

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091625\
 Data File : VV039110.D
 Acq On : 16 Sep 2025 16:20
 Operator : SY/MD
 Sample : Q3084-08DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-7S(20250910)DL

Quant Time: Sep 17 02:25:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 17 02:19:46 2025
 Response via : Initial Calibration

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

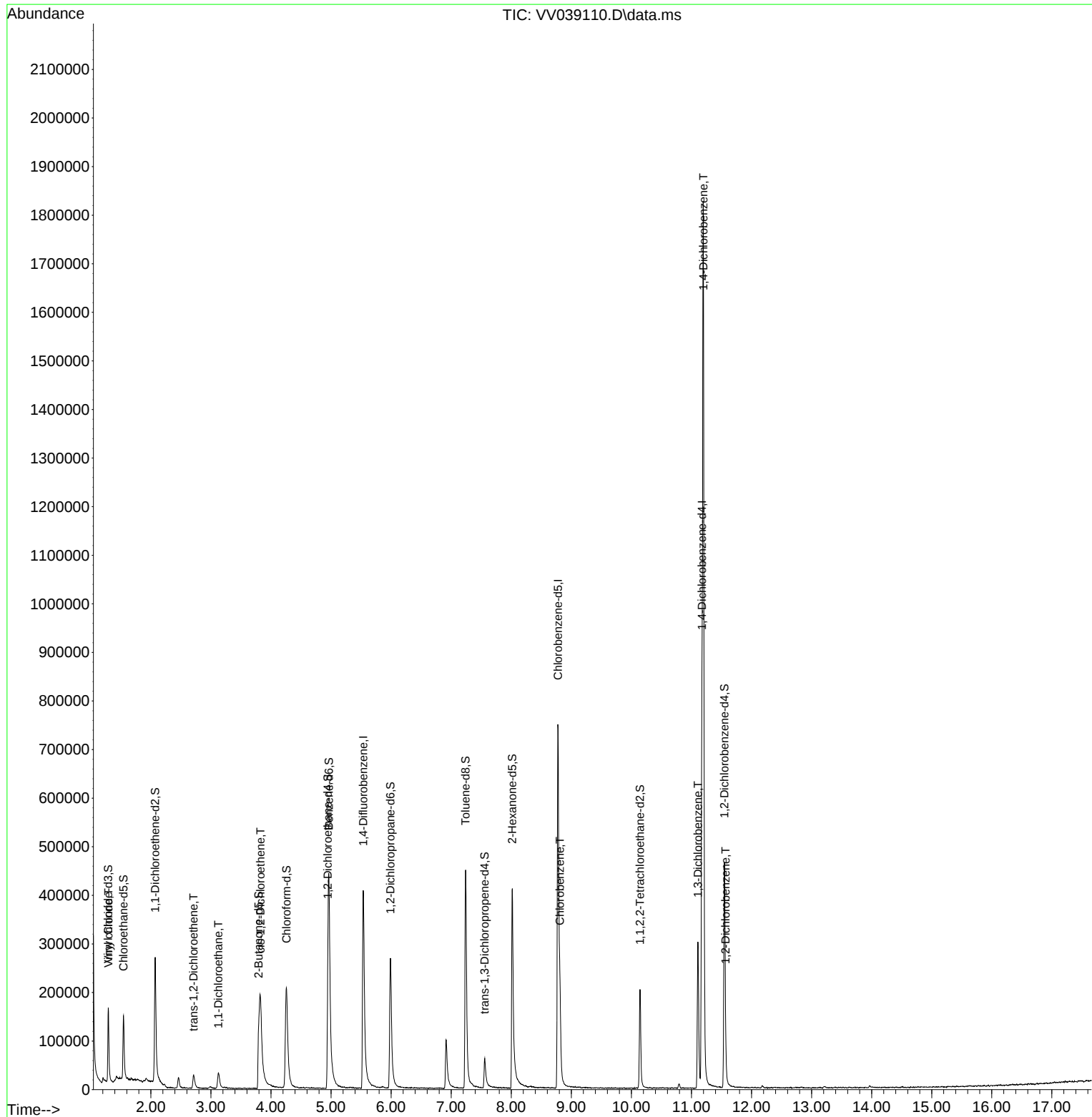
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	410654	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	418773	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	169043	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	117874	3.640	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	72.800%	
7) Chloroethane-d5	1.545	69	110071	3.922	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	78.400%	
11) 1,1-Dichloroethene-d2	2.072	65	52714	3.416	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	68.400%	
20) 2-Butanone-d5	3.796	46	198153	41.192	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	82.380%	
24) Chloroform-d	4.256	84	264151	4.199	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	84.000%	
26) 1,2-Dichloroethane-d4	4.947	65	113436	4.282	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	85.600%	
32) Benzene-d6	4.963	84	452852	3.952	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	79.000%	
36) 1,2-Dichloropropane-d6	5.989	67	151075	4.411	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	88.200%	
41) Toluene-d8	7.239	98	341718	3.331	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	66.600%#	
43) trans-1,3-Dichloroprop...	7.558	79	42755	3.413	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	68.200%	
46) 2-Hexanone-d5	8.018	63	160230	39.506	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	79.020%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	108453	4.435	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	88.800%	
66) 1,2-Dichlorobenzene-d4	11.551	152	125964	4.629	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	92.600%	
Target Compounds						Qvalue
5) Vinyl chloride	1.294	62	10830	0.241	ug/L	# 42
18) trans-1,2-Dichloroethene	2.709	96	12427	0.362	ug/L	91
19) 1,1-Dichloroethane	3.124	63	39176	0.622	ug/L	97
22) cis-1,2-Dichloroethene	3.825	96	100290	2.994	ug/L	94
51) Chlorobenzene	8.808	112	123332	1.391	ug/L	96
64) 1,3-Dichlorobenzene	11.107	146	127947	2.319	ug/L	98
65) 1,4-Dichlorobenzene	11.197	146	723490	12.676	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	10338	0.211	ug/L	92

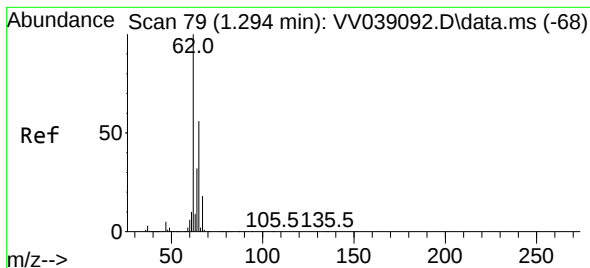
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 17 02:19:46 2025
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.241 ug/L

RT: 1.294 min Scan# 79

Delta R.T. -0.000 min

Lab File: VV039110.D

Acq: 16 Sep 2025 16:20

Instrument :

MSVOA_V

ClientSampleId :

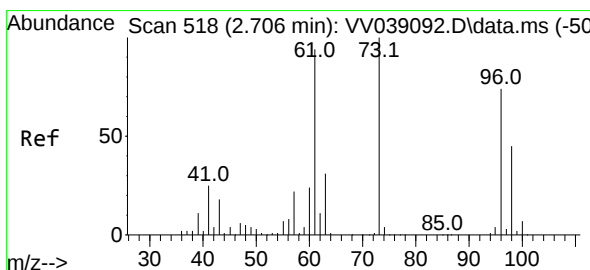
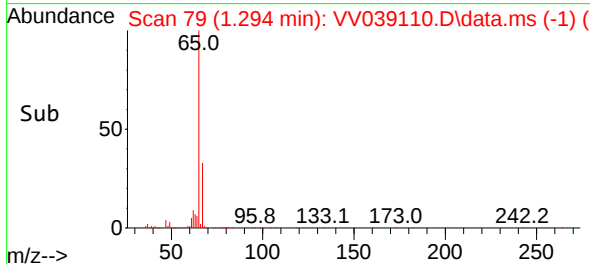
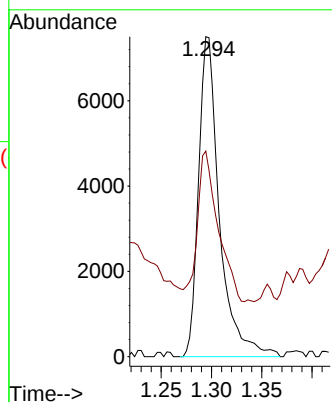
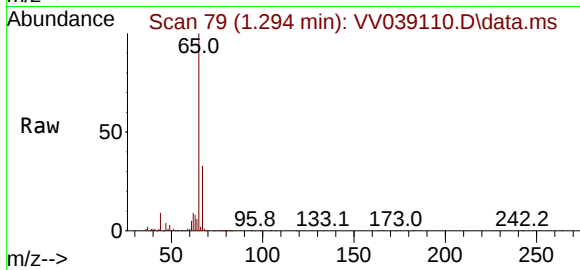
PMW-7S(20250910)DL

Tgt Ion: 62 Resp: 10830

Ion Ratio Lower Upper

62 100

64 64.3 22.4 41.6#



#18

trans-1,2-Dichloroethene

Concen: 0.362 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.003 min

Lab File: VV039110.D

Acq: 16 Sep 2025 16:20

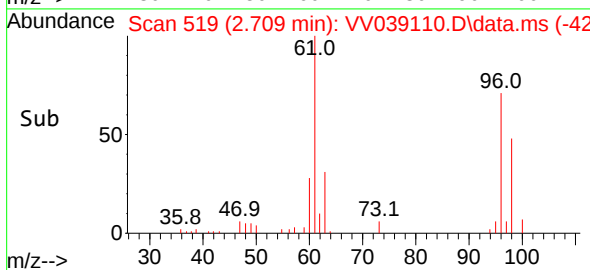
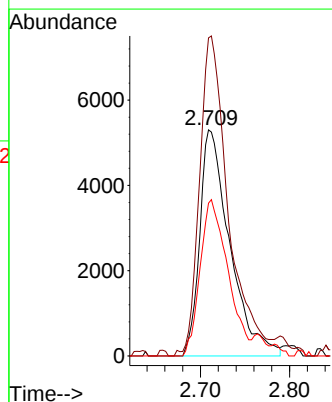
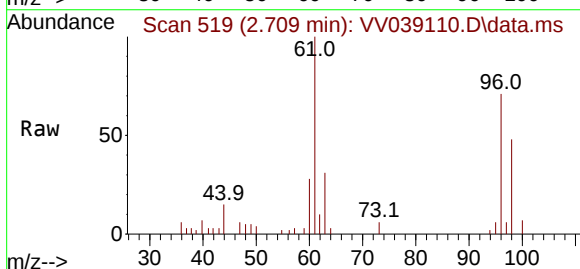
Tgt Ion: 96 Resp: 12427

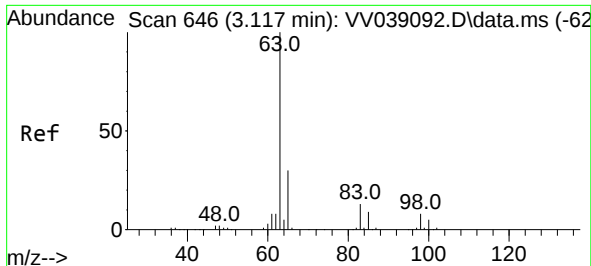
Ion Ratio Lower Upper

96 100

61 140.7 89.7 166.5

98 67.6 44.9 83.3





#19

1,1-Dichloroethane

Concen: 0.622 ug/L

RT: 3.124 min Scan# 64

Delta R.T. 0.006 min

Lab File: VV039110.D

Acq: 16 Sep 2025 16:20

Instrument :

MSVOA_V

ClientSampleId :

PMW-7S(20250910)DL

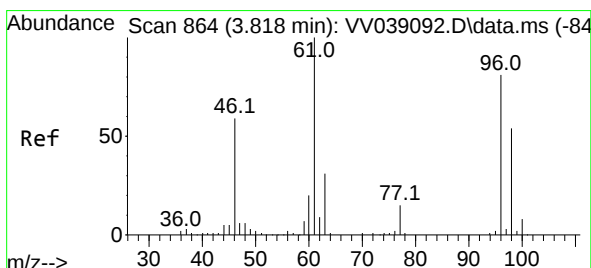
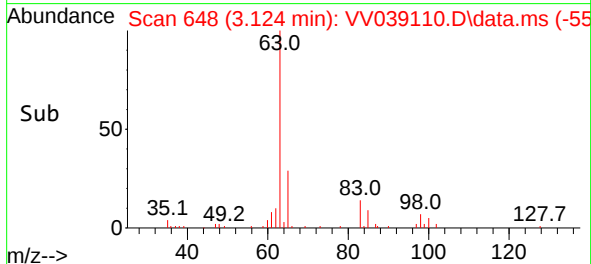
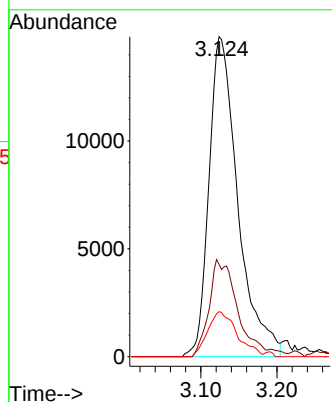
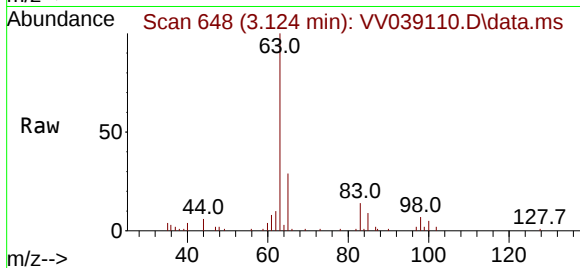
Tgt Ion: 63 Resp: 39176

Ion Ratio Lower Upper

63 100

65 28.8 21.5 39.9

83 14.0 9.2 17.2



#22

cis-1,2-Dichloroethene

Concen: 2.994 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.006 min

Lab File: VV039110.D

Acq: 16 Sep 2025 16:20

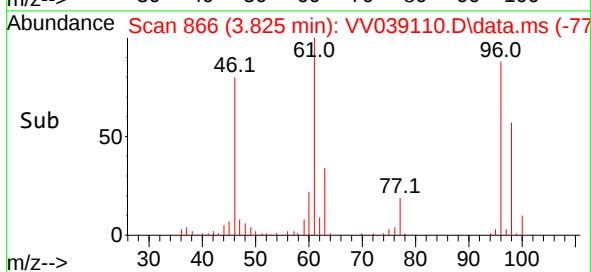
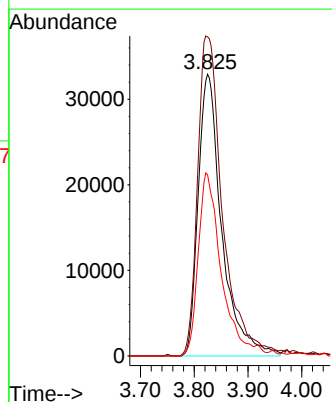
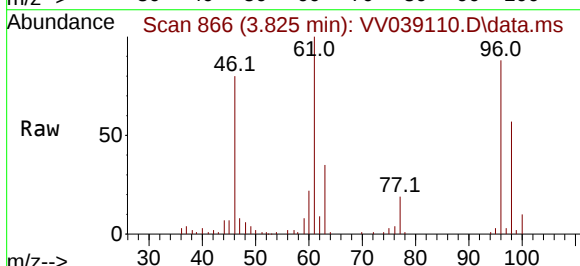
Tgt Ion: 96 Resp: 100290

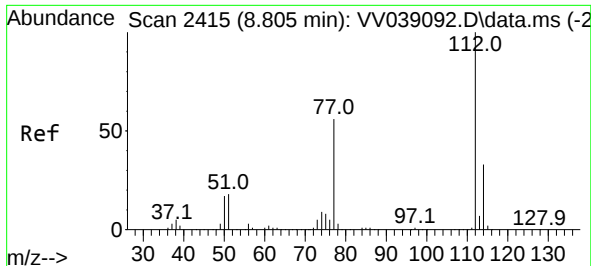
Ion Ratio Lower Upper

96 100

61 113.2 85.4 158.6

98 64.3 46.6 86.6

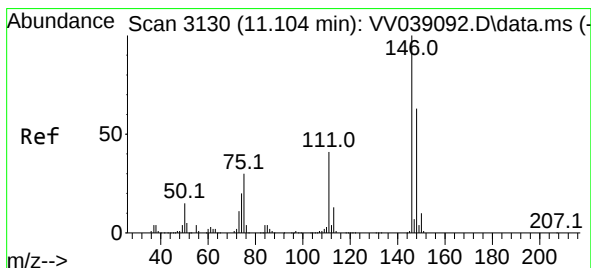
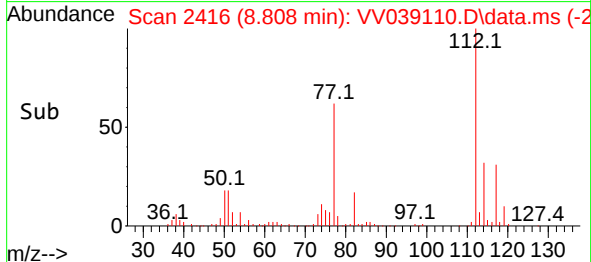
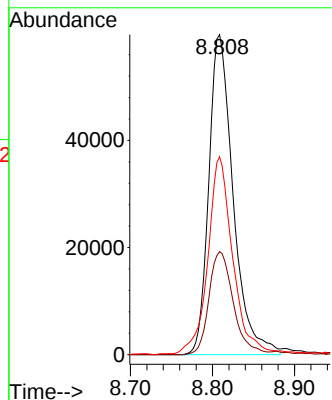
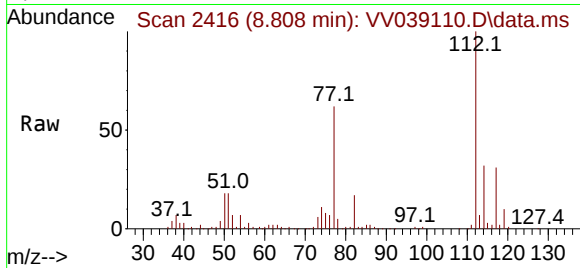




#51
Chlorobenzene
Concen: 1.391 ug/L
RT: 8.808 min Scan# 2415
Delta R.T. 0.003 min
Lab File: VV039110.D
Acq: 16 Sep 2025 16:20

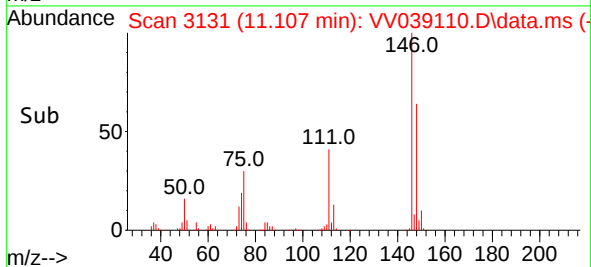
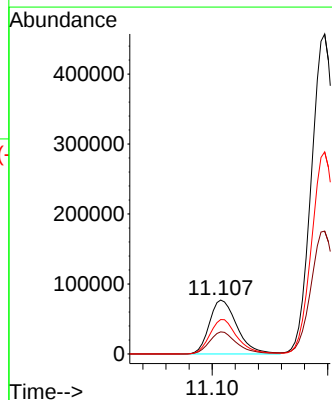
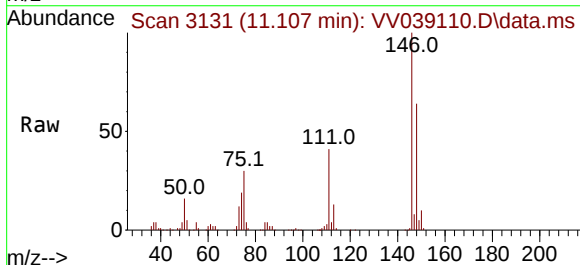
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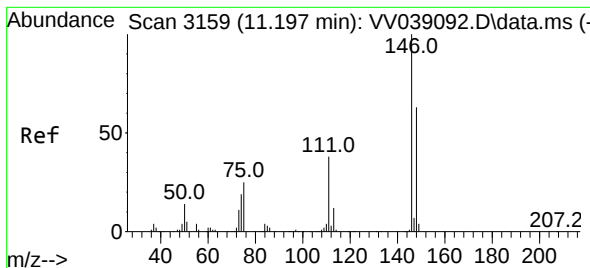
Tgt	Ion:112	Resp:	123332
Ion	Ratio	Lower	Upper
112	100		
114	32.2	23.0	42.6
77	61.8	46.6	69.8



#64
1,3-Dichlorobenzene
Concen: 2.319 ug/L
RT: 11.107 min Scan# 3131
Delta R.T. 0.003 min
Lab File: VV039110.D
Acq: 16 Sep 2025 16:20

Tgt Ion:146	Resp:	127947	
Ion	Ratio	Lower	Upper
146	100		
111	41.1	28.3	52.7
148	63.9	42.9	79.7





#65

1,4-Dichlorobenzene

Concen: 12.676 ug/L

RT: 11.197 min Scan# 3159

Delta R.T. -0.000 min

Lab File: VV039110.D

Acq: 16 Sep 2025 16:20

Instrument :

MSVOA_V

ClientSampleId :

PMW-7S(20250910)DL

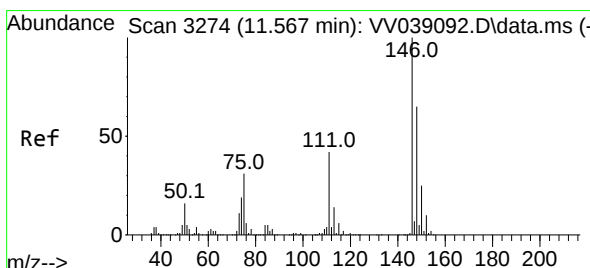
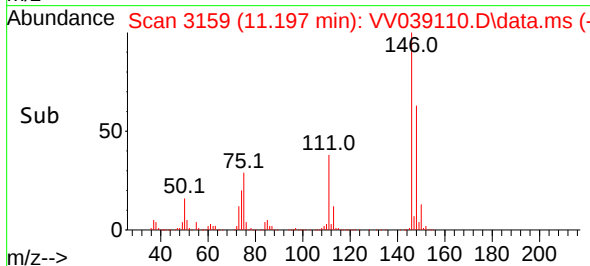
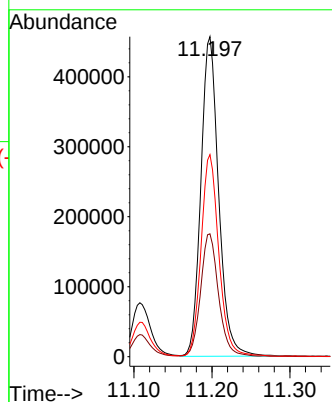
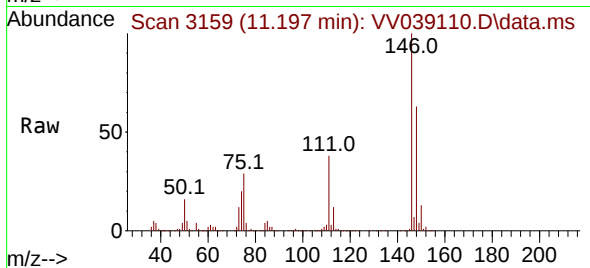
Tgt Ion:146 Resp: 723490

Ion Ratio Lower Upper

146 100

111 38.4 27.2 50.6

148 63.1 43.8 81.4



#67

1,2-Dichlorobenzene

Concen: 0.211 ug/L

RT: 11.567 min Scan# 3274

Delta R.T. -0.000 min

Lab File: VV039110.D

Acq: 16 Sep 2025 16:20

Tgt Ion:146 Resp: 10338

Ion Ratio Lower Upper

146 100

111 46.0 33.4 50.2

148 56.8 51.1 76.7

