

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091525\
 Data File : VV039085.D
 Acq On : 15 Sep 2025 17:29
 Operator : SY/MD
 Sample : Q3084-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-2(MCUA)(20250911)

Quant Time: Sep 16 02:25:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 16 02:04:20 2025
 Response via : Initial Calibration

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

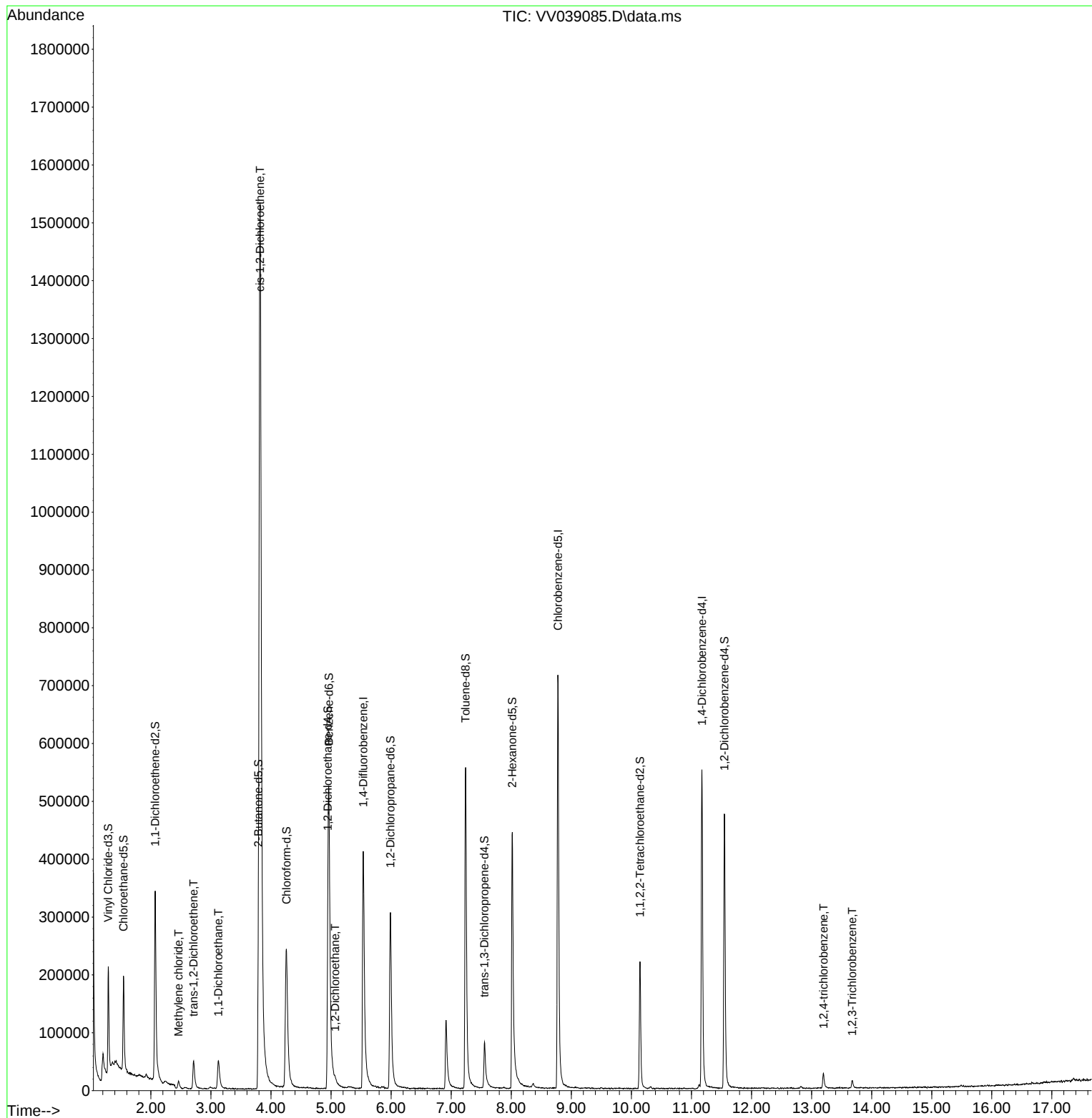
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	409026	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	420765	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	152089	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	146048	4.527	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	90.600%	
7) Chloroethane-d5	1.545	69	131964	4.720	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	94.400%	
11) 1,1-Dichloroethene-d2	2.073	65	67845	4.415	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	88.200%	
20) 2-Butanone-d5	3.790	46	229561	47.911	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	95.820%	
24) Chloroform-d	4.256	84	295629	4.719	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.400%	
26) 1,2-Dichloroethane-d4	4.947	65	127105	4.817	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.400%	
32) Benzene-d6	4.963	84	547773	4.758	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.200%	
36) 1,2-Dichloropropane-d6	5.989	67	167819	4.877	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	97.600%	
41) Toluene-d8	7.240	98	412655	4.004	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	80.000%	
43) trans-1,3-Dichloroprop...	7.555	79	49867	3.962	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	79.200%	
46) 2-Hexanone-d5	8.018	63	175969	43.182	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	86.360%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	115938	4.719	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	94.400%	
66) 1,2-Dichlorobenzene-d4	11.551	152	131680	5.379	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	107.600%	
Target Compounds						Qvalue
16) Methylene chloride	2.462	84	5967	0.158	ug/L	94
18) trans-1,2-Dichloroethene	2.712	96	22411	0.656	ug/L	91
19) 1,1-Dichloroethane	3.124	63	58774	0.937	ug/L	99
22) cis-1,2-Dichloroethene	3.818	96	973436	29.176	ug/L	98
27) 1,2-Dichloroethane	5.066	62	9908	0.297	ug/L #	89
70) 1,2,4-trichlorobenzene	13.198	180	8567	0.350	ug/L	97
72) 1,2,3-Trichlorobenzene	13.677	180	4460	0.204	ug/L	87

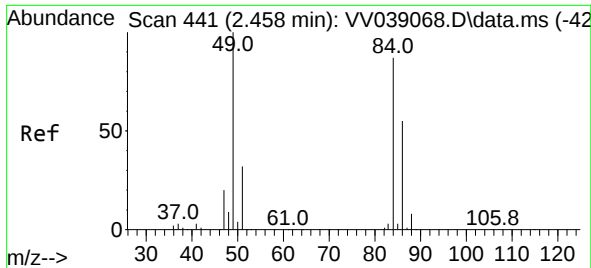
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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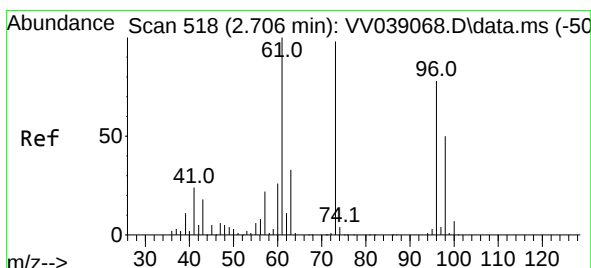
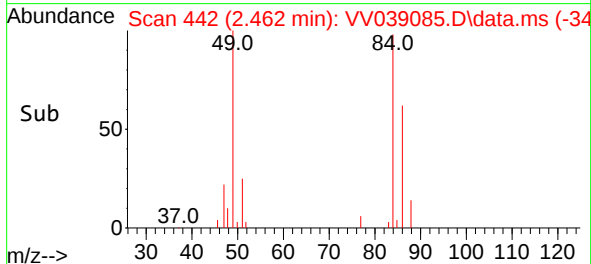
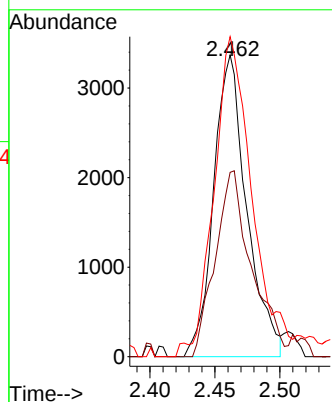
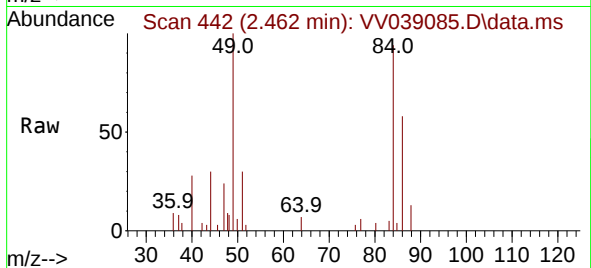




#16
Methylene chloride
Concen: 0.158 ug/L
RT: 2.462 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039085.D
Acq: 15 Sep 2025 17:29

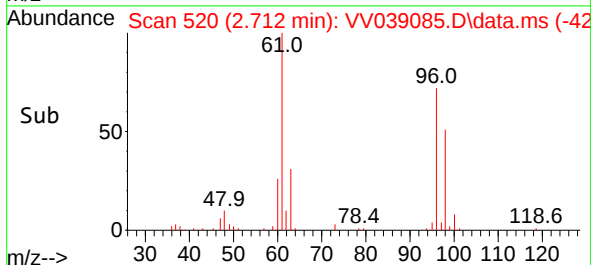
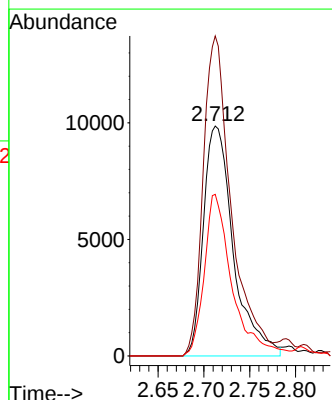
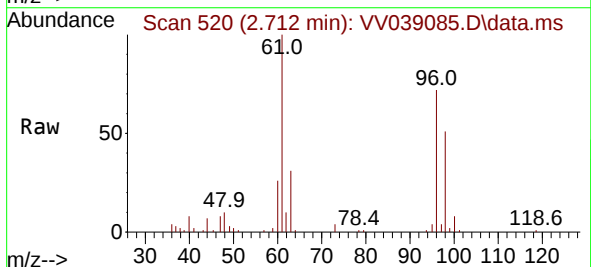
Instrument :
MSVOA_V
ClientSampleId :
MW-2(MCUA)(20250911)

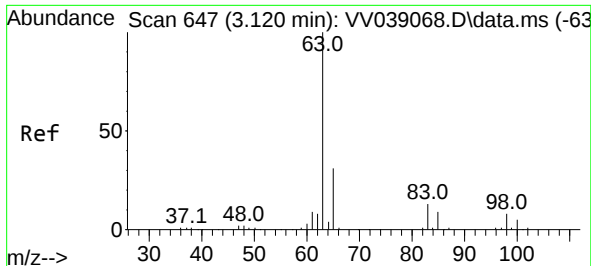
Tgt Ion: 84 Resp: 5967
Ion Ratio Lower Upper
84 100
86 61.1 44.2 82.2
49 106.0 80.6 149.6



#18
trans-1,2-Dichloroethene
Concen: 0.656 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.007 min
Lab File: VV039085.D
Acq: 15 Sep 2025 17:29

Tgt Ion: 96 Resp: 22411
Ion Ratio Lower Upper
96 100
61 139.1 89.7 166.5
98 70.3 44.9 83.3





#19

1,1-Dichloroethane

Concen: 0.937 ug/L

RT: 3.124 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV039085.D

Acq: 15 Sep 2025 17:29

Instrument :

MSVOA_V

ClientSampleId :

MW-2(MCUA)(20250911)

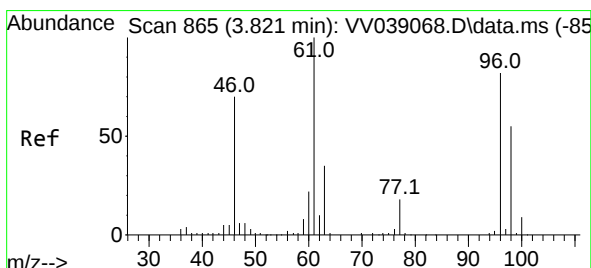
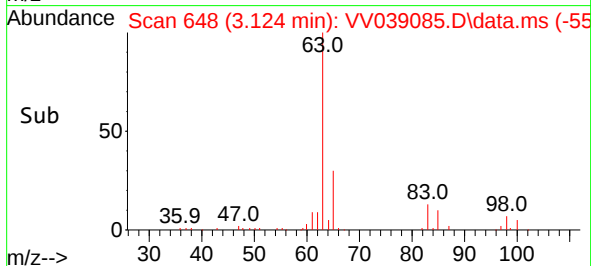
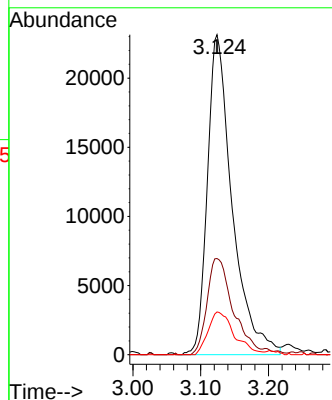
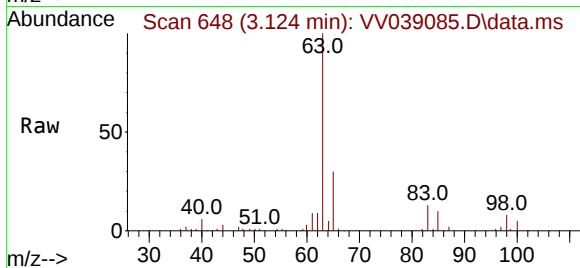
Tgt Ion: 63 Resp: 58774

Ion Ratio Lower Upper

63 100

65 30.1 21.5 39.9

83 13.4 9.2 17.2



#22

cis-1,2-Dichloroethene

Concen: 29.176 ug/L

RT: 3.818 min Scan# 864

Delta R.T. -0.003 min

Lab File: VV039085.D

Acq: 15 Sep 2025 17:29

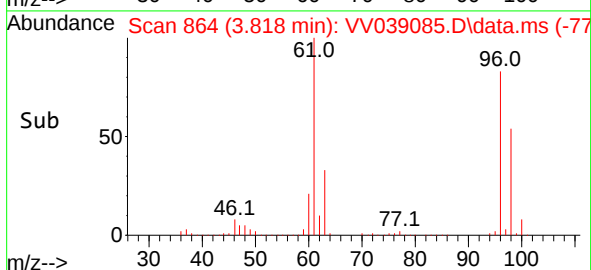
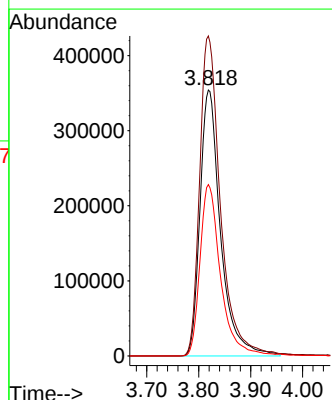
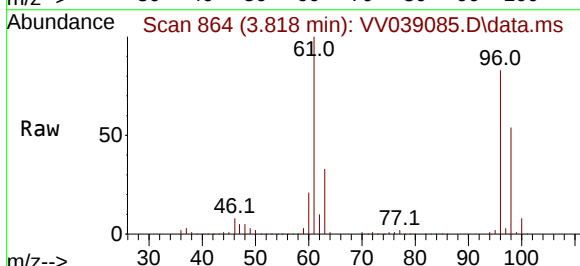
Tgt Ion: 96 Resp: 973436

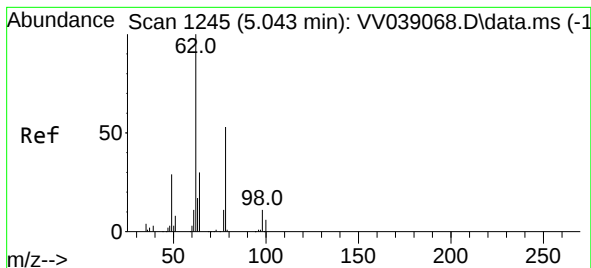
Ion Ratio Lower Upper

96 100

61 120.4 85.4 158.6

98 64.4 46.6 86.6





#27

1,2-Dichloroethane

Concen: 0.297 ug/L

RT: 5.066 min Scan# 1

Delta R.T. 0.023 min

Lab File: VV039085.D

Acq: 15 Sep 2025 17:29

Instrument :

MSVOA_V

ClientSampleId :

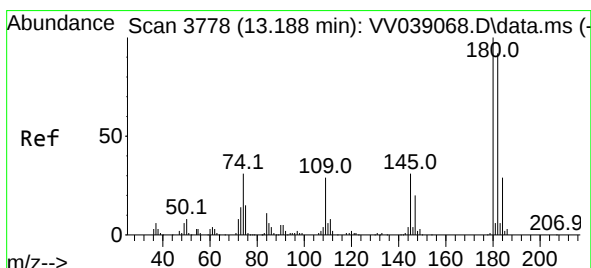
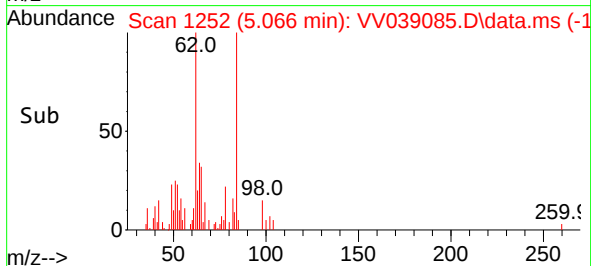
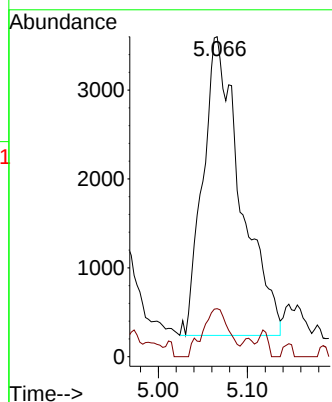
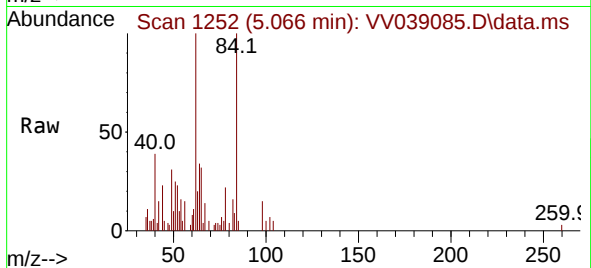
MW-2(MCUA)(20250911)

Tgt Ion: 62 Resp: 9908

Ion Ratio Lower Upper

62 100

98 15.0 8.6 12.8#



#70

1,2,4-trichlorobenzene

Concen: 0.350 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.010 min

Lab File: VV039085.D

Acq: 15 Sep 2025 17:29

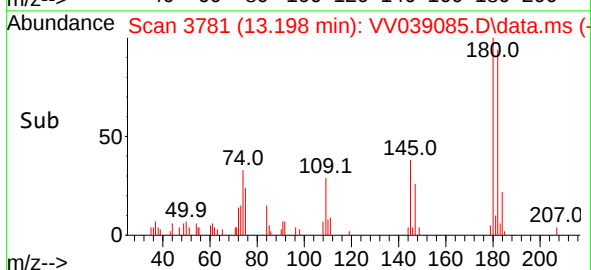
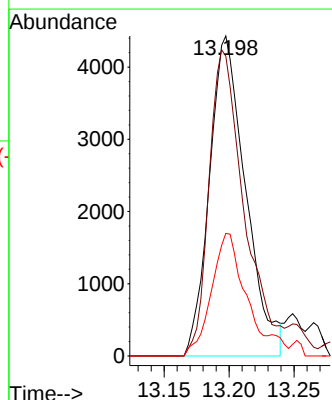
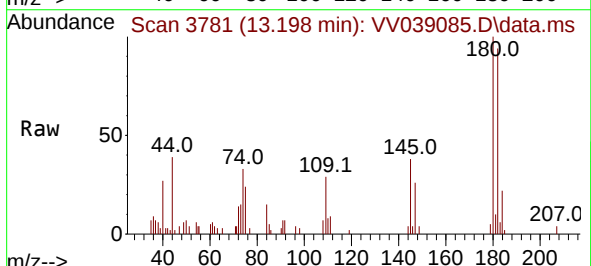
Tgt Ion: 180 Resp: 8567

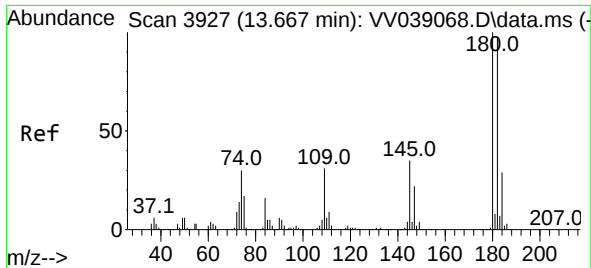
Ion Ratio Lower Upper

180 100

182 93.4 73.2 109.8

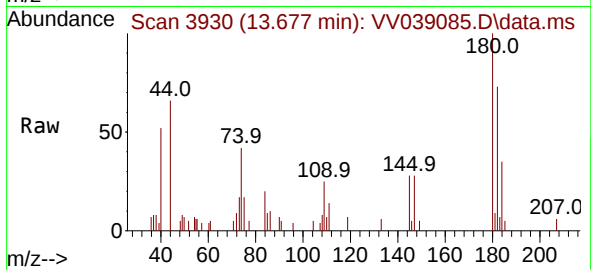
145 35.3 25.0 37.4





#72
 1,2,3-Trichlorobenzene
 Concen: 0.204 ug/L
 RT: 13.677 min Scan# 3927
 Delta R.T. 0.010 min
 Lab File: VV039085.D
 Acq: 15 Sep 2025 17:29

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-2(MCUA)(20250911)



Tgt Ion:	180	Resp:	4460
Ion	Ratio	Lower	Upper
180	100		
182	80.0	76.6	115.0
145	31.3	27.4	41.2

