

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
 Data File : VL042168.D
 Acq On : 25 Mar 2025 11:02
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin
 Yesilyurt

03/26/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Mar 26 01:33:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Mar 26 01:29:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	174598	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	407917	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.898	117	338792	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	265716	10.036	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.586	62	894	0.136	ppbv #	63
32) 1,1,1-Trichloroethane	3.389	97	2949m	0.092	ppbv	
35) Carbon Tetrachloride	3.784	117	2839m	0.100	ppbv	
38) Trichloroethene	4.571	130	1745m	0.100	ppbv	
52) Tetrachloroethene	8.234	164	1208m	0.083	ppbv	
54) 1,2-Dibromoethane	7.691	107	2005m	0.090	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.976	83	3461	0.102	ppbv #	96
79) Naphthalene	13.523	128	1625m	0.036	ppbv	

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

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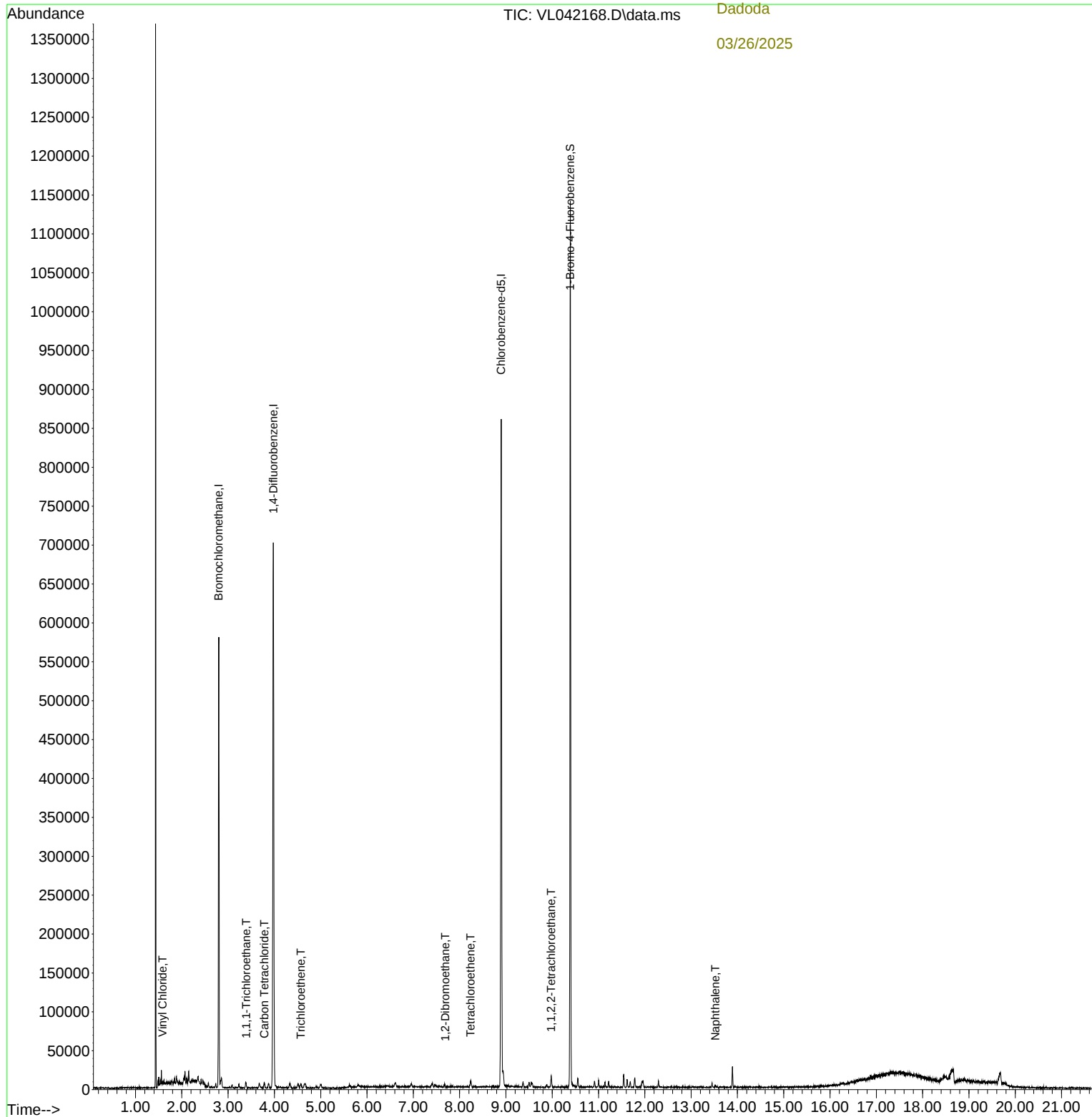
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

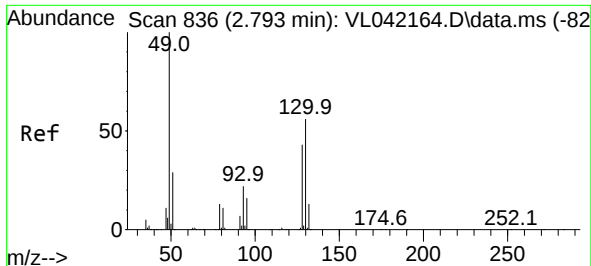
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042168.D
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MSVOA_L
ClientSampleId :
VSTDICC0.1

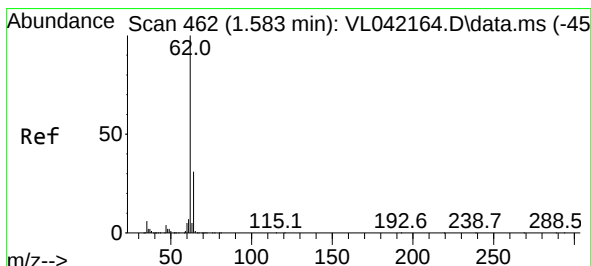
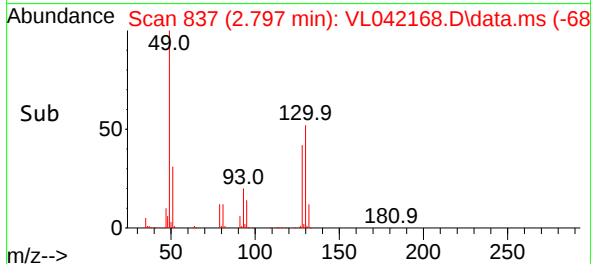
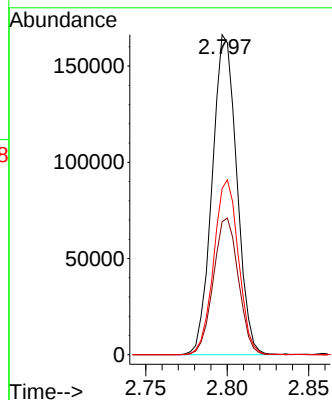
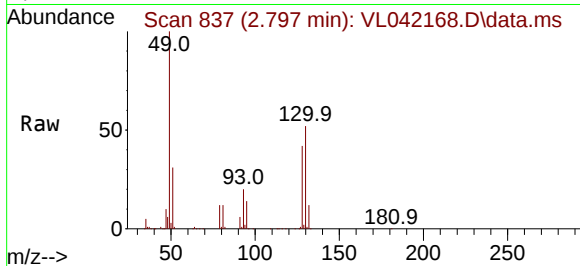
Tgt Ion: 49 Resp: 174598
Ion Ratio Lower Upper
49 100
128 43.5 21.5 64.5
130 54.8 27.3 81.9

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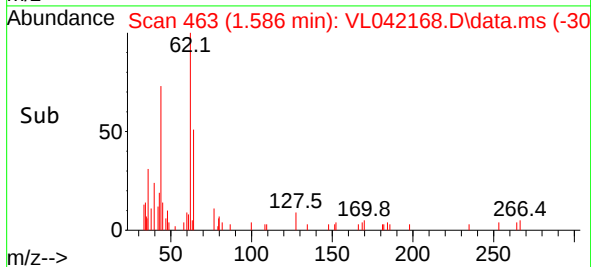
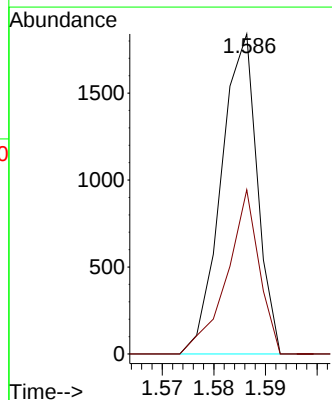
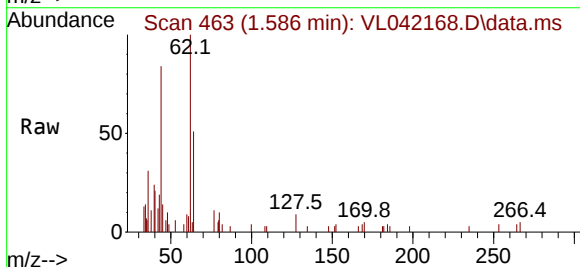
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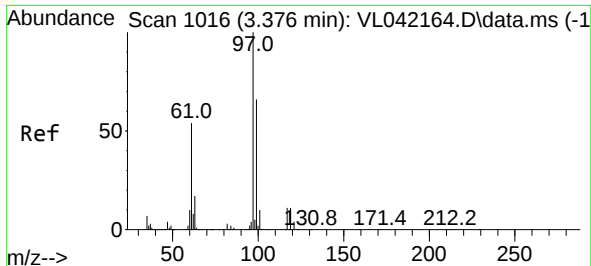
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#5
Vinyl Chloride
Concen: 0.136 ppbv
RT: 1.586 min Scan# 463
Delta R.T. 0.004 min
Lab File: VL042168.D
Acq: 25 Mar 2025 11:02

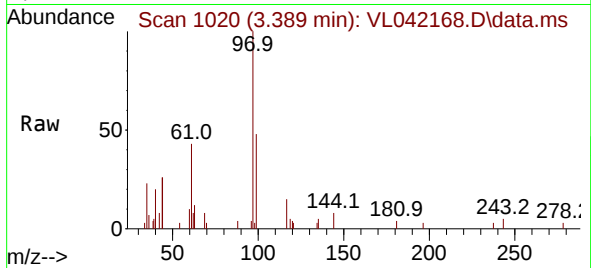
Tgt Ion: 62 Resp: 894
Ion Ratio Lower Upper
62 100
64 51.3 24.8 37.2#





#32
1,1,1-Trichloroethane
Concen: 0.092 ppbv m
RT: 3.389 min Scan# 1016
Delta R.T. 0.013 min
Lab File: VL042168.D
Acq: 25 Mar 2025 11:02

Instrument :
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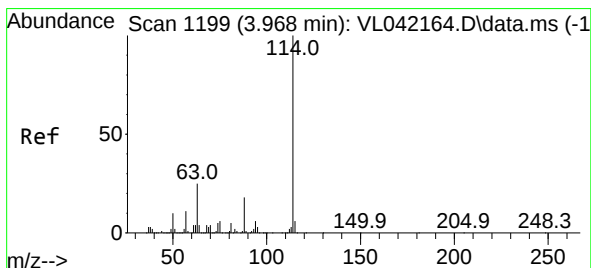
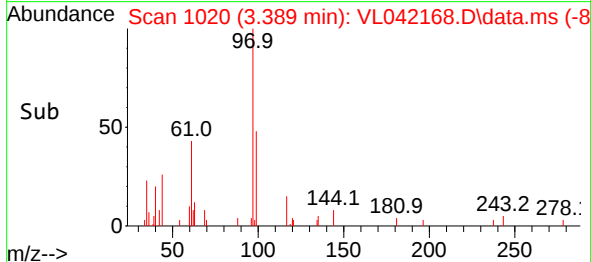
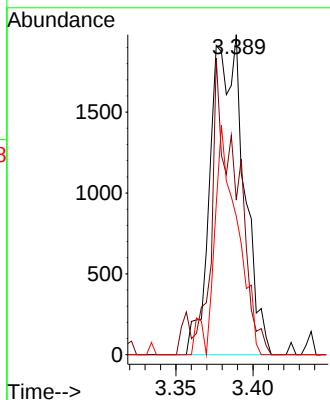
Tgt Ion: 97 Resp: 2949
Ion Ratio Lower Upper
97 100
99 71.5 50.6 75.8
61 50.6 42.1 63.1

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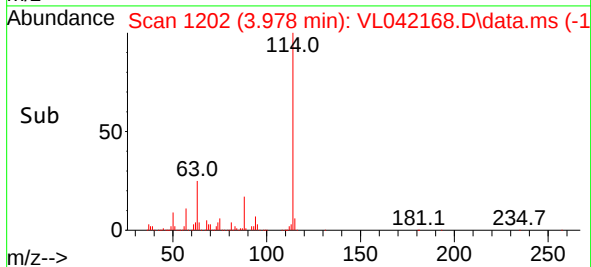
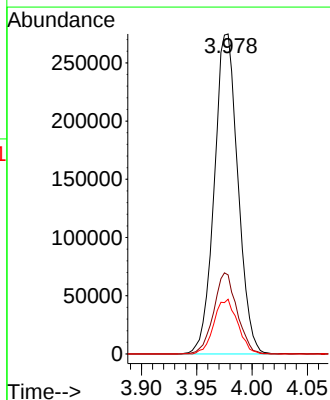
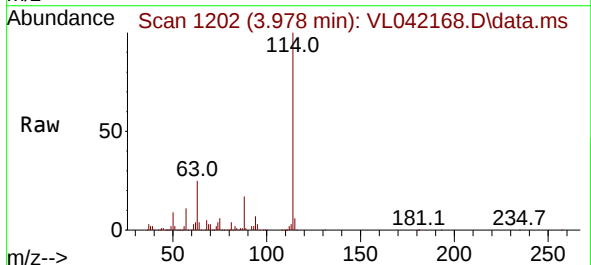
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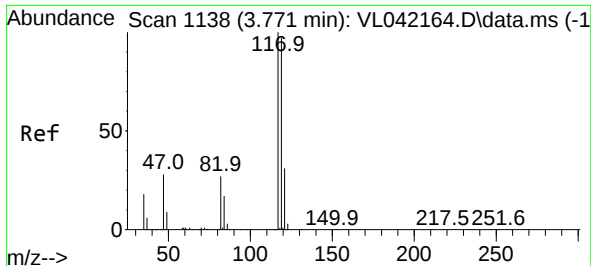
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. 0.010 min
Lab File: VL042168.D
Acq: 25 Mar 2025 11:02

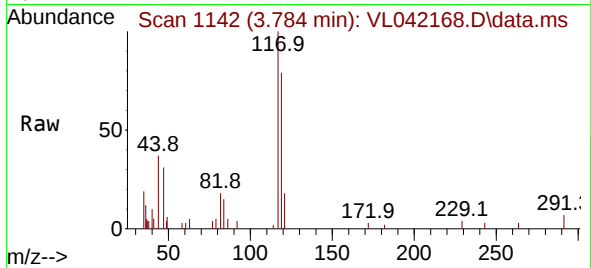
Tgt Ion:114 Resp: 407917
Ion Ratio Lower Upper
114 100
63 25.1 20.1 30.1
88 17.2 14.2 21.2





#35
Carbon Tetrachloride
Concen: 0.100 ppbv m
RT: 3.784 min Scan# 1138
Delta R.T. 0.013 min
Lab File: VL042168.D
Acq: 25 Mar 2025 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



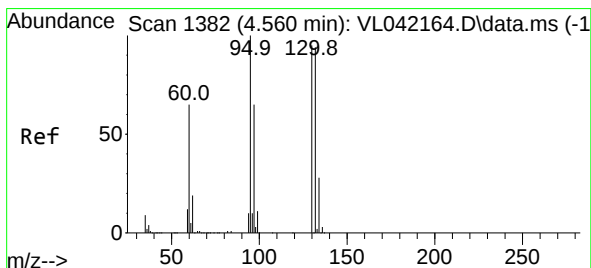
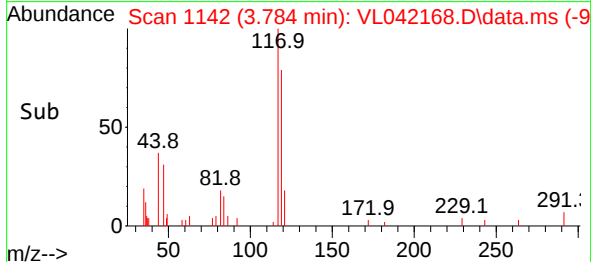
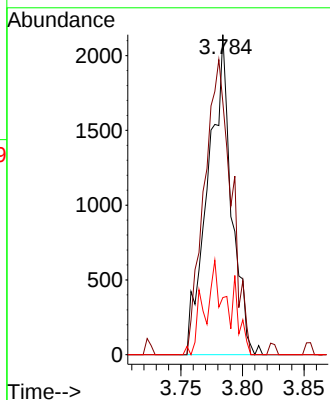
Tgt Ion:117 Resp: 2839
Ion Ratio Lower Upper
117 100
119 78.9 77.5 116.3
121 17.9 24.5 36.7

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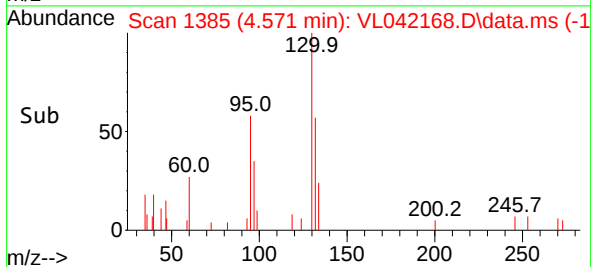
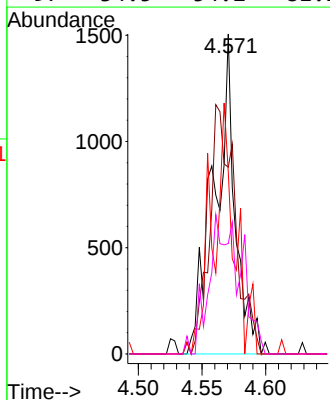
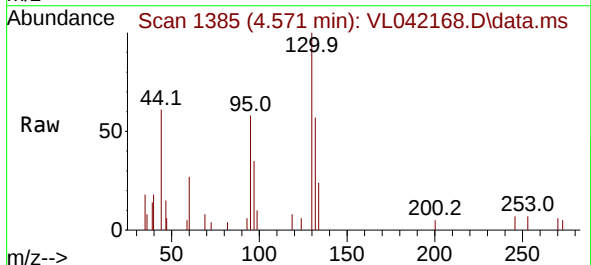
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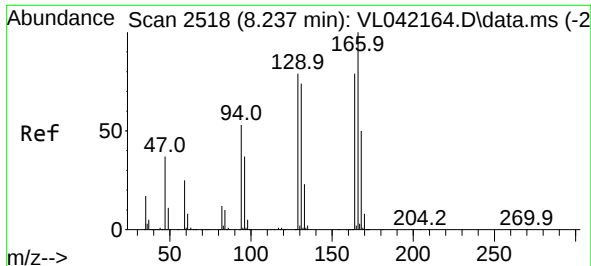
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#38
Trichloroethene
Concen: 0.100 ppbv m
RT: 4.571 min Scan# 1385
Delta R.T. 0.010 min
Lab File: VL042168.D
Acq: 25 Mar 2025 11:02

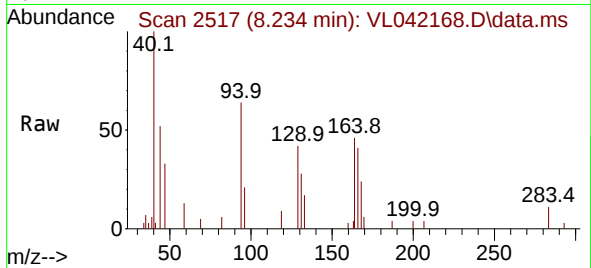
Tgt Ion:130 Resp: 1745
Ion Ratio Lower Upper
130 100
95 58.4 84.1 126.1#
132 56.8 79.0 118.6#
97 34.5 54.2 81.2#





#52
Tetrachloroethene
Concen: 0.083 ppbv m
RT: 8.234 min Scan# 2168
Delta R.T. -0.003 min
Lab File: VL042168.D
Acq: 25 Mar 2025 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



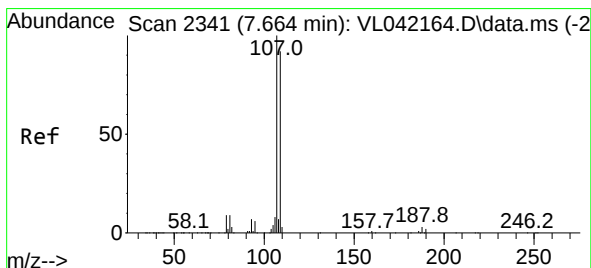
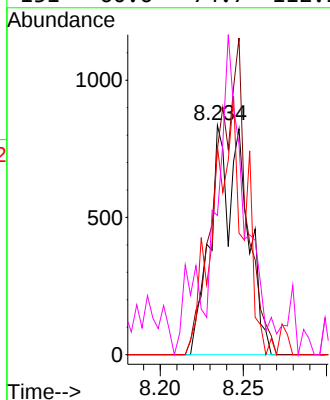
Tgt Ion:164 Resp: 1208
Ion Ratio Lower Upper
164 100
166 89.6 101.3 151.9
129 90.9 79.6 119.4
131 60.6 74.7 112.1

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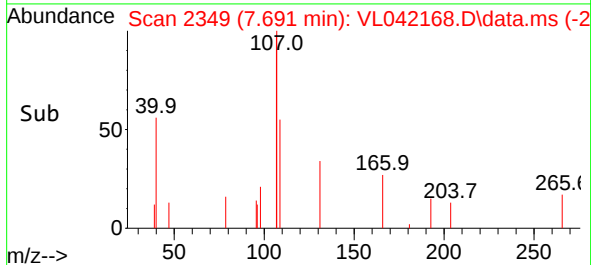
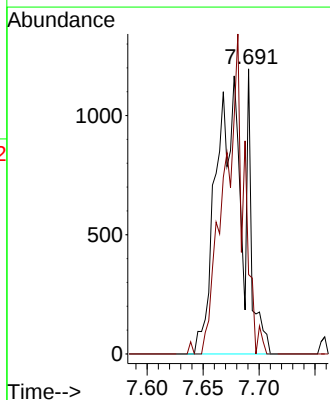
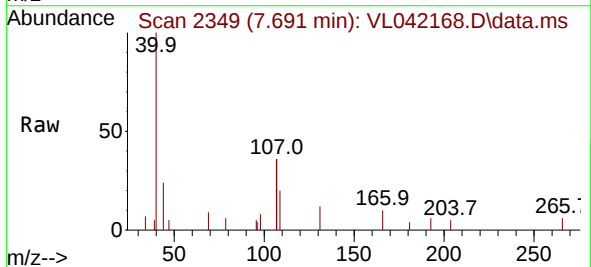
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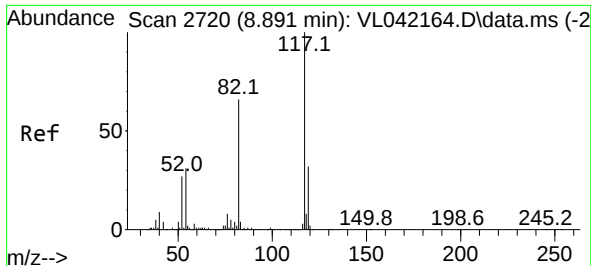
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#54
1,2-Dibromoethane
Concen: 0.090 ppbv m
RT: 7.691 min Scan# 2349
Delta R.T. 0.026 min
Lab File: VL042168.D
Acq: 25 Mar 2025 11:02

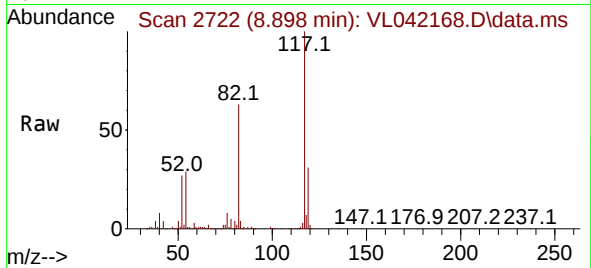
Tgt Ion:107 Resp: 2005
Ion Ratio Lower Upper
107 100
109 55.1 73.4 110.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2117
Delta R.T. 0.007 min
Lab File: VL042168.D
Acq: 25 Mar 2025 11:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



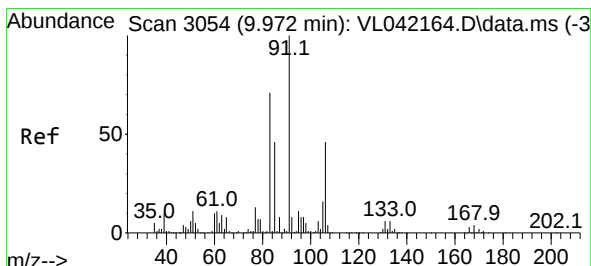
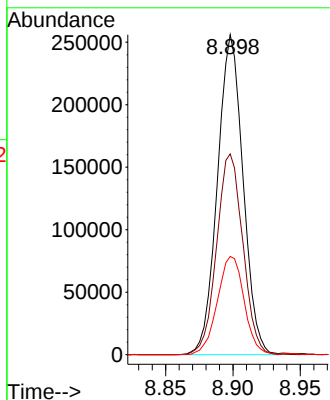
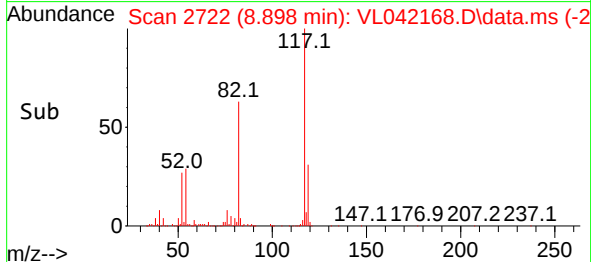
Tgt Ion:117 Resp: 338792
Ion Ratio Lower Upper
117 100
82 64.3 54.2 81.4
119 32.4 25.4 38.2

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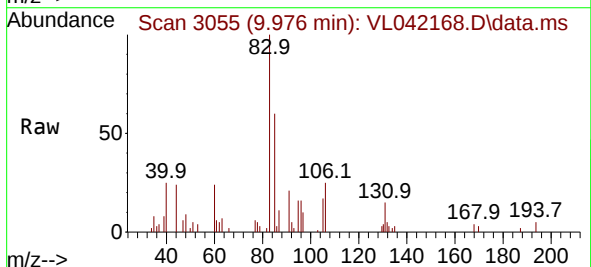
Reviewed By :Semsettin
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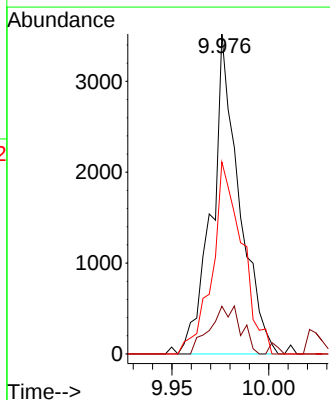
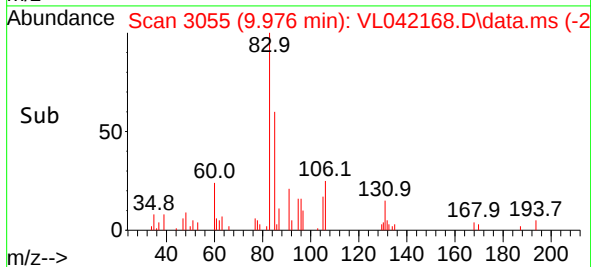
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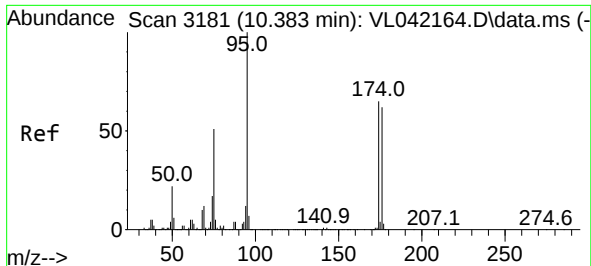


#63
1,1,2,2-Tetrachloroethane
Concen: 0.102 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.004 min
Lab File: VL042168.D
Acq: 25 Mar 2025 11:02



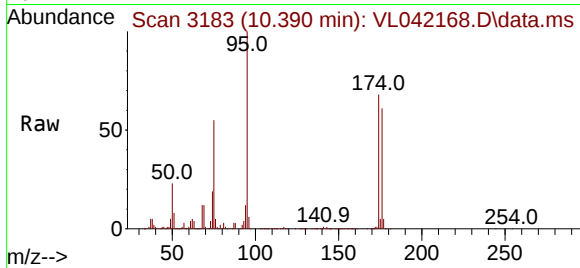
Tgt Ion: 83 Resp: 3461
Ion Ratio Lower Upper
83 100
131 18.1 4.5 13.5#
85 65.6 32.3 96.9





#68
1-Bromo-4-Fluorobenzene
Concen: 10.036 ppbv
RT: 10.390 min Scan# 3181
Delta R.T. 0.007 min
Lab File: VL042168.D
Acq: 25 Mar 2025 11:02

Instrument :
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VSTDIC0.1



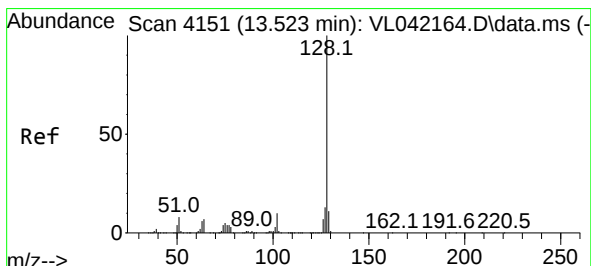
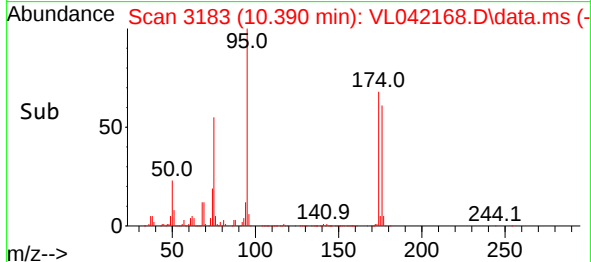
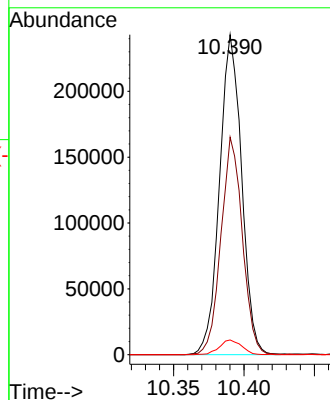
Tgt Ion: 95 Resp: 265710
Ion Ratio Lower Upper
95 100
174 66.1 53.5 80.3
175 4.6 3.8 5.8

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#79
Naphthalene
Concen: 0.036 ppbv m
RT: 13.523 min Scan# 4151
Delta R.T. 0.000 min
Lab File: VL042168.D
Acq: 25 Mar 2025 11:02

Tgt Ion:128 Resp: 1625
Ion Ratio Lower Upper
128 100
127 5.3 10.6 16.0#
129 16.7 8.7 13.1#

