

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091625\
 Data File : VV039102.D
 Acq On : 16 Sep 2025 13:28
 Operator : SY/MD
 Sample : Q3084-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-7D(20250910)

Quant Time: Sep 17 02:22:55 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/17/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	366992	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	379922	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	215846	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	126146	4.358	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	87.200%	
7) Chloroethane-d5	1.545	69	115240	4.594	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	91.800%	
11) 1,1-Dichloroethene-d2	2.072	65	57242	4.151	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	83.000%	
20) 2-Butanone-d5	3.789	46	247776	57.636	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	115.280%	
24) Chloroform-d	4.256	84	267753	4.763	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.200%	
26) 1,2-Dichloroethane-d4	4.947	65	118996	5.027	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.600%	
32) Benzene-d6	4.963	84	487434	4.689	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	93.800%	
36) 1,2-Dichloropropane-d6	5.989	67	153155	4.929	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	98.600%	
41) Toluene-d8	7.239	98	362598	3.896	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	78.000%	
43) trans-1,3-Dichloroprop...	7.558	79	47512	4.180	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	83.600%	
46) 2-Hexanone-d5	8.017	63	164161	44.615	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	89.220%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	112231	5.059	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	101.200%	
66) 1,2-Dichlorobenzene-d4	11.548	152	138810	3.995	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	80.000%	
Target Compounds						
5) Vinyl chloride	1.294	62	222408	5.534	ug/L #	55
12) 1,1-Dichloroethene	2.082	96	36962	1.227	ug/L #	11
16) Methylene chloride	2.461	84	7449	0.220	ug/L	88
18) trans-1,2-Dichloroethene	2.703	96	318170	10.373	ug/L	99
19) 1,1-Dichloroethane	3.121	63	858479	15.260	ug/L	99
22) cis-1,2-Dichloroethene	3.815	96	2706458	90.409	ug/L	98
27) 1,2-Dichloroethane	5.056	62	19504	0.652	ug/L	99
33) Benzene	5.014	78	420192	3.514	ug/L	100
34) Trichloroethene	5.857	95	6046	0.188	ug/L	90
42) Toluene	7.329	91	31022	0.249	ug/L	98
51) Chlorobenzene	8.802	112	3289111	40.887	ug/L	98
52) Ethylbenzene	8.953	91	11229	0.087	ug/L	95
53) m,p-Xylene	9.095	106	2607	0.052	ug/L	95
64) 1,3-Dichlorobenzene	11.104	146	4192048	59.504	ug/L	97
65) 1,4-Dichlorobenzene	11.191	146	16373503m	224.663	ug/L	
67) 1,2-Dichlorobenzene	11.567	146	234359	3.754	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	6922	0.199	ug/L	96

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Instrument :
MSVOA_V
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PMW-7D(20250910)

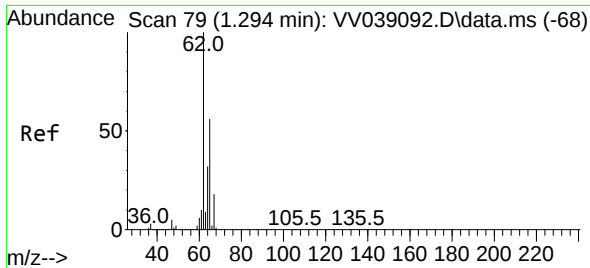
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025

Quant Time: Sep 17 02:22:55 2025
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Quant Title : TRACE VOA SFAM1.0
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Response via : Initial Calibration

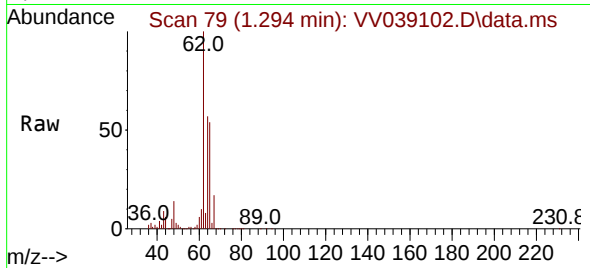
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#5
 Vinyl chloride
 Concen: 5.534 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: VV039102.D
 Acq: 16 Sep 2025 13:28

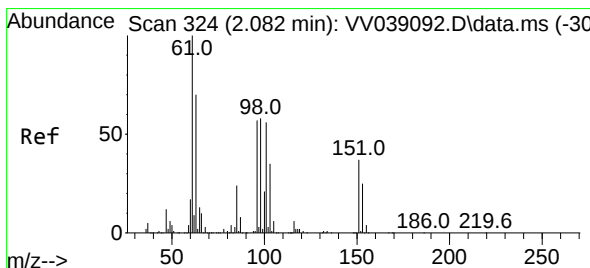
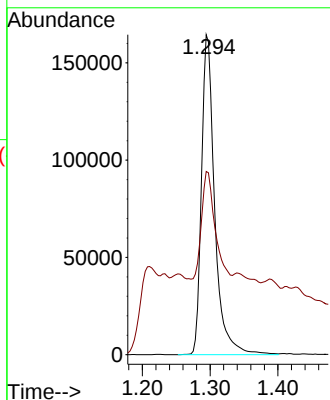
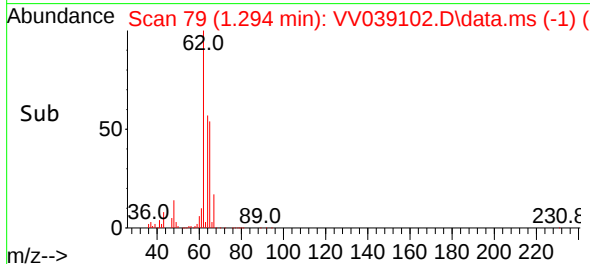
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-7D(20250910)



Tgt Ion: 62 Resp: 222408
 Ion Ratio Lower Upper
 62 100
 64 57.3 22.4 41.6

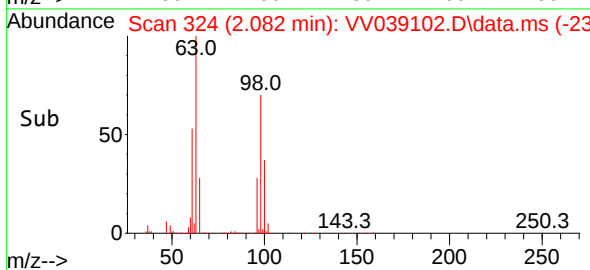
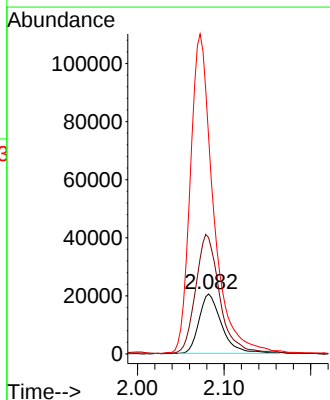
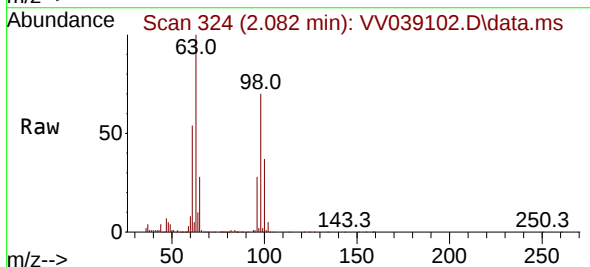
Manual Integrations
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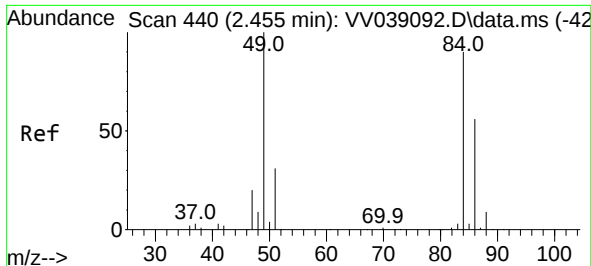
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/17/2025



#12
 1,1-Dichloroethene
 Concen: 1.227 ug/L
 RT: 2.082 min Scan# 324
 Delta R.T. -0.000 min
 Lab File: VV039102.D
 Acq: 16 Sep 2025 13:28

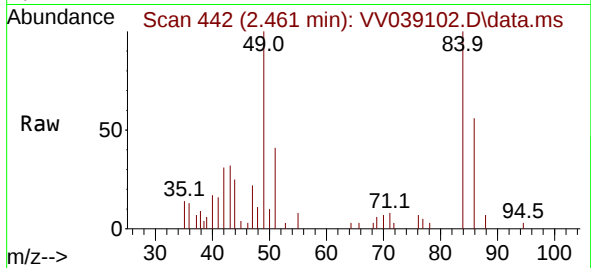
Tgt Ion: 96 Resp: 36962
 Ion Ratio Lower Upper
 96 100
 61 193.8 124.7 231.7
 63 362.2 93.5 173.7





#16
Methylene chloride
Concen: 0.220 ug/L
RT: 2.461 min Scan# 440
Delta R.T. 0.006 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28

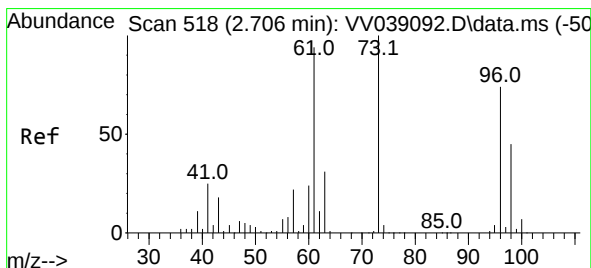
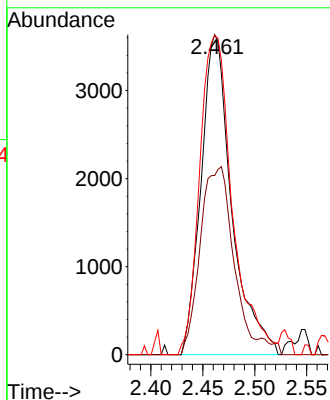
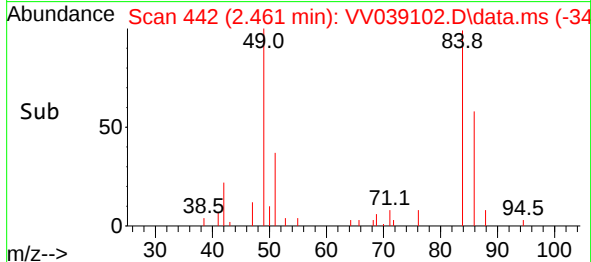
Instrument :
MSVOA_V
ClientSampleId :
PMW-7D(20250910)



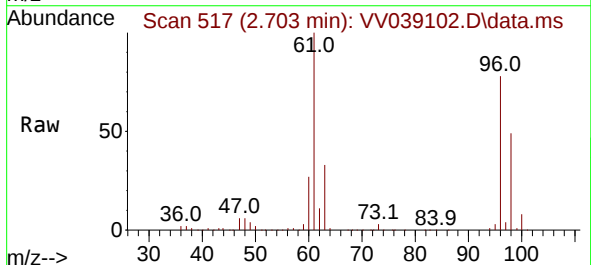
Tgt Ion: 84 Resp: 7449
Ion Ratio Lower Upper
84 100
86 56.0 44.2 82.2
49 99.8 80.6 149.6

Manual Integrations
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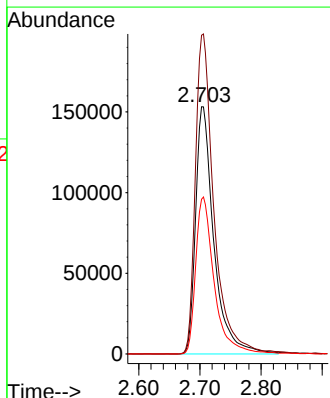
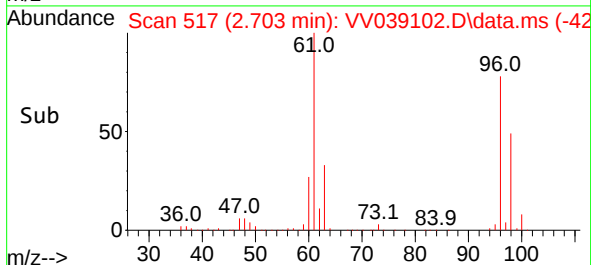
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025

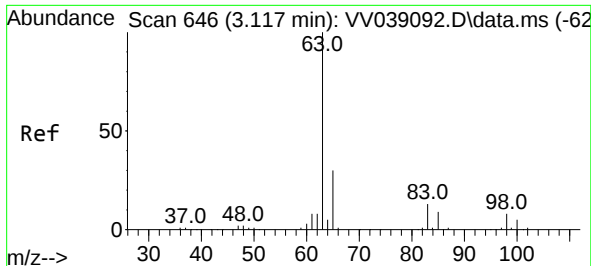


#18
trans-1,2-Dichloroethene
Concen: 10.373 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28



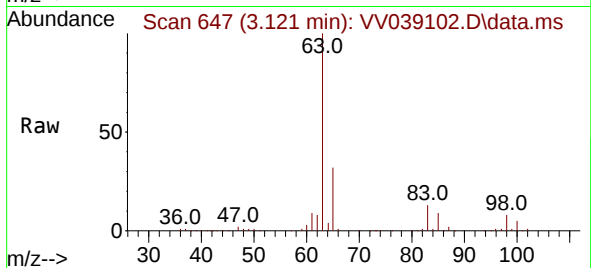
Tgt Ion: 96 Resp: 318170
Ion Ratio Lower Upper
96 100
61 128.9 89.7 166.5
98 62.6 44.9 83.3





#19
1,1-Dichloroethane
Concen: 15.260 ug/L
RT: 3.121 min Scan# 646
Delta R.T. 0.003 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28

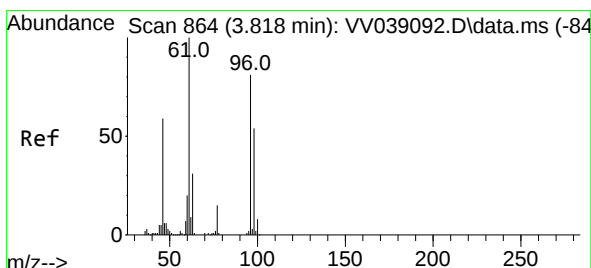
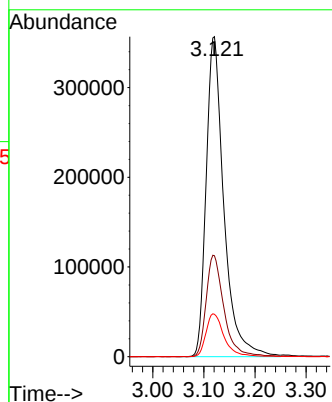
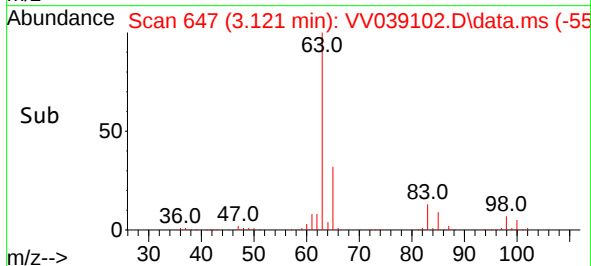
Instrument :
MSVOA_V
ClientSampleId :
PMW-7D(20250910)



Tgt Ion: 63 Resp: 858479
Ion Ratio Lower Upper
63 100
65 31.5 21.5 39.9
83 13.2 9.2 17.2

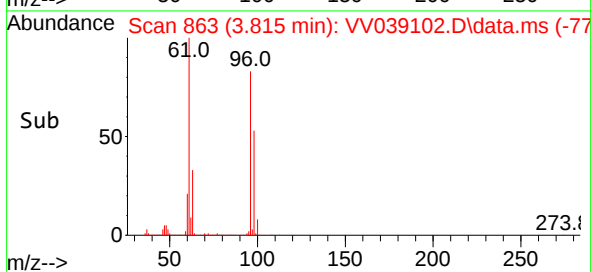
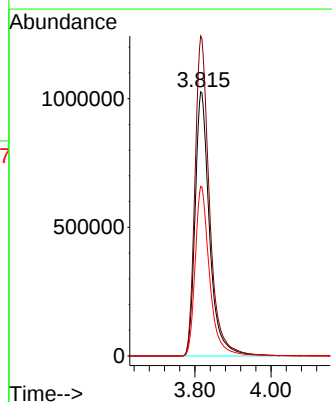
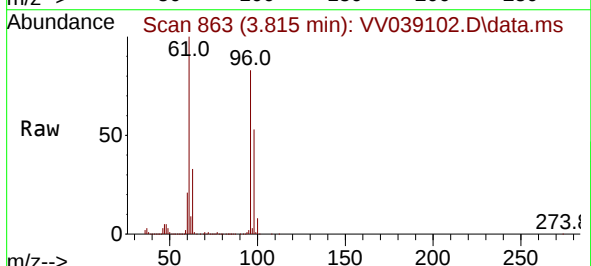
Manual Integrations
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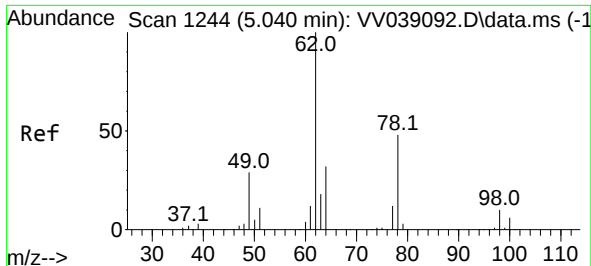
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#22
cis-1,2-Dichloroethene
Concen: 90.409 ug/L
RT: 3.815 min Scan# 863
Delta R.T. -0.003 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28

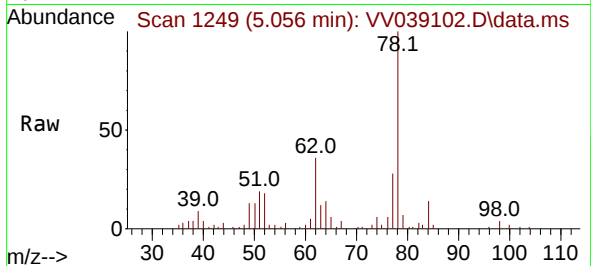
Tgt Ion: 96 Resp: 2706458
Ion Ratio Lower Upper
96 100
61 121.2 85.4 158.6
98 64.2 46.6 86.6





#27
1,2-Dichloroethane
Concen: 0.652 ug/L
RT: 5.056 min Scan# 1249
Delta R.T. 0.016 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28

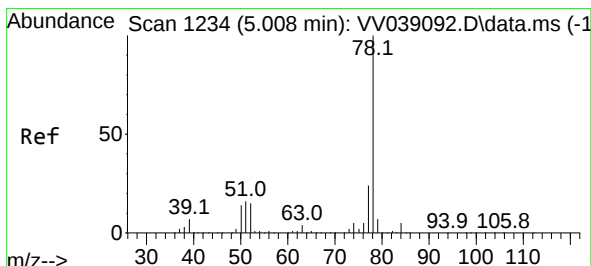
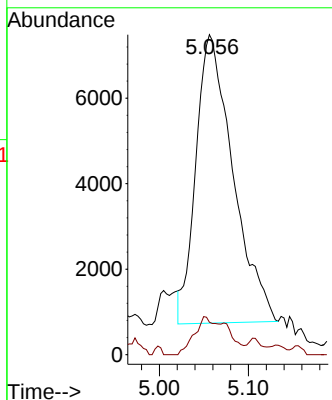
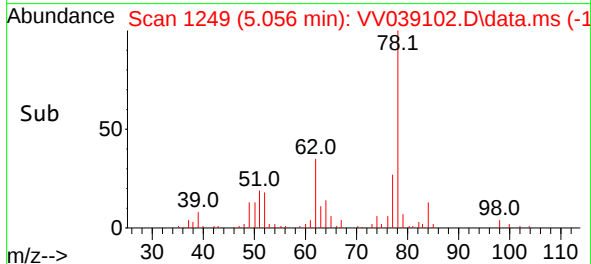
Instrument :
MSVOA_V
ClientSampleId :
PMW-7D(20250910)



Tgt Ion: 62 Resp: 19504
Ion Ratio Lower Upper
62 100
98 10.2 8.6 12.8

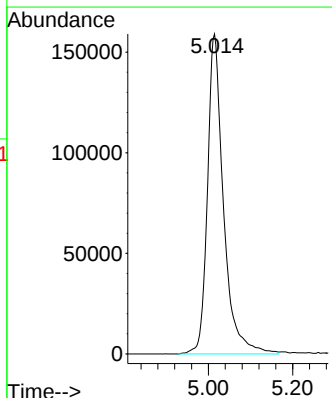
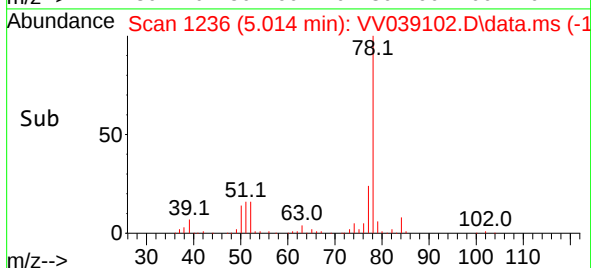
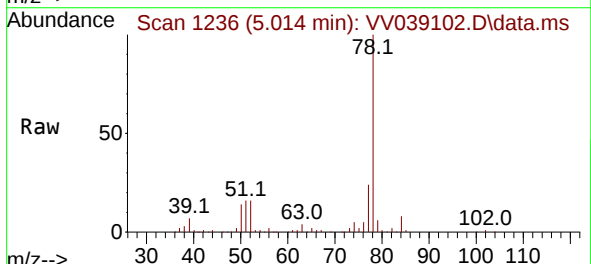
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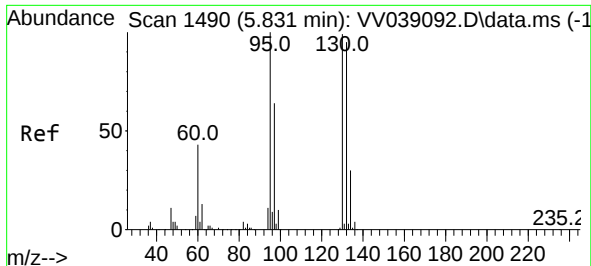
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#33
Benzene
Concen: 3.514 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28

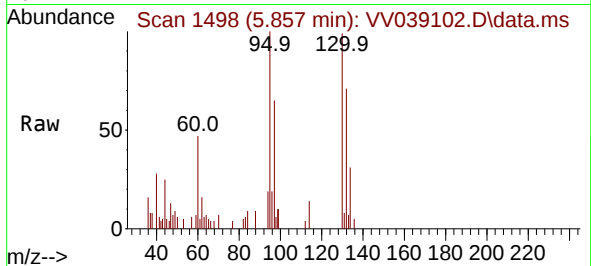
Tgt Ion: 78 Resp: 420192





#34
Trichloroethene
Concen: 0.188 ug/L
RT: 5.857 min Scan# 1490
Delta R.T. 0.026 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28

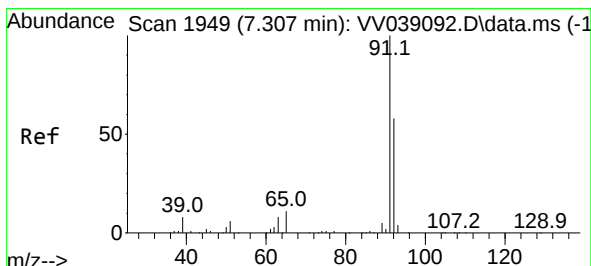
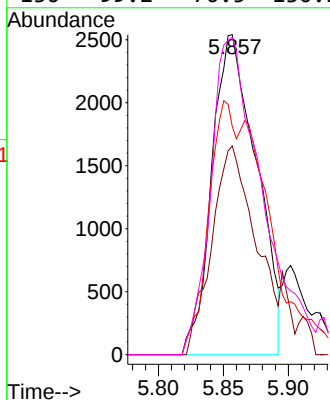
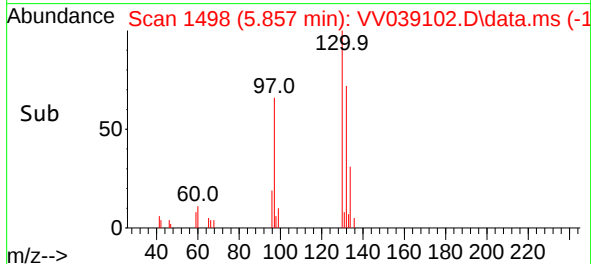
Instrument :
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PMW-7D(20250910)



Tgt Ion: 95 Resp: 6040
Ion Ratio Lower Upper
95 100
97 65.2 43.3 80.5
132 71.3 65.5 121.7
130 99.2 70.5 130.9

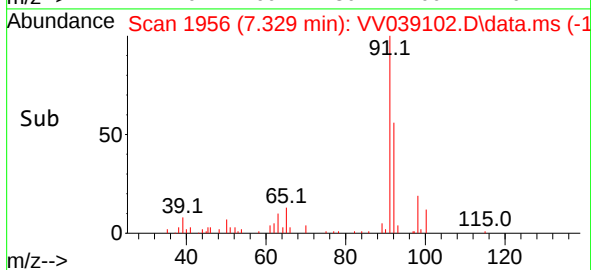
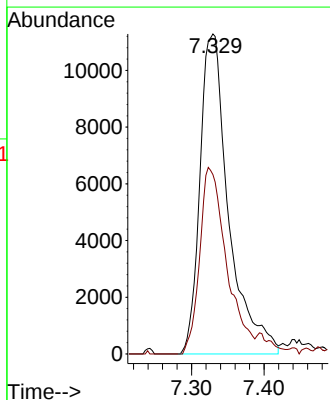
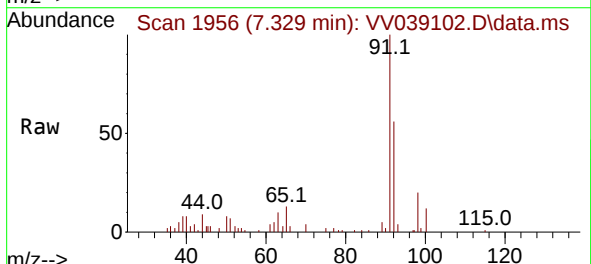
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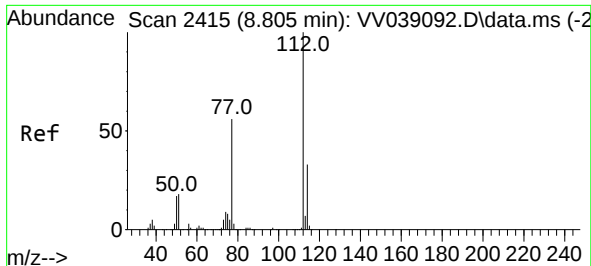
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#42
Toluene
Concen: 0.249 ug/L
RT: 7.329 min Scan# 1956
Delta R.T. 0.022 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28

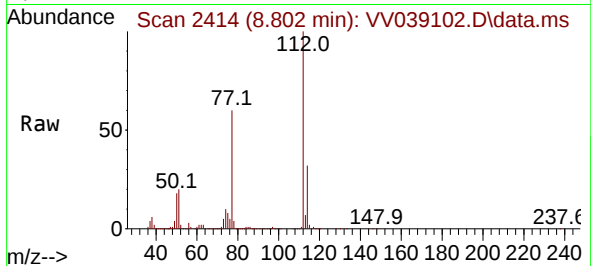
Tgt Ion: 91 Resp: 31022
Ion Ratio Lower Upper
91 100
92 56.0 40.5 75.1





#51
Chlorobenzene
Concen: 40.887 ug/L
RT: 8.802 min Scan# 2415
Delta R.T. -0.003 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28

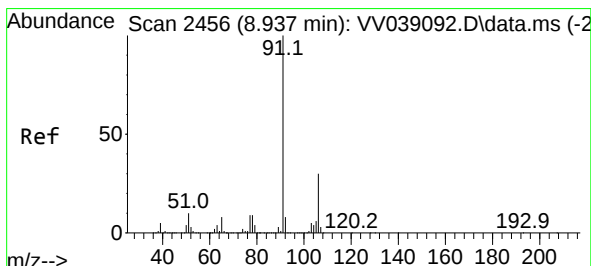
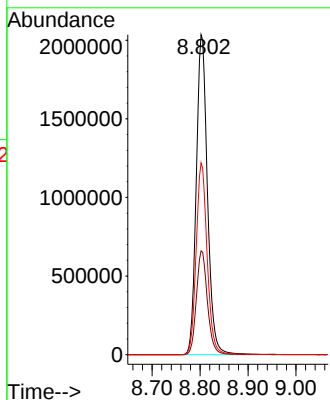
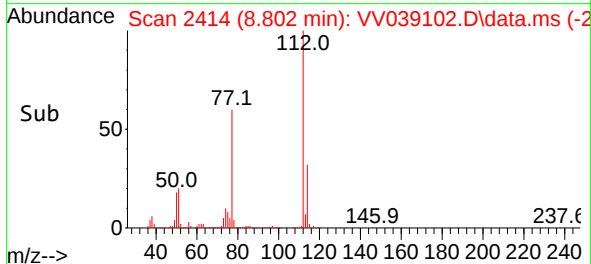
Instrument :
MSVOA_V
ClientSampleId :
PMW-7D(20250910)



Tgt Ion: 112 Resp: 328911
Ion Ratio Lower Upper
112 100
114 32.5 23.0 42.6
77 60.0 46.6 69.8

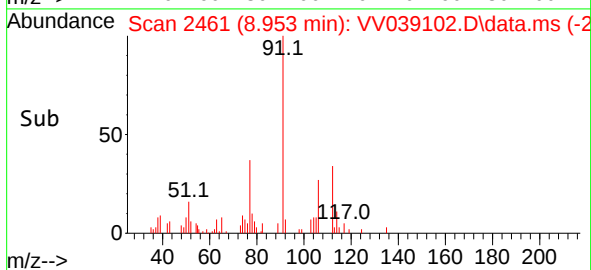
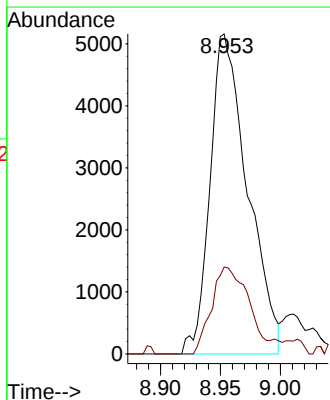
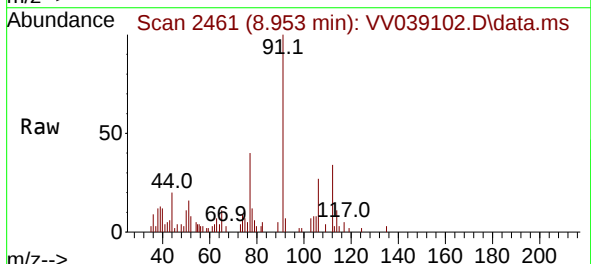
Manual Integrations
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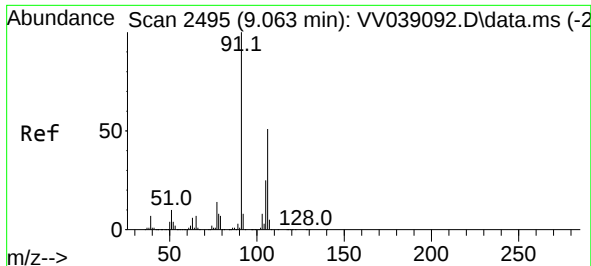
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#52
Ethylbenzene
Concen: 0.087 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.016 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28

Tgt Ion: 91 Resp: 11229
Ion Ratio Lower Upper
91 100
106 27.2 20.8 38.6





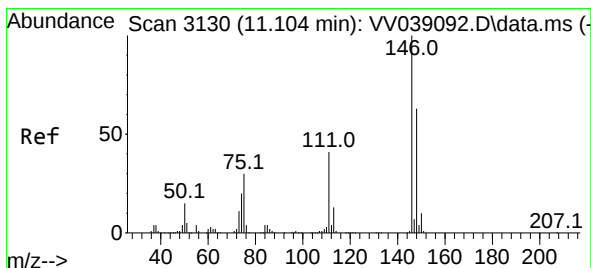
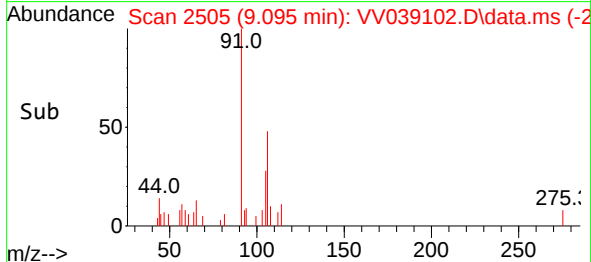
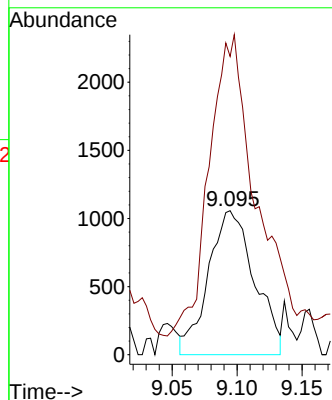
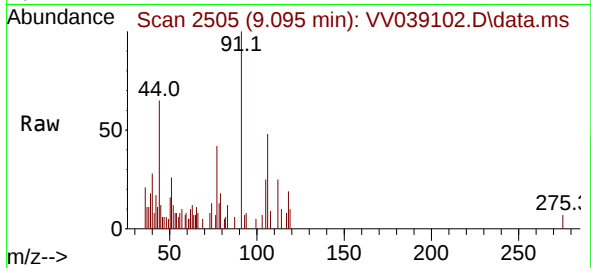
#53
m,p-Xylene
Concen: 0.052 ug/L
RT: 9.095 min Scan# 2106
Delta R.T. 0.032 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28

Instrument :
MSVOA_V
ClientSampleId :
PMW-7D(20250910)

Tgt Ion:106 Resp: 260
Ion Ratio Lower Upper
106 100
91 207.1 140.1 260.3

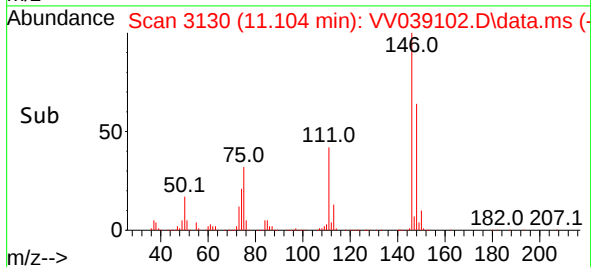
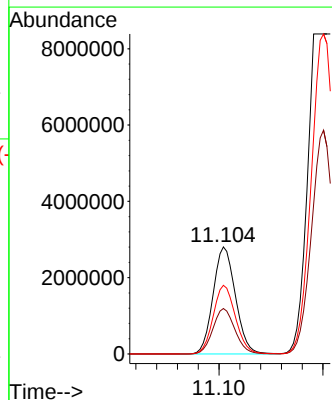
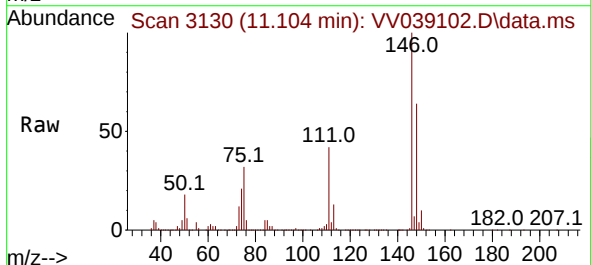
Manual Integrations
APPROVED

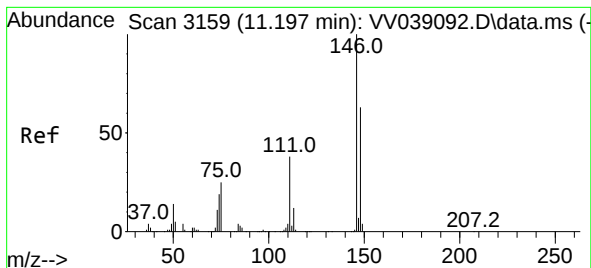
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#64
1,3-Dichlorobenzene
Concen: 59.504 ug/L
RT: 11.104 min Scan# 3130
Delta R.T. -0.000 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28

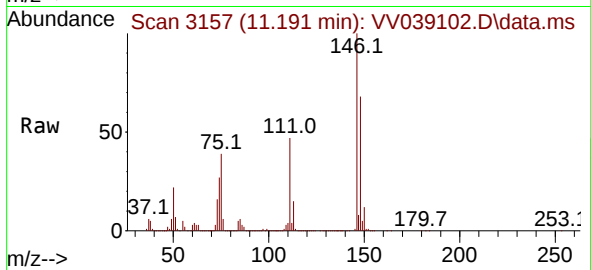
Tgt Ion:146 Resp: 4192048
Ion Ratio Lower Upper
146 100
111 42.4 28.3 52.7
148 64.1 42.9 79.7





#65
1,4-Dichlorobenzene
Concen: 224.663 ug/L m
RT: 11.191 min Scan# 3159
Delta R.T. -0.007 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28

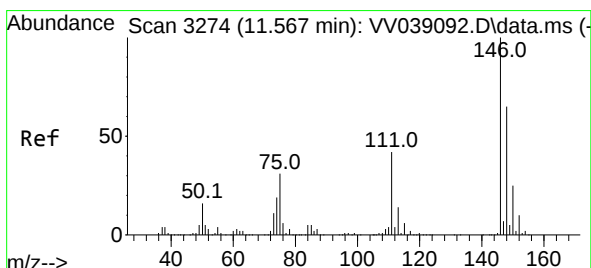
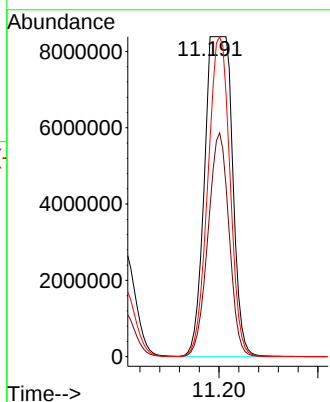
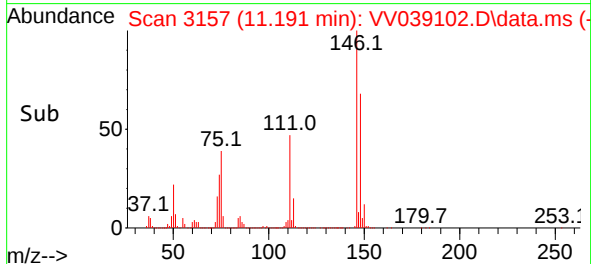
Instrument :
MSVOA_V
ClientSampleId :
PMW-7D(20250910)



Tgt Ion:146 Resp:1637350
Ion Ratio Lower Upper
146 100
111 46.8 27.2 50.6
148 67.9 43.8 81.4

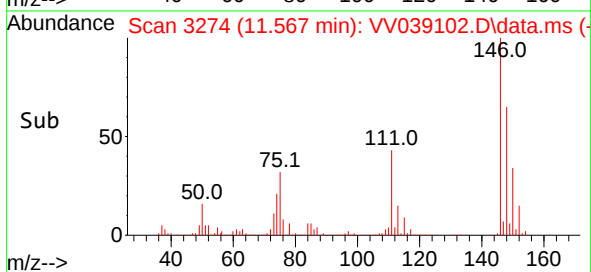
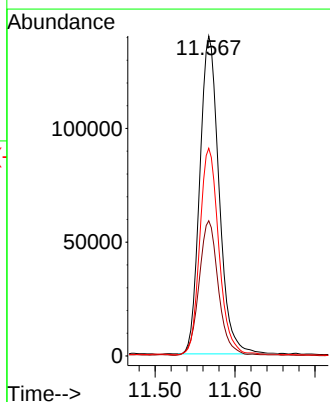
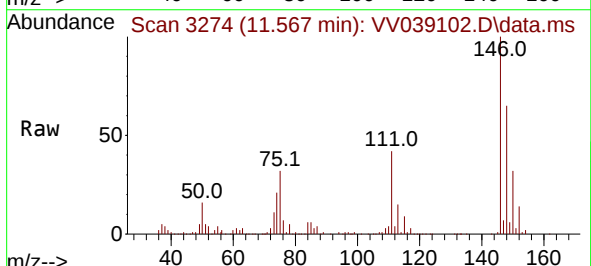
Manual Integrations
APPROVED

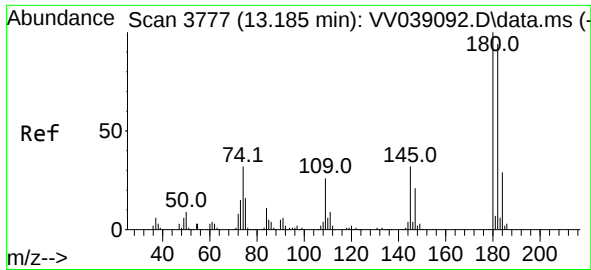
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#67
1,2-Dichlorobenzene
Concen: 3.754 ug/L
RT: 11.567 min Scan# 3274
Delta R.T. -0.000 min
Lab File: VV039102.D
Acq: 16 Sep 2025 13:28

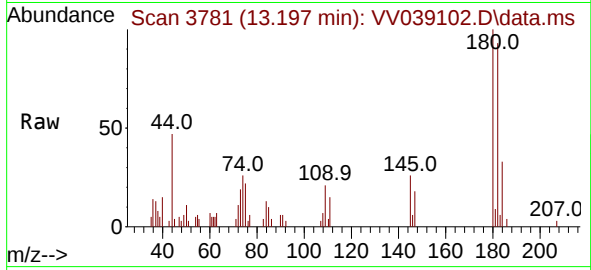
Tgt Ion:146 Resp: 234359
Ion Ratio Lower Upper
146 100
111 42.2 33.4 50.2
148 64.9 51.1 76.7





#70
 1,2,4-trichlorobenzene
 Concen: 0.199 ug/L
 RT: 13.197 min Scan# 31
 Delta R.T. 0.013 min
 Lab File: VV039102.D
 Acq: 16 Sep 2025 13:28

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-7D(20250910)



Tgt Ion:	180	Resp:	692
Ion Ratio	Lower	Upper	
180	100		
182	95.4	73.2	109.8
145	28.1	25.0	37.4

Manual Integrations
 APPROVED

Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/17/2025

