

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091625\
 Data File : VV039113.D
 Acq On : 16 Sep 2025 17:25
 Operator : SY/MD
 Sample : Q3084-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DUP(20250910)

Quant Time: Sep 17 02:26:03 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	385296	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	390563	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	222939	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	118419	3.897	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	78.000%	
7) Chloroethane-d5	1.545	69	106427	4.041	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	80.800%	
11) 1,1-Dichloroethene-d2	2.072	65	50477	3.487	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	69.800%	
20) 2-Butanone-d5	3.789	46	234909	52.047	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	104.100%	
24) Chloroform-d	4.256	84	253459	4.295	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	85.800%	
26) 1,2-Dichloroethane-d4	4.947	65	112021	4.507	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.200%	
32) Benzene-d6	4.963	84	445272	4.166	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	83.400%	
36) 1,2-Dichloropropane-d6	5.989	67	145531	4.556	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	91.200%	
41) Toluene-d8	7.239	98	334284	3.494	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	69.800%#	
43) trans-1,3-Dichloroprop...	7.558	79	44977	3.849	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	77.000%	
46) 2-Hexanone-d5	8.017	63	159763	42.236	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	84.480%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	105085	4.608	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	92.200%	
66) 1,2-Dichlorobenzene-d4	11.548	152	132535	3.693	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	73.800%#	
Target Compounds						
5) Vinyl chloride	1.294	62	225247	5.339	ug/L #	79
12) 1,1-Dichloroethene	2.082	96	33679	1.065	ug/L #	6
18) trans-1,2-Dichloroethene	2.706	96	279608	8.683	ug/L	96
19) 1,1-Dichloroethane	3.117	63	870957	14.746	ug/L	98
22) cis-1,2-Dichloroethene	3.818	96	2577086	81.998	ug/L	98
27) 1,2-Dichloroethane	5.063	62	23193m	0.739	ug/L	
33) Benzene	5.014	78	306977	2.497	ug/L	100
42) Toluene	7.326	91	26761	0.209	ug/L	98
51) Chlorobenzene	8.802	112	3103172	37.525	ug/L	99
52) Ethylbenzene	8.953	91	10378	0.079	ug/L	97
64) 1,3-Dichlorobenzene	11.104	146	3969260	54.549	ug/L	96
65) 1,4-Dichlorobenzene	11.191	146	16271159m	216.156	ug/L	
67) 1,2-Dichlorobenzene	11.567	146	226934	3.520	ug/L	97

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

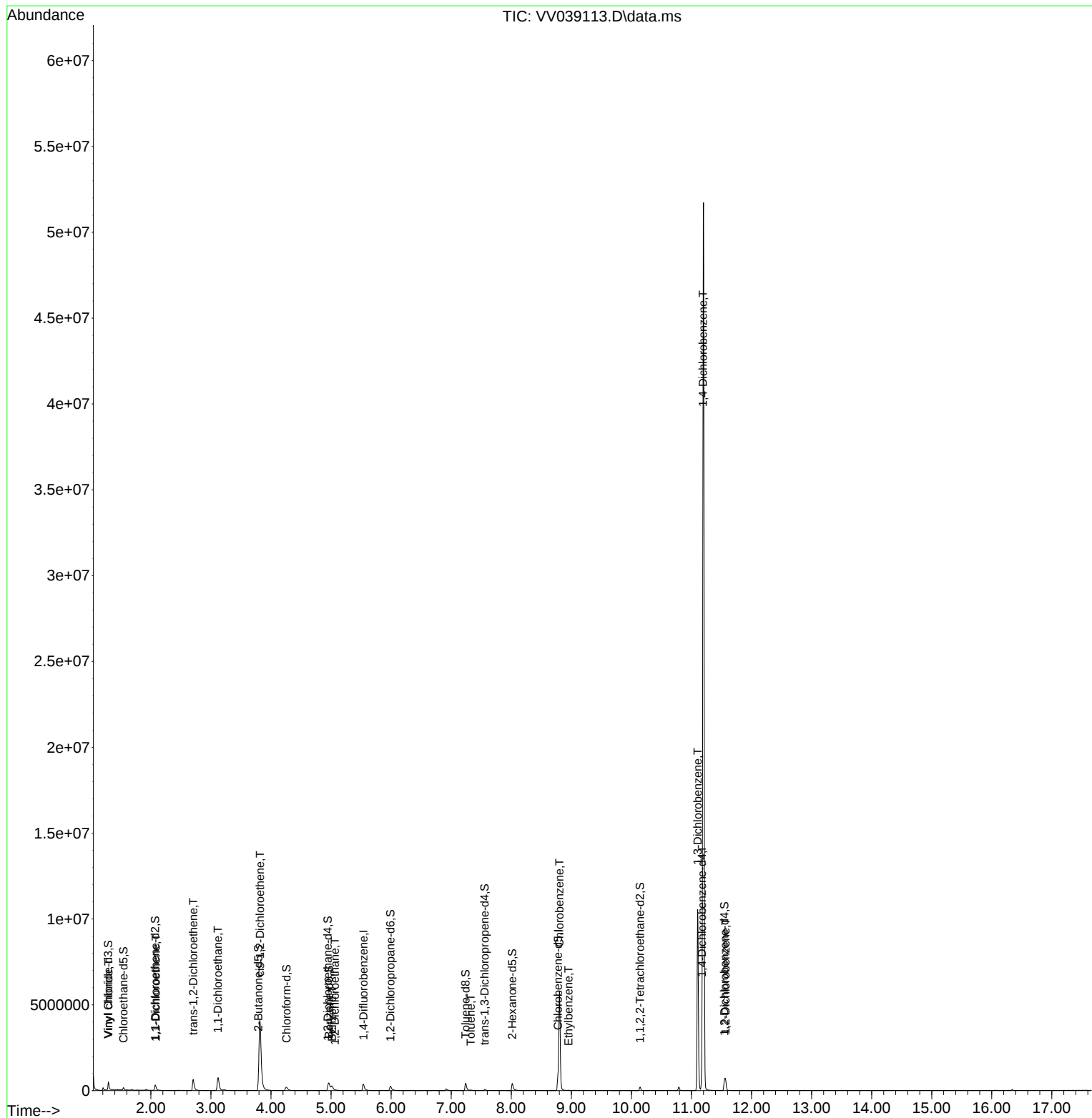
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091625\
Data File : VV039113.D
Acq On : 16 Sep 2025 17:25
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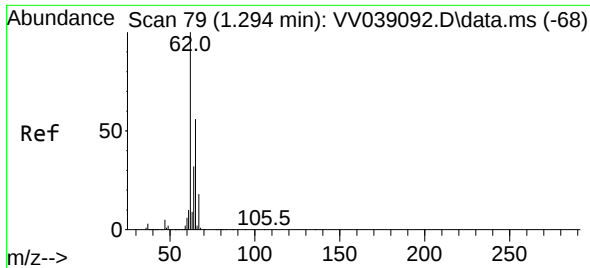
Instrument :
MSVOA_V
ClientSampleId :
DUP(20250910)

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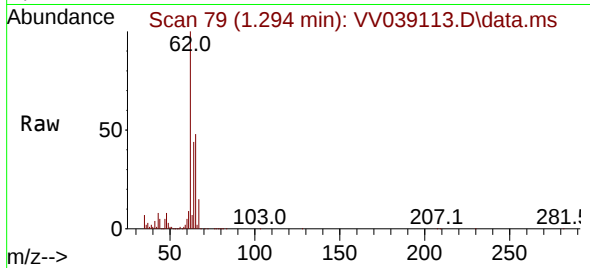
Quant Time: Sep 17 02:26:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 17 02:19:46 2025
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 5.339 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: VV039113.D
 Acq: 16 Sep 2025 17:25

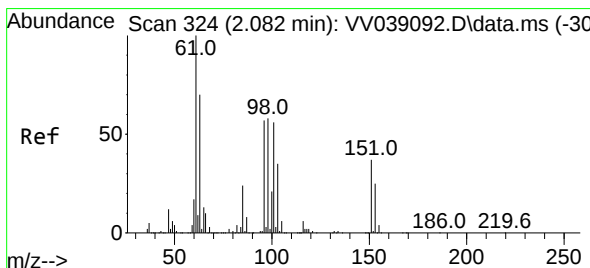
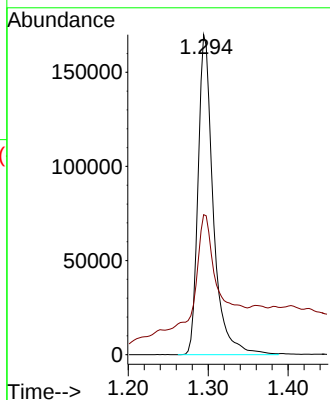
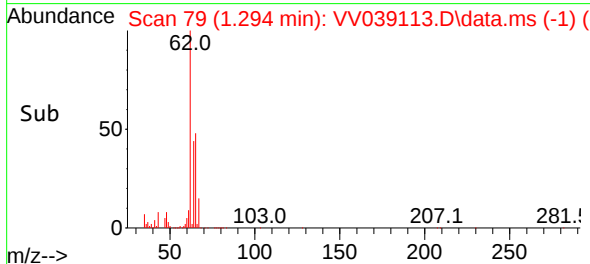
Instrument :
 MSVOA_V
 ClientSampleId :
 DUP(20250910)



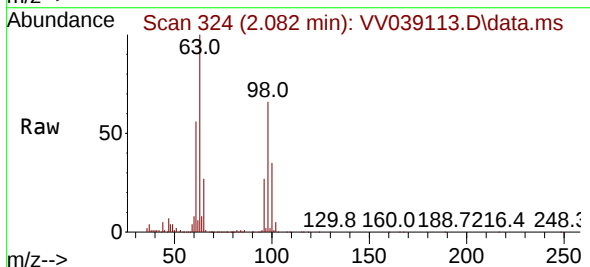
Tgt Ion: 62 Resp: 22524
 Ion Ratio Lower Upper
 62 100
 64 43.7 22.4 41.6

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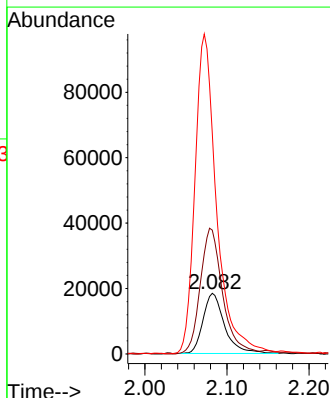
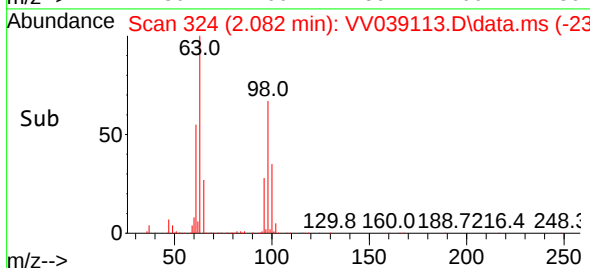
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/17/2025

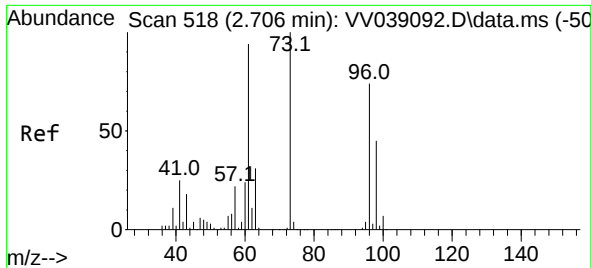


#12
 1,1-Dichloroethene
 Concen: 1.065 ug/L
 RT: 2.082 min Scan# 324
 Delta R.T. -0.000 min
 Lab File: VV039113.D
 Acq: 16 Sep 2025 17:25



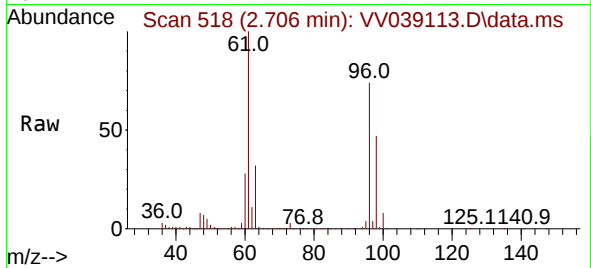
Tgt Ion: 96 Resp: 33679
 Ion Ratio Lower Upper
 96 100
 61 204.5 124.7 231.7
 63 364.9 93.5 173.7





#18
trans-1,2-Dichloroethene
Concen: 8.683 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.000 min
Lab File: VV039113.D
Acq: 16 Sep 2025 17:25

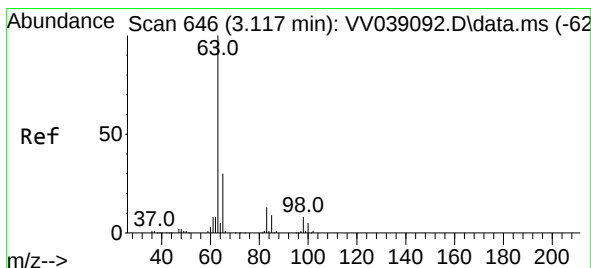
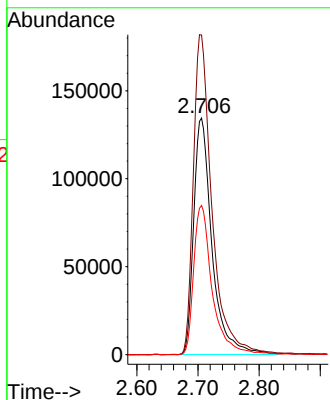
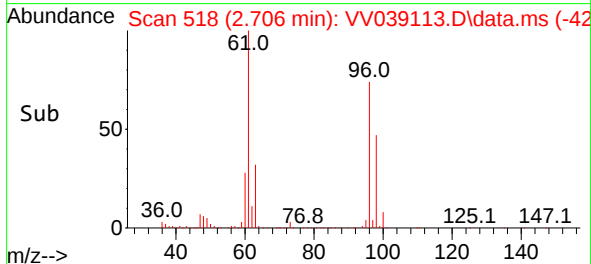
Instrument :
MSVOA_V
ClientSampleId :
DUP(20250910)



Tgt Ion: 96 Resp: 279608
Ion Ratio Lower Upper
96 100
61 135.1 89.7 166.5
98 63.0 44.9 83.3

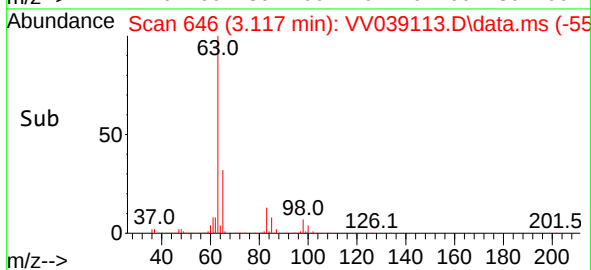
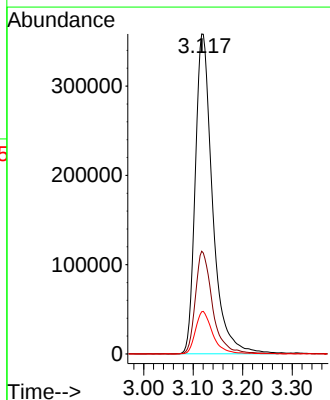
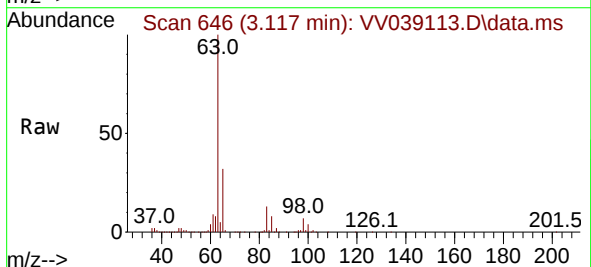
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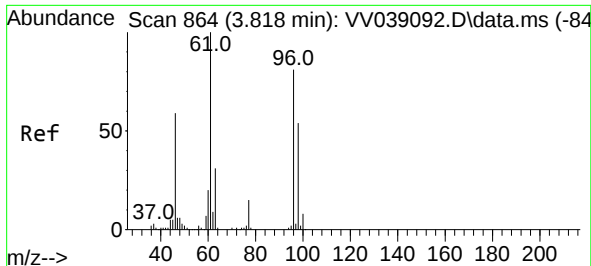
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#19
1,1-Dichloroethane
Concen: 14.746 ug/L
RT: 3.117 min Scan# 646
Delta R.T. -0.000 min
Lab File: VV039113.D
Acq: 16 Sep 2025 17:25

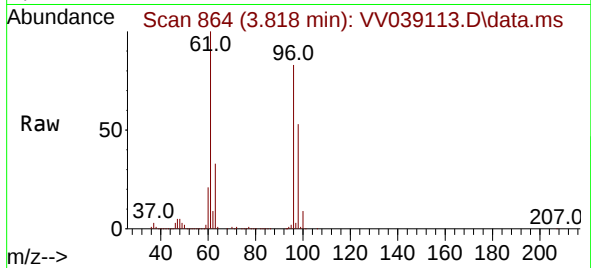
Tgt Ion: 63 Resp: 870957
Ion Ratio Lower Upper
63 100
65 32.1 21.5 39.9
83 13.2 9.2 17.2





#22
 cis-1,2-Dichloroethene
 Concen: 81.998 ug/L
 RT: 3.818 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VV039113.D
 Acq: 16 Sep 2025 17:25

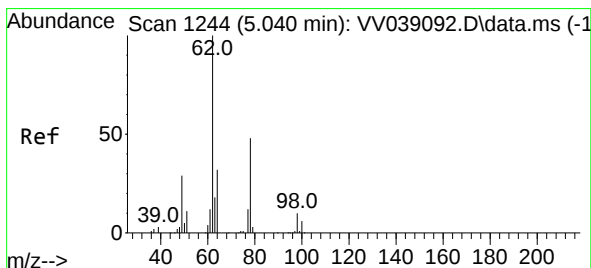
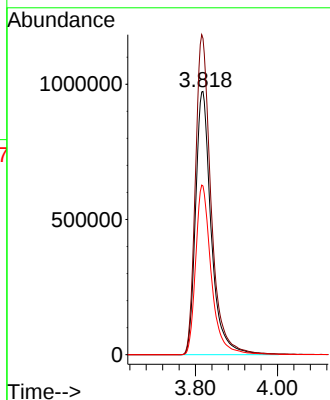
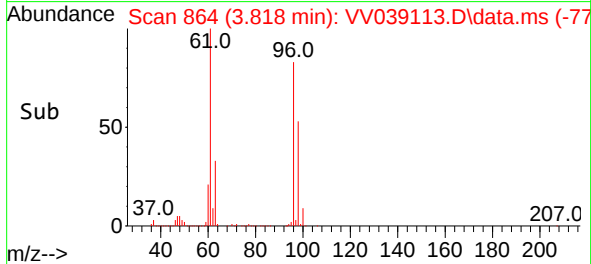
Instrument :
 MSVOA_V
 ClientSampleId :
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Tgt Ion: 96 Resp: 2577080
 Ion Ratio Lower Upper
 96 100
 61 120.1 85.4 158.6
 98 64.1 46.6 86.6

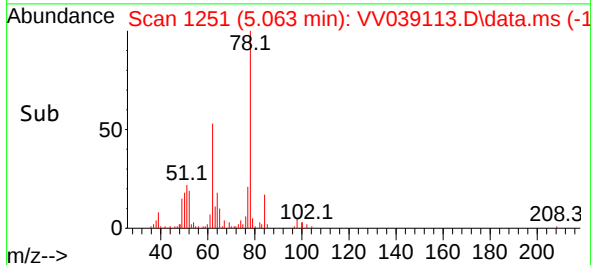
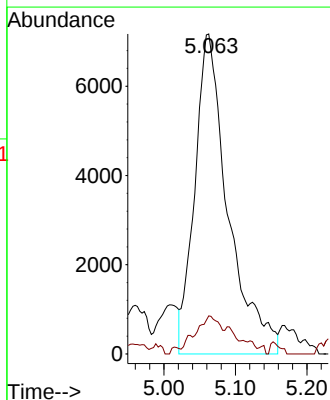
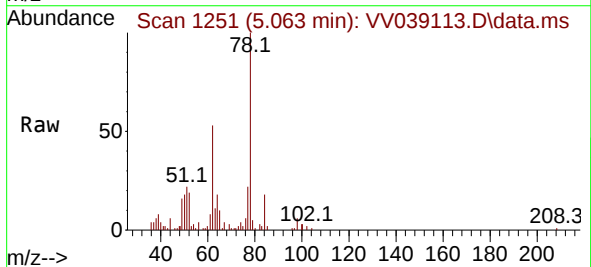
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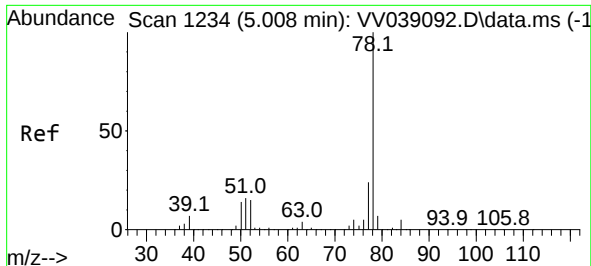
Reviewed By :John Carlone 09/17/2025
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#27
 1,2-Dichloroethane
 Concen: 0.739 ug/L m
 RT: 5.063 min Scan# 1251
 Delta R.T. 0.022 min
 Lab File: VV039113.D
 Acq: 16 Sep 2025 17:25

Tgt Ion: 62 Resp: 23193
 Ion Ratio Lower Upper
 62 100
 98 11.9 8.6 12.8





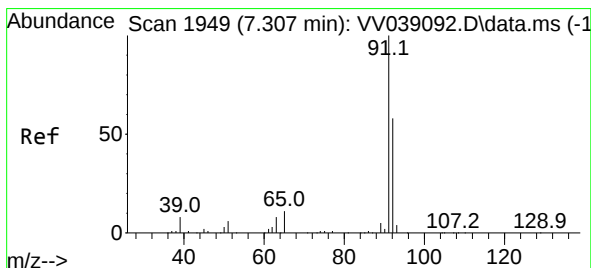
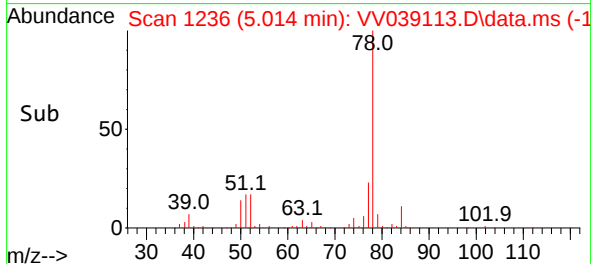
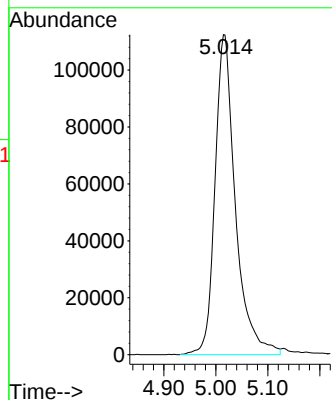
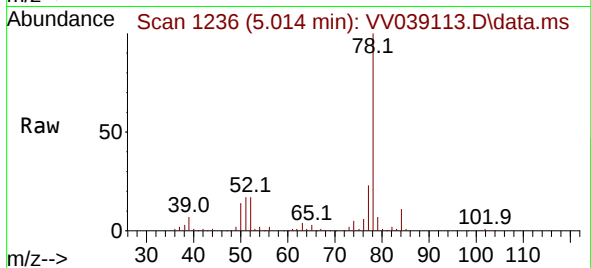
#33
Benzene
Concen: 2.497 ug/L
RT: 5.014 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039113.D
Acq: 16 Sep 2025 17:25

Instrument :
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Tgt Ion: 78 Resp: 30697

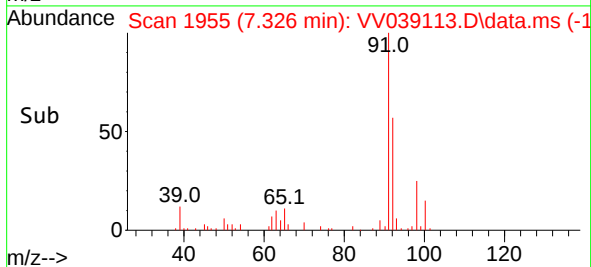
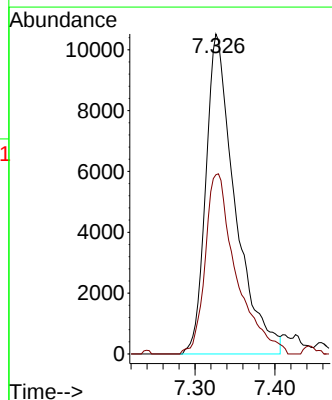
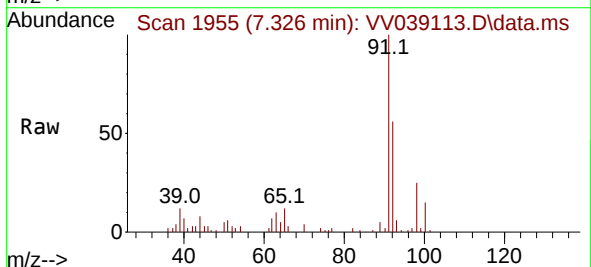
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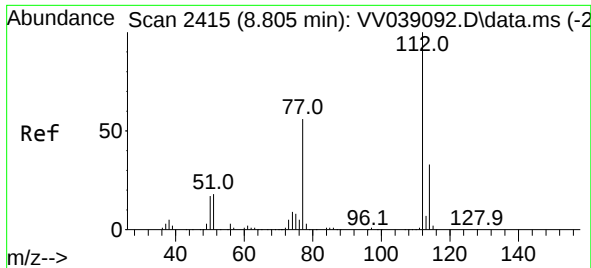
Reviewed By :John Carlone 09/17/2025
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#42
Toluene
Concen: 0.209 ug/L
RT: 7.326 min Scan# 1955
Delta R.T. 0.019 min
Lab File: VV039113.D
Acq: 16 Sep 2025 17:25

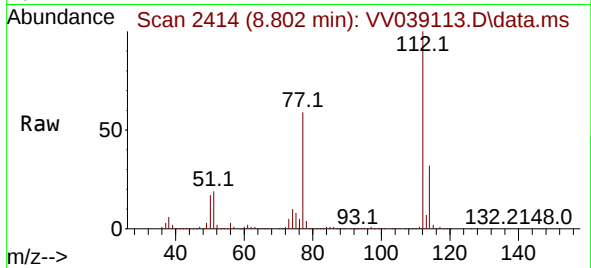
Tgt Ion: 91 Resp: 26761
Ion Ratio Lower Upper
91 100
92 56.0 40.5 75.1





#51
Chlorobenzene
Concen: 37.525 ug/L
RT: 8.802 min Scan# 2415
Delta R.T. -0.003 min
Lab File: VV039113.D
Acq: 16 Sep 2025 17:25

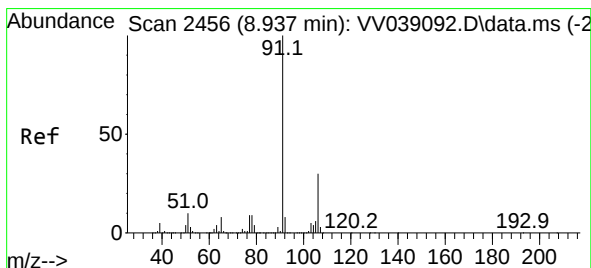
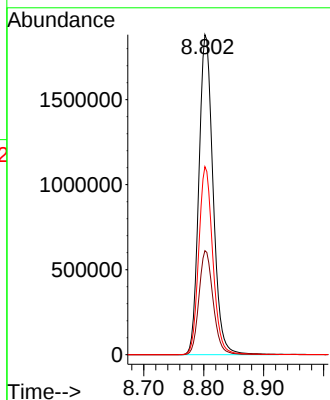
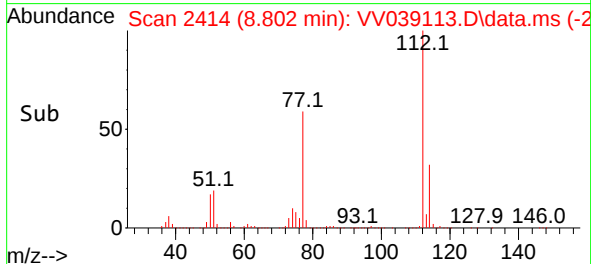
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Tgt Ion:112 Resp: 3103172
Ion Ratio Lower Upper
112 100
114 32.5 23.0 42.6
77 58.8 46.6 69.8

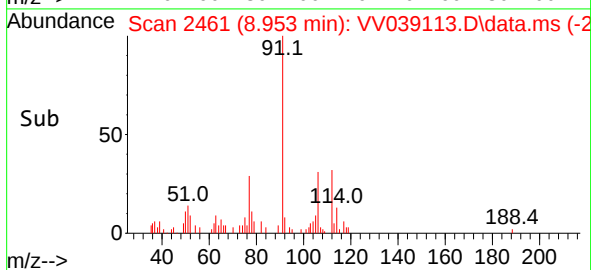
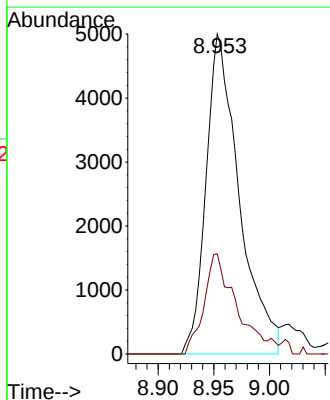
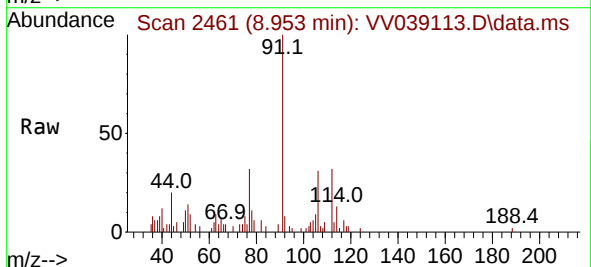
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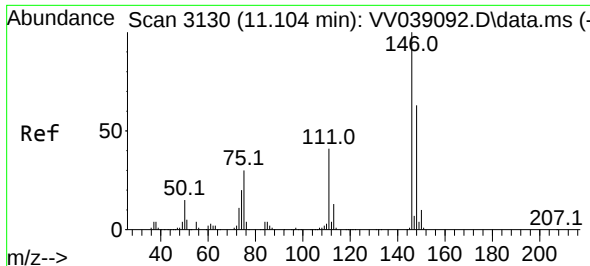
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#52
Ethylbenzene
Concen: 0.079 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.016 min
Lab File: VV039113.D
Acq: 16 Sep 2025 17:25

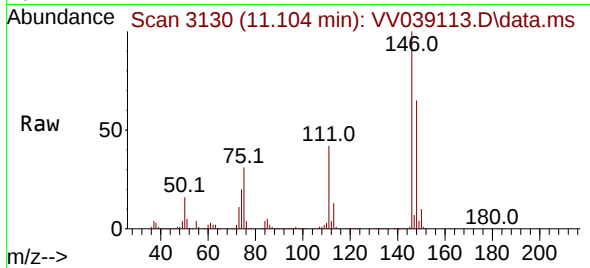
Tgt Ion: 91 Resp: 10378
Ion Ratio Lower Upper
91 100
106 31.3 20.8 38.6





#64
1,3-Dichlorobenzene
Concen: 54.549 ug/L
RT: 11.104 min Scan# 3130
Delta R.T. -0.000 min
Lab File: VV039113.D
Acq: 16 Sep 2025 17:25

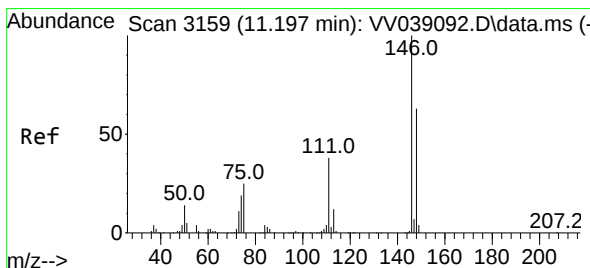
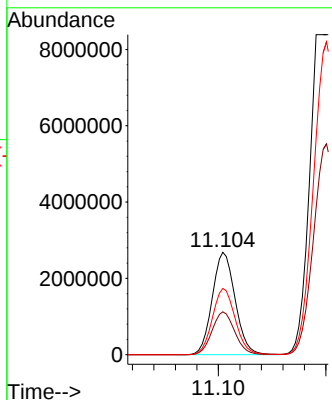
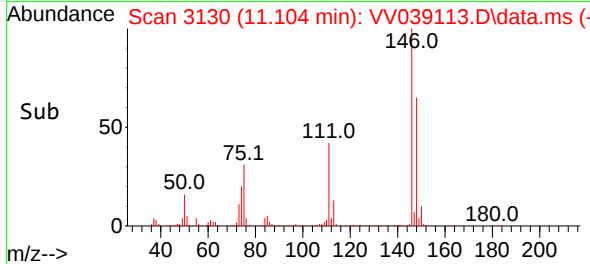
Instrument :
MSVOA_V
ClientSampleId :
DUP(20250910)



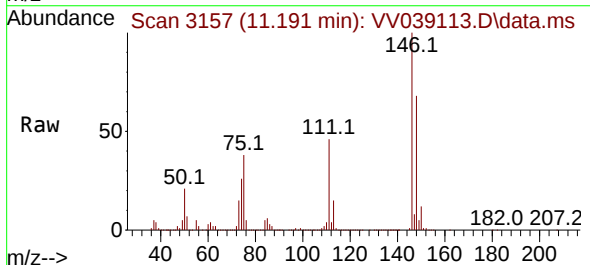
Tgt Ion:146 Resp: 3969260
Ion Ratio Lower Upper
146 100
111 41.9 28.3 52.7
148 64.7 42.9 79.7

Manual Integrations
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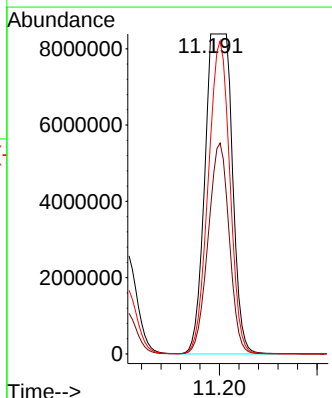
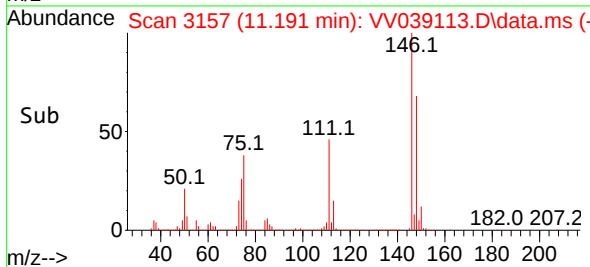
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Supervised By :Mahesh Dadoda 09/17/2025

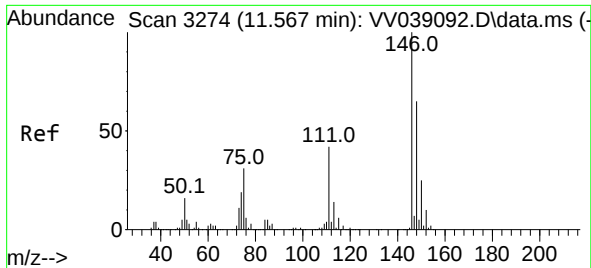


#65
1,4-Dichlorobenzene
Concen: 216.156 ug/L m
RT: 11.191 min Scan# 3157
Delta R.T. -0.007 min
Lab File: VV039113.D
Acq: 16 Sep 2025 17:25



Tgt Ion:146 Resp:16271159
Ion Ratio Lower Upper
146 100
111 46.0 27.2 50.6
148 67.6 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 3.520 ug/L

RT: 11.567 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV039113.D

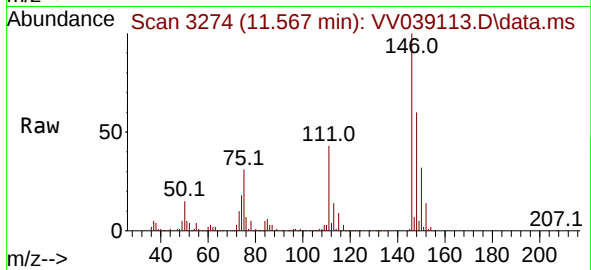
Acq: 16 Sep 2025 17:25

Instrument :

MSVOA_V

ClientSampleId :

DUP(20250910)



Tgt Ion:	146	Resp:	226934
Ion Ratio	Lower	Upper	
146	100		
111	42.9	33.4	50.2
148	60.5	51.1	76.7

Manual Integrations

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