

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043036.D
 Acq On : 02 Oct 2025 12:35
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/03/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Oct 03 07:59:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.771	49	175730	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	510906	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.859	117	418551	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.358	95	289539	9.603	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.573	62	1208	0.118	ppbv	96
32) 1,1,1-Trichloroethane	3.350	97	3686	0.094	ppbv	96
35) Carbon Tetrachloride	3.739	117	4230	0.101	ppbv #	91
38) Trichloroethene	4.522	130	1971m	0.097	ppbv	
52) Tetrachloroethene	8.199	164	1674	0.092	ppbv #	75
54) 1,2-Dibromoethane	7.626	107	2275m	0.095	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.946	83	3701	0.094	ppbv	93
79) Naphthalene	13.500	128	1393	0.261	ppbv #	94

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

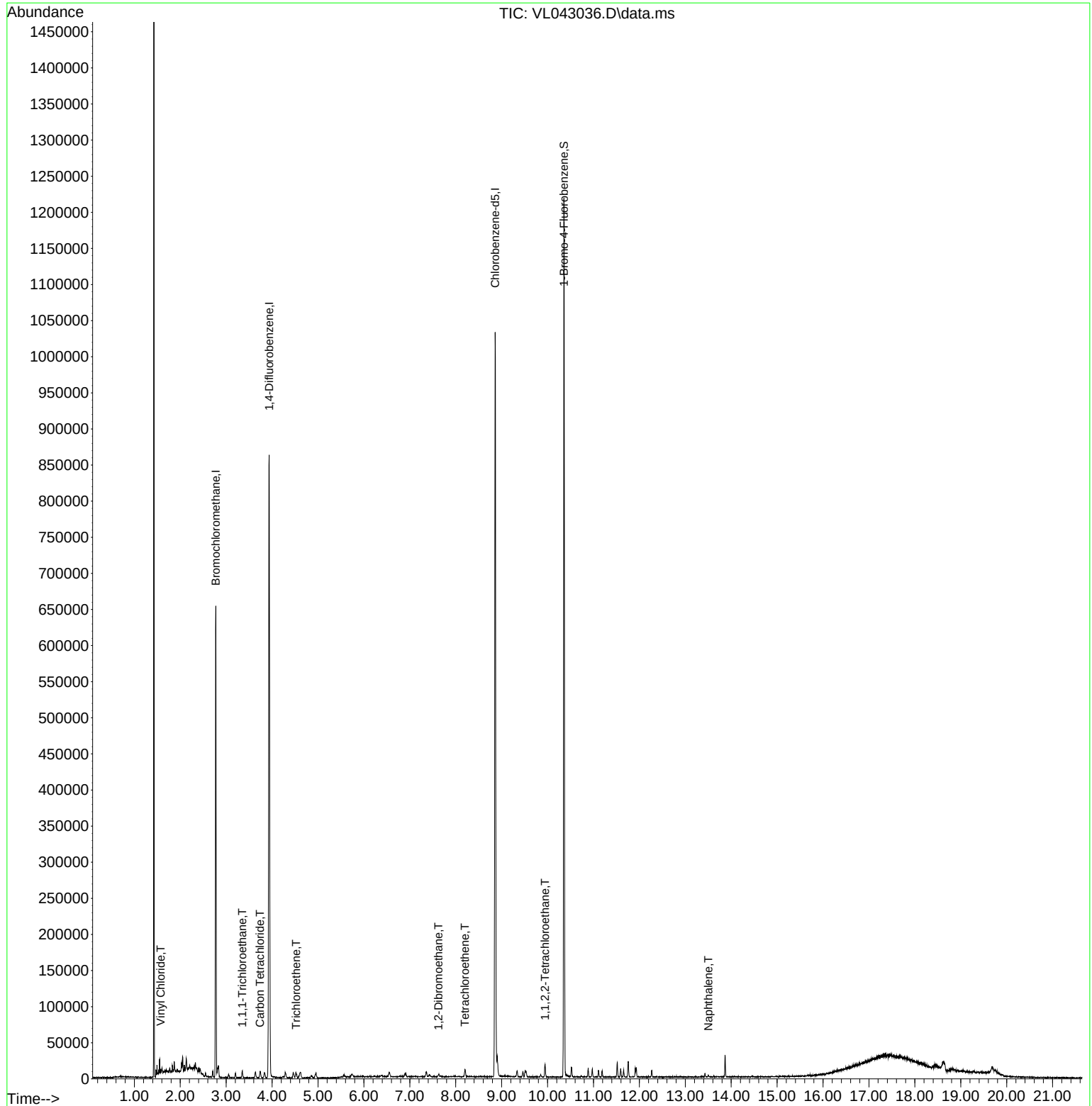
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
Data File : VL043036.D
Acq On : 02 Oct 2025 12:35
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

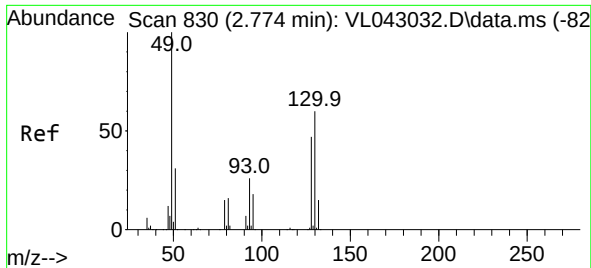
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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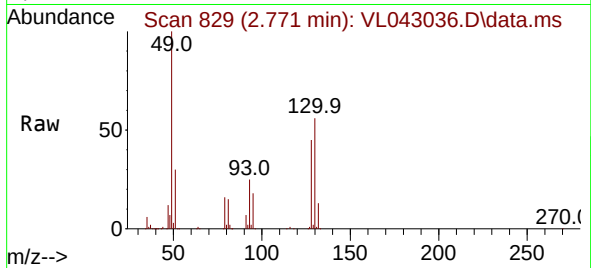
Quant Time: Oct 03 08:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 07:59:23 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.771 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

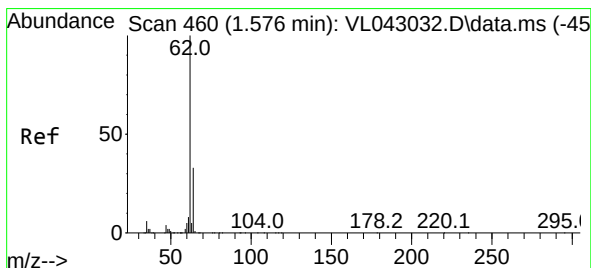
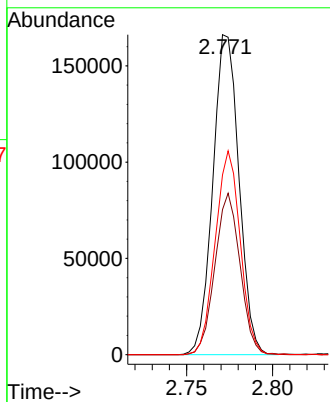
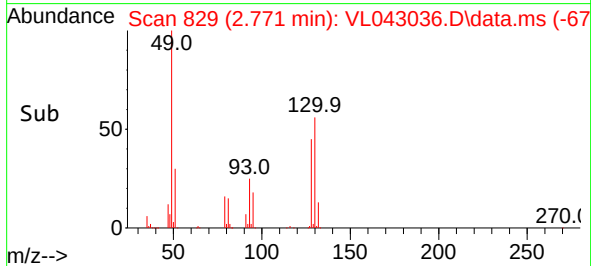
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 49 Resp: 175730
Ion Ratio Lower Upper
49 100
128 48.4 24.1 72.2
130 61.1 31.4 94.3

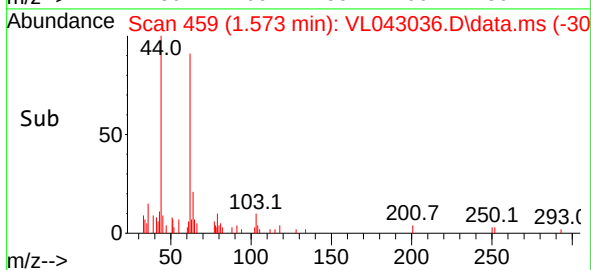
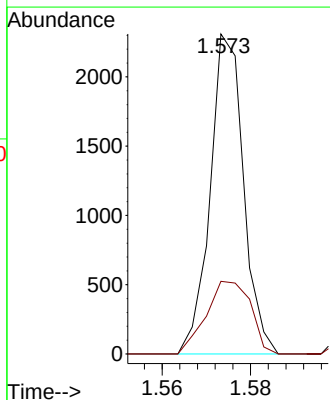
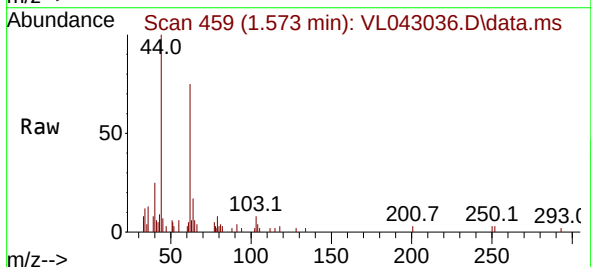
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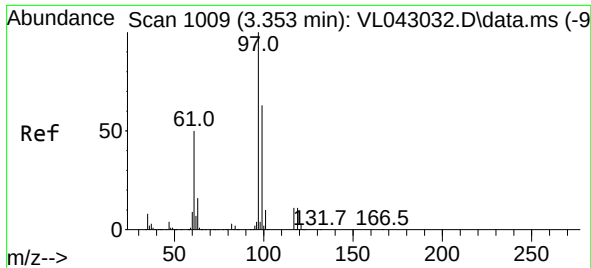
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#5
Vinyl Chloride
Concen: 0.118 ppbv
RT: 1.573 min Scan# 459
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 62 Resp: 1208
Ion Ratio Lower Upper
62 100
64 30.3 26.2 39.2





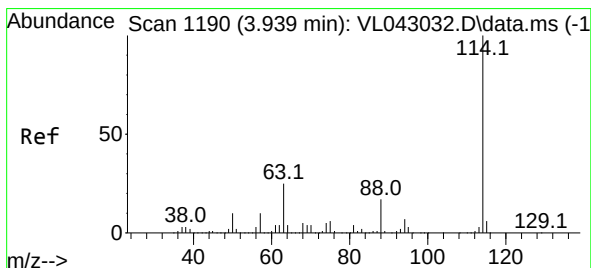
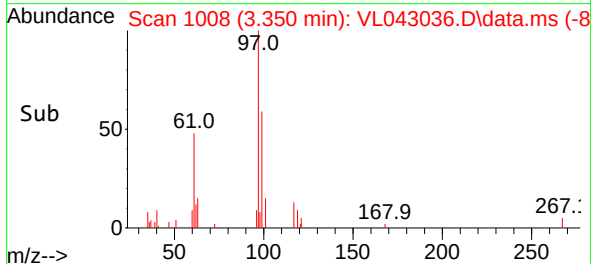
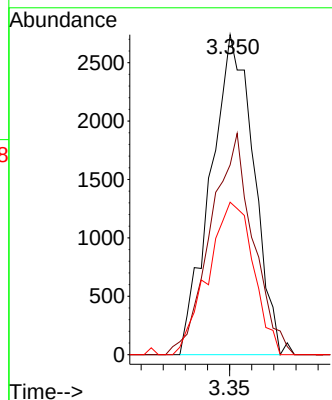
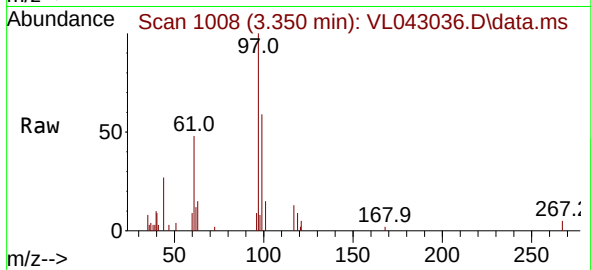
#32
1,1,1-Trichloroethane
Concen: 0.094 ppbv
RT: 3.350 min Scan# 1009
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 3680
Ion Ratio Lower Upper
97 100
99 68.6 51.2 76.8
61 50.9 40.1 60.1

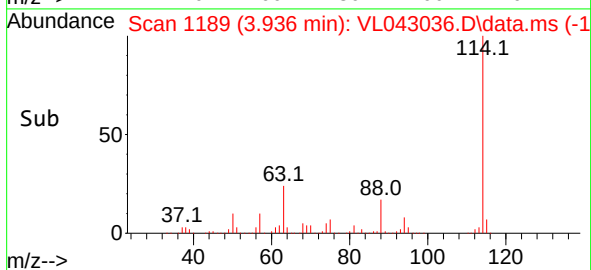
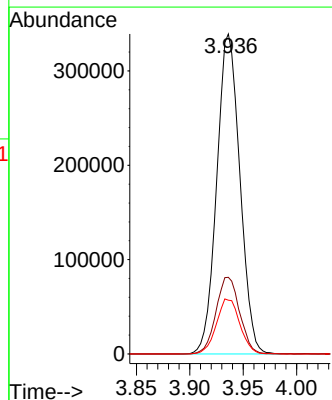
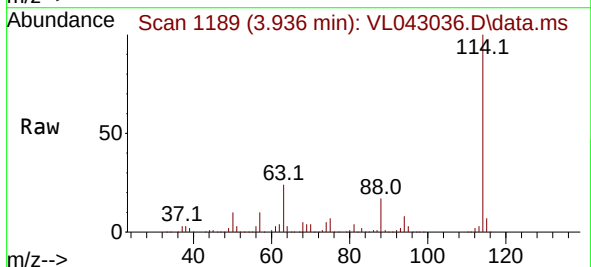
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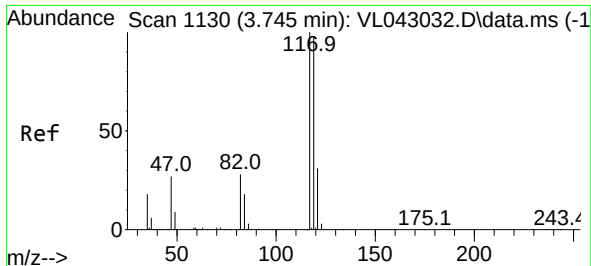
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.936 min Scan# 1189
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

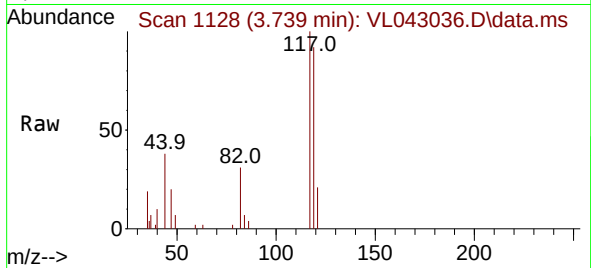
Tgt Ion:114 Resp: 510906
Ion Ratio Lower Upper
114 100
63 24.5 19.4 29.2
88 17.5 13.9 20.9





#35
Carbon Tetrachloride
Concen: 0.101 ppbv
RT: 3.739 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

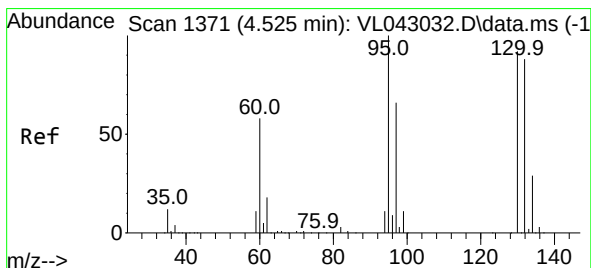
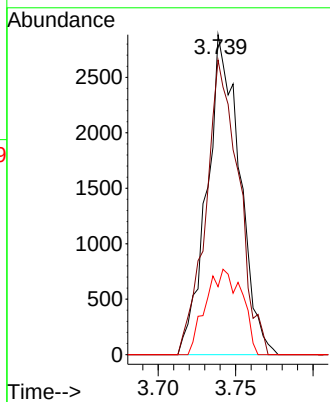
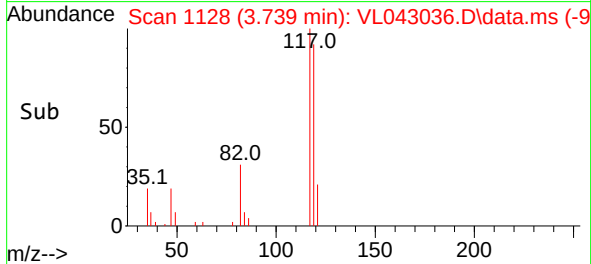
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 4230
Ion Ratio Lower Upper
117 100
119 92.1 78.2 117.4
121 21.2 24.8 37.2

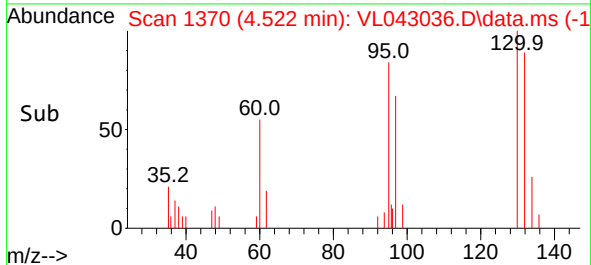
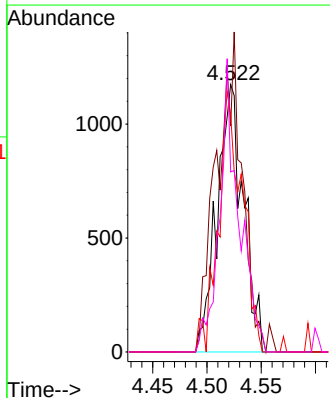
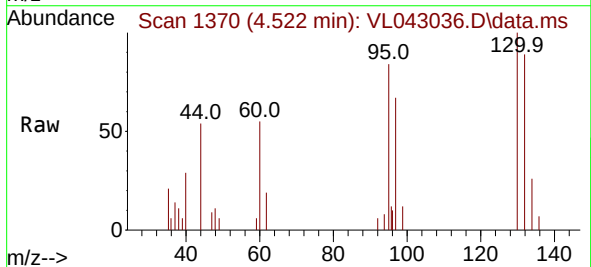
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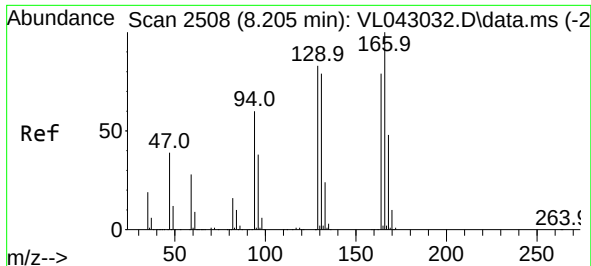
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#38
Trichloroethene
Concen: 0.097 ppbv m
RT: 4.522 min Scan# 1370
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

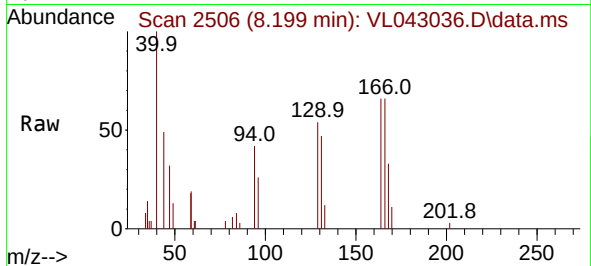
Tgt Ion:130 Resp: 1971
Ion Ratio Lower Upper
130 100
95 84.5 86.4 129.6#
132 88.7 75.7 113.5
97 67.3 56.9 85.3





#52
Tetrachloroethene
Concen: 0.092 ppbv
RT: 8.199 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

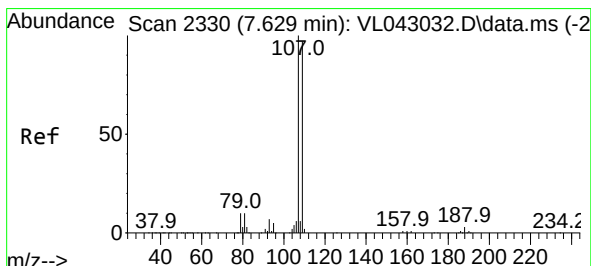
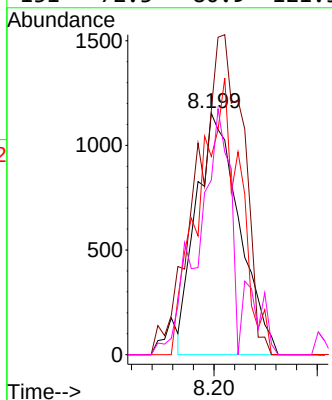
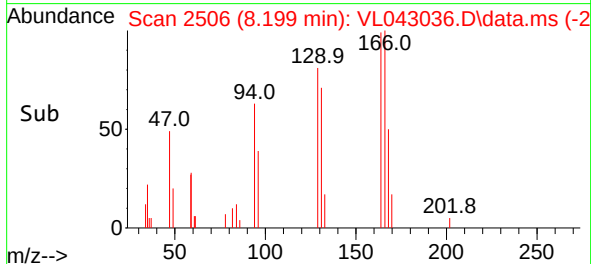
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:164 Resp: 1674
Ion Ratio Lower Upper
164 100
166 101.1 101.8 152.8
129 82.1 84.5 126.7
131 72.3 80.9 121.3

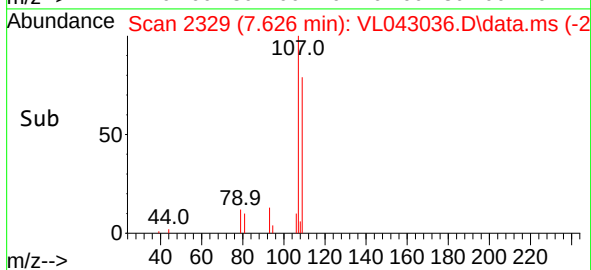
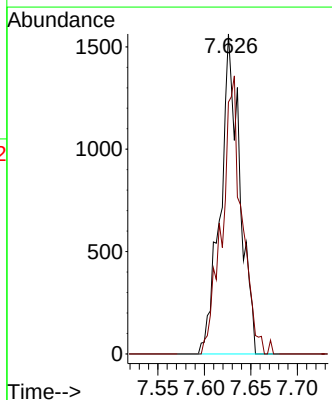
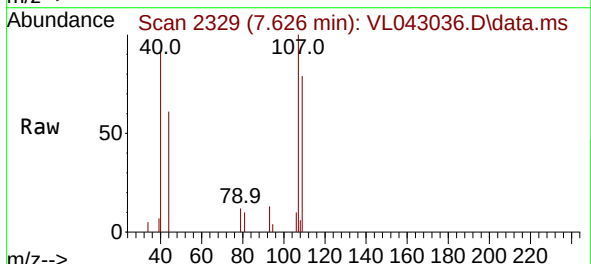
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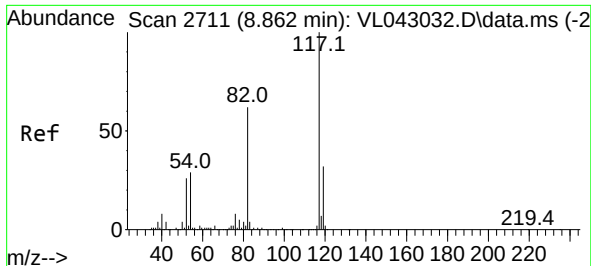
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#54
1,2-Dibromoethane
Concen: 0.095 ppbv m
RT: 7.626 min Scan# 2329
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

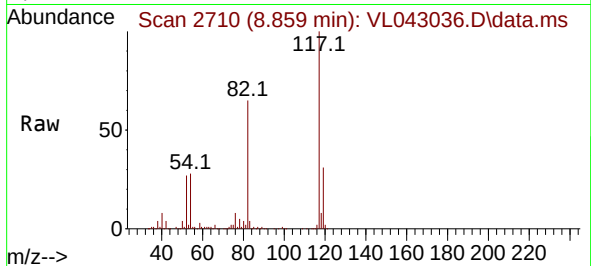
Tgt Ion:107 Resp: 2275
Ion Ratio Lower Upper
107 100
109 78.7 77.4 116.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.859 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

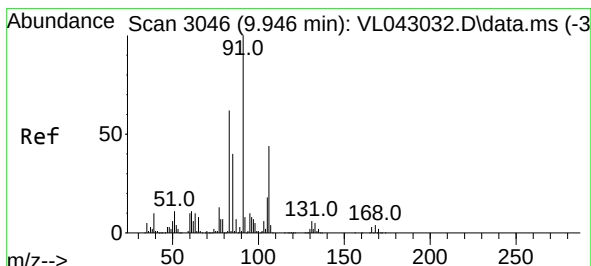
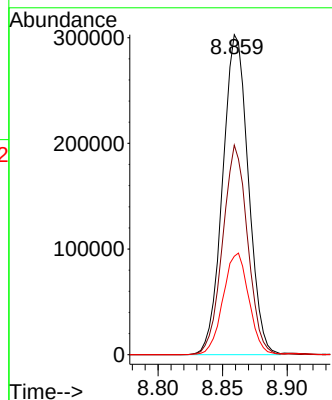
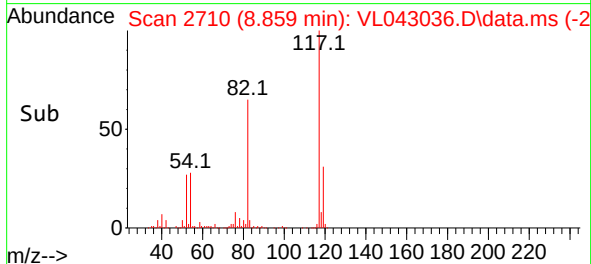
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 117 Resp: 41855
Ion Ratio Lower Upper
117 100
82 63.8 53.0 79.6
119 32.3 25.4 38.2

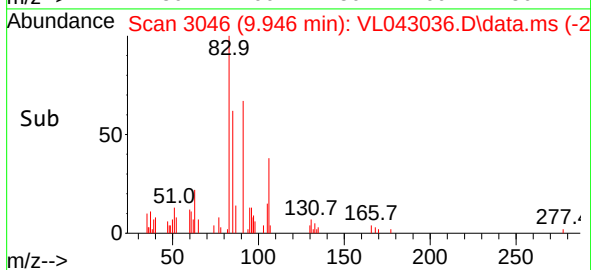
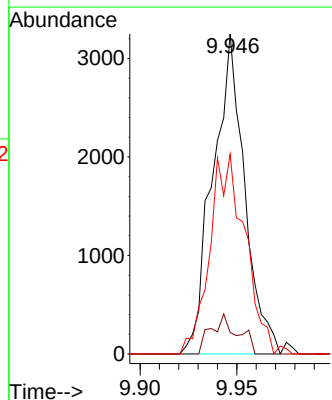
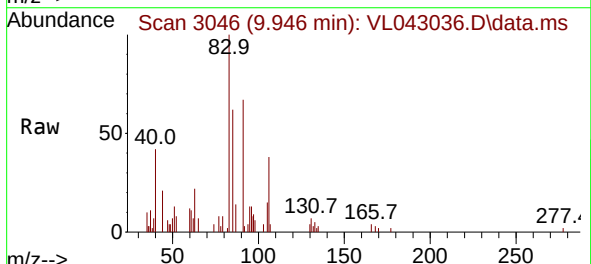
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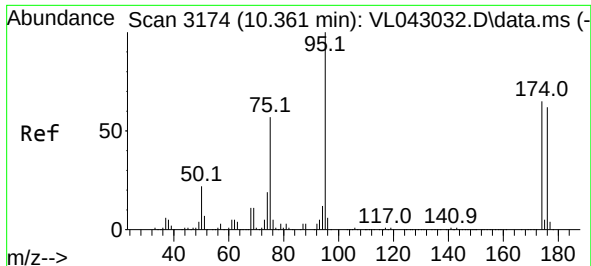
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.094 ppbv
RT: 9.946 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

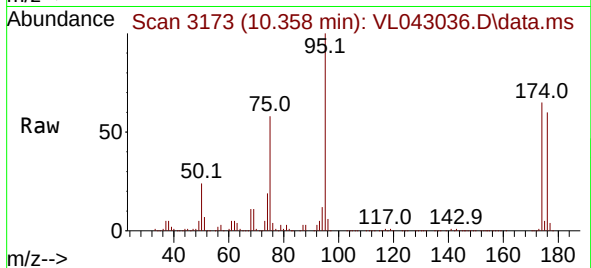
Tgt Ion: 83 Resp: 3701
Ion Ratio Lower Upper
83 100
131 10.4 4.7 14.1
85 69.8 32.0 96.2





#68
1-Bromo-4-Fluorobenzene
Concen: 9.603 ppbv
RT: 10.358 min Scan# 3173
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

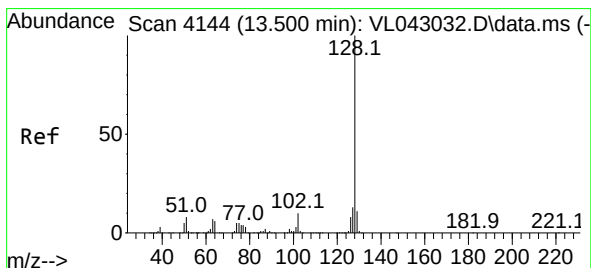
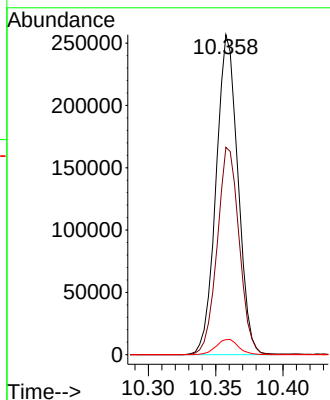
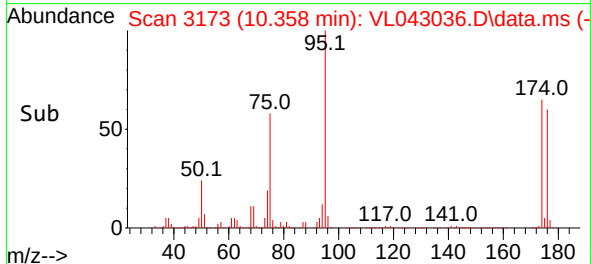
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 95 Resp: 289539
Ion Ratio Lower Upper
95 100
174 65.4 52.3 78.5
175 4.9 3.8 5.8

Manual Integrations
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#79
Naphthalene
Concen: 0.261 ppbv
RT: 13.500 min Scan# 4144
Delta R.T. 0.000 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion:128 Resp: 1393
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 15.8 8.8 13.2#

