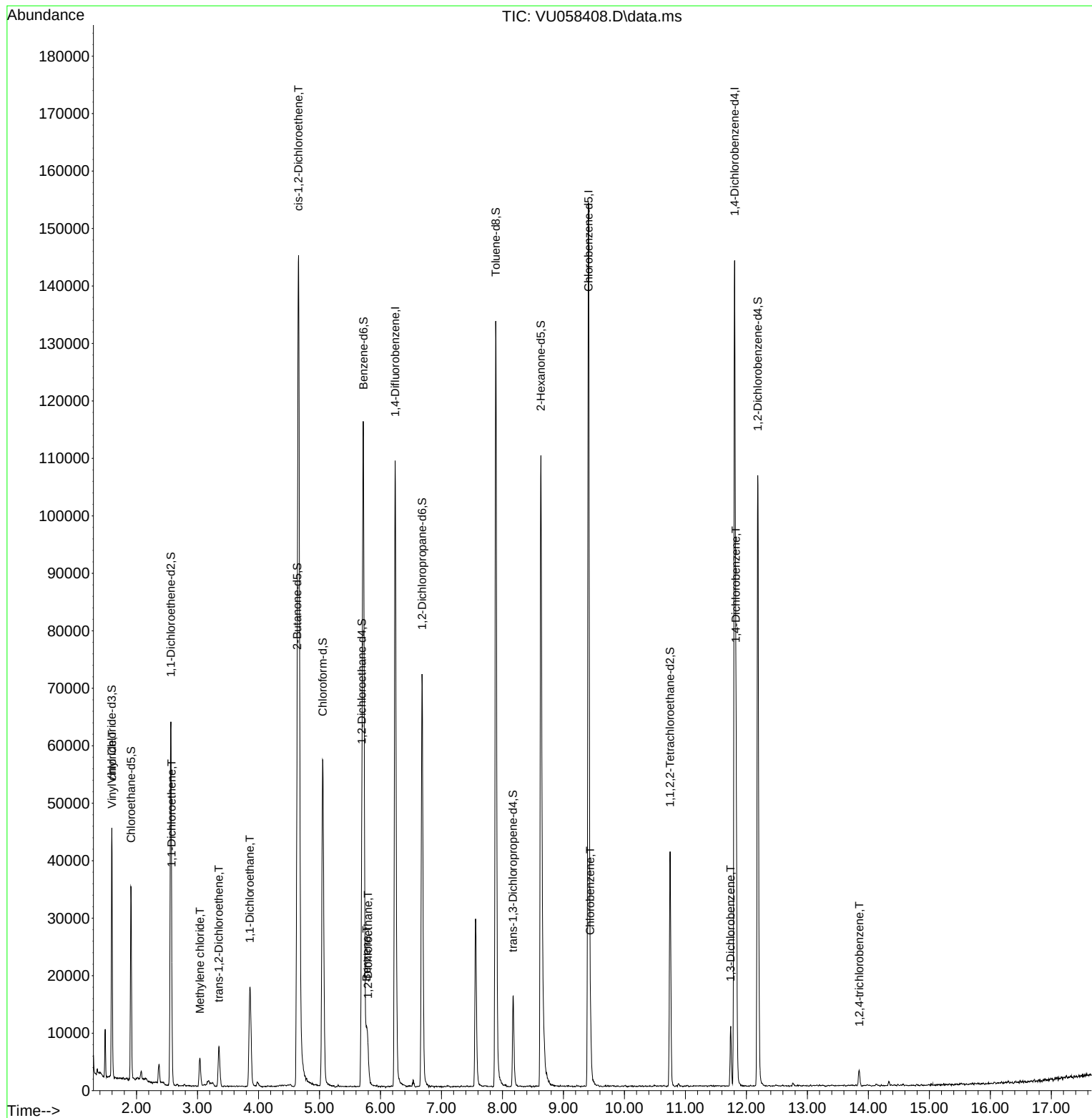
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	87751	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	83208	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	36616	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	25871	4.453	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	89.000%	
7) Chloroethane-d5	1.911	69	23901	4.734	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	94.600%	
11) 1,1-Dichloroethene-d2	2.563	65	12226	4.649	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	93.000%	
20) 2-Butanone-d5	4.634	46	59419	48.532	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	97.060%	
24) Chloroform-d	5.055	84	53538	4.616	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	92.400%	
26) 1,2-Dichloroethane-d4	5.695	65	27118	5.010	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.200%	
32) Benzene-d6	5.721	84	106889	4.771	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.400%	
36) 1,2-Dichloropropane-d6	6.682	67	34110	4.855	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	97.200%	
41) Toluene-d8	7.891	98	90214	4.541	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.800%	
43) trans-1,3-Dichloroprop...	8.174	79	9361	4.293	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	85.800%	
46) 2-Hexanone-d5	8.631	63	38948	43.302	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	86.600%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	21287	4.292	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	85.800%	
66) 1,2-Dichlorobenzene-d4	12.187	152	28262	4.583	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	91.600%	
Target Compounds						
5) Vinyl chloride	1.599	62	4520	0.506	ug/L	93
12) 1,1-Dichloroethene	2.576	96	1073	0.173	ug/L #	1
16) Methylene chloride	3.039	84	2366	0.287	ug/L	91
18) trans-1,2-Dichloroethene	3.351	96	2784	0.427	ug/L	95
19) 1,1-Dichloroethane	3.859	63	21782	1.531	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	64935	8.872	ug/L	100
27) 1,2-Dichloroethane	5.795	62	4932	0.588	ug/L	99
33) Benzene	5.772	78	6981	0.231	ug/L	100
51) Chlorobenzene	9.441	112	4788	0.250	ug/L	95
64) 1,3-Dichlorobenzene	11.743	146	4194	0.322	ug/L	84
65) 1,4-Dichlorobenzene	11.830	146	21874	1.724	ug/L	98
70) 1,2,4-trichlorobenzene	13.852	180	1572	0.212	ug/L #	83

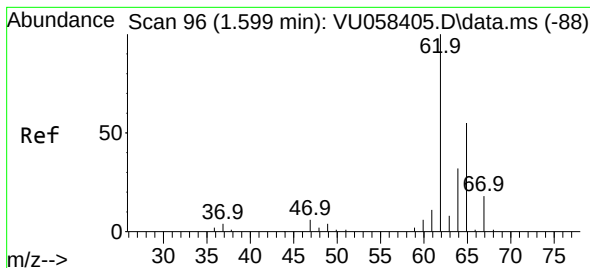
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.506 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

Instrument :

MSVOA_U

ClientSampleId :

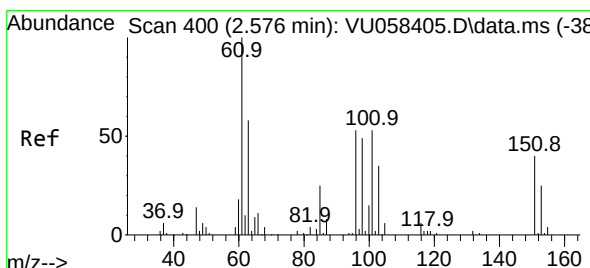
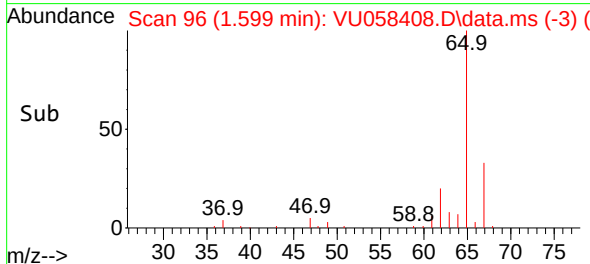
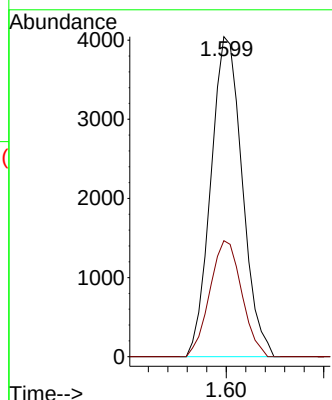
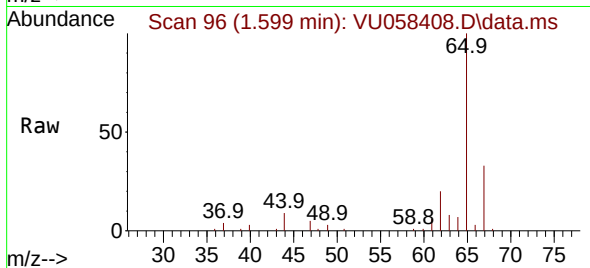
PMW-8D(20240327)

Tgt Ion: 62 Resp: 4520

Ion Ratio Lower Upper

62 100

64 36.3 22.6 42.0



#12

1,1-Dichloroethene

Concen: 0.173 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

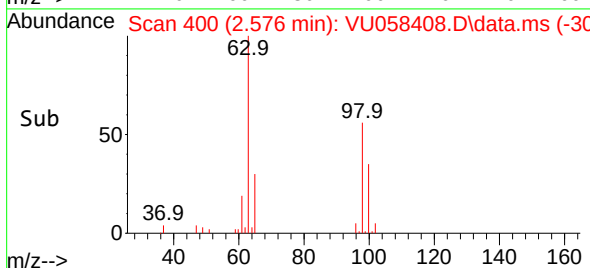
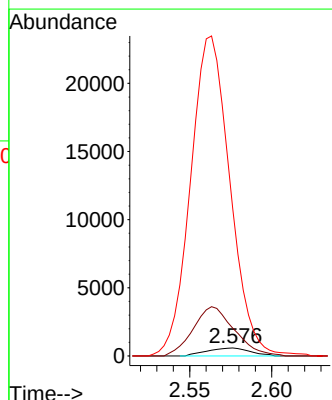
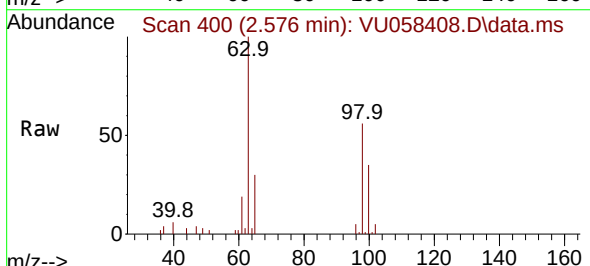
Tgt Ion: 96 Resp: 1073

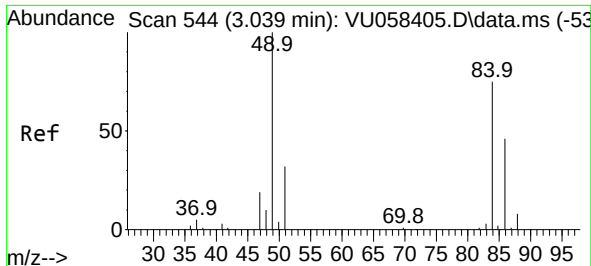
Ion Ratio Lower Upper

96 100

61 348.9 132.5 246.1#

63 1855.2 87.7 162.9#

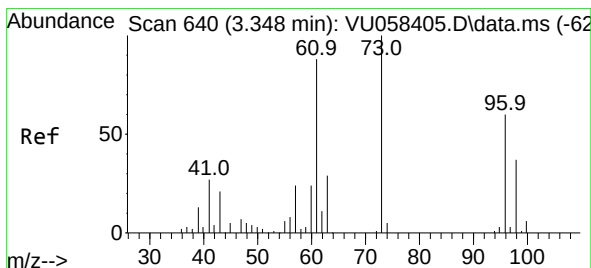
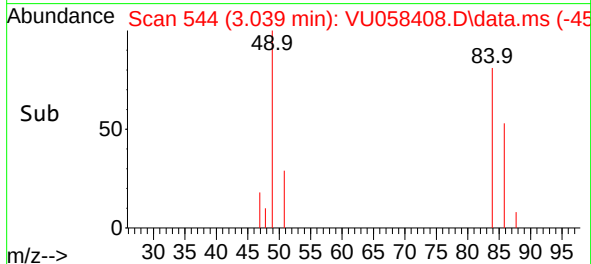
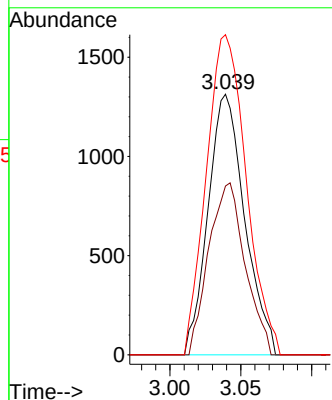
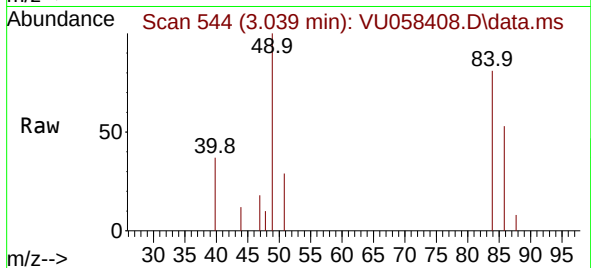




#16
Methylene chloride
Concen: 0.287 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU058408.D
Acq: 05 Apr 2024 10:32

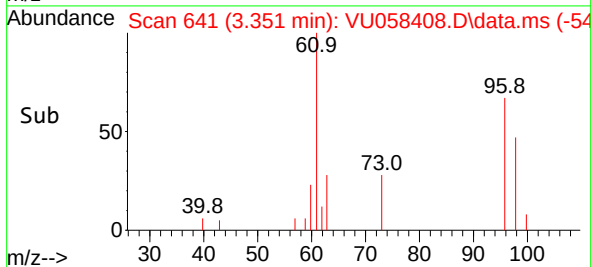
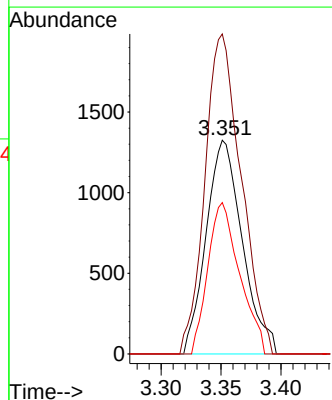
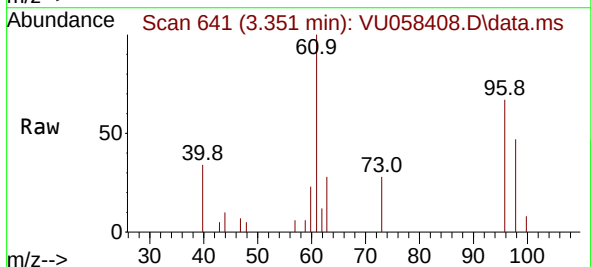
Instrument :
MSVOA_U
ClientSampleId :
PMW-8D(20240327)

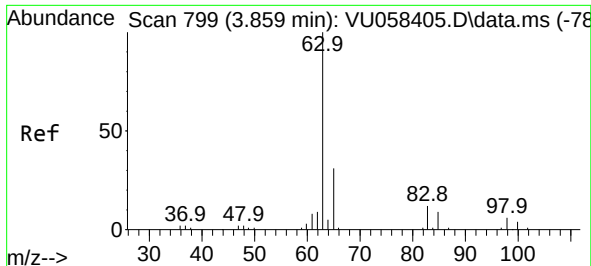
Tgt Ion: 84 Resp: 2366
Ion Ratio Lower Upper
84 100
86 64.8 44.3 82.3
49 122.8 96.0 178.2



#18
trans-1,2-Dichloroethene
Concen: 0.427 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU058408.D
Acq: 05 Apr 2024 10:32

Tgt Ion: 96 Resp: 2784
Ion Ratio Lower Upper
96 100
61 149.7 107.6 199.8
98 70.8 45.1 83.7





#19

1,1-Dichloroethane

Concen: 1.531 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

Instrument :

MSVOA_U

ClientSampleId :

PMW-8D(20240327)

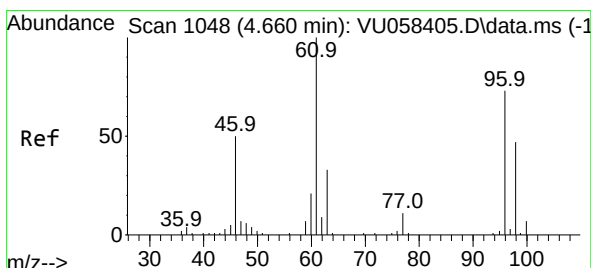
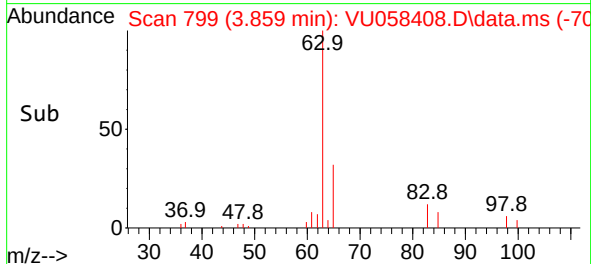
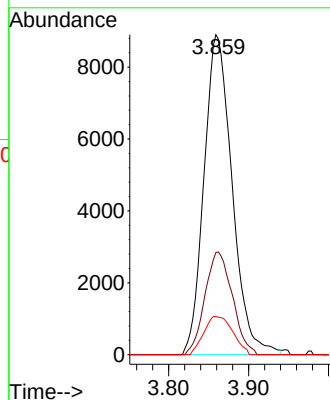
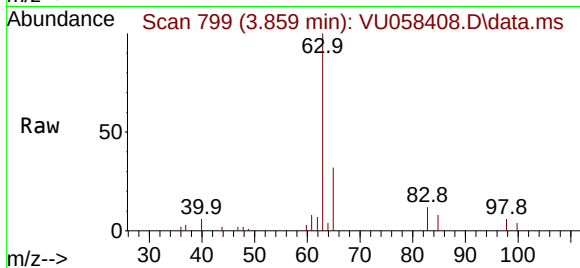
Tgt Ion: 63 Resp: 21782

Ion Ratio Lower Upper

63 100

65 32.0 22.9 42.5

83 11.9 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 8.872 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

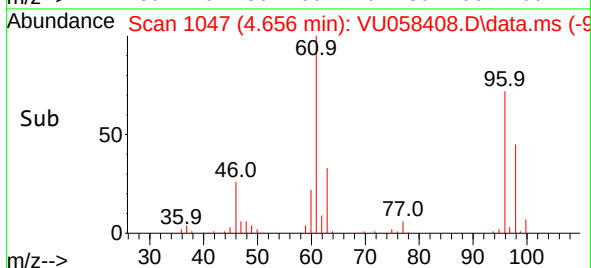
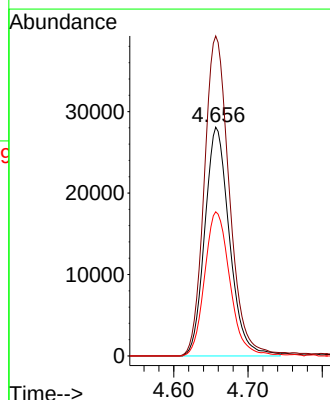
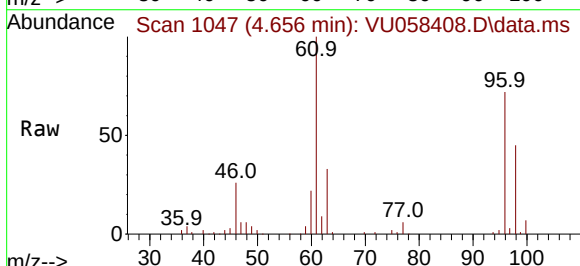
Tgt Ion: 96 Resp: 64935

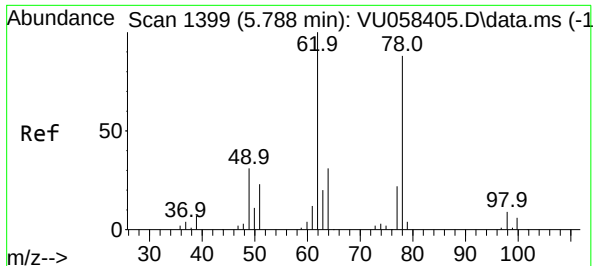
Ion Ratio Lower Upper

96 100

61 139.8 98.1 182.3

98 63.0 43.6 81.0

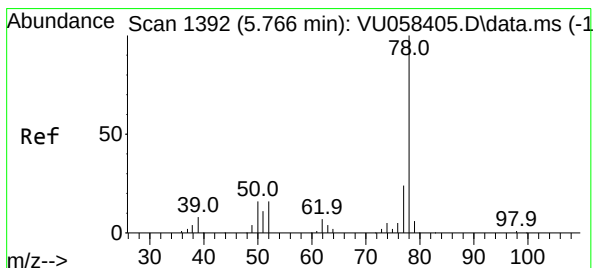
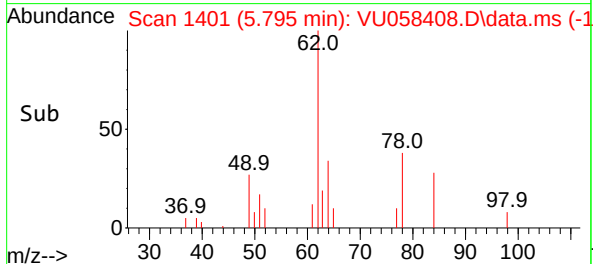
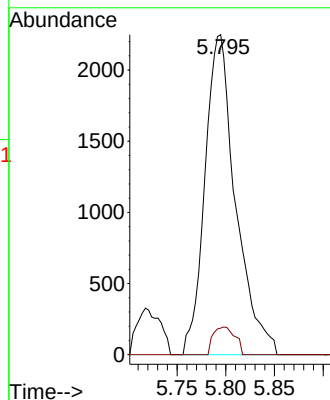
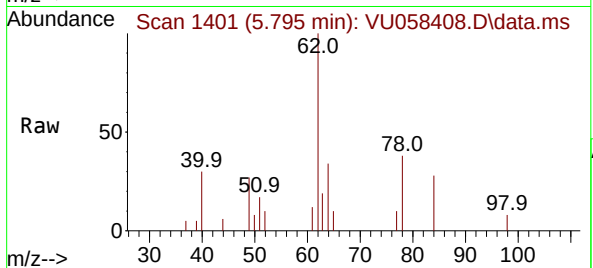




#27
1,2-Dichloroethane
Concen: 0.588 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.006 min
Lab File: VU058408.D
Acq: 05 Apr 2024 10:32

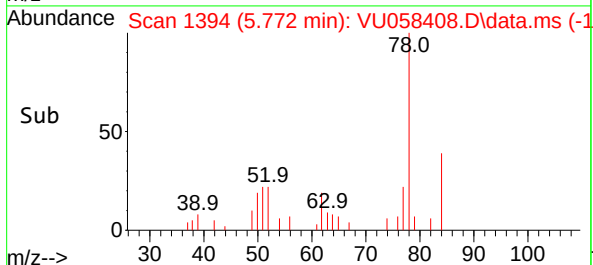
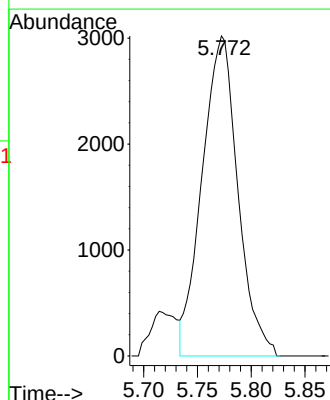
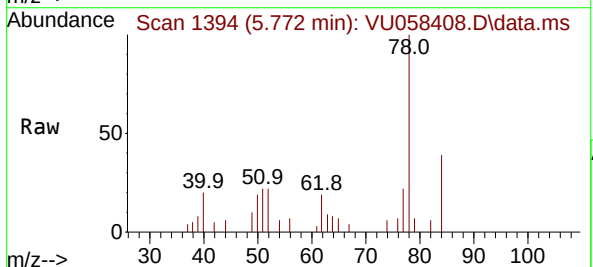
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PMW-8D(20240327)

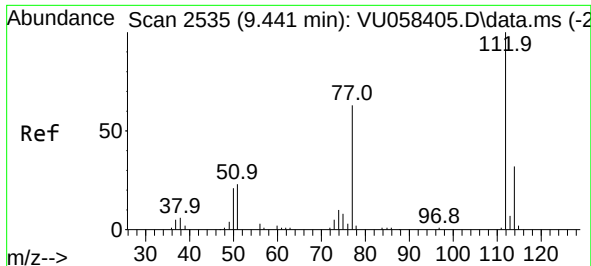
Tgt Ion: 62 Resp: 4932
Ion Ratio Lower Upper
62 100
98 8.3 7.0 10.4



#33
Benzene
Concen: 0.231 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.006 min
Lab File: VU058408.D
Acq: 05 Apr 2024 10:32

Tgt Ion: 78 Resp: 6981

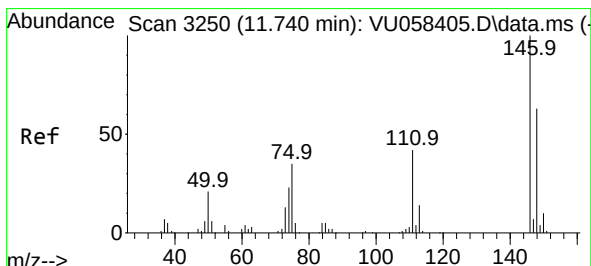
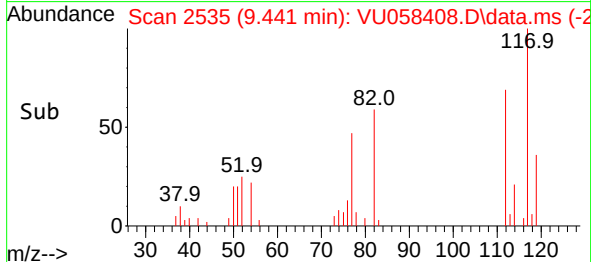
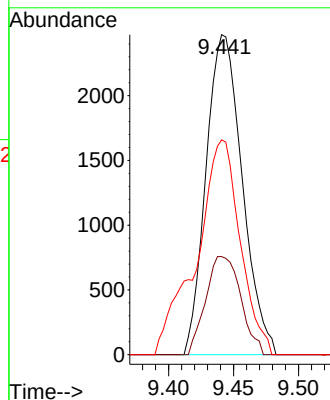
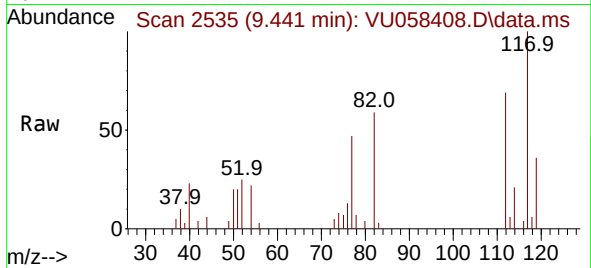




#51
Chlorobenzene
Concen: 0.250 ug/L
RT: 9.441 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU058408.D
Acq: 05 Apr 2024 10:32

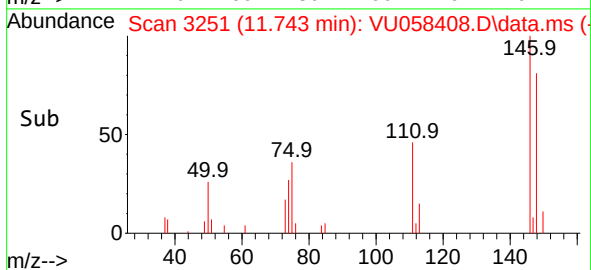
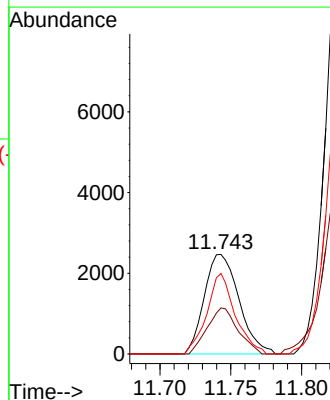
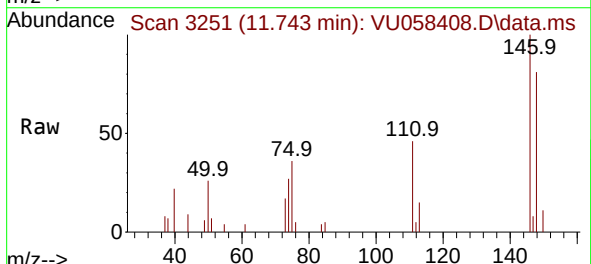
Instrument :
MSVOA_U
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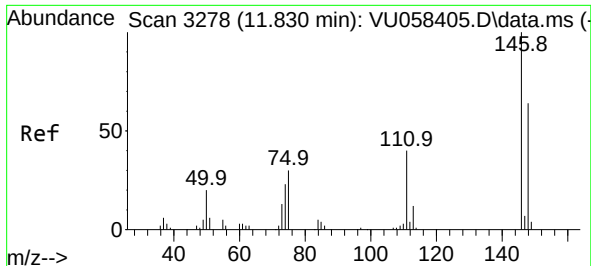
Tgt Ion:112 Resp: 4788
Ion Ratio Lower Upper
112 100
114 30.7 22.4 41.6
77 67.1 50.1 75.1



#64
1,3-Dichlorobenzene
Concen: 0.322 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VU058408.D
Acq: 05 Apr 2024 10:32

Tgt Ion:146 Resp: 4194
Ion Ratio Lower Upper
146 100
111 46.3 28.8 53.4
148 80.9 44.9 83.3





#65

1,4-Dichlorobenzene

Concen: 1.724 ug/L

RT: 11.830 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU058408.D

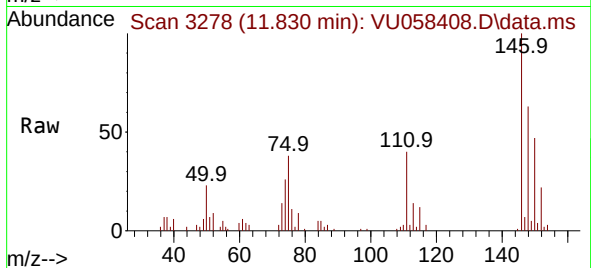
Acq: 05 Apr 2024 10:32

Instrument :

MSVOA_U

ClientSampleId :

PMW-8D(20240327)



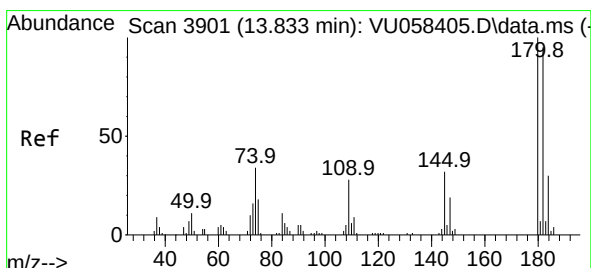
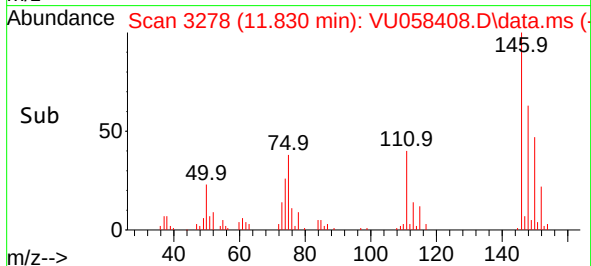
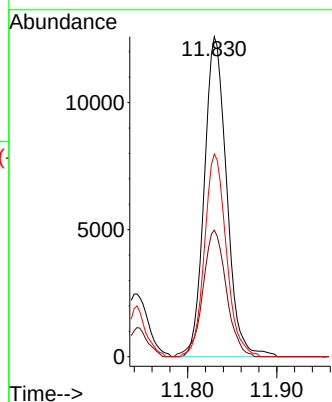
Tgt Ion:146 Resp: 21874

Ion Ratio Lower Upper

146 100

111 39.6 28.8 53.6

148 63.3 45.3 84.1



#70

1,2,4-trichlorobenzene

Concen: 0.212 ug/L

RT: 13.852 min Scan# 3907

Delta R.T. 0.019 min

Lab File: VU058408.D

Acq: 05 Apr 2024 10:32

Tgt Ion:180 Resp: 1572

Ion Ratio Lower Upper

180 100

182 77.7 74.4 111.6

145 19.1 24.1 36.1#

