

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042955.D
 Acq On : 22 Sep 2025 12:30
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 02:13:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 23 02:07:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	163615	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	504423	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	454013	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	334002	9.855	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	358	0.040	ppbv	# 53
32) 1,1,1-Trichloroethane	3.373	97	1337m	0.038	ppbv	
35) Carbon Tetrachloride	3.761	117	1110m	0.034	ppbv	
38) Trichloroethene	4.551	130	797m	0.034	ppbv	
52) Tetrachloroethene	8.231	164	660m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.959	83	1098m	0.036	ppbv	

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

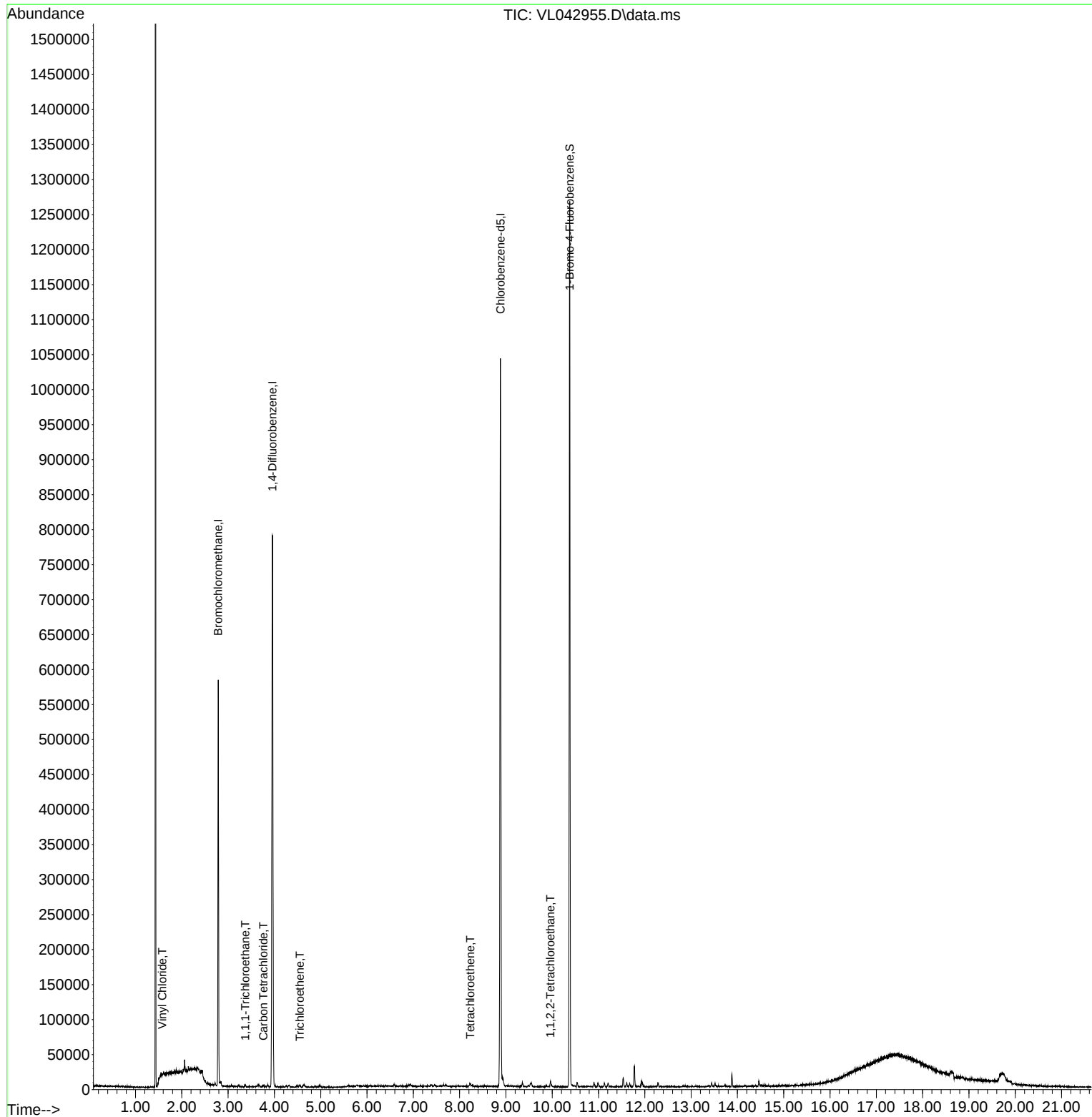
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042955.D
Acq On : 22 Sep 2025 12:30
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

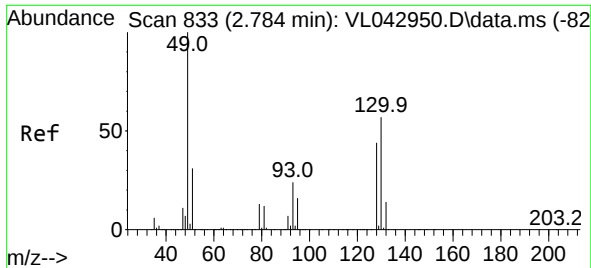
Instrument :
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ClientSampleId :
VSTDICC0.03

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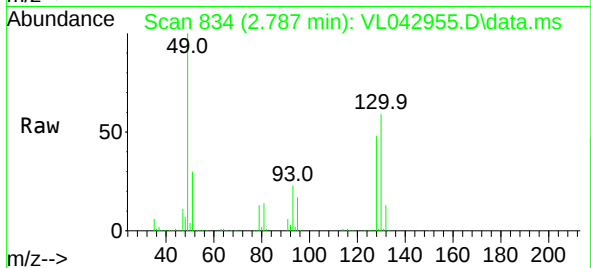
Quant Time: Sep 23 02:13:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042955.D
Acq: 22 Sep 2025 12:30

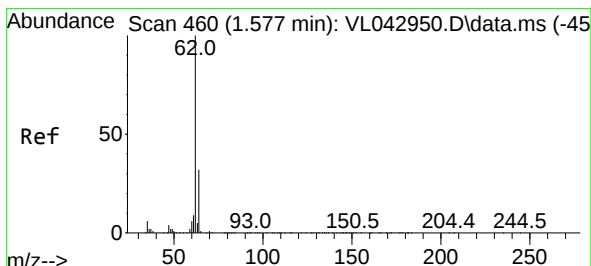
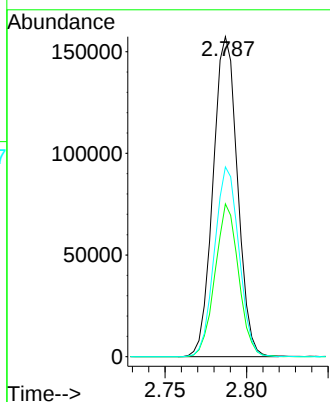
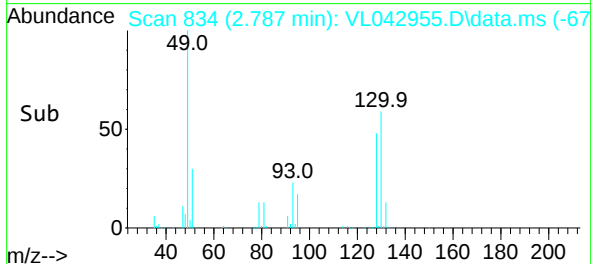
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion: 49 Resp: 16361
Ion Ratio Lower Upper
49 100
128 46.1 22.9 68.8
130 59.5 29.1 87.3

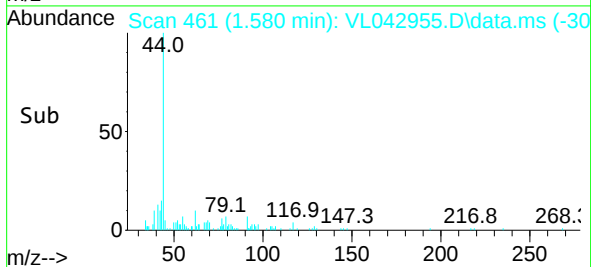
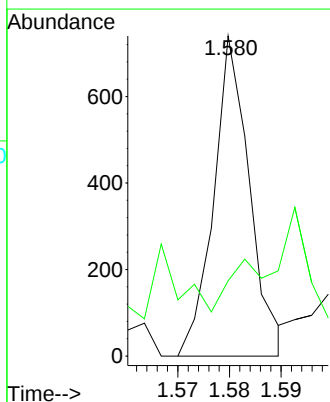
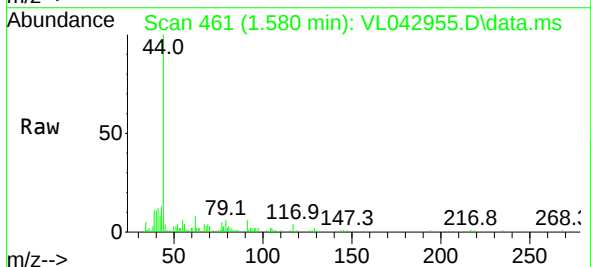
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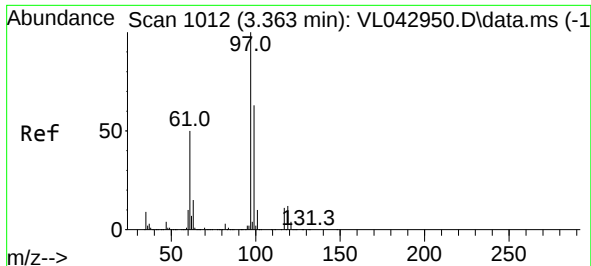
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#5
Vinyl Chloride
Concen: 0.040 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL042955.D
Acq: 22 Sep 2025 12:30

Tgt Ion: 62 Resp: 358
Ion Ratio Lower Upper
62 100
64 5.9 25.4 38.2#





#32
1,1,1-Trichloroethane
Concen: 0.038 ppbv m
RT: 3.373 min Scan# 1012
Delta R.T. 0.010 min
Lab File: VL042955.D
Acq: 22 Sep 2025 12:30

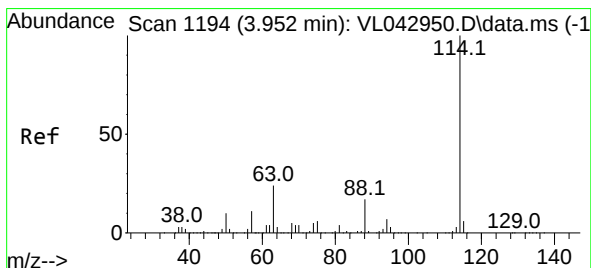
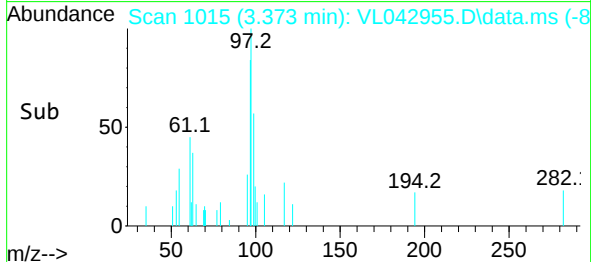
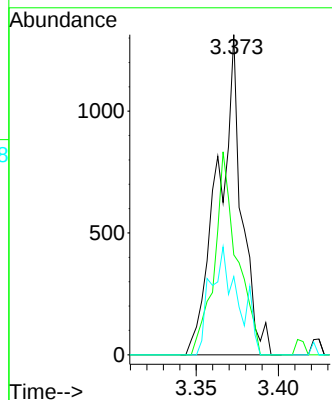
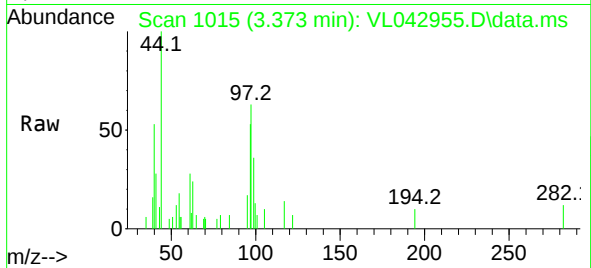
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 97 Resp: 133

Ion	Ratio	Lower	Upper
97	100		
99	59.4	51.1	76.7
61	38.4	39.8	59.6

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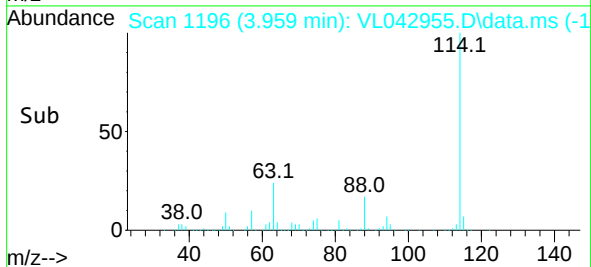
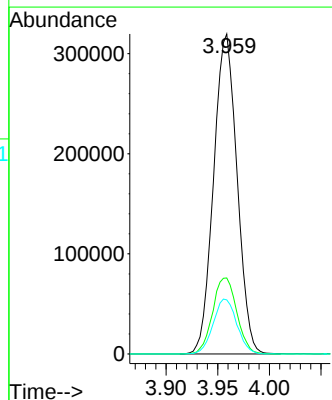
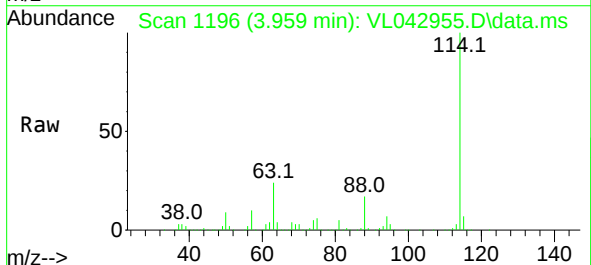
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

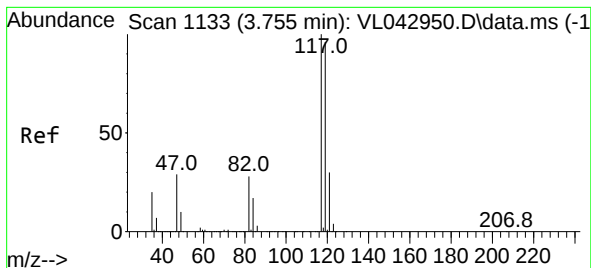


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.006 min
Lab File: VL042955.D
Acq: 22 Sep 2025 12:30

Tgt Ion:114 Resp: 504423

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.4	29.2
88	17.3	14.2	21.2





#35

Carbon Tetrachloride

Concen: 0.034 ppbv m

RT: 3.761 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VL042955.D

Acq: 22 Sep 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

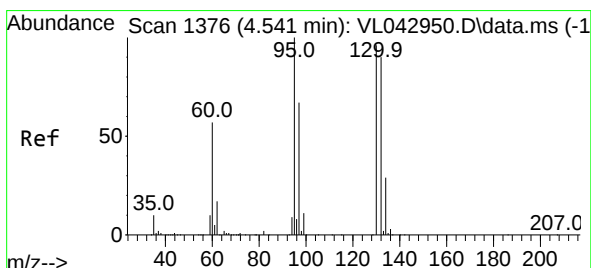
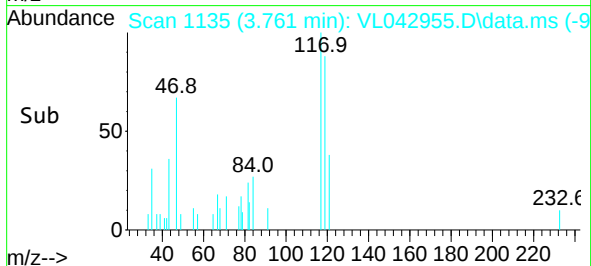
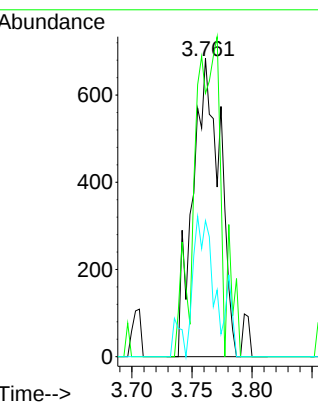
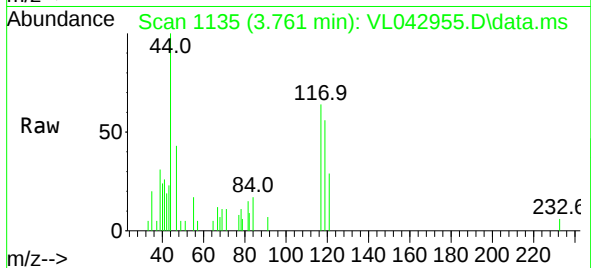
VSTDICC0.03

Tgt Ion:	117	Resp:	1110
Ion	Ratio	Lower	Upper
117	100		
119	88.3	76.9	115.3
121	45.6	23.7	35.5

Manual Integrations

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#38

Trichloroethene

Concen: 0.034 ppbv m

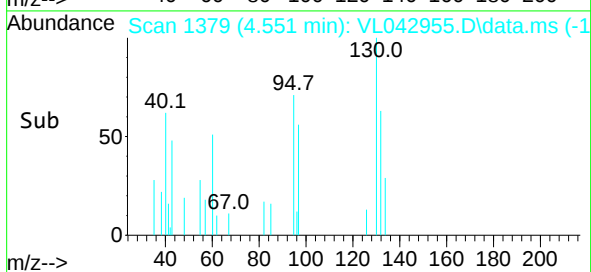
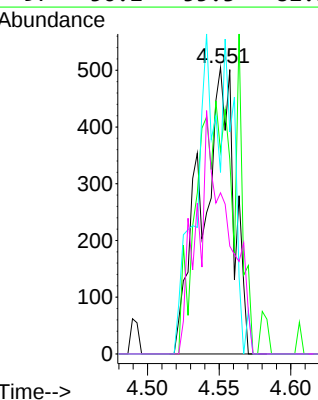
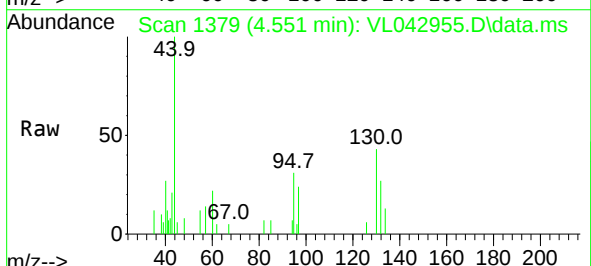
RT: 4.551 min Scan# 1379

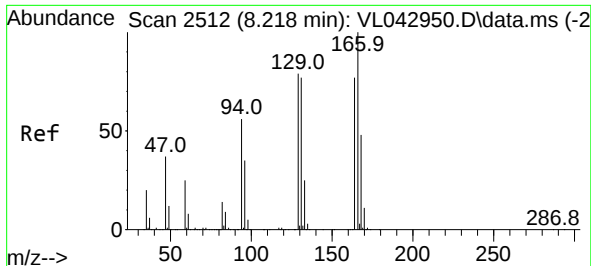
Delta R.T. 0.010 min

Lab File: VL042955.D

Acq: 22 Sep 2025 12:30

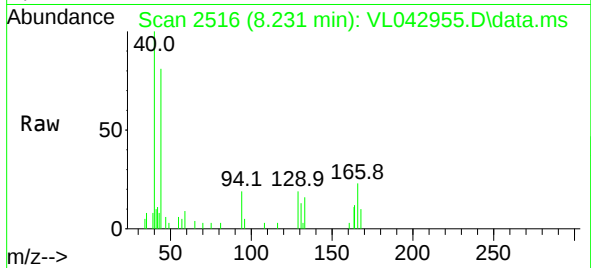
Tgt Ion:	130	Resp:	797
Ion	Ratio	Lower	Upper
130	100		
95	70.7	83.0	124.4#
132	63.4	74.6	112.0#
97	56.2	55.3	82.9





#52
Tetrachloroethene
Concen: 0.036 ppbv m
RT: 8.231 min Scan# 2516
Delta R.T. 0.013 min
Lab File: VL042955.D
Acq: 22 Sep 2025 12:30

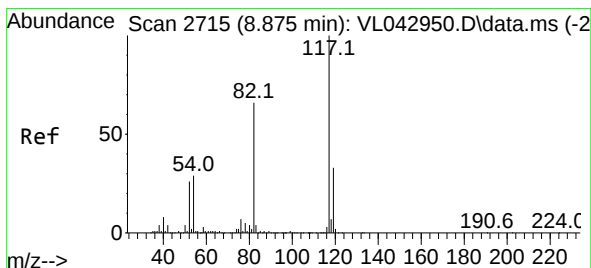
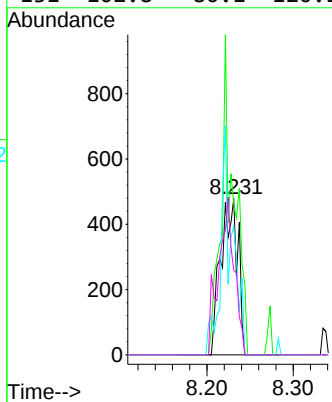
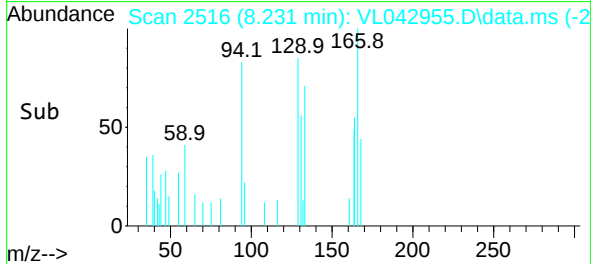
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion:164 Resp: 660
Ion Ratio Lower Upper
164 100
166 182.6 103.5 155.3
129 155.3 82.2 123.4
131 102.8 80.1 120.1

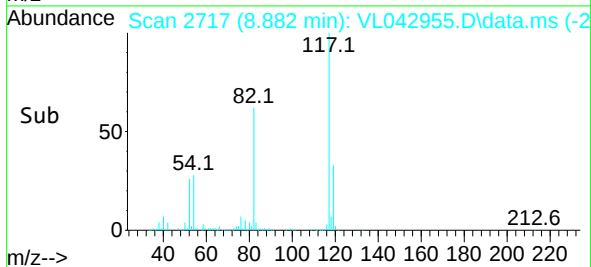
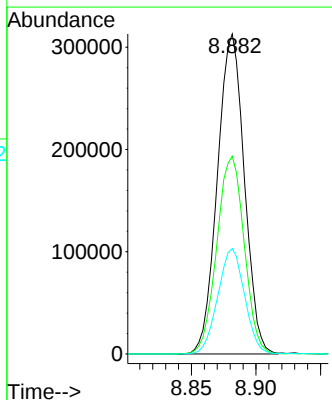
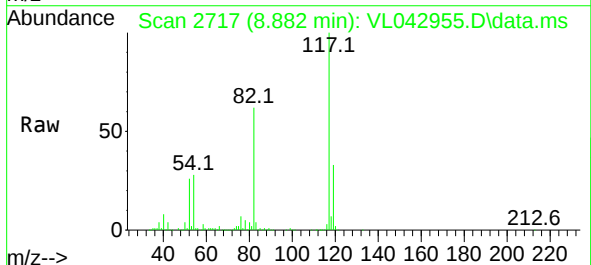
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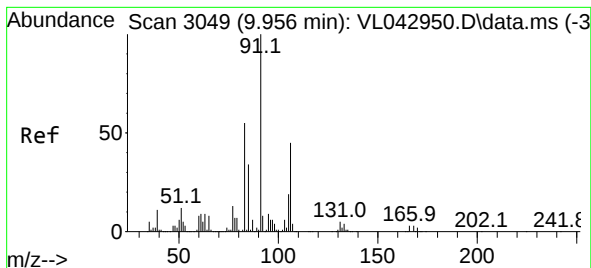
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.006 min
Lab File: VL042955.D
Acq: 22 Sep 2025 12:30

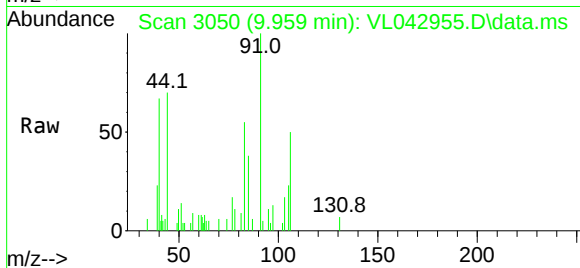
Tgt Ion:117 Resp: 454013
Ion Ratio Lower Upper
117 100
82 62.9 52.8 79.2
119 32.8 26.5 39.7





#63
1,1,2,2-Tetrachloroethane
Concen: 0.036 ppbv m
RT: 9.959 min Scan# 3049
Delta R.T. 0.003 min
Lab File: VL042955.D
Acq: 22 Sep 2025 12:30

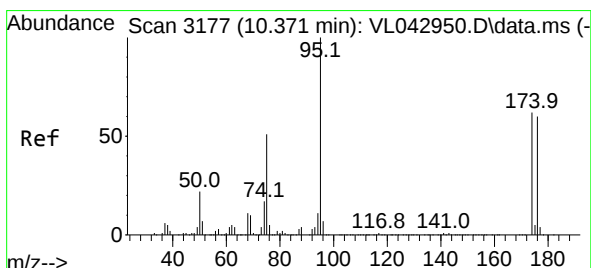
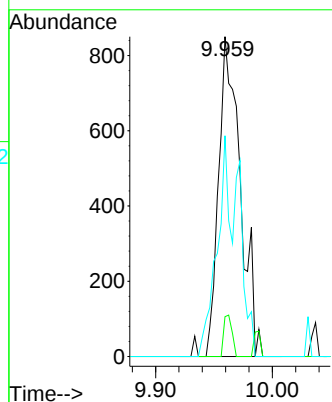
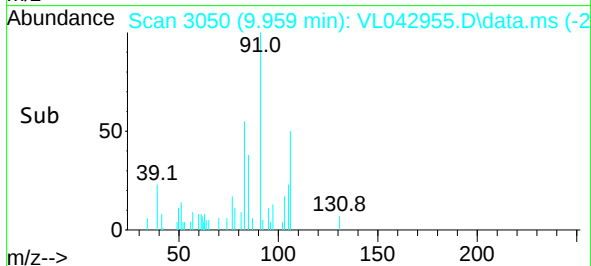
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



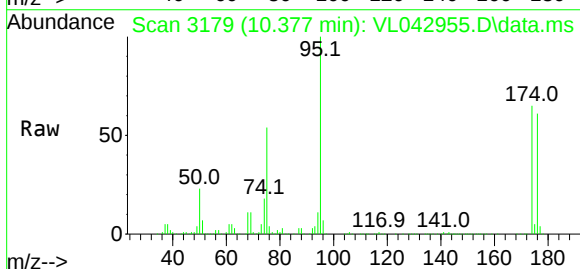
Tgt Ion: 83 Resp: 1098
Ion Ratio Lower Upper
83 100
131 4.9 4.8 14.4
85 67.4 32.2 96.6

Manual Integrations
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Supervised By :Mahesh Dadoda 09/24/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.855 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL042955.D
Acq: 22 Sep 2025 12:30



Tgt Ion: 95 Resp: 334002
Ion Ratio Lower Upper
95 100
174 65.1 51.4 77.2
175 4.9 4.0 6.0

