

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042696.D
 Acq On : 02 Jul 2025 12:12
 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 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 01:30:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Jul 03 01:24:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	118499	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	296801	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	254532	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	189972	9.703	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.000%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	582	0.119	ppbv #	84
32) 1,1,1-Trichloroethane	3.379	97	2303m	0.108	ppbv	
35) Carbon Tetrachloride	3.774	117	2203m	0.107	ppbv	
38) Trichloroethene	4.567	130	1645m	0.127	ppbv	
52) Tetrachloroethene	8.241	164	1191	0.119	ppbv #	61
54) 1,2-Dibromoethane	7.665	107	1652	0.103	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.972	83	2556m	0.109	ppbv	
79) Naphthalene	13.520	128	1818m	0.062	ppbv	

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

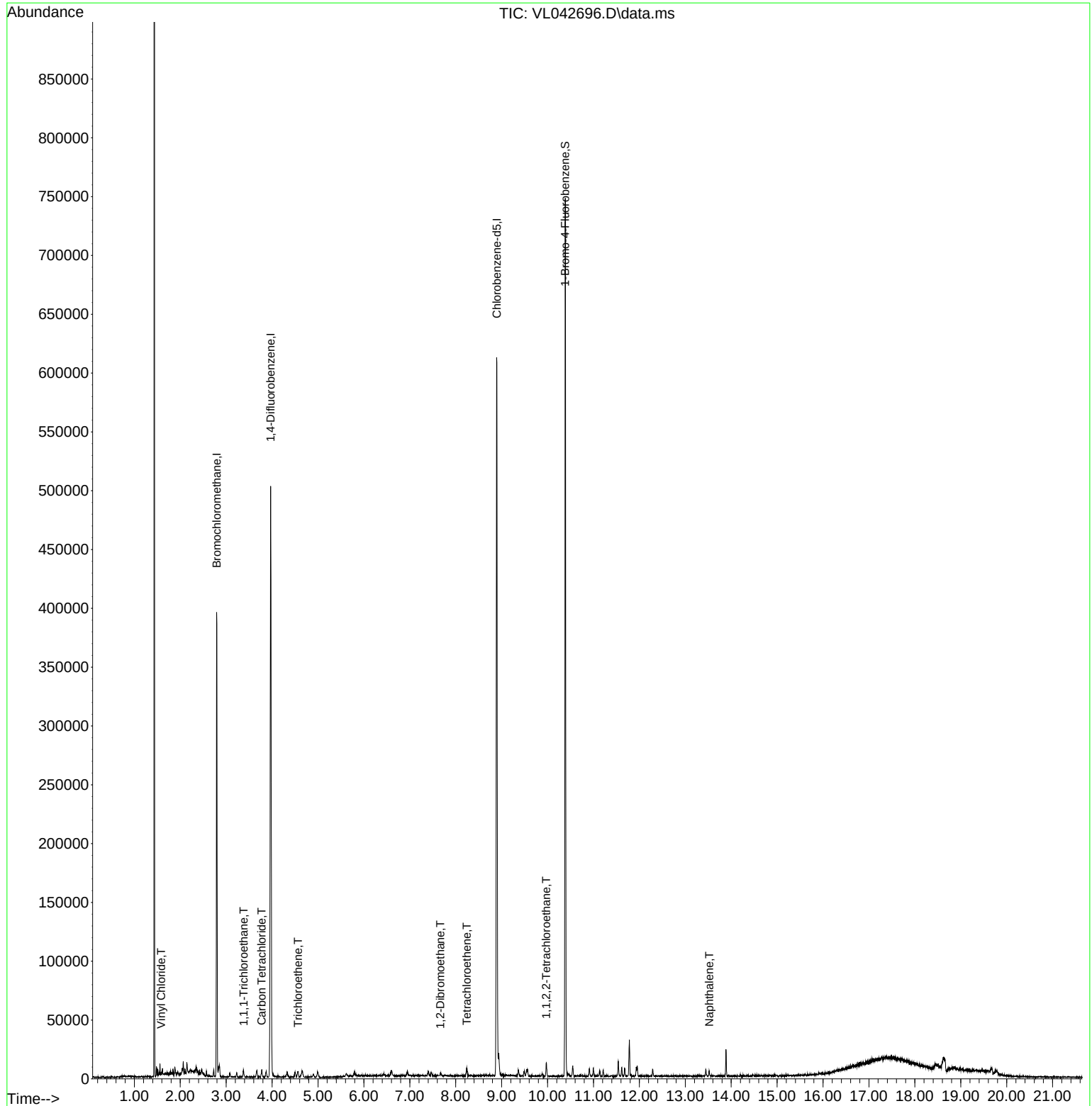
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
Data File : VL042696.D
Acq On : 02 Jul 2025 12:12
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

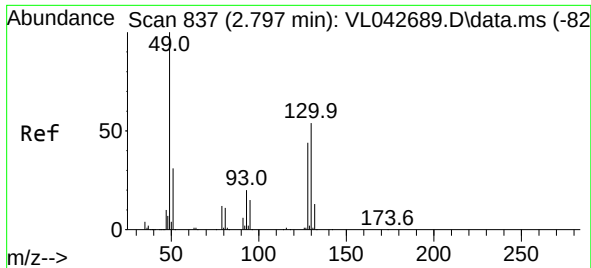
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
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Quant Time: Jul 03 01:30:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 03 01:24:10 2025
Response via : Initial Calibration





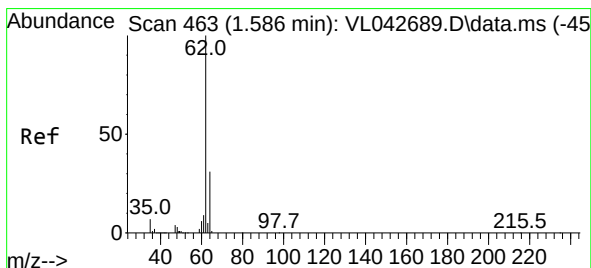
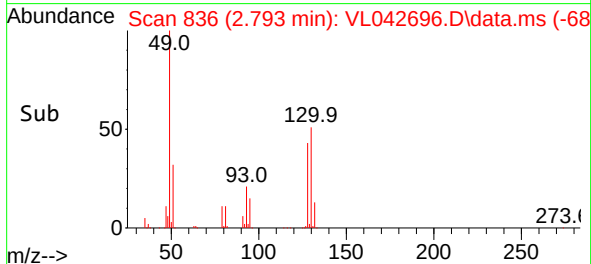
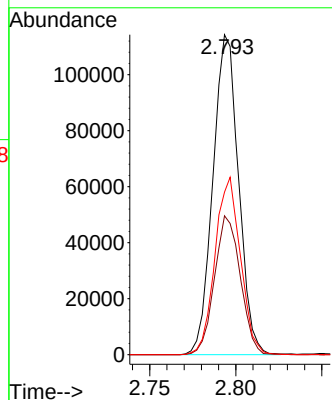
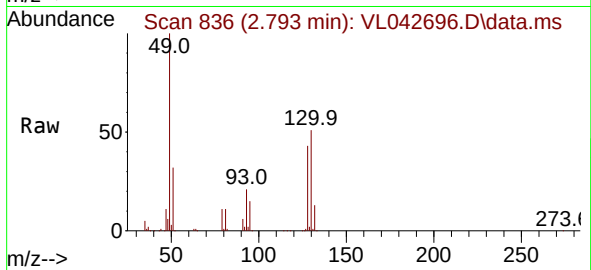
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 118499
Ion Ratio Lower Upper
49 100
128 43.8 21.4 64.2
130 55.0 28.0 84.0

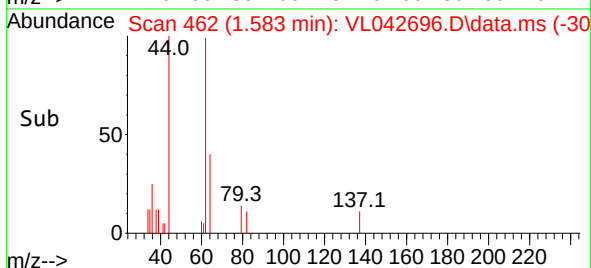
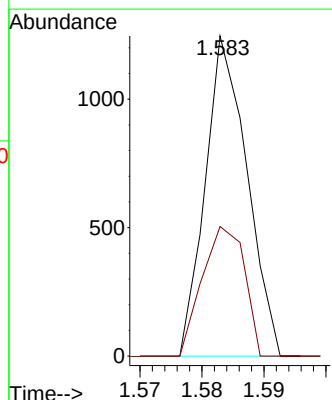
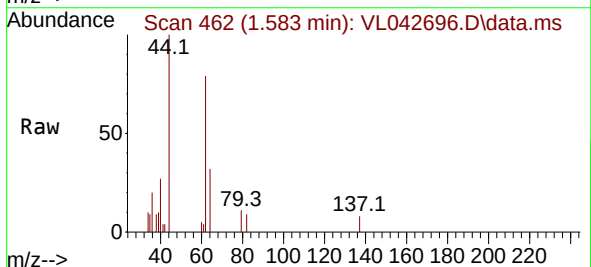
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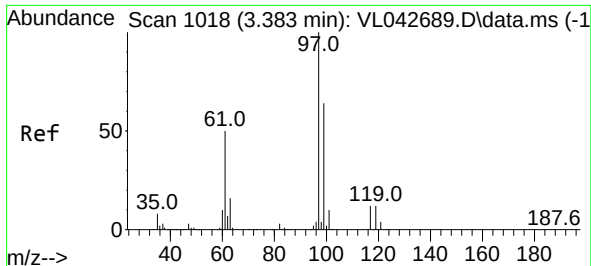
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#5
Vinyl Chloride
Concen: 0.119 ppbv
RT: 1.583 min Scan# 462
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 62 Resp: 582
Ion Ratio Lower Upper
62 100
64 40.4 25.1 37.7#





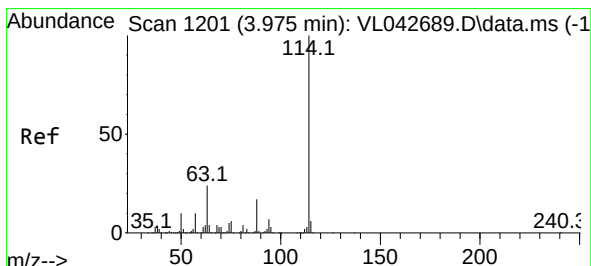
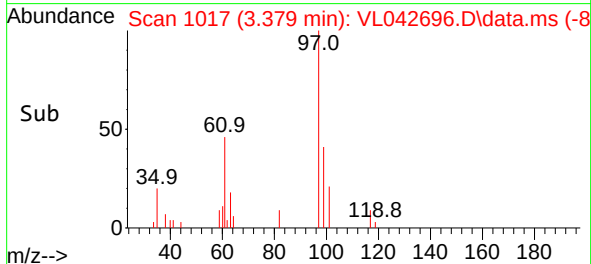
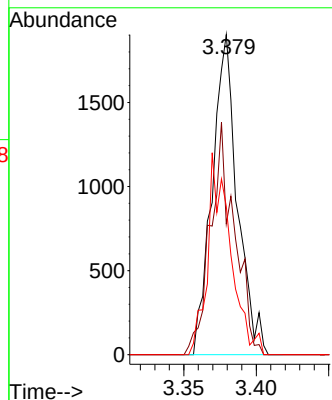
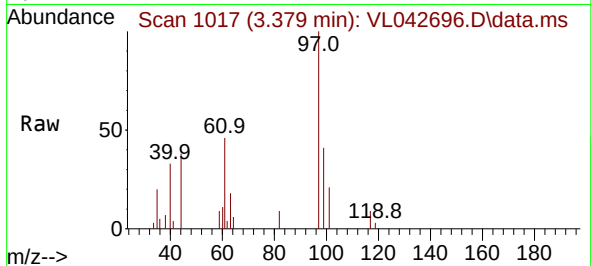
#32
1,1,1-Trichloroethane
Concen: 0.108 ppbv m
RT: 3.379 min Scan# 1199
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 97 Resp: 230
Ion Ratio Lower Upper
97 100
99 69.3 51.4 77.0
61 57.2 41.1 61.7

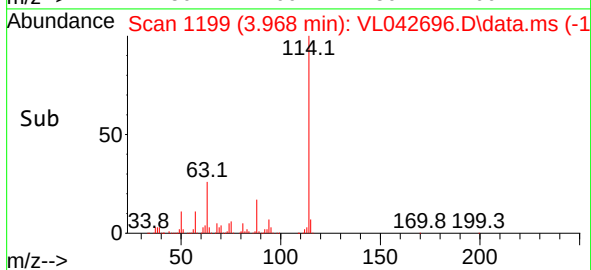
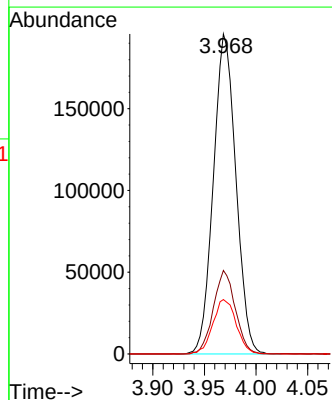
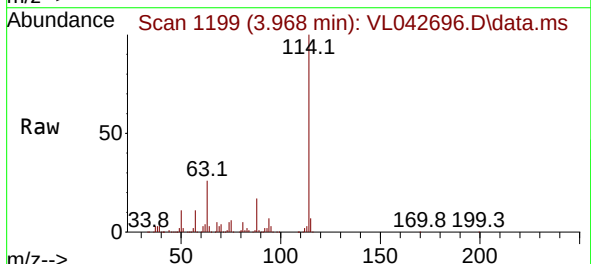
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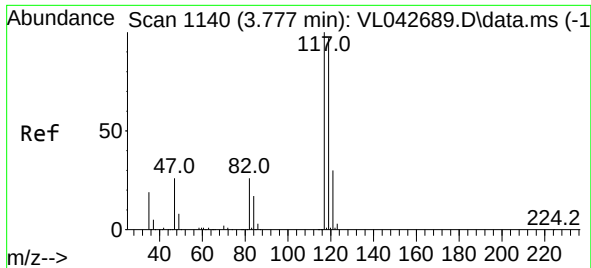
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.007 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

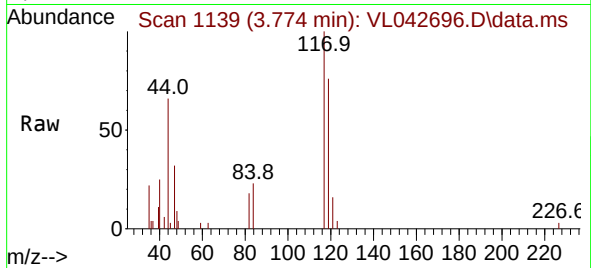
Tgt Ion:114 Resp: 296801
Ion Ratio Lower Upper
114 100
63 25.5 20.4 30.6
88 17.6 14.2 21.2





#35
Carbon Tetrachloride
Concen: 0.107 ppbv m
RT: 3.774 min Scan# 1139
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

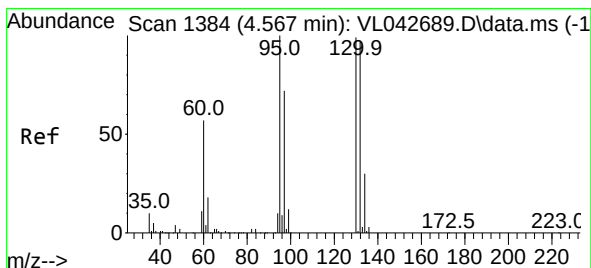
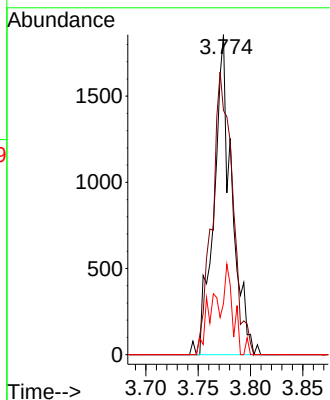
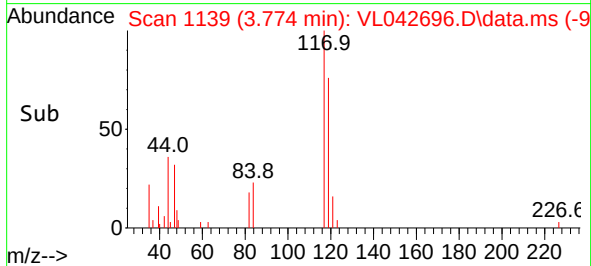
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion:117 Resp: 220
Ion Ratio Lower Upper
117 100
119 76.3 77.6 116.4
121 16.0 24.0 36.0

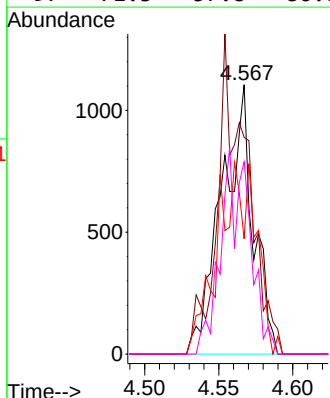
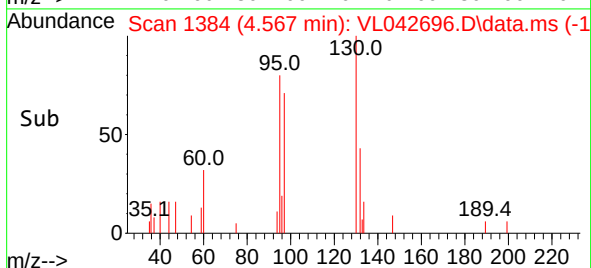
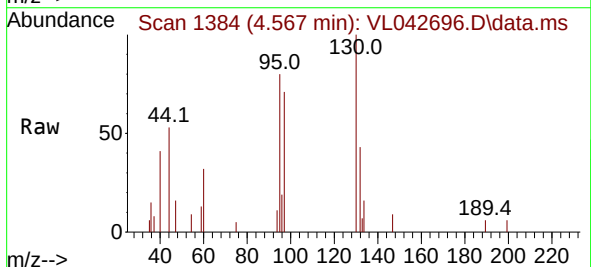
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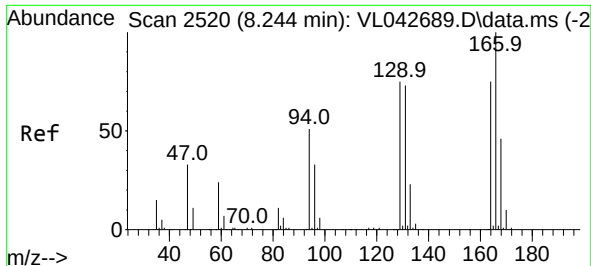
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#38
Trichloroethene
Concen: 0.127 ppbv m
RT: 4.567 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

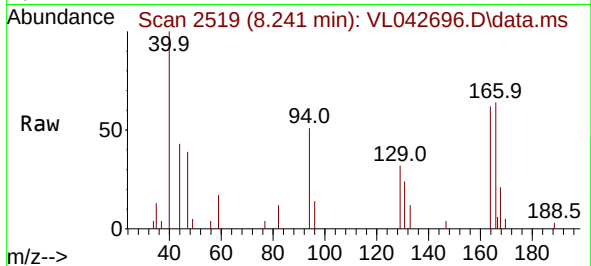
Tgt Ion:130 Resp: 1645
Ion Ratio Lower Upper
130 100
95 80.5 81.1 121.7#
132 42.8 77.9 116.9#
97 71.3 57.8 86.8





#52
Tetrachloroethene
Concen: 0.119 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

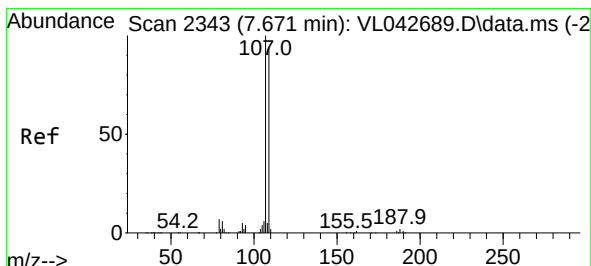
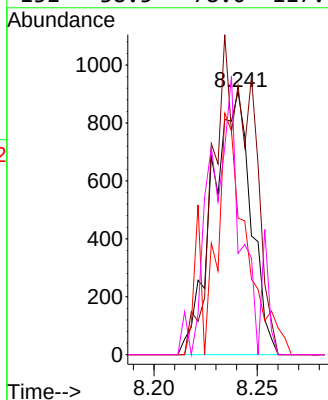
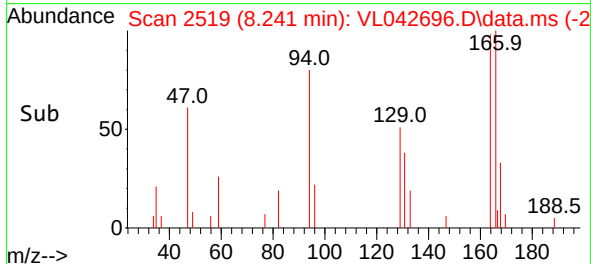
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion:164 Resp: 119
Ion Ratio Lower Upper
164 100
166 111.6 106.6 160.0
129 52.0 79.8 119.6
131 38.5 78.0 117.0

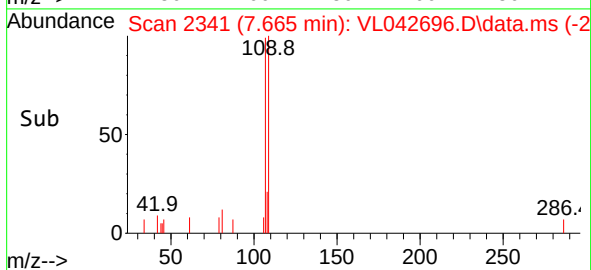
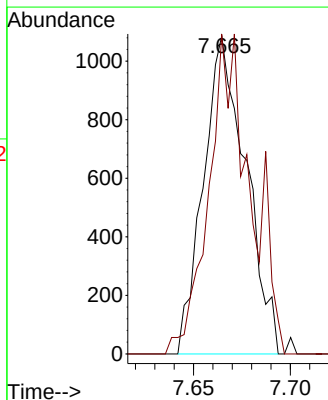
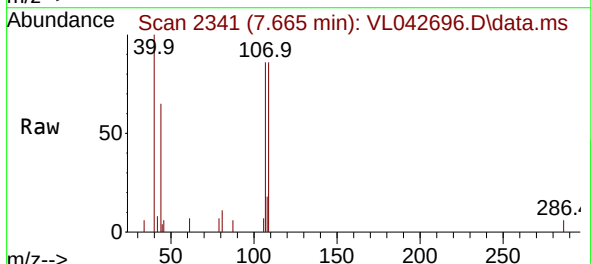
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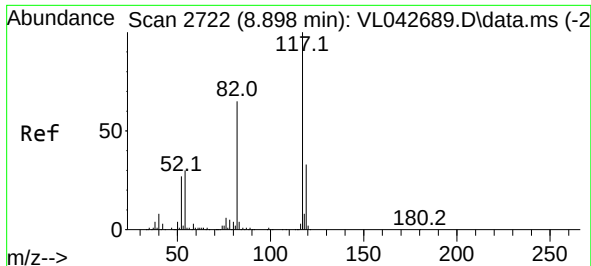
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#54
1,2-Dibromoethane
Concen: 0.103 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. -0.007 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion:107 Resp: 1652
Ion Ratio Lower Upper
107 100
109 95.4 74.8 112.2





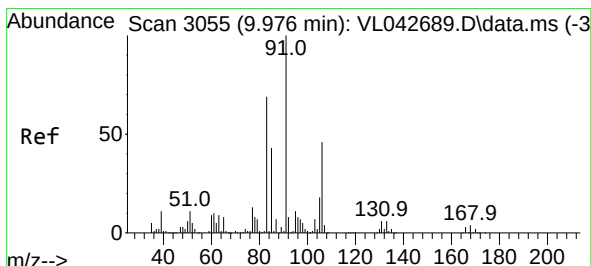
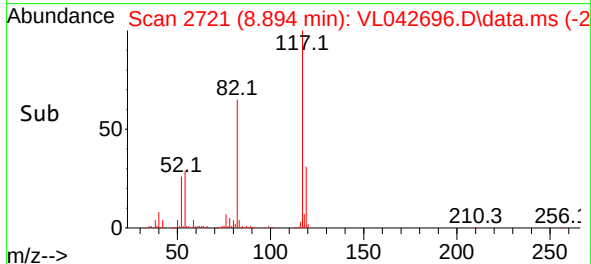
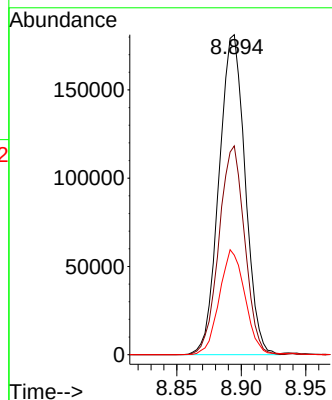
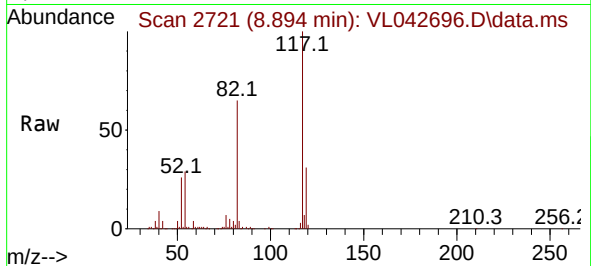
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 117 Resp: 25453
Ion Ratio Lower Upper
117 100
82 64.6 53.4 80.2
119 32.6 26.6 39.8

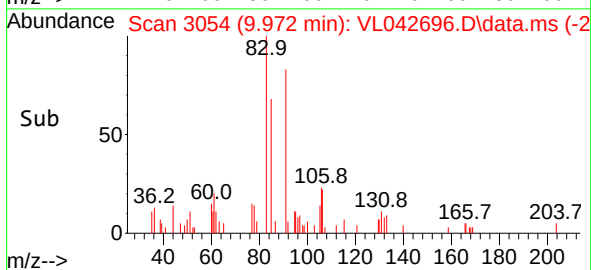
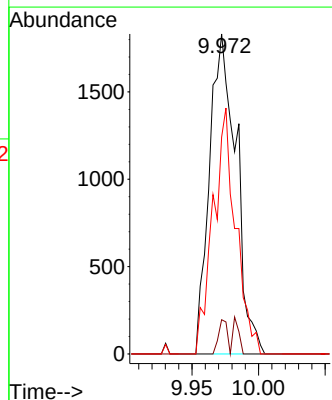
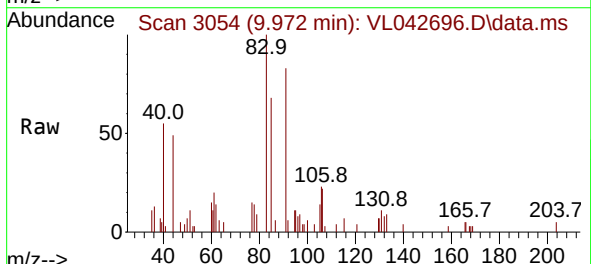
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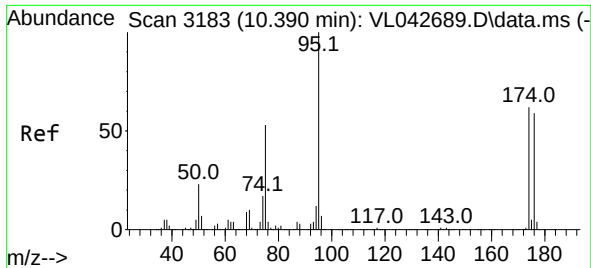
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.109 ppbv m
RT: 9.972 min Scan# 3054
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

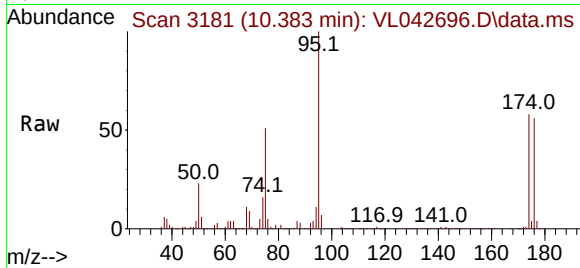
Tgt Ion: 83 Resp: 2556
Ion Ratio Lower Upper
83 100
131 0.0 4.5 13.4#
85 65.1 31.5 94.5





#68
1-Bromo-4-Fluorobenzene
Concen: 9.703 ppbv
RT: 10.383 min Scan# 3183
Delta R.T. -0.007 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

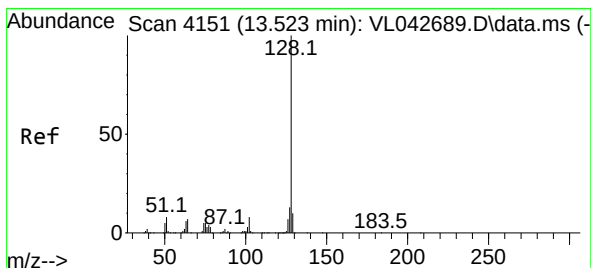
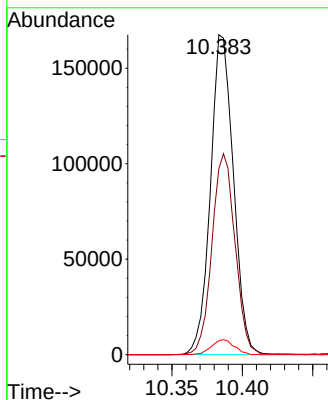
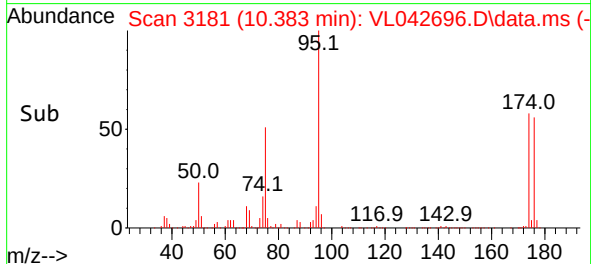
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1



Tgt Ion: 95 Resp: 189972
Ion Ratio Lower Upper
95 100
174 63.5 51.2 76.8
175 4.7 3.8 5.8

Manual Integrations
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Supervised By :Mahesh Dadoda 07/03/2025



#79
Naphthalene
Concen: 0.062 ppbv m
RT: 13.520 min Scan# 4150
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion:128 Resp: 1818
Ion Ratio Lower Upper
128 100
127 9.1 10.2 15.4#
129 10.9 8.2 12.2

