

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042551.D
 Acq On : 20 May 2025 11:54
 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 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

Quant Time: May 20 23:28:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue May 20 23:22:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	116301	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	369679	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	322658	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	251724	9.748	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	262	0.034	ppbv #	76
32) 1,1,1-Trichloroethane	3.376	97	926m	0.034	ppbv	
35) Carbon Tetrachloride	3.777	117	1055m	0.037	ppbv	
38) Trichloroethene	4.557	130	475m	0.035	ppbv	
52) Tetrachloroethene	8.231	164	355m	0.030	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.969	83	672m	0.028	ppbv	

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

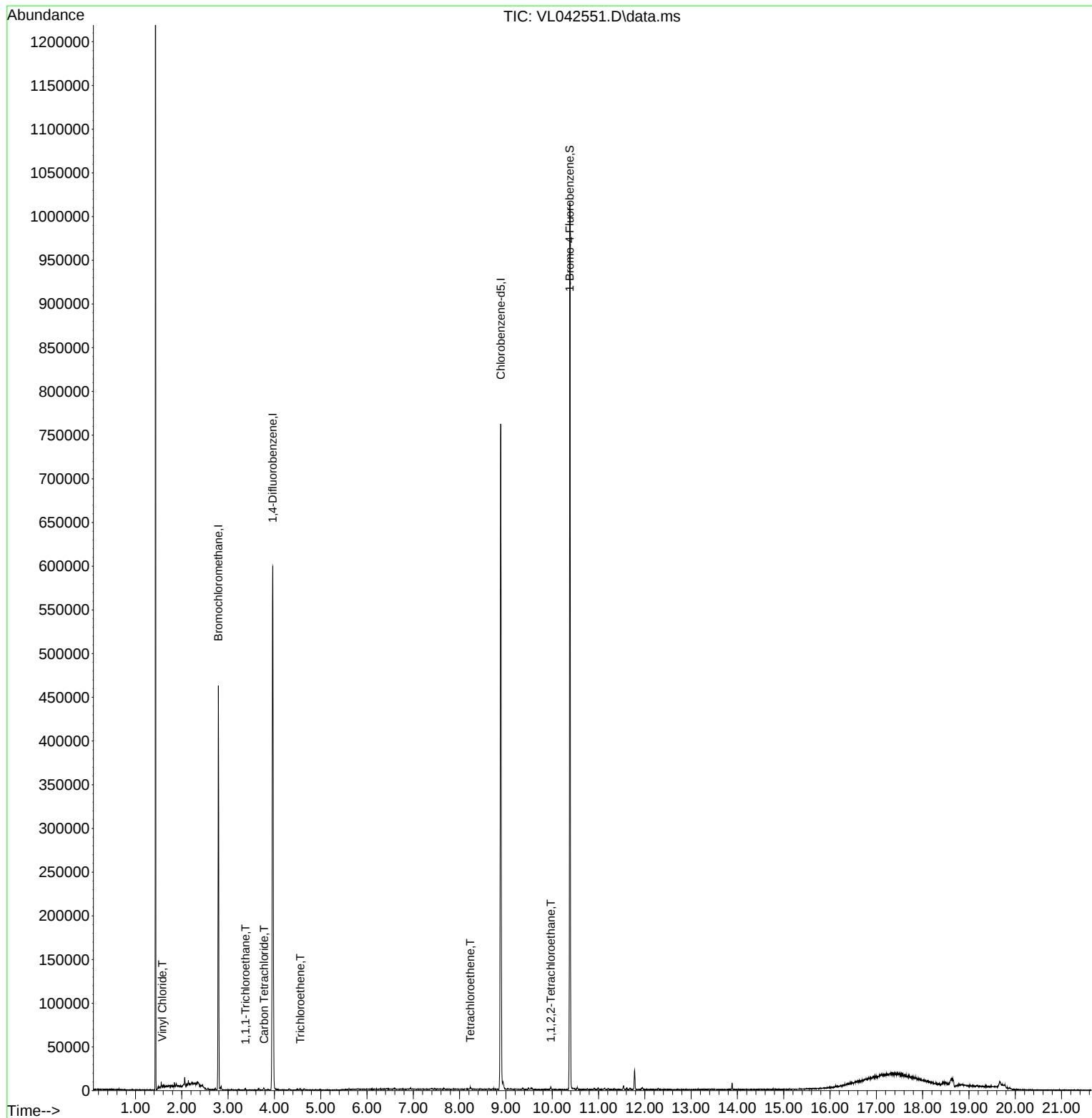
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
Data File : VL042551.D
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Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
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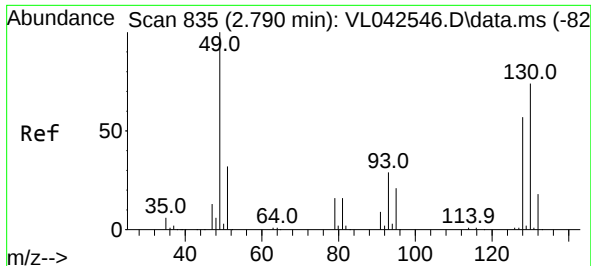
Instrument :
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ClientSampleId :
VSTDICC0.03

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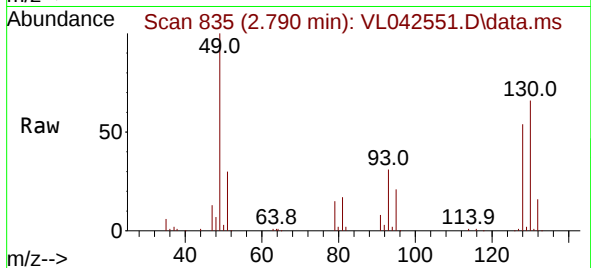
Quant Time: May 20 23:28:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue May 20 23:22:25 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042551.D
Acq: 20 May 2025 11:54

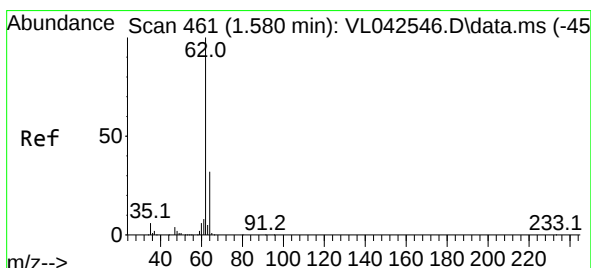
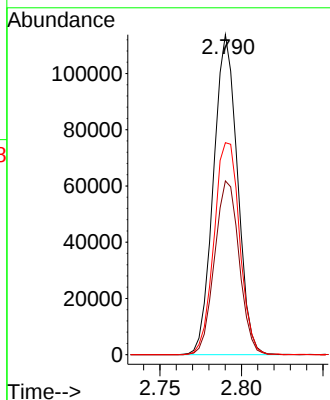
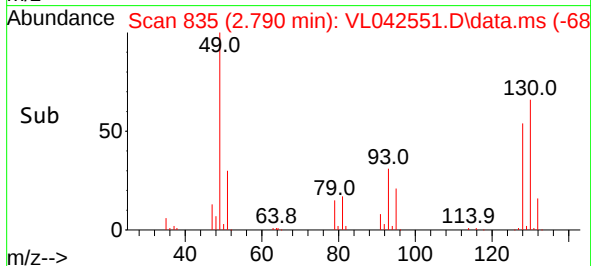
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion: 49 Resp: 11630
Ion Ratio Lower Upper
49 100
128 55.7 28.6 85.8
130 70.8 36.6 109.8

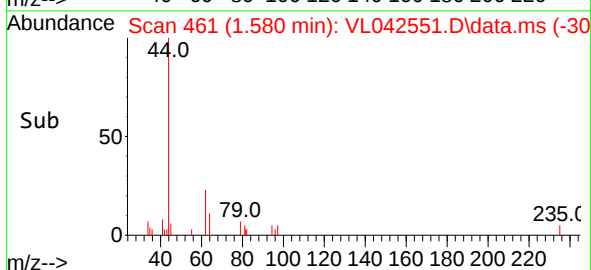
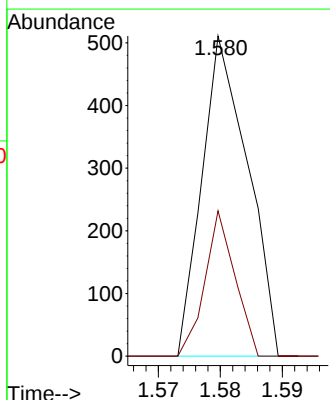
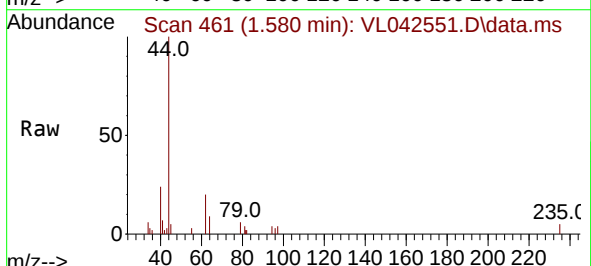
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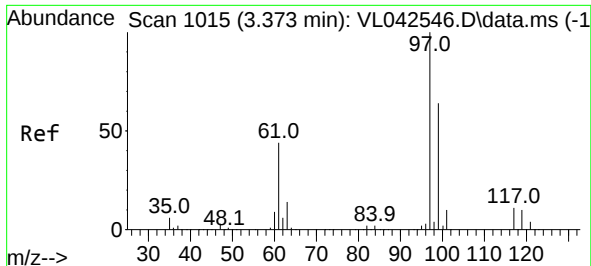
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#5
Vinyl Chloride
Concen: 0.034 ppbv
RT: 1.580 min Scan# 461
Delta R.T. -0.000 min
Lab File: VL042551.D
Acq: 20 May 2025 11:54

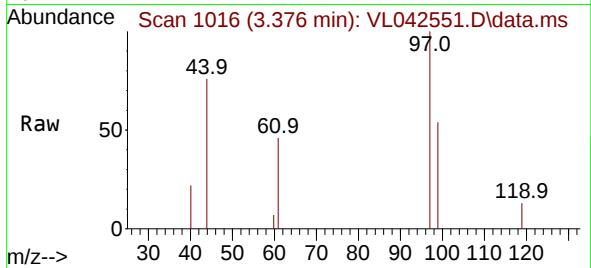
Tgt Ion: 62 Resp: 262
Ion Ratio Lower Upper
62 100
64 45.4 25.7 38.5#





#32
1,1,1-Trichloroethane
Concen: 0.034 ppbv m
RT: 3.376 min Scan# 1015
Delta R.T. 0.003 min
Lab File: VL042551.D
Acq: 20 May 2025 11:54

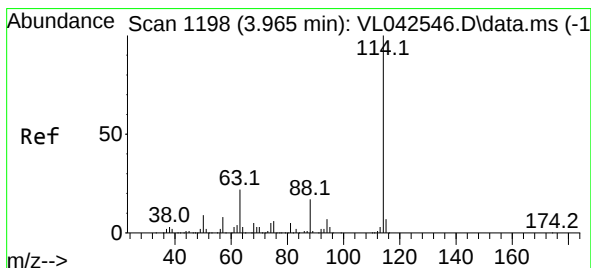
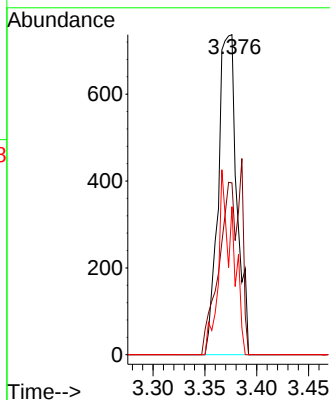
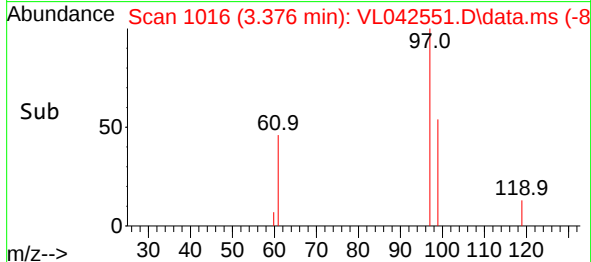
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion: 97 Resp: 920
Ion Ratio Lower Upper
97 100
99 65.4 51.5 77.3
61 44.7 35.7 53.5

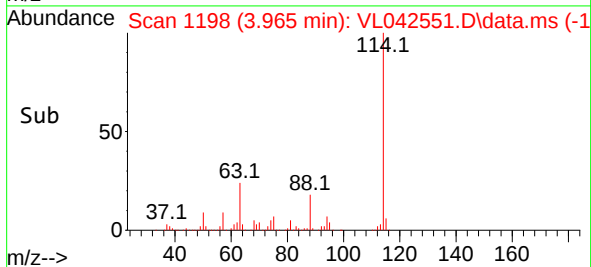
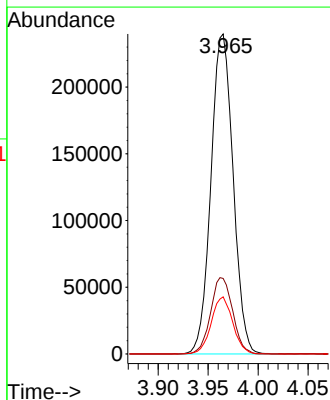
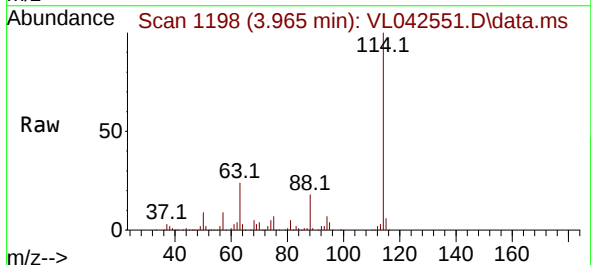
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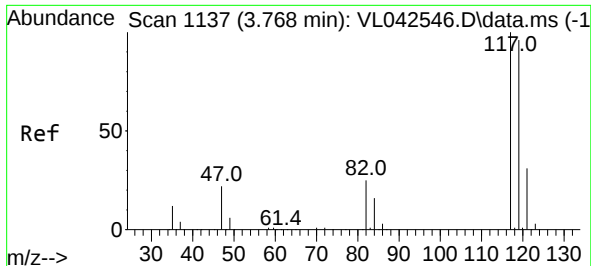
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. -0.000 min
Lab File: VL042551.D
Acq: 20 May 2025 11:54

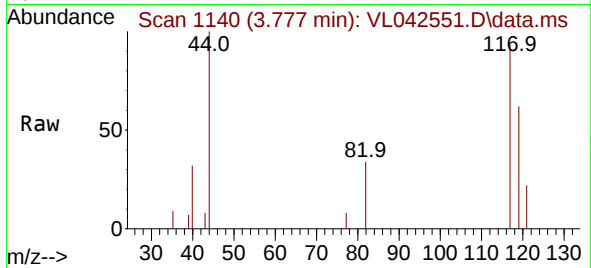
Tgt Ion:114 Resp: 369679
Ion Ratio Lower Upper
114 100
63 23.8 18.4 27.6
88 17.3 14.0 21.0





#35
Carbon Tetrachloride
Concen: 0.037 ppbv m
RT: 3.777 min Scan# 1137
Delta R.T. 0.009 min
Lab File: VL042551.D
Acq: 20 May 2025 11:54

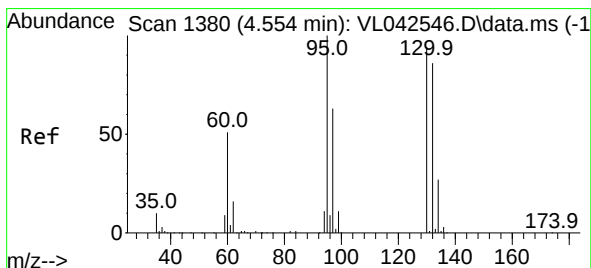
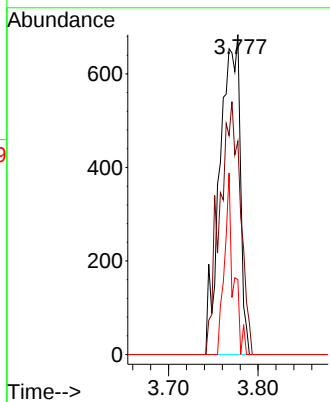
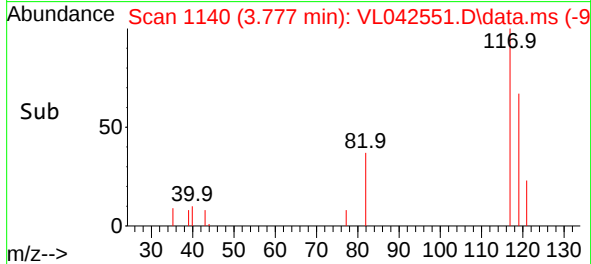
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.03



Tgt Ion:117 Resp: 105
Ion Ratio Lower Upper
117 100
119 66.7 76.6 114.8
121 23.4 24.7 37.1

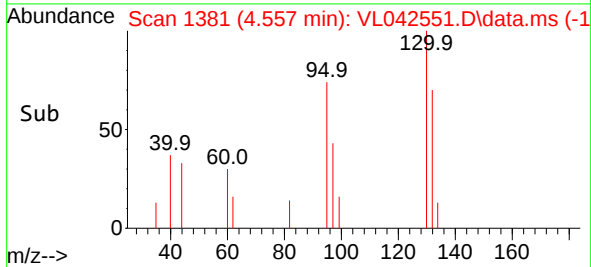
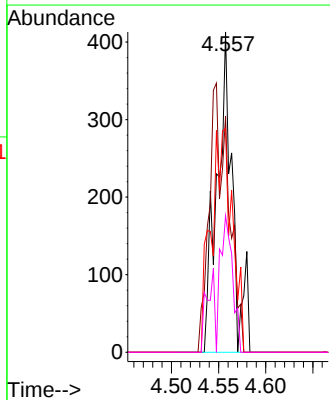
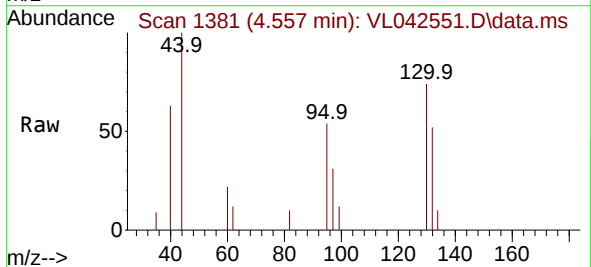
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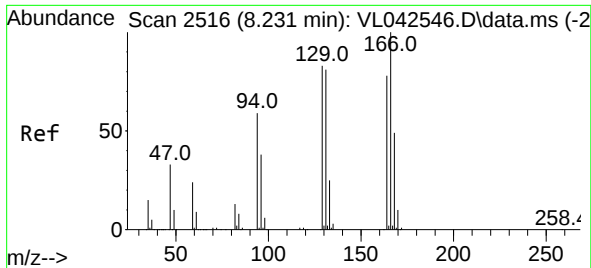
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#38
Trichloroethene
Concen: 0.035 ppbv m
RT: 4.557 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VL042551.D
Acq: 20 May 2025 11:54

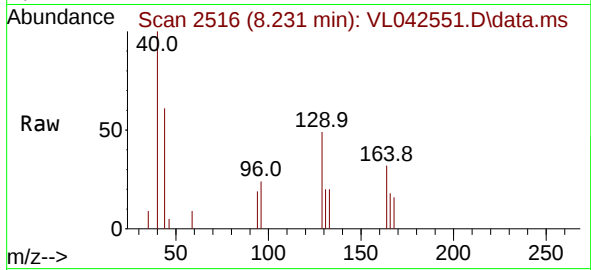
Tgt Ion:130 Resp: 475
Ion Ratio Lower Upper
130 100
95 73.6 85.2 127.8#
132 70.0 73.4 110.2#
97 42.6 54.2 81.2#





#52
Tetrachloroethene
Concen: 0.030 ppbv m
RT: 8.231 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VL042551.D
Acq: 20 May 2025 11:54

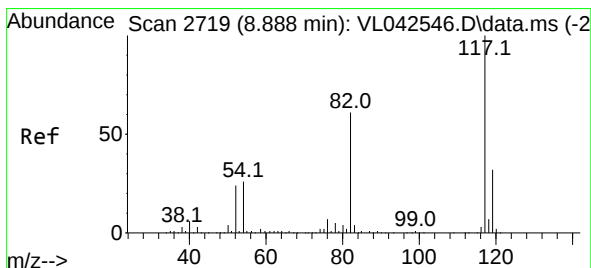
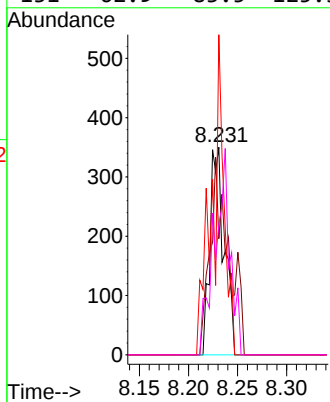
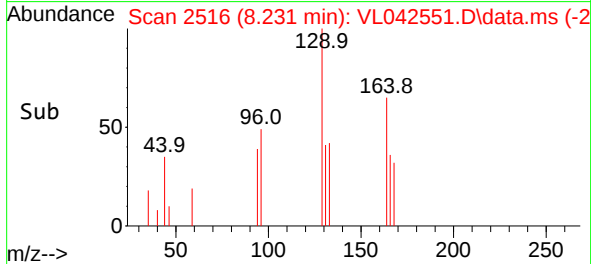
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion:164 Resp: 358
Ion Ratio Lower Upper
164 100
166 56.0 103.1 154.7
129 154.3 85.3 127.9
131 62.9 83.5 125.3

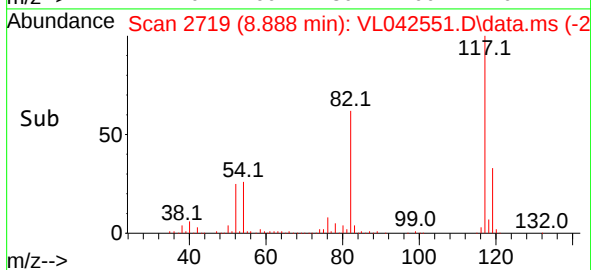
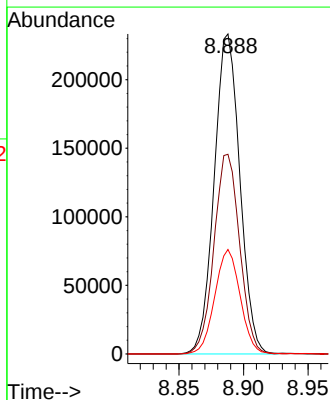
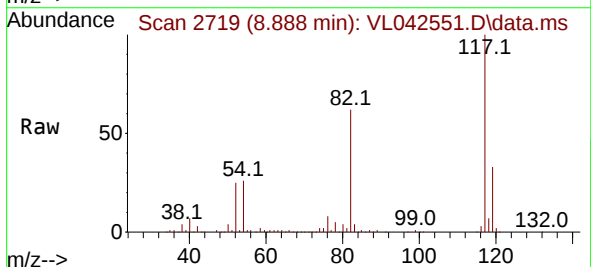
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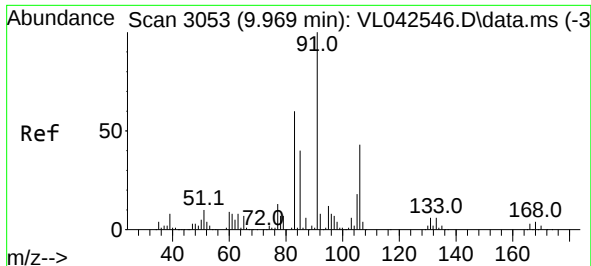
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. -0.000 min
Lab File: VL042551.D
Acq: 20 May 2025 11:54

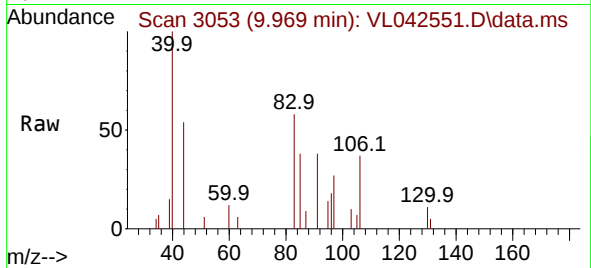
Tgt Ion:117 Resp: 322658
Ion Ratio Lower Upper
117 100
82 62.4 51.0 76.4
119 32.4 27.0 40.4





#63
1,1,2,2-Tetrachloroethane
Concen: 0.028 ppbv m
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042551.D
Acq: 20 May 2025 11:54

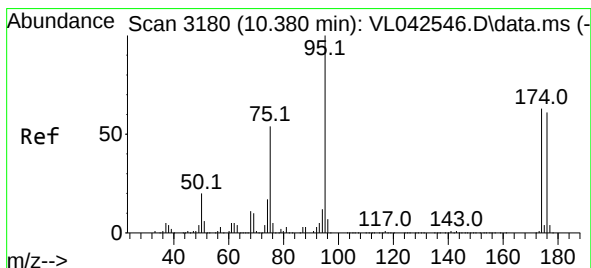
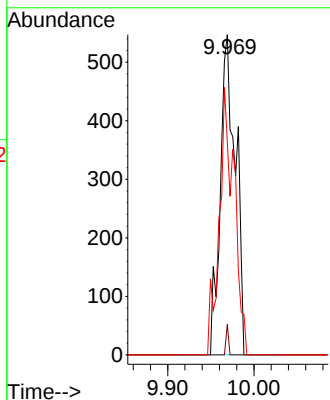
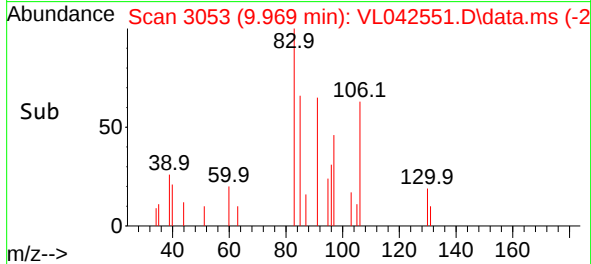
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion: 83 Resp: 672
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3
85 82.1 32.5 97.4

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.748 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL042551.D
Acq: 20 May 2025 11:54

Tgt Ion: 95 Resp: 251724
Ion Ratio Lower Upper
95 100
174 65.0 52.0 78.0
175 4.7 3.8 5.6

