

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
 Data File : VV039530.D
 Acq On : 10 Dec 2025 14:54
 Operator : SY/MD
 Sample : Q3813-05
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VHBLK001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/12/2025

Quant Time: Dec 11 00:07:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 09 08:40:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6680	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6693	0.500	ug/L	0.01
12) 1,4-Dichlorobenzene-d4	11.197	152	3533	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3429m	0.523	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 104.000%			
4) 1,2-Dichloroethane-d4	4.993	65	2003	0.450	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 90.000%			
7) 1,2-Dichloropropane-d6	5.995	67	2292	0.406	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 82.000%			
8) Toluene-d8	7.253	98	4243	0.445	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 90.000%			
10) 1,1,2,2-Tetrachloroeth...	10.132	84	1709	0.537	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 108.000%			

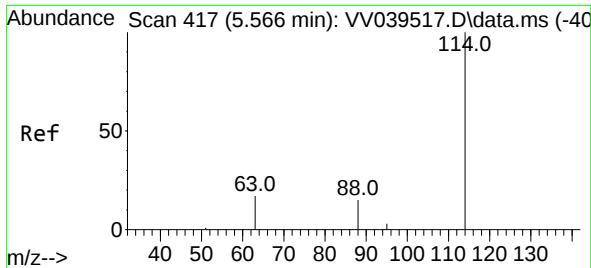
Target Compounds Qvalue

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

Manual Integrations

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025

Chromatogram plot showing Abundance vs Time (min). The y-axis ranges from 0 to 15000, and the x-axis ranges from 1.00 to 17.00. The plot shows a very large peak at approximately 1.1 minutes labeled 'Vinyl Chloride-d3, S'. Several smaller peaks are labeled with chemical names and their retention times: 1,2-Dichloroethane-d4, S (5.0 min), 1,4-Difluorobenzene, I (5.6 min), 1,2-Dichloropropane-d6, S (6.0 min), Toluene-d8, S (7.3 min), Chlorobenzene-d5, I (8.8 min), 1,1,2,2-Tetrachloroethane-d2, S (10.1 min), and 1,4-Dichlorobenzene-d4, I (11.2 min).



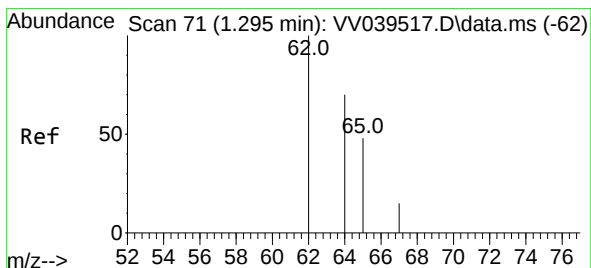
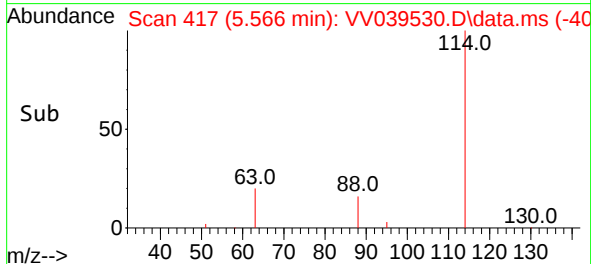
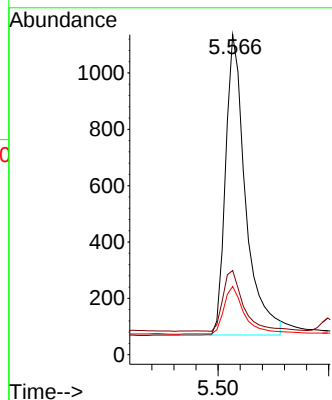
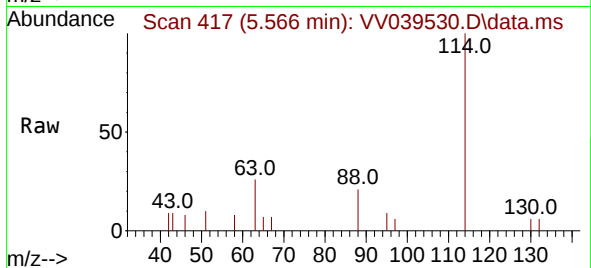
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Tgt Ion:114 Resp: 6680
Ion Ratio Lower Upper
114 100
63 20.1 15.0 22.4
88 15.7 12.0 18.0

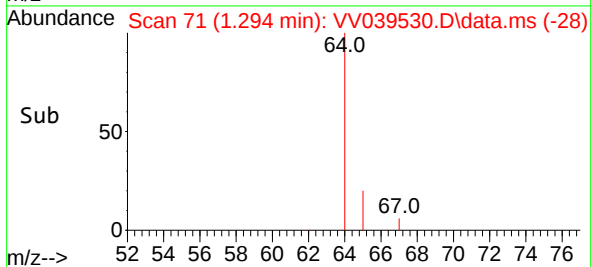
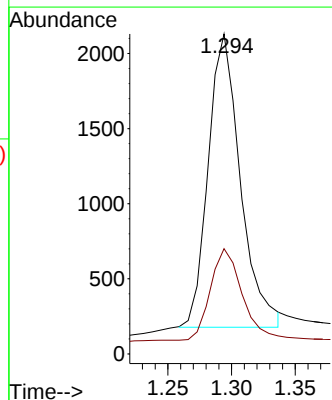
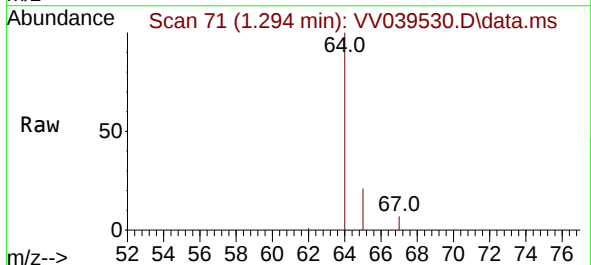
Manual Integrations
APPROVED

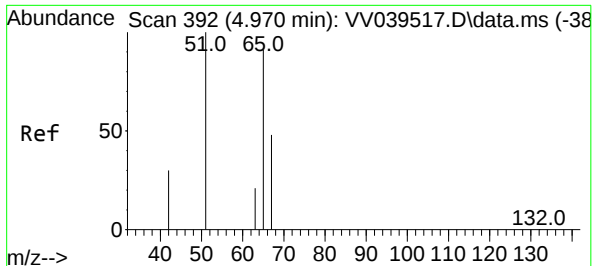
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#2
Vinyl Chloride-d3
Concen: 0.523 ug/L m
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54

Tgt Ion: 65 Resp: 3429
Ion Ratio Lower Upper
65 100
67 33.9 22.3 41.5





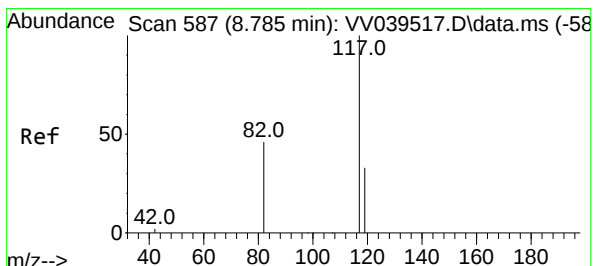
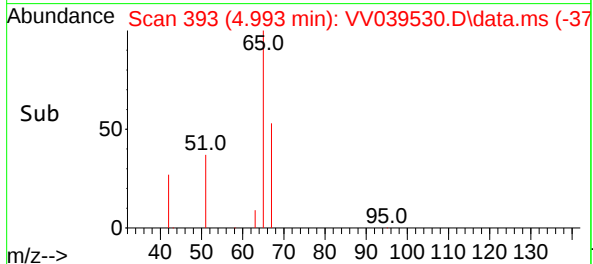
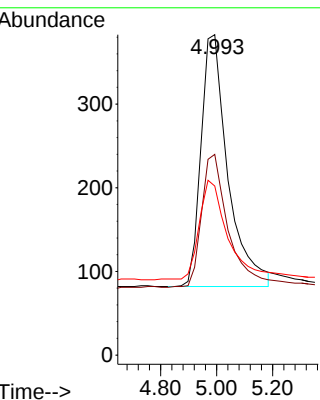
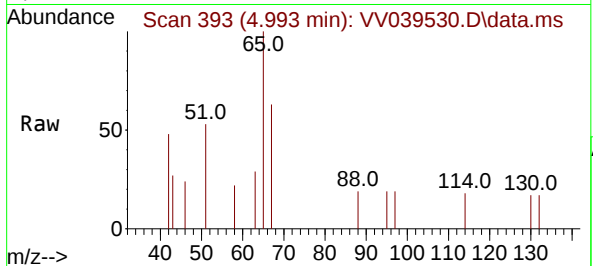
#4
1,2-Dichloroethane-d4
Concen: 0.450 ug/L
RT: 4.993 min Scan# 392
Delta R.T. 0.024 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Tgt Ion: 65 Resp: 200
Ion Ratio Lower Upper
65 100
67 52.5 32.5 60.3
51 41.9 121.4 225.6

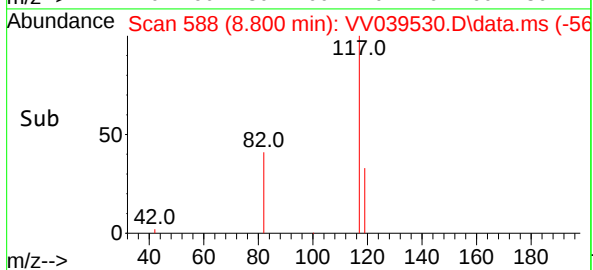
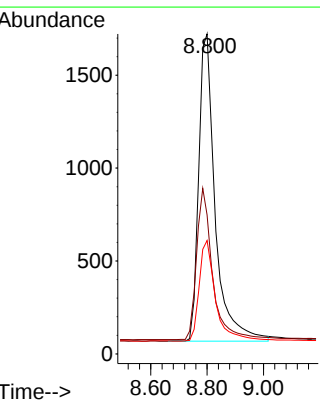
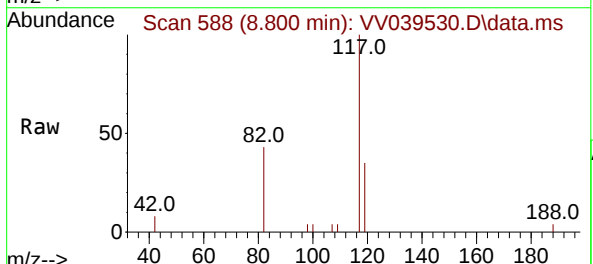
Manual Integrations
APPROVED

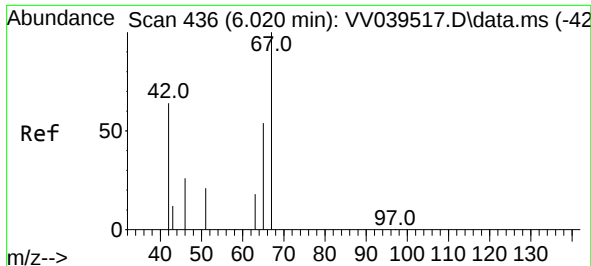
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54

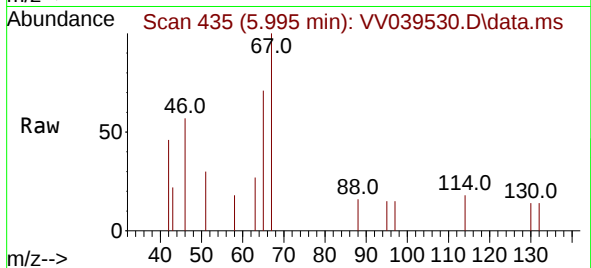
Tgt Ion:117 Resp: 6693
Ion Ratio Lower Upper
117 100
82 47.9 39.4 59.2
119 32.6 26.2 39.2





#7
1,2-Dichloropropane-d6
Concen: 0.406 ug/L
RT: 5.995 min Scan# 41
Delta R.T. -0.024 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54

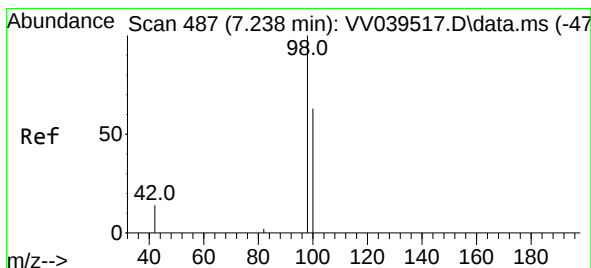
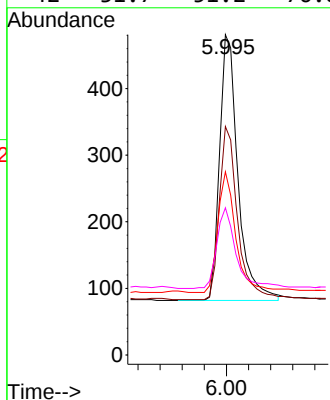
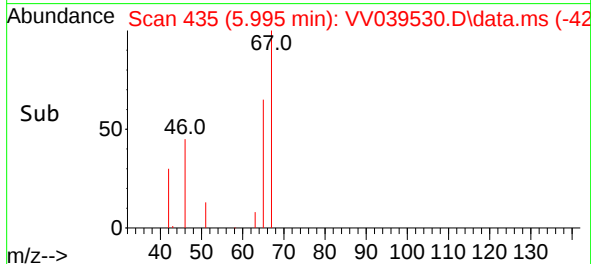
Instrument :
MSVOA_V
ClientSampleId :
VHBLK001



Tgt Ion: 67 Resp: 229
Ion Ratio Lower Upper
67 100
65 65.0 37.9 56.9
46 44.4 27.4 41.0
42 31.7 51.2 76.8

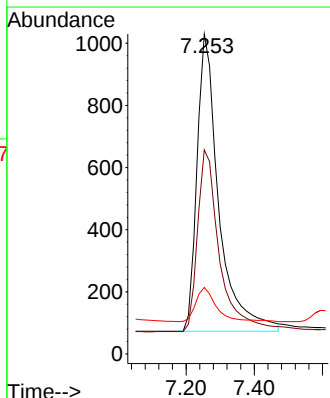
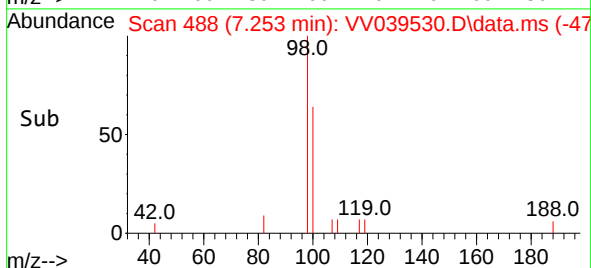
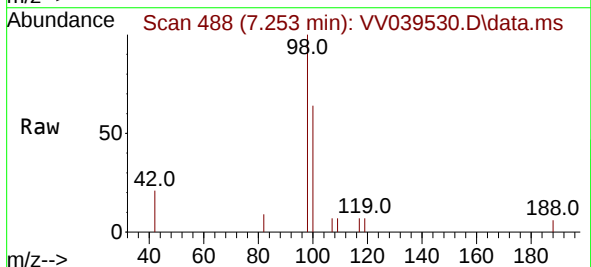
Manual Integrations
APPROVED

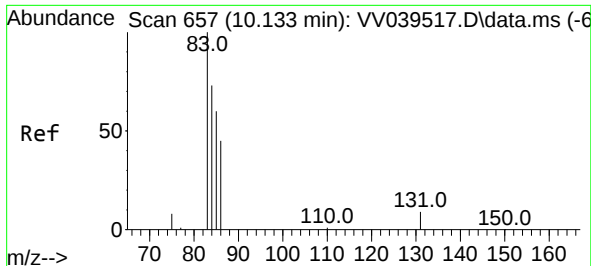
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#8
Toluene-d8
Concen: 0.445 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54

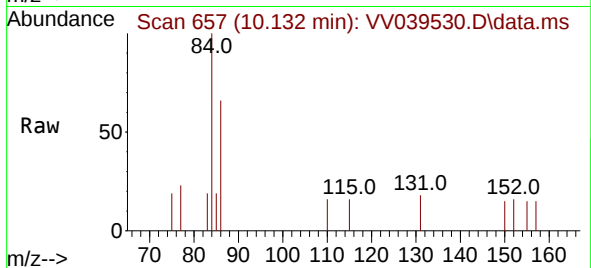
Tgt Ion: 98 Resp: 4243
Ion Ratio Lower Upper
98 100
100 61.7 44.5 82.7
42 10.8 10.1 18.7





#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.537 ug/L
RT: 10.132 min Scan# 610
Delta R.T. -0.001 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54

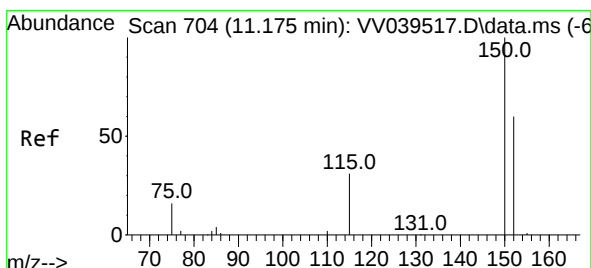
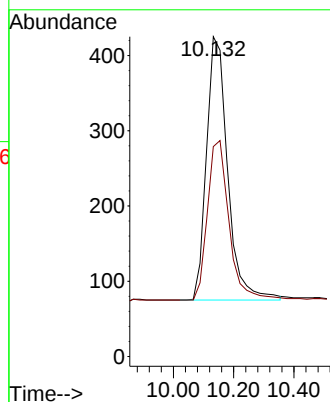
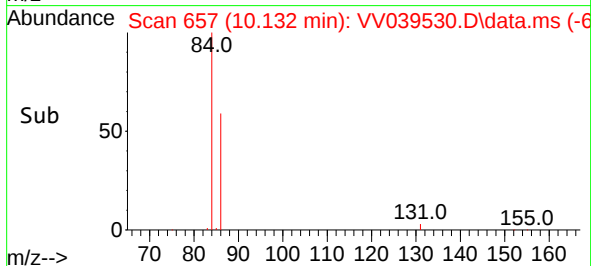
Instrument :
MSVOA_V
ClientSampleId :
VHBLK001



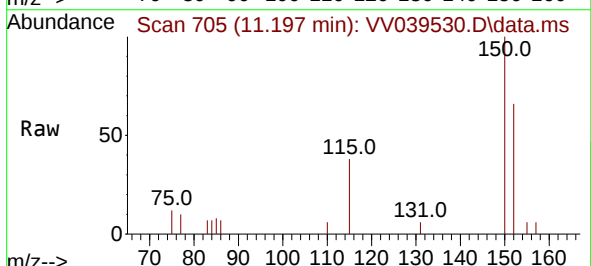
Tgt Ion: 84 Resp: 1709
Ion Ratio Lower Upper
84 100
86 61.7 44.4 82.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54



Tgt Ion:152 Resp: 3533
Ion Ratio Lower Upper
152 100
115 55.1 0.0 101.6
150 158.7 0.0 396.2

