

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW091625\
 Data File : VW039101.D
 Acq On : 16 Sep 2025 13:06
 Operator : SY/MD
 Sample : Q3084-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 17 02:22:37 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	5.535	114	366564	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	373562	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	216347	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	125817	4.352	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	87.000%	
7) Chloroethane-d5	1.545	69	119794	4.782	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	95.600%	
11) 1,1-Dichloroethene-d2	2.073	65	56909	4.132	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	82.600%	
20) 2-Butanone-d5	3.789	46	233422	54.360	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	108.720%	
24) Chloroform-d	4.256	84	269592	4.801	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.000%	
26) 1,2-Dichloroethane-d4	4.947	65	121795	5.151	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	103.000%	
32) Benzene-d6	4.963	84	480428	4.700	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.000%	
36) 1,2-Dichloropropane-d6	5.989	67	154847	5.068	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	101.400%	
41) Toluene-d8	7.240	98	358240	3.915	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	78.200%	
43) trans-1,3-Dichloroprop...	7.558	79	44772	4.006	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	80.200%	
46) 2-Hexanone-d5	8.014	63	164025	45.337	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	90.680%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	112993	5.180	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	103.600%	
66) 1,2-Dichlorobenzene-d4	11.548	152	136059	3.907	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	78.200%#	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.294	62	222723	5.549	ug/L #	82
12) 1,1-Dichloroethene	2.082	96	34764	1.155	ug/L #	1
16) Methylene chloride	2.462	84	5409	0.160	ug/L	97
17) Methyl tert-butyl Ether	2.716	73	16449	0.318	ug/L #	71
18) trans-1,2-Dichloroethene	2.706	96	287312	9.378	ug/L	97
19) 1,1-Dichloroethane	3.118	63	859953	15.304	ug/L	98
22) cis-1,2-Dichloroethene	3.815	96	2587463	86.535	ug/L	98
27) 1,2-Dichloroethane	5.060	62	19626	0.657	ug/L	100
33) Benzene	5.015	78	311650	2.650	ug/L	100
42) Toluene	7.326	91	27005	0.220	ug/L	96
51) Chlorobenzene	8.802	112	3080084	38.940	ug/L	99
52) Ethylbenzene	8.956	91	11342	0.090	ug/L	93
64) 1,3-Dichlorobenzene	11.104	146	3860106	54.665	ug/L	97
65) 1,4-Dichlorobenzene	11.191	146	15939439m	218.201	ug/L	
67) 1,2-Dichlorobenzene	11.567	146	223564	3.573	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	7152	0.205	ug/L	97

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

Instrument :

MSVOA_V

ClientSampleId :

PMW-7S(20250910)

Manual Integrations**APPROVED**

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/17/2025

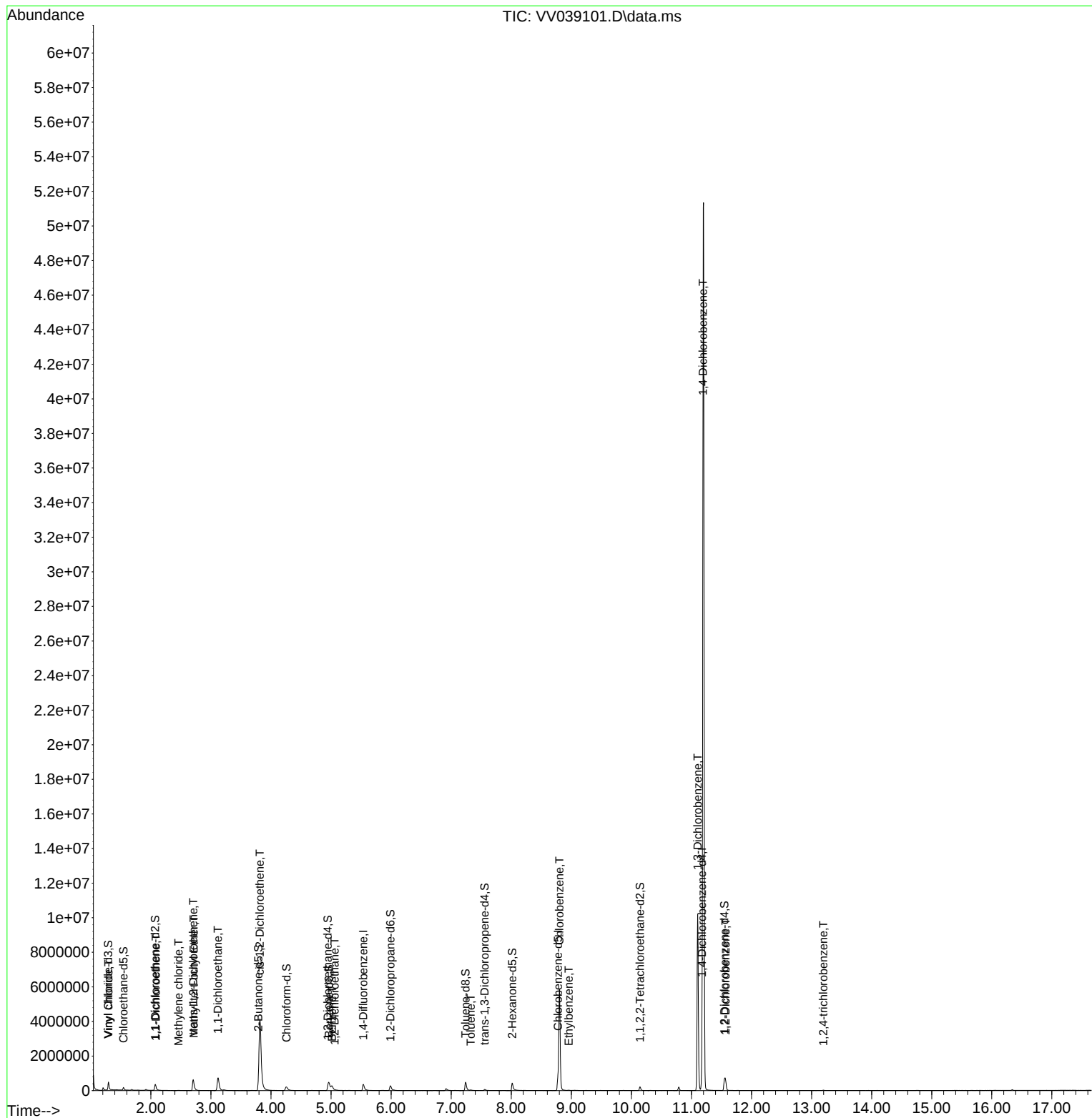
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Data File : VV039101.D
Acq On : 16 Sep 2025 13:06
Operator : SY/MD
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Misc : 25.0mL/MSVOA_V/WATER
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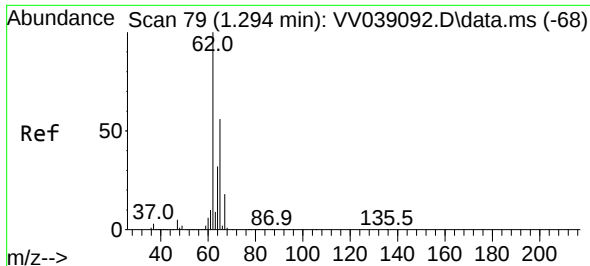
Instrument :
MSVOA_V
ClientSampleId :
PMW-7S(20250910)

Manual Integrations
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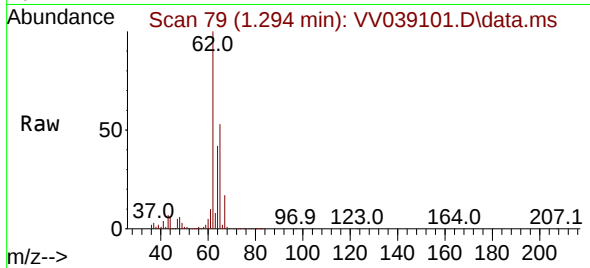
Quant Time: Sep 17 02:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 17 02:19:46 2025
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 5.549 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: VV039101.D
 Acq: 16 Sep 2025 13:06

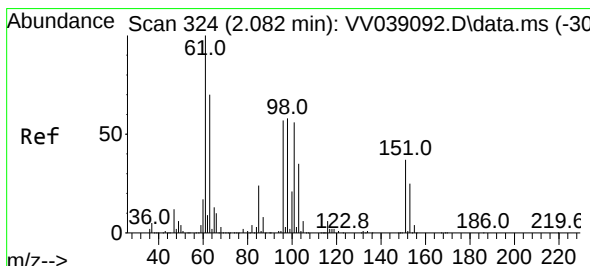
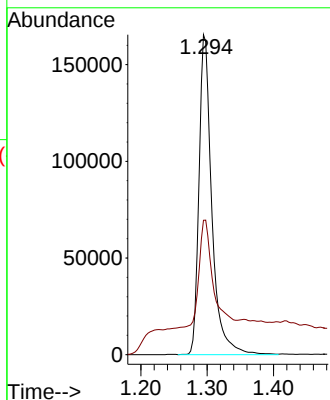
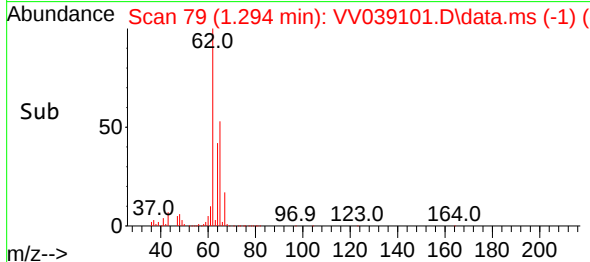
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-7S(20250910)



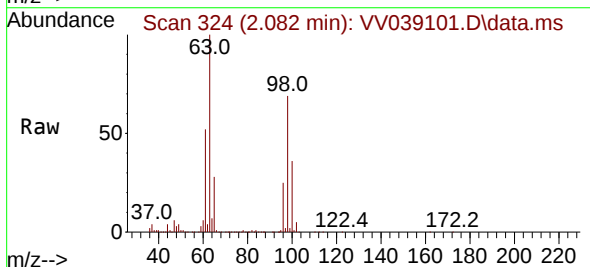
Tgt Ion: 62 Resp: 222723
 Ion Ratio Lower Upper
 62 100
 64 42.0 22.4 41.6

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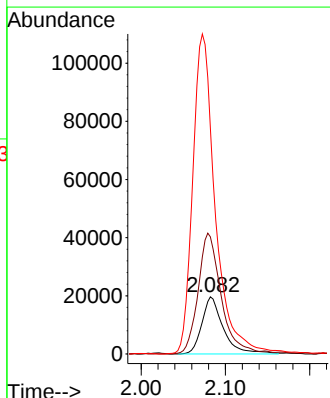
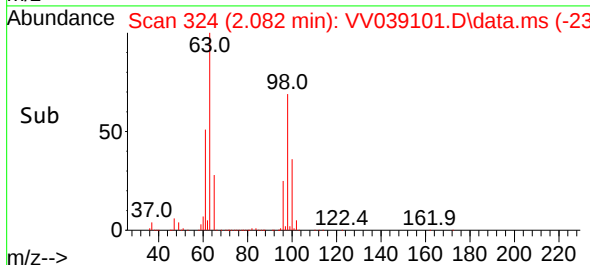
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/17/2025

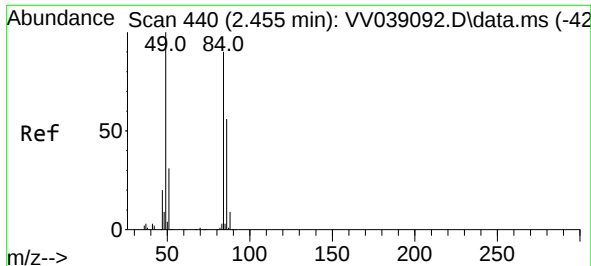


#12
 1,1-Dichloroethene
 Concen: 1.155 ug/L
 RT: 2.082 min Scan# 324
 Delta R.T. 0.000 min
 Lab File: VV039101.D
 Acq: 16 Sep 2025 13:06



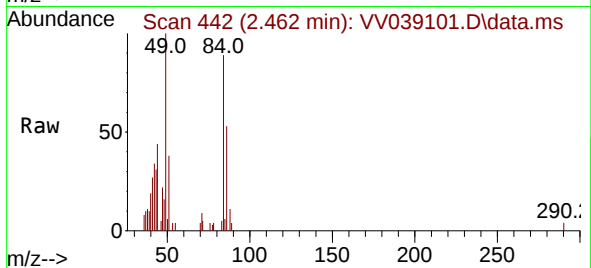
Tgt Ion: 96 Resp: 34764
 Ion Ratio Lower Upper
 96 100
 61 204.9 124.7 231.7
 63 395.9 93.5 173.7





#16
Methylene chloride
Concen: 0.160 ug/L
RT: 2.462 min Scan# 440
Delta R.T. 0.006 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06

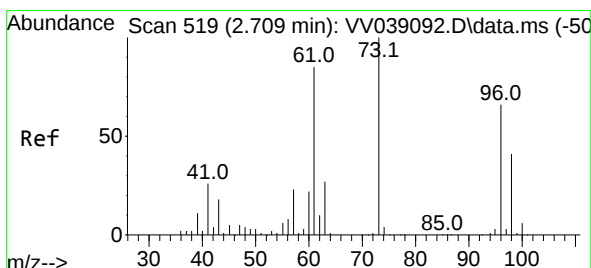
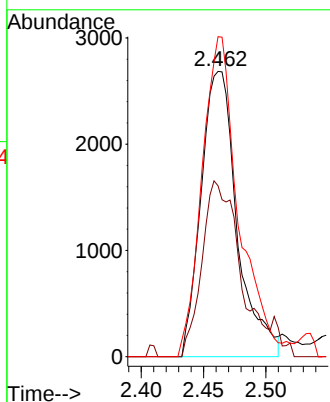
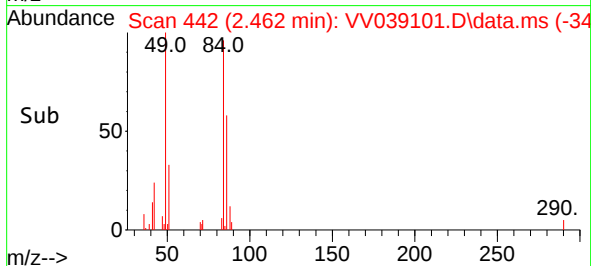
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Tgt Ion: 84 Resp: 5409
Ion Ratio Lower Upper
84 100
86 59.9 44.2 82.2
49 112.1 80.6 149.6

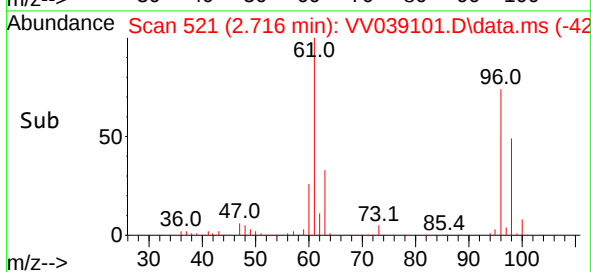
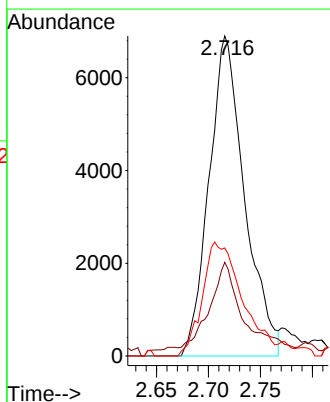
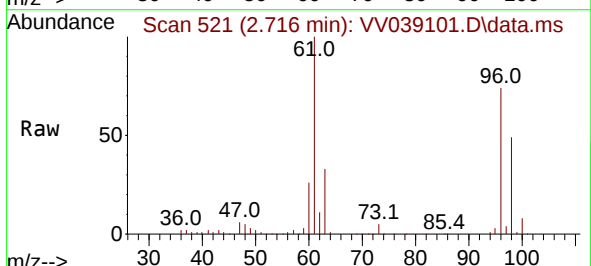
Manual Integrations
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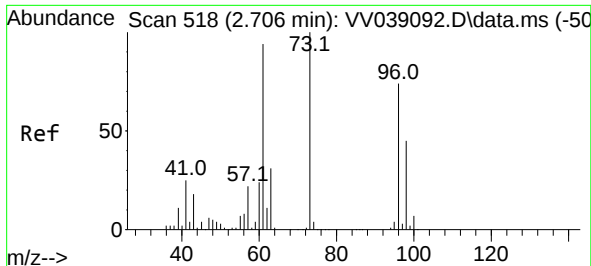
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#17
Methyl tert-butyl Ether
Concen: 0.318 ug/L
RT: 2.716 min Scan# 521
Delta R.T. 0.007 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06

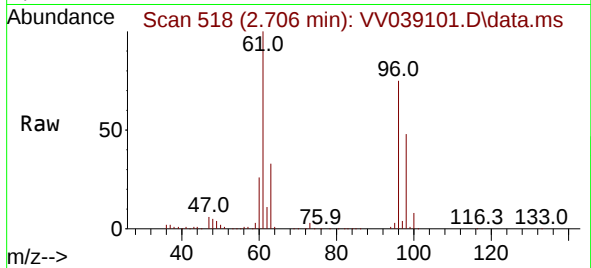
Tgt Ion: 73 Resp: 16449
Ion Ratio Lower Upper
73 100
43 27.5 14.7 22.1#
57 39.7 18.0 27.0#





#18
trans-1,2-Dichloroethene
Concen: 9.378 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06

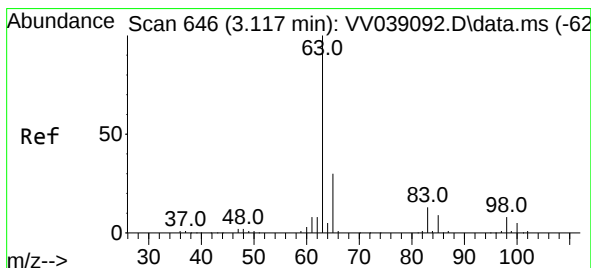
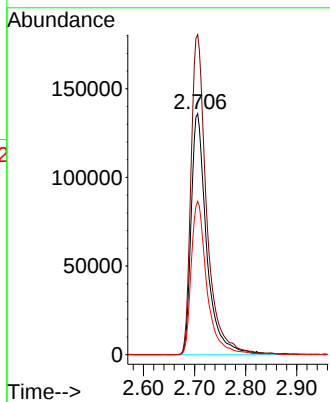
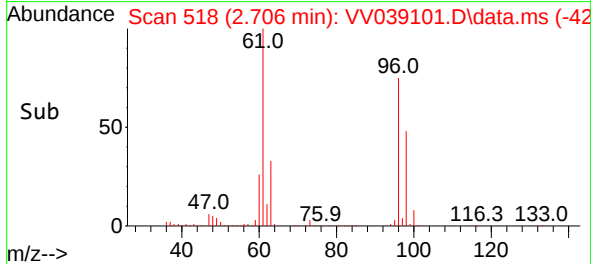
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PMW-7S(20250910)



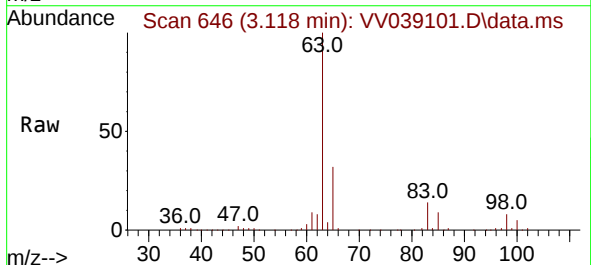
Tgt Ion: 96 Resp: 287312
Ion Ratio Lower Upper
96 100
61 132.8 89.7 166.5
98 63.6 44.9 83.3

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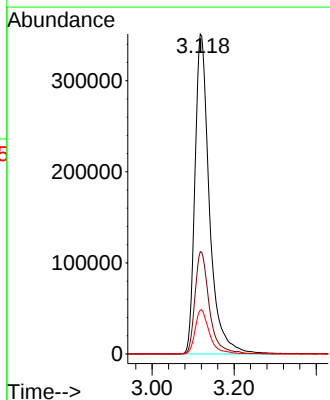
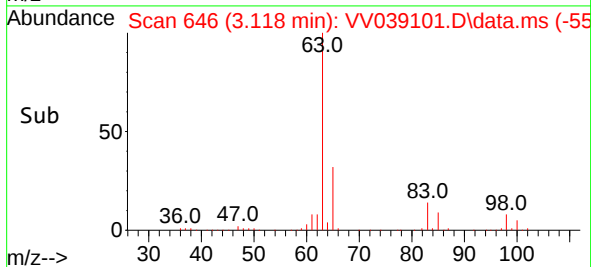
Reviewed By :John Carlone 09/17/2025
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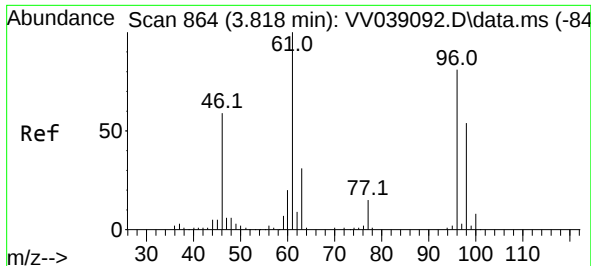


#19
1,1-Dichloroethane
Concen: 15.304 ug/L
RT: 3.118 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06



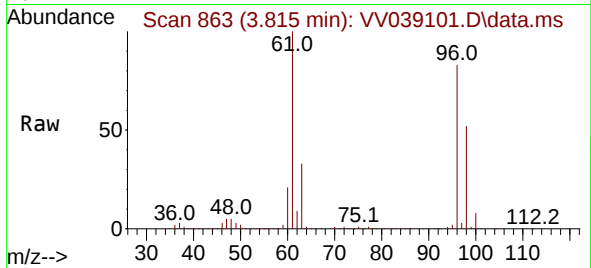
Tgt Ion: 63 Resp: 859953
Ion Ratio Lower Upper
63 100
65 32.0 21.5 39.9
83 13.7 9.2 17.2





#22
cis-1,2-Dichloroethene
Concen: 86.535 ug/L
RT: 3.815 min Scan# 80
Delta R.T. -0.003 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06

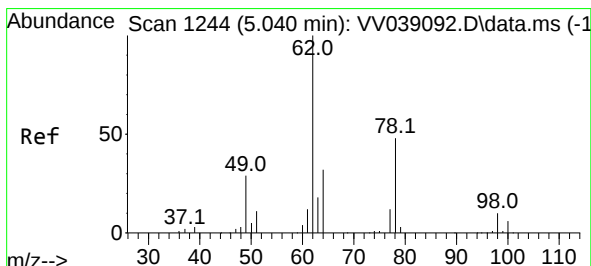
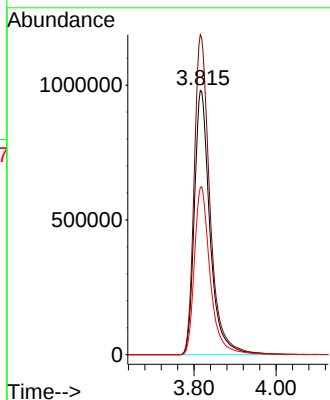
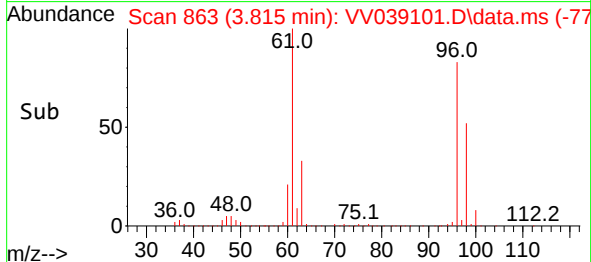
Instrument :
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Tgt Ion: 96 Resp: 258746
Ion Ratio Lower Upper
96 100
61 121.0 85.4 158.6
98 63.2 46.6 86.6

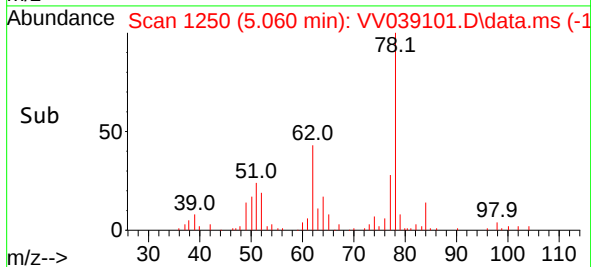
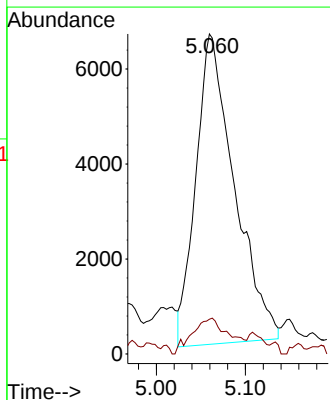
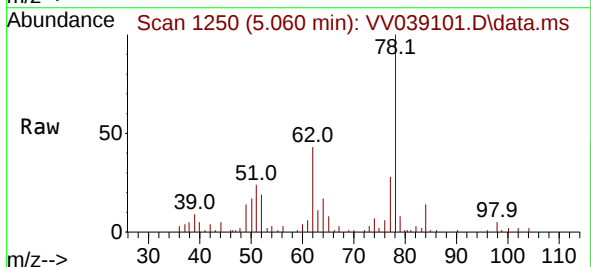
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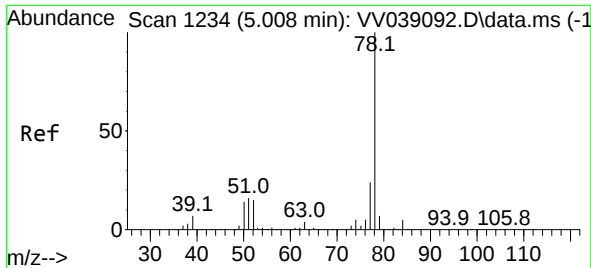
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#27
1,2-Dichloroethane
Concen: 0.657 ug/L
RT: 5.060 min Scan# 1250
Delta R.T. 0.019 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06

Tgt Ion: 62 Resp: 19626
Ion Ratio Lower Upper
62 100
98 10.8 8.6 12.8





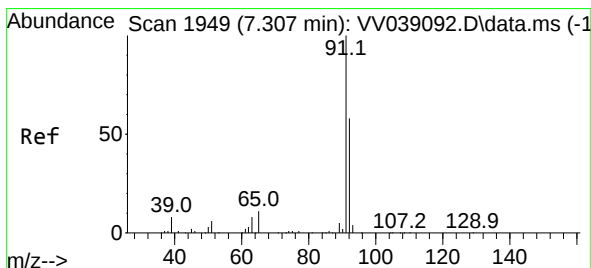
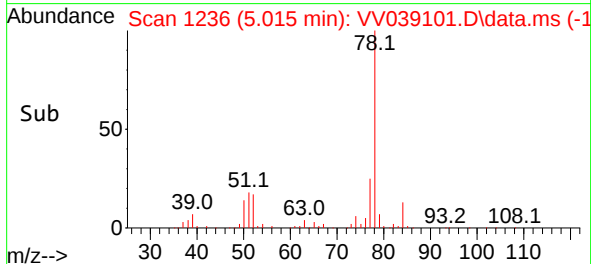
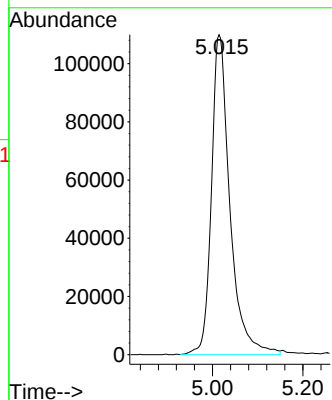
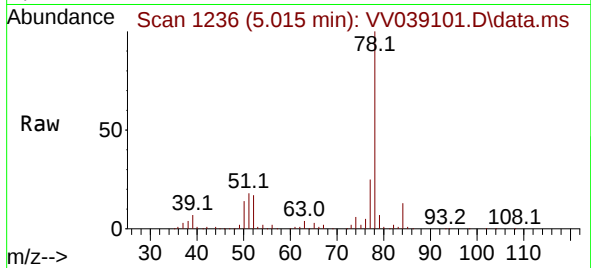
#33
Benzene
Concen: 2.650 ug/L
RT: 5.015 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06

Instrument :
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PMW-7S(20250910)

Tgt Ion: 78 Resp: 311650

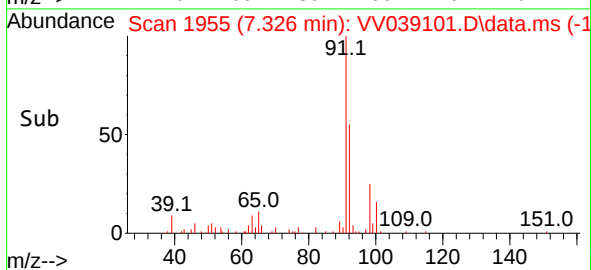
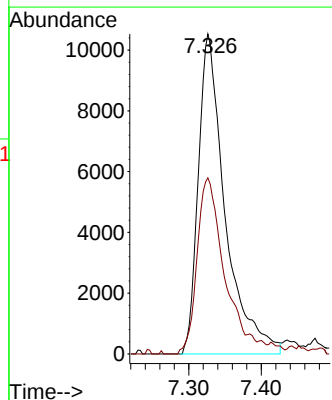
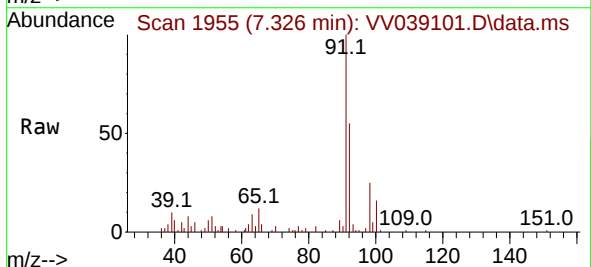
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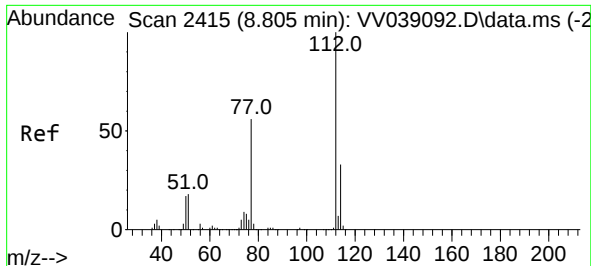
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#42
Toluene
Concen: 0.220 ug/L
RT: 7.326 min Scan# 1955
Delta R.T. 0.019 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06

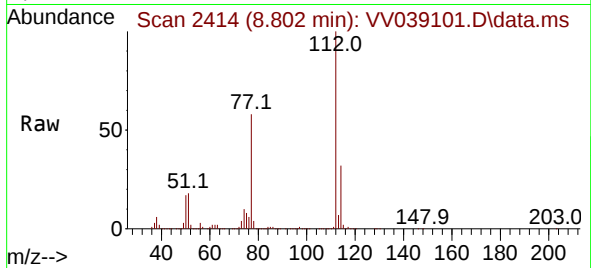
Tgt Ion: 91 Resp: 27005
Ion Ratio Lower Upper
91 100
92 55.0 40.5 75.1





#51
Chlorobenzene
Concen: 38.940 ug/L
RT: 8.802 min Scan# 2415
Delta R.T. -0.003 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06

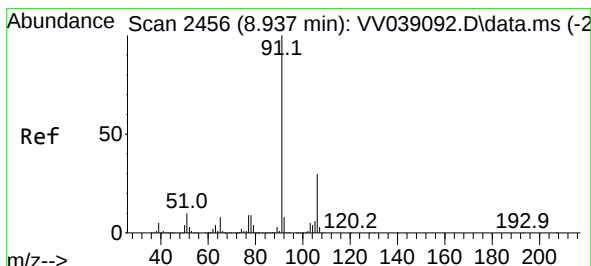
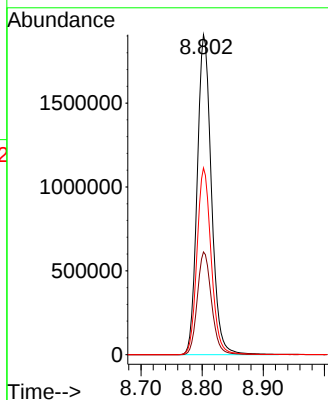
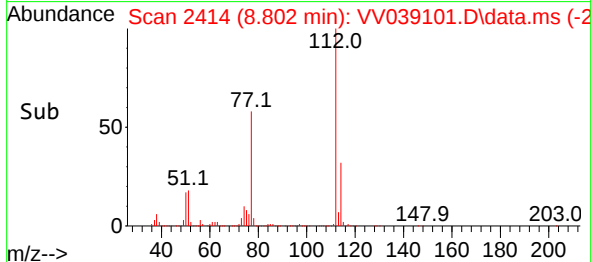
Instrument :
MSVOA_V
ClientSampleId :
PMW-7S(20250910)



Tgt Ion:112 Resp: 3080084
Ion Ratio Lower Upper
112 100
114 32.1 23.0 42.6
77 58.3 46.6 69.8

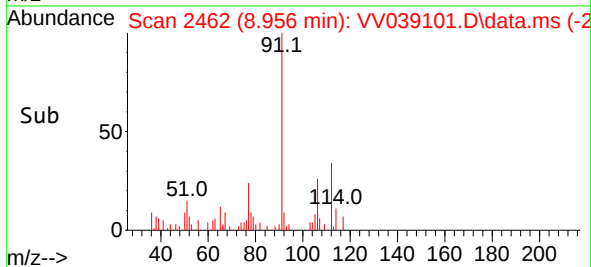
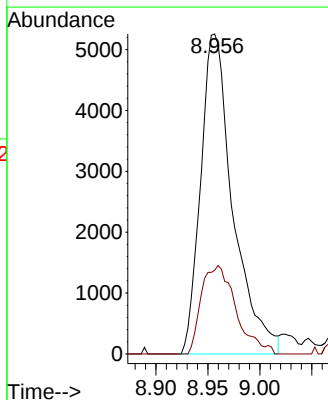
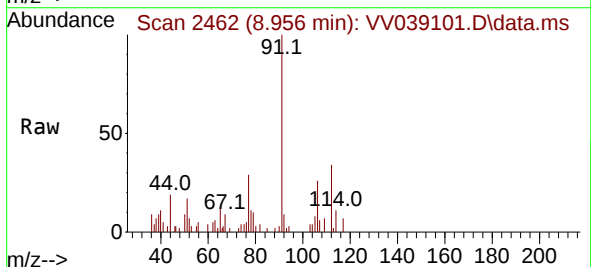
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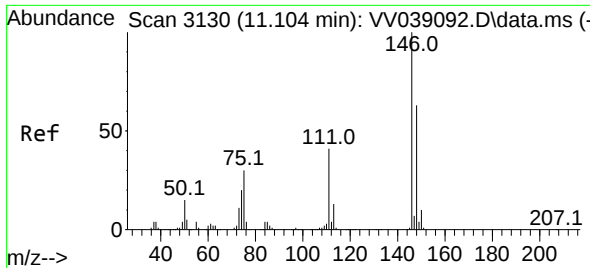
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#52
Ethylbenzene
Concen: 0.090 ug/L
RT: 8.956 min Scan# 2462
Delta R.T. 0.019 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06

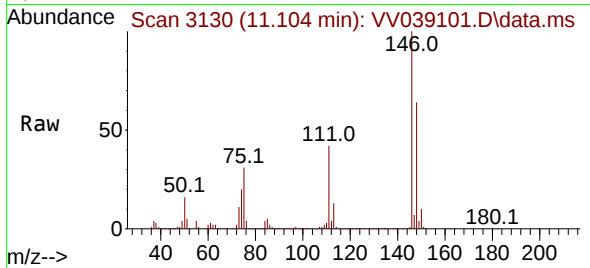
Tgt Ion: 91 Resp: 11342
Ion Ratio Lower Upper
91 100
106 26.2 20.8 38.6





#64
1,3-Dichlorobenzene
Concen: 54.665 ug/L
RT: 11.104 min Scan# 3130
Delta R.T. 0.000 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06

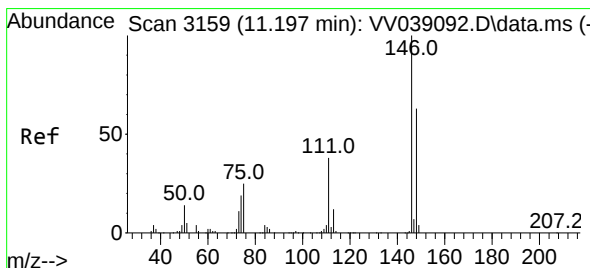
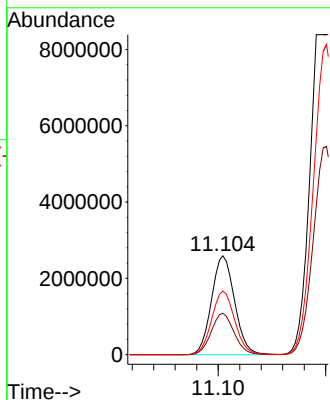
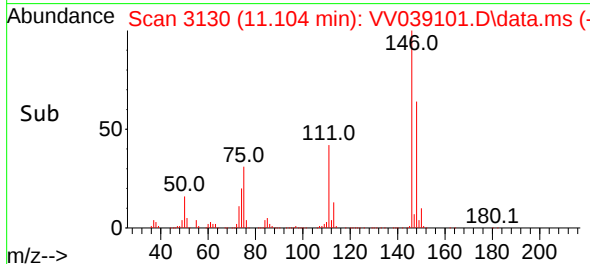
Instrument :
MSVOA_V
ClientSampleId :
PMW-7S(20250910)



Tgt Ion:146 Resp: 3860100
Ion Ratio Lower Upper
146 100
111 41.9 28.3 52.7
148 64.4 42.9 79.7

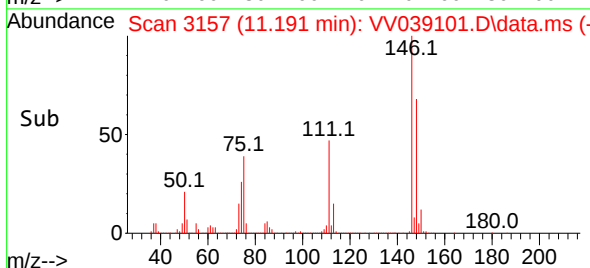
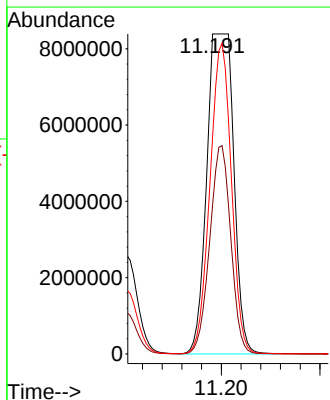
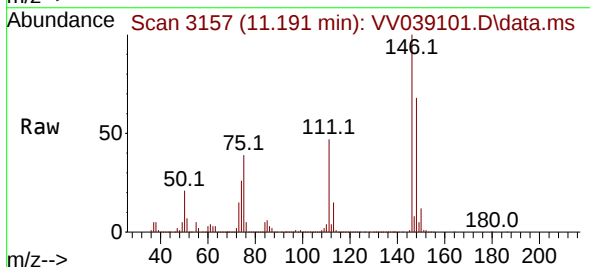
Manual Integrations
APPROVED

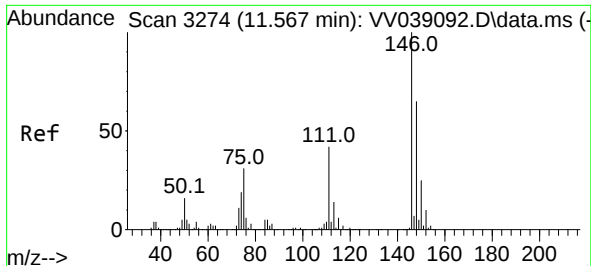
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#65
1,4-Dichlorobenzene
Concen: 218.201 ug/L m
RT: 11.191 min Scan# 3157
Delta R.T. -0.006 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06

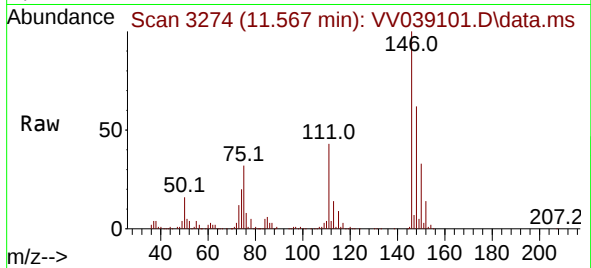
Tgt Ion:146 Resp:15939439
Ion Ratio Lower Upper
146 100
111 46.6 27.2 50.6
148 67.9 43.8 81.4





#67
1,2-Dichlorobenzene
Concen: 3.573 ug/L
RT: 11.567 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06

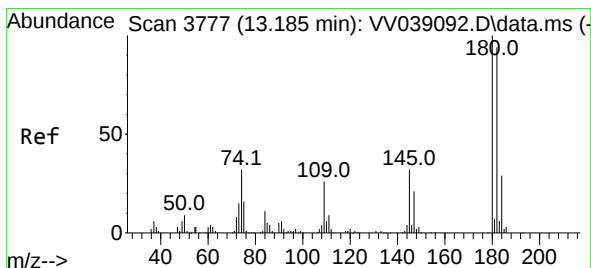
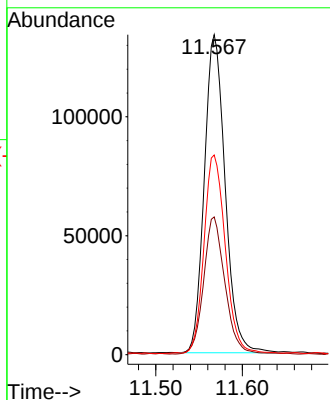
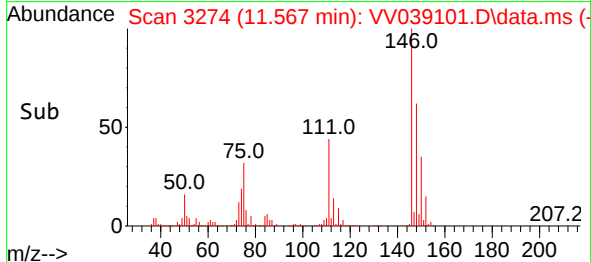
Instrument :
MSVOA_V
ClientSampleId :
PMW-7S(20250910)



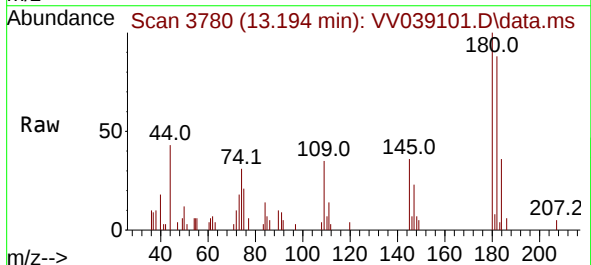
Tgt Ion:146 Resp: 223564
Ion Ratio Lower Upper
146 100
111 43.1 33.4 50.2
148 62.4 51.1 76.7

Manual Integrations
APPROVED

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



#70
1,2,4-trichlorobenzene
Concen: 0.205 ug/L
RT: 13.194 min Scan# 3780
Delta R.T. 0.010 min
Lab File: VV039101.D
Acq: 16 Sep 2025 13:06



Tgt Ion:180 Resp: 7152
Ion Ratio Lower Upper
180 100
182 92.8 73.2 109.8
145 35.7 25.0 37.4

