

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091525\
 Data File : VV039086.D
 Acq On : 15 Sep 2025 17:50
 Operator : SY/MD
 Sample : Q3084-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-8D(20250909)

Quant Time: Sep 16 02:26:16 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	385806	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	383892	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	170898	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	135501	4.453	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.545	69	117338	4.450	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.000%
11) 1,1-Dichloroethene-d2	2.072	65	59836	4.128	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.600%
20) 2-Butanone-d5	3.786	46	228670	50.597	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.200%
24) Chloroform-d	4.256	84	276100	4.672	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	4.947	65	118032	4.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	4.963	84	496369	4.725	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
36) 1,2-Dichloropropane-d6	5.989	67	155087	4.939	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.239	98	381171	4.053	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.000%
43) trans-1,3-Dichloroprop...	7.558	79	51469	4.482	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.018	63	162479	43.701	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.400%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	106775	4.763	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	11.548	152	134899	4.904	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%

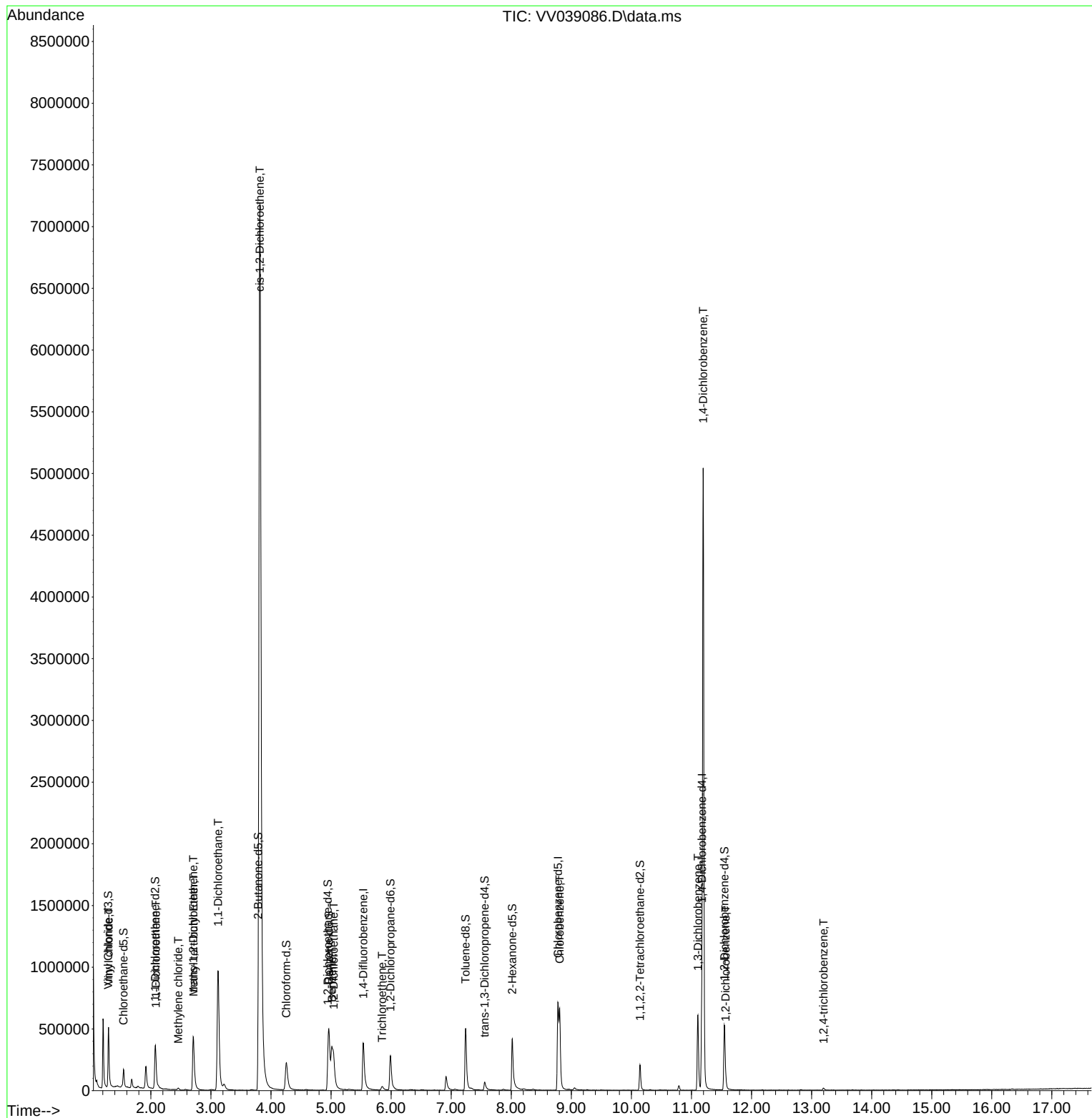
Target Compounds				Qvalue		
5) Vinyl chloride	1.298	62	268298	6.351	ug/L	95
12) 1,1-Dichloroethene	2.082	96	36043	1.138	ug/L #	1
16) Methylene chloride	2.458	84	6093	0.171	ug/L	91
17) Methyl tert-butyl Ether	2.712	73	47006	0.863	ug/L	95
18) trans-1,2-Dichloroethene	2.706	96	183148	5.680	ug/L	98
19) 1,1-Dichloroethane	3.121	63	1131084	19.125	ug/L	99
22) cis-1,2-Dichloroethene	3.815	96	4542632	144.346	ug/L	98
27) 1,2-Dichloroethane	5.043	62	222826	7.087	ug/L	100
33) Benzene	5.014	78	367843	3.044	ug/L	100
34) Trichloroethene	5.850	95	13295	0.408	ug/L	90
51) Chlorobenzene	8.805	112	365730	4.499	ug/L	99
64) 1,3-Dichlorobenzene	11.107	146	255019	4.572	ug/L	99
65) 1,4-Dichlorobenzene	11.194	146	1956480	33.906	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	26332	0.533	ug/L #	88
70) 1,2,4-trichlorobenzene	13.201	180	5829	0.212	ug/L	91

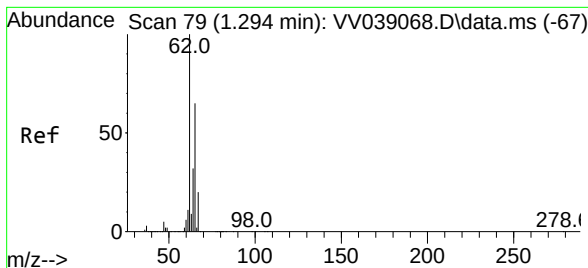
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 16 02:04:20 2025
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.351 ug/L

RT: 1.298 min Scan# 80

Delta R.T. 0.003 min

Lab File: VV039086.D

Acq: 15 Sep 2025 17:50

Instrument :

MSVOA_V

ClientSampleId :

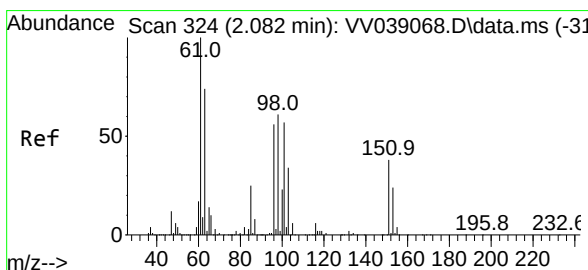
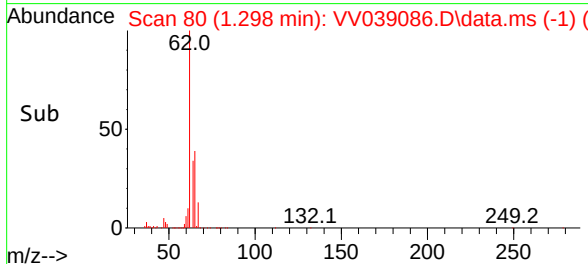
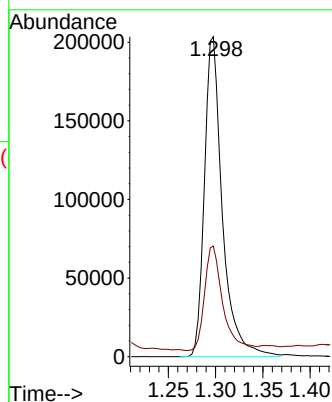
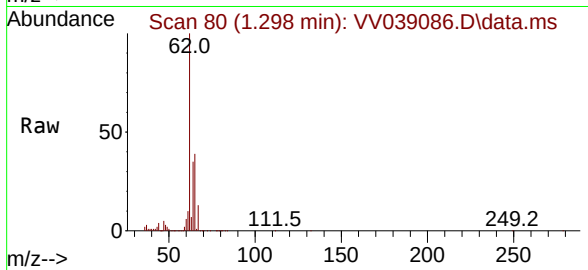
PMW-8D(20250909)

Tgt Ion: 62 Resp: 268298

Ion Ratio Lower Upper

62 100

64 34.6 22.4 41.6



#12

1,1-Dichloroethene

Concen: 1.138 ug/L

RT: 2.082 min Scan# 324

Delta R.T. 0.000 min

Lab File: VV039086.D

Acq: 15 Sep 2025 17:50

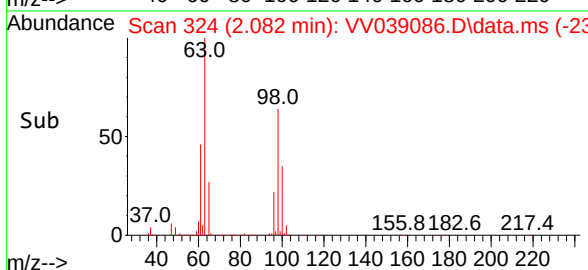
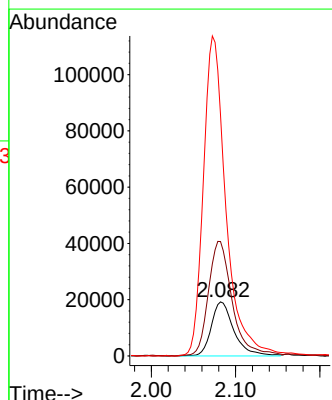
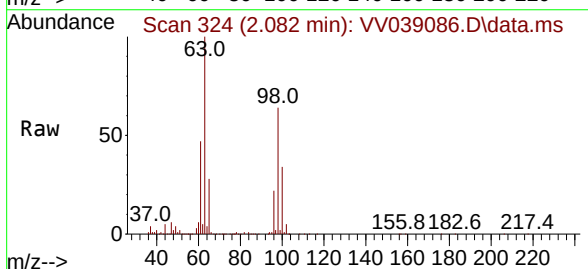
Tgt Ion: 96 Resp: 36043

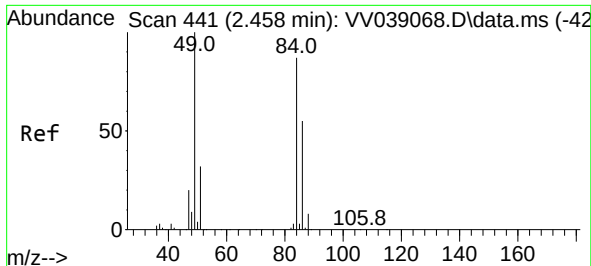
Ion Ratio Lower Upper

96 100

61 211.8 124.7 231.7

63 446.0 93.5 173.7#

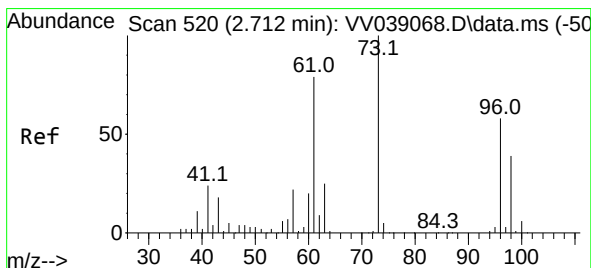
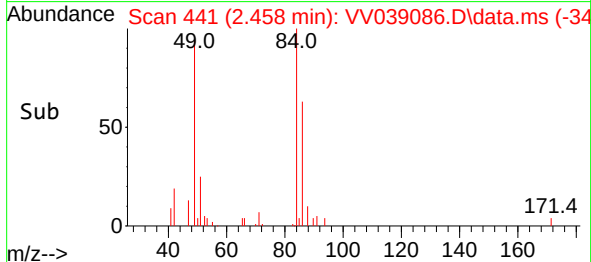
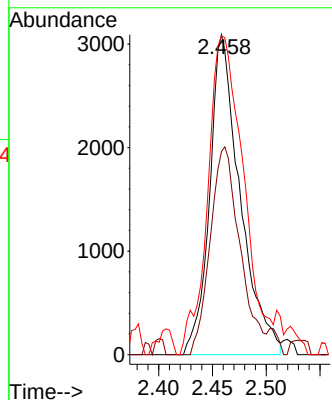
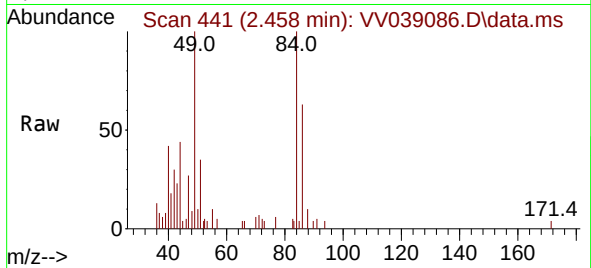




#16
Methylene chloride
Concen: 0.171 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.000 min
Lab File: VV039086.D
Acq: 15 Sep 2025 17:50

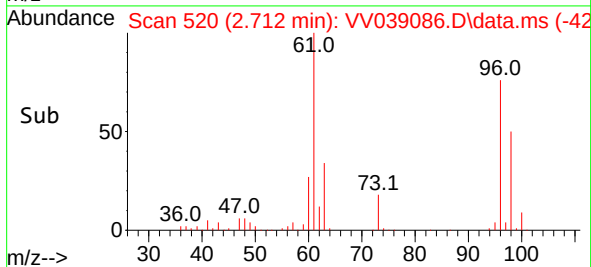
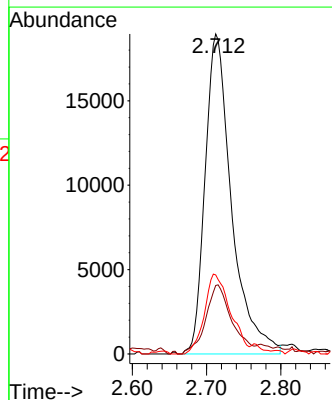
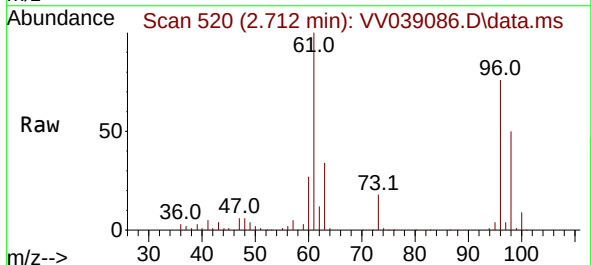
Instrument :
MSVOA_V
ClientSampleId :
PMW-8D(20250909)

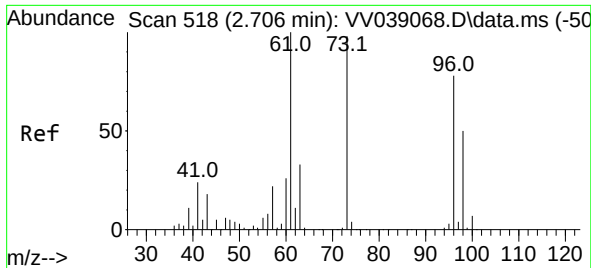
Tgt Ion:	84	Resp:	6093
Ion	Ratio	Lower	Upper
84	100		
86	63.5	44.2	82.2
49	99.7	80.6	149.6



#17
Methyl tert-butyl Ether
Concen: 0.863 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.000 min
Lab File: VV039086.D
Acq: 15 Sep 2025 17:50

Tgt Ion:	73	Resp:	47006
Ion	Ratio	Lower	Upper
73	100		
43	21.2	14.7	22.1
57	24.4	18.0	27.0

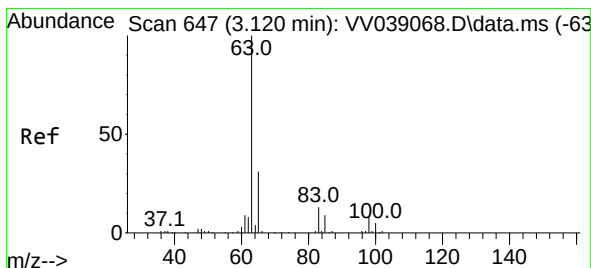
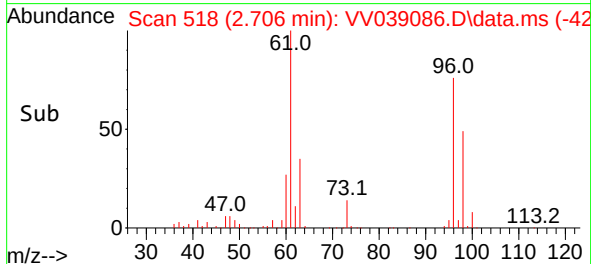
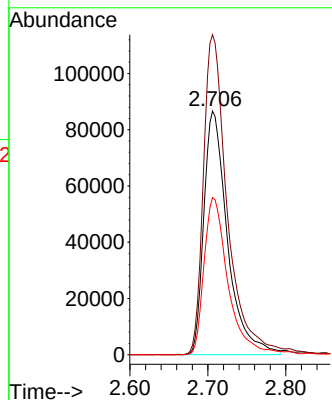
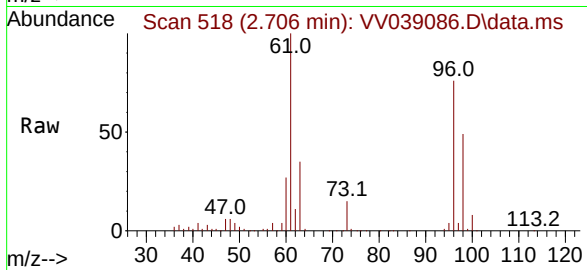




#18
trans-1,2-Dichloroethene
Concen: 5.680 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV039086.D
Acq: 15 Sep 2025 17:50

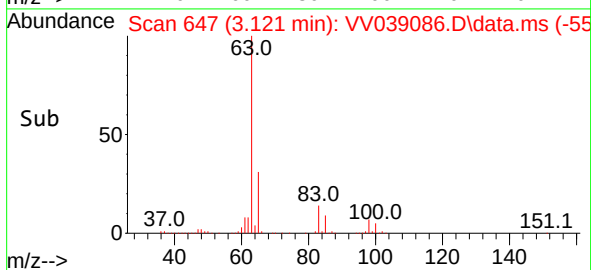
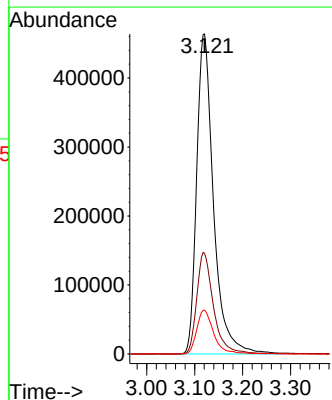
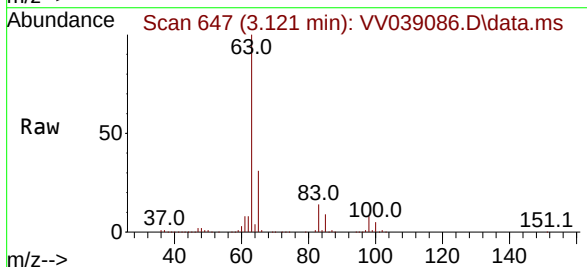
Instrument :
MSVOA_V
ClientSampleId :
PMW-8D(20250909)

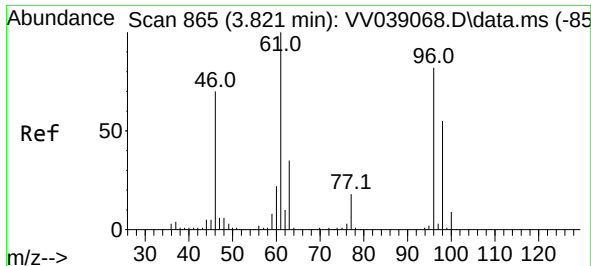
Tgt Ion: 96 Resp: 183148
Ion Ratio Lower Upper
96 100
61 131.3 89.7 166.5
98 64.5 44.9 83.3



#19
1,1-Dichloroethane
Concen: 19.125 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.000 min
Lab File: VV039086.D
Acq: 15 Sep 2025 17:50

Tgt Ion: 63 Resp: 1131084
Ion Ratio Lower Upper
63 100
65 31.5 21.5 39.9
83 13.7 9.2 17.2



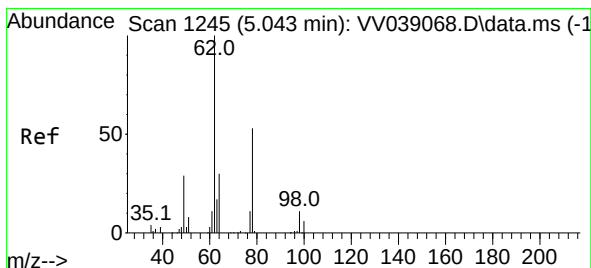
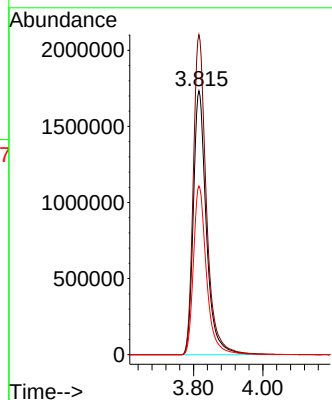
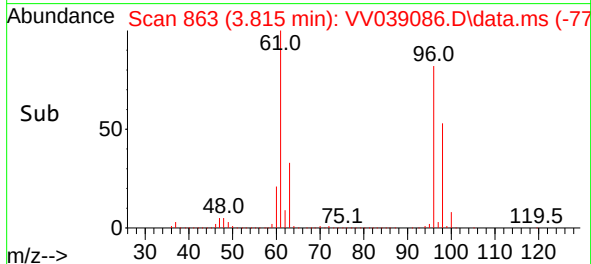
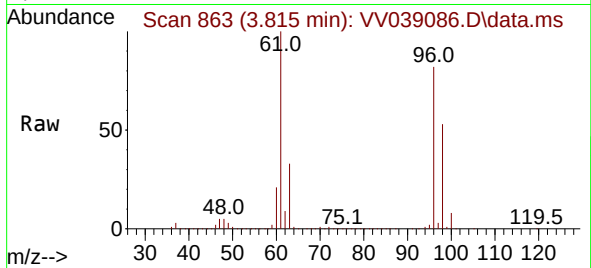


#22
 cis-1,2-Dichloroethene
 Concen: 144.346 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. -0.006 min
 Lab File: VV039086.D
 Acq: 15 Sep 2025 17:50

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-8D(20250909)

Tgt Ion: 96 Resp: 4542632

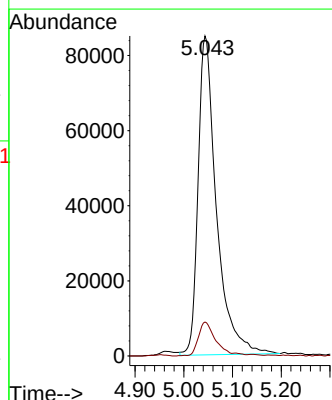
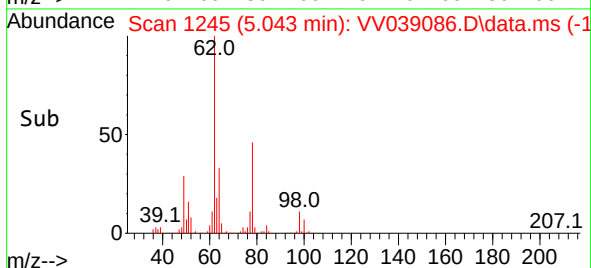
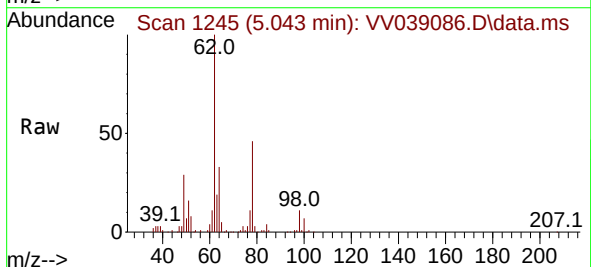
Ion	Ratio	Lower	Upper
96	100		
61	121.3	85.4	158.6
98	63.9	46.6	86.6

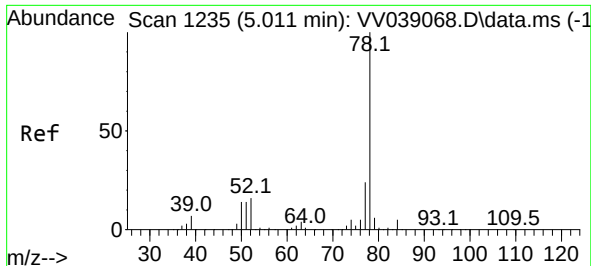


#27
 1,2-Dichloroethane
 Concen: 7.087 ug/L
 RT: 5.043 min Scan# 1245
 Delta R.T. 0.000 min
 Lab File: VV039086.D
 Acq: 15 Sep 2025 17:50

Tgt Ion: 62 Resp: 222826

Ion	Ratio	Lower	Upper
62	100		
98	10.6	8.6	12.8

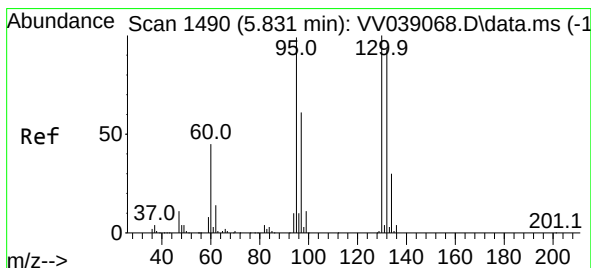
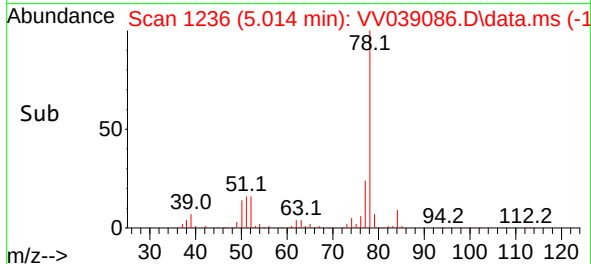
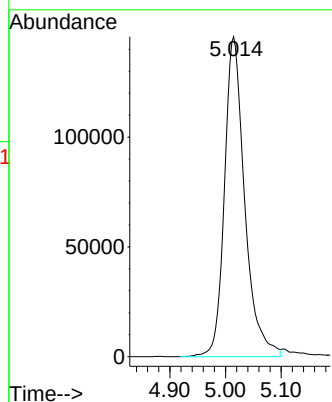
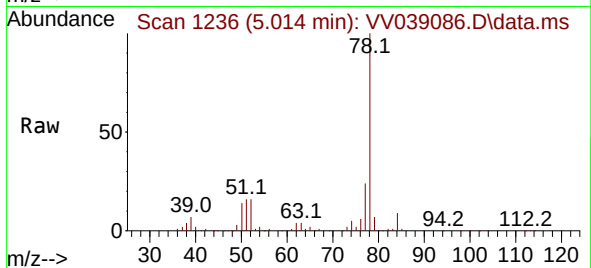




#33
Benzene
Concen: 3.044 ug/L
RT: 5.014 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039086.D
Acq: 15 Sep 2025 17:50

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PMW-8D(20250909)

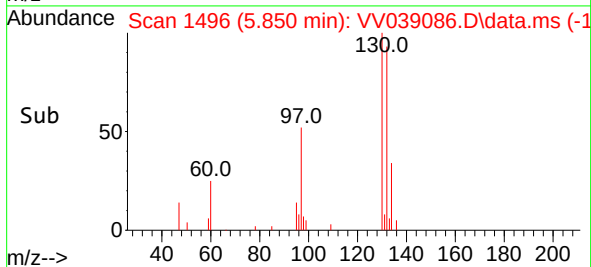
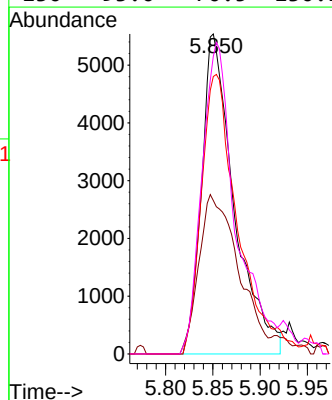
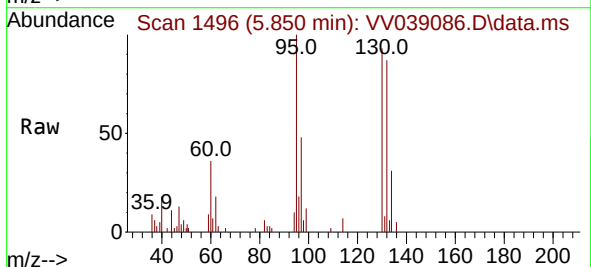
Tgt Ion: 78 Resp: 367843

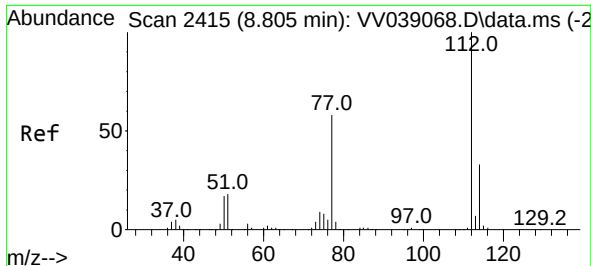


#34
Trichloroethene
Concen: 0.408 ug/L
RT: 5.850 min Scan# 1496
Delta R.T. 0.019 min
Lab File: VV039086.D
Acq: 15 Sep 2025 17:50

Tgt Ion: 95 Resp: 13295

Ion	Ratio	Lower	Upper
95	100		
97	48.0	43.3	80.5
132	86.7	65.5	121.7
130	93.0	70.5	130.9

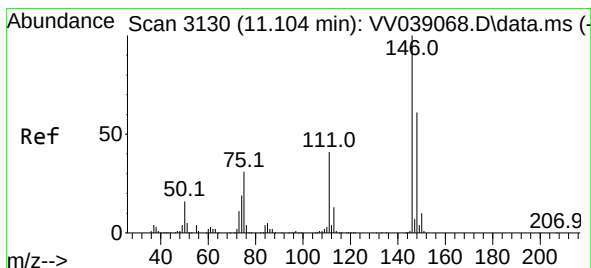
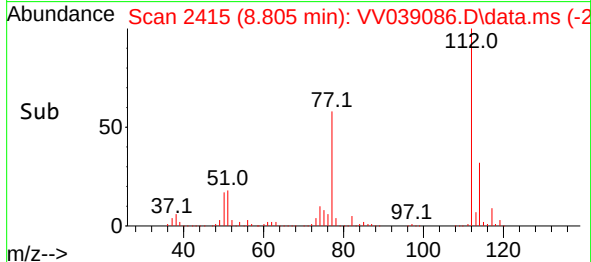
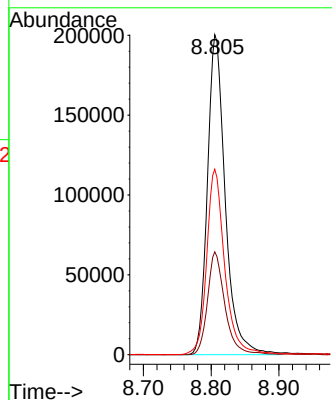
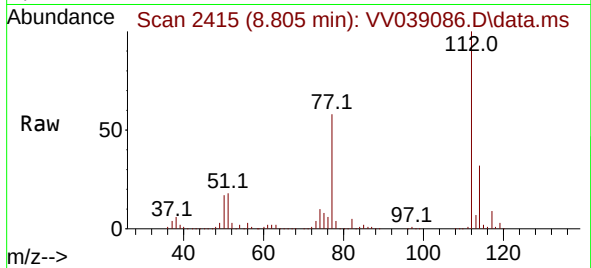




#51
Chlorobenzene
Concen: 4.499 ug/L
RT: 8.805 min Scan# 2415
Delta R.T. 0.000 min
Lab File: VV039086.D
Acq: 15 Sep 2025 17:50

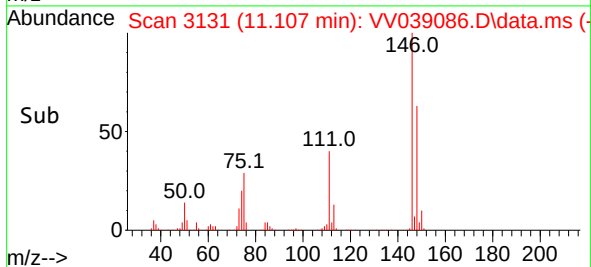
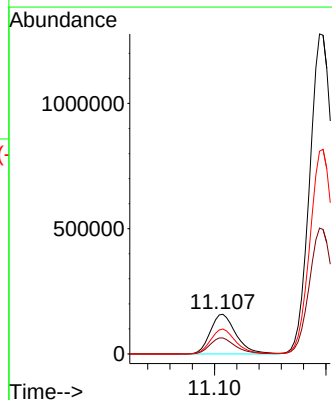
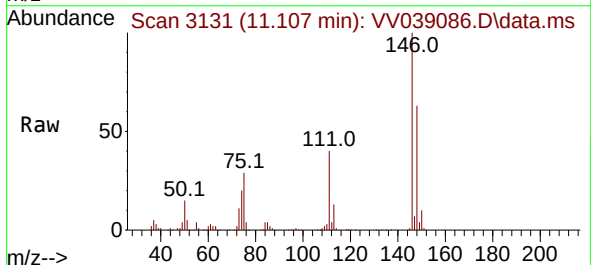
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PMW-8D(20250909)

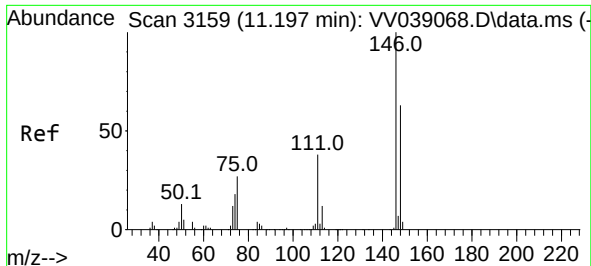
Tgt Ion:112 Resp: 365730
Ion Ratio Lower Upper
112 100
114 32.2 23.0 42.6
77 57.9 46.6 69.8



#64
1,3-Dichlorobenzene
Concen: 4.572 ug/L
RT: 11.107 min Scan# 3131
Delta R.T. 0.003 min
Lab File: VV039086.D
Acq: 15 Sep 2025 17:50

Tgt Ion:146 Resp: 255019
Ion Ratio Lower Upper
146 100
111 40.5 28.3 52.7
148 62.8 42.9 79.7

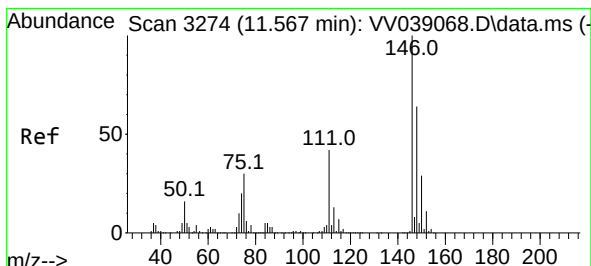
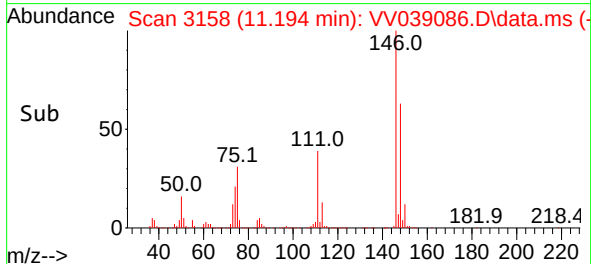
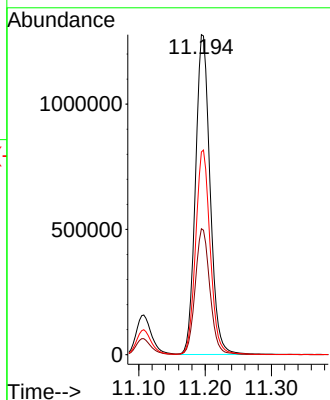
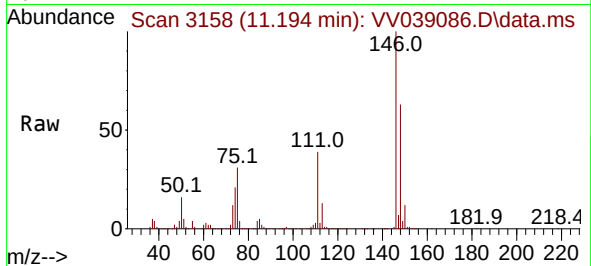




#65
1,4-Dichlorobenzene
Concen: 33.906 ug/L
RT: 11.194 min Scan# 3158
Delta R.T. -0.003 min
Lab File: VV039086.D
Acq: 15 Sep 2025 17:50

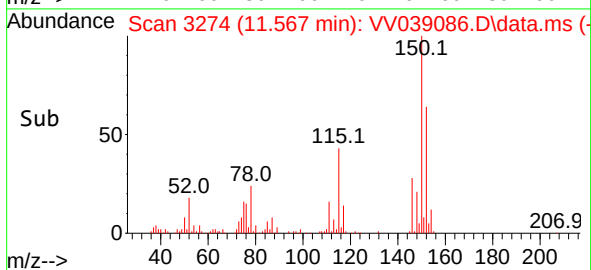
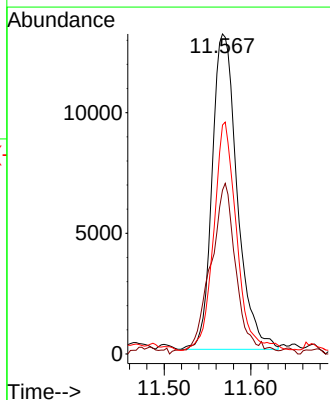
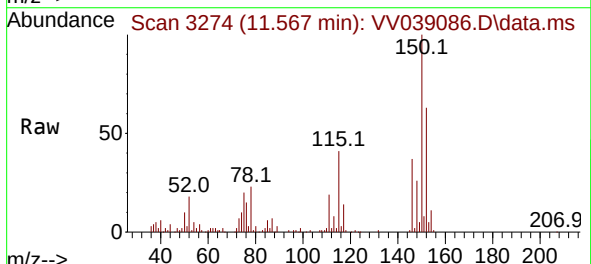
Instrument :
MSVOA_V
ClientSampleId :
PMW-8D(20250909)

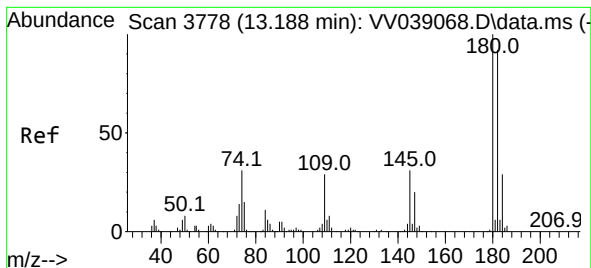
Tgt Ion:146 Resp: 1956480
Ion Ratio Lower Upper
146 100
111 39.3 27.2 50.6
148 63.3 43.8 81.4



#67
1,2-Dichlorobenzene
Concen: 0.533 ug/L
RT: 11.567 min Scan# 3274
Delta R.T. 0.000 min
Lab File: VV039086.D
Acq: 15 Sep 2025 17:50

Tgt Ion:146 Resp: 26332
Ion Ratio Lower Upper
146 100
111 51.2 33.4 50.2#
148 71.6 51.1 76.7





#70

1,2,4-trichlorobenzene

Concen: 0.212 ug/L

RT: 13.201 min Scan# 31

Delta R.T. 0.013 min

Lab File: VV039086.D

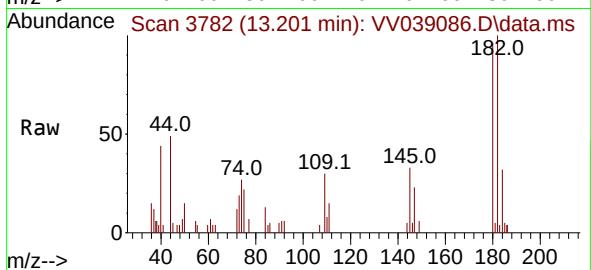
Acq: 15 Sep 2025 17:50

Instrument :

MSVOA_V

ClientSampleId :

PMW-8D(20250909)



Tgt Ion:180 Resp: 5829

Ion Ratio Lower Upper

180 100

182 100.4 73.2 109.8

145 35.1 25.0 37.4

