

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043022.D
 Acq On : 30 Sep 2025 11:19
 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 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 23:57:35 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 30 23:54:02 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	146660	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	451106	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	395236	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	291242	9.727	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.300%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	1034	0.111	ppbv #	85
32) 1,1,1-Trichloroethane	3.370	97	3395	0.097	ppbv	95
35) Carbon Tetrachloride	3.768	117	3570m	0.098	ppbv	
38) Trichloroethene	4.548	130	2246m	0.097	ppbv	
52) Tetrachloroethene	8.228	164	1694m	0.094	ppbv	
54) 1,2-Dibromoethane	7.655	107	2363m	0.096	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	2906m	0.101	ppbv	
79) Naphthalene	13.517	128	2677m	0.054	ppbv	

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

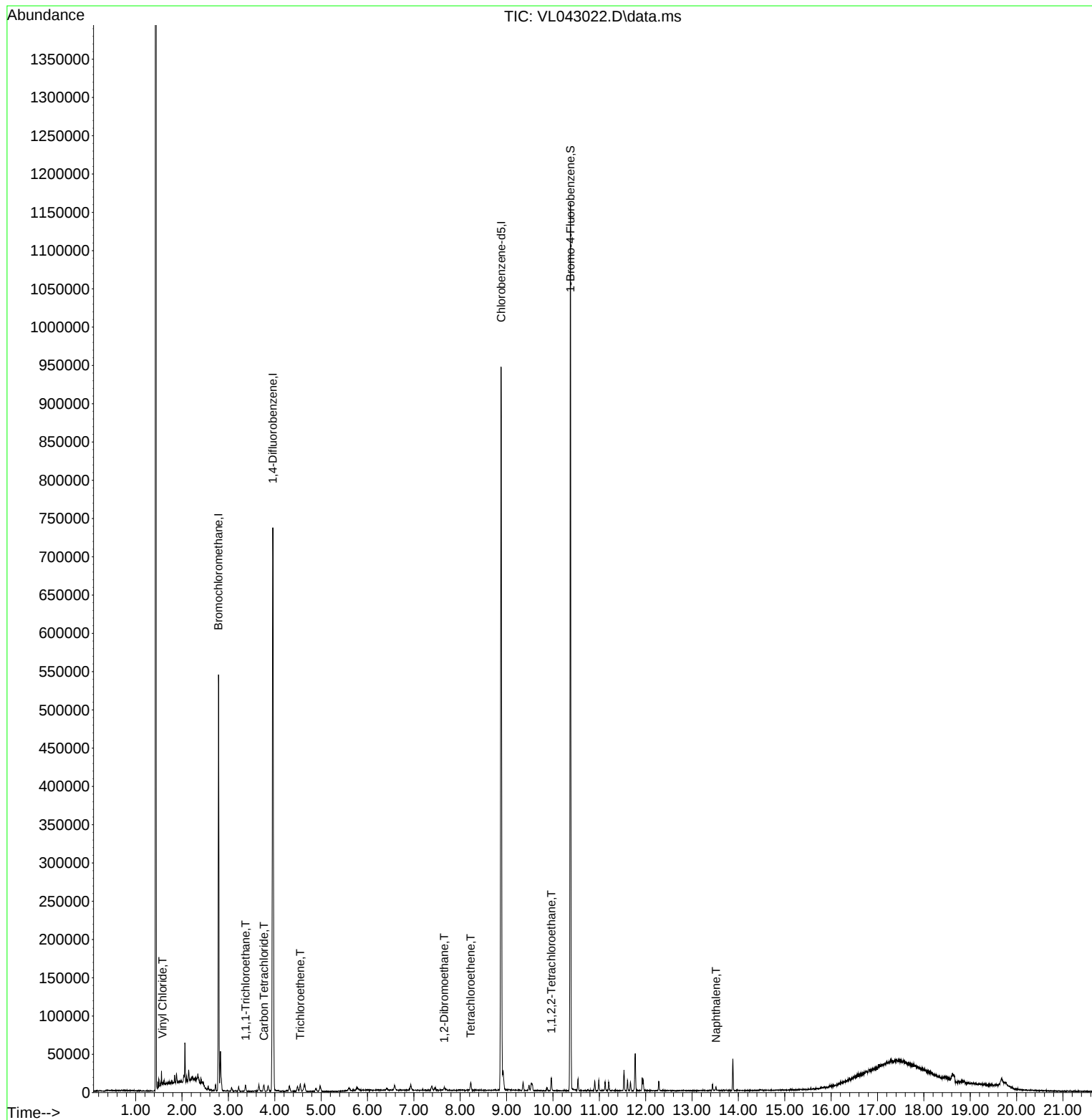
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
Data File : VL043022.D
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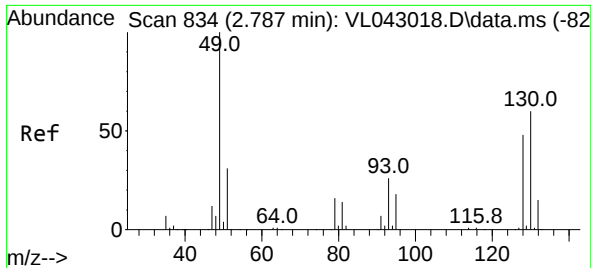
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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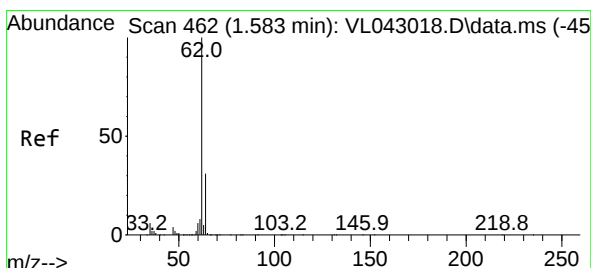
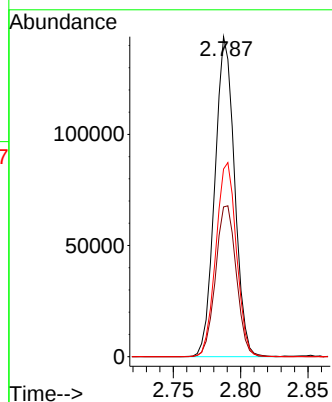
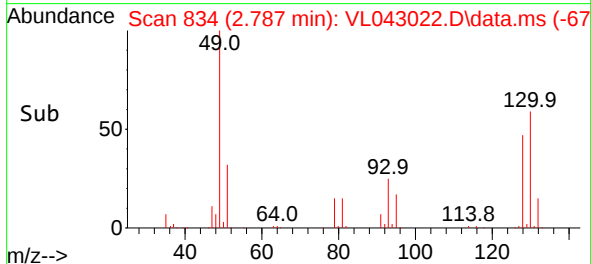
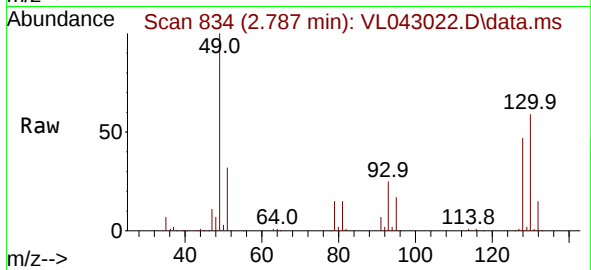
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL043022.D
Acq: 30 Sep 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 146660
Ion Ratio Lower Upper
49 100
128 49.5 25.2 75.6
130 63.0 31.6 94.7

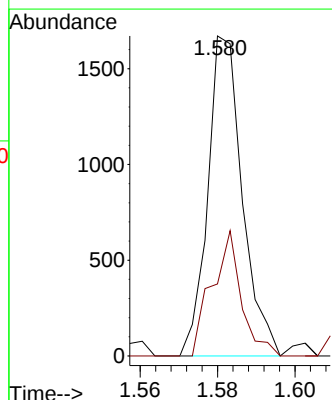
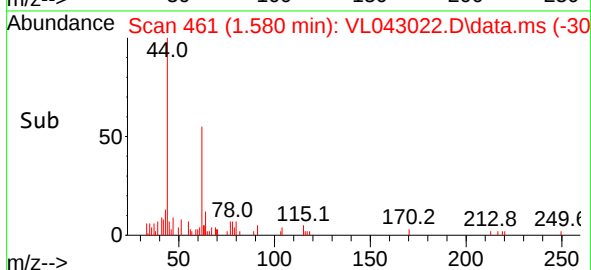
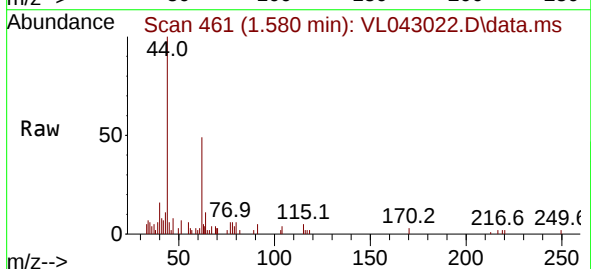
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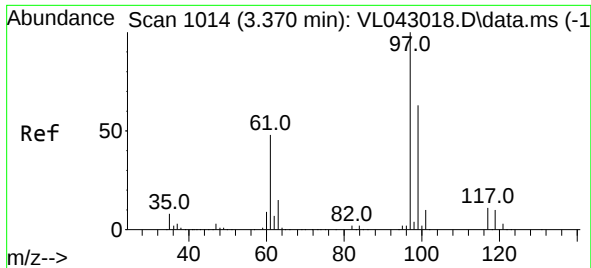
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#5
Vinyl Chloride
Concen: 0.111 ppbv
RT: 1.580 min Scan# 461
Delta R.T. -0.003 min
Lab File: VL043022.D
Acq: 30 Sep 2025 11:19

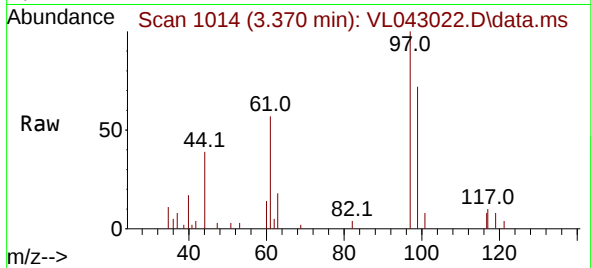
Tgt Ion: 62 Resp: 1034
Ion Ratio Lower Upper
62 100
64 22.5 24.6 37.0#





#32
1,1,1-Trichloroethane
Concen: 0.097 ppbv
RT: 3.370 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VL043022.D
Acq: 30 Sep 2025 11:19

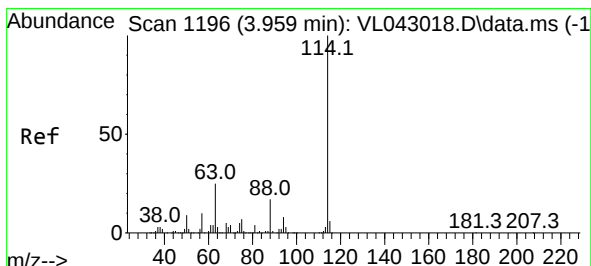
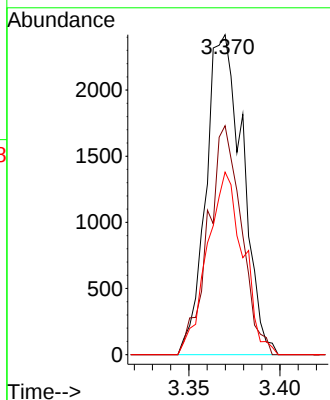
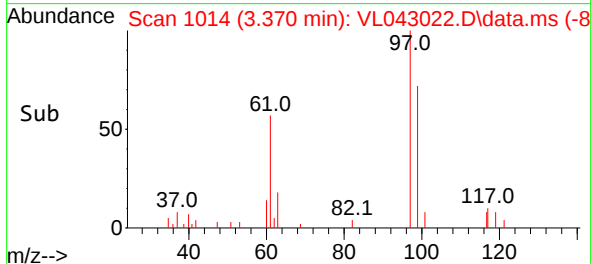
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 97 Resp: 339
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.0
61 55.7 38.8 58.2

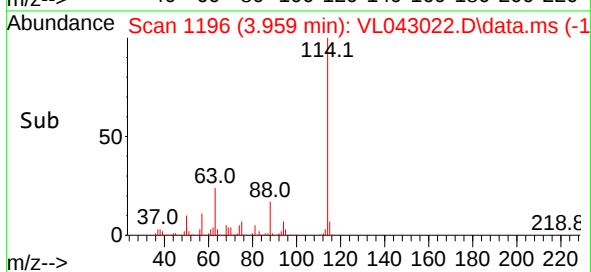
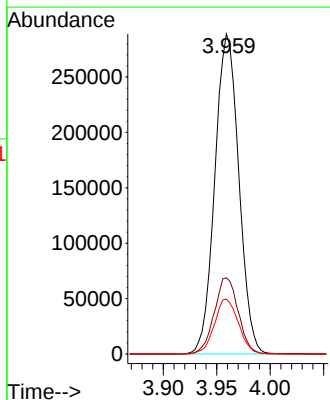
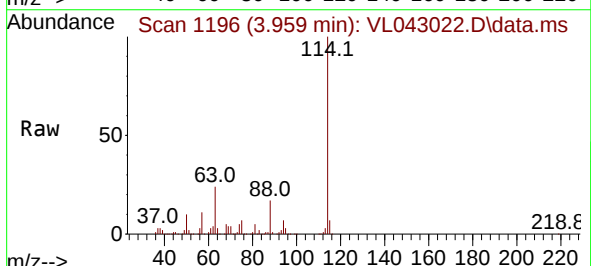
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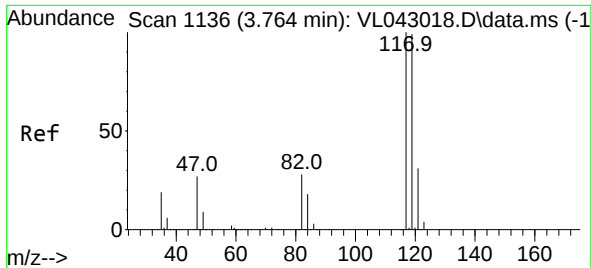
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.000 min
Lab File: VL043022.D
Acq: 30 Sep 2025 11:19

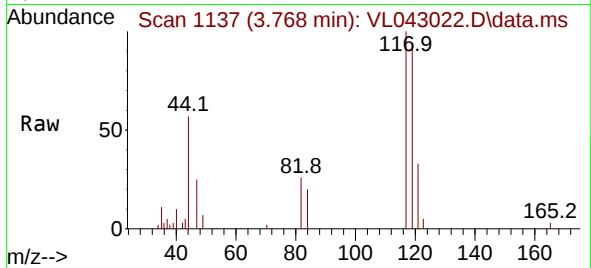
Tgt Ion:114 Resp: 451106
Ion Ratio Lower Upper
114 100
63 23.8 19.7 29.5
88 17.2 13.8 20.6





#35
Carbon Tetrachloride
Concen: 0.098 ppbv m
RT: 3.768 min Scan# 1136
Delta R.T. 0.003 min
Lab File: VL043022.D
Acq: 30 Sep 2025 11:19

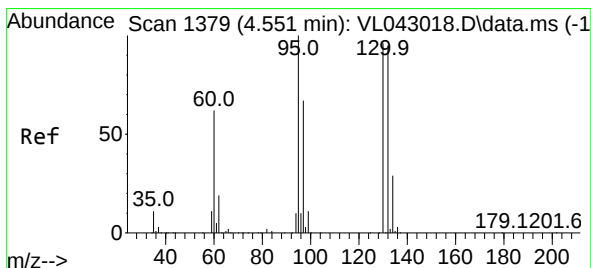
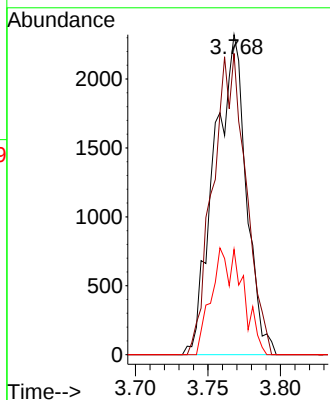
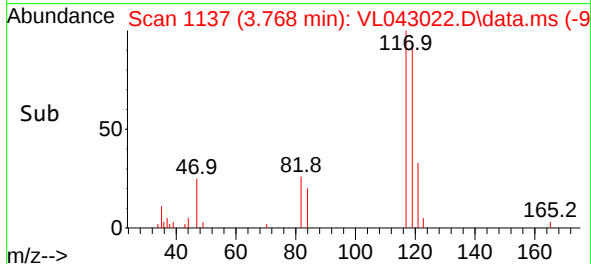
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 3570
Ion Ratio Lower Upper
117 100
119 94.1 79.1 118.7
121 32.9 24.5 36.7

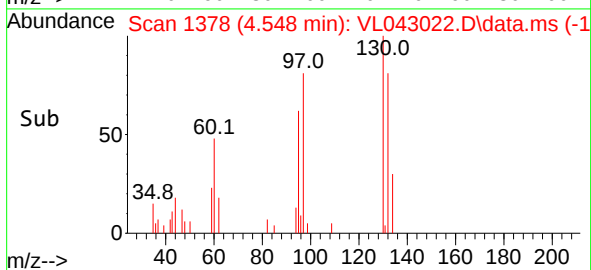
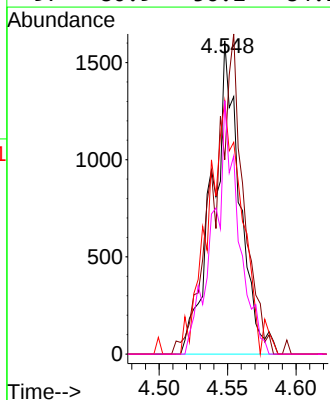
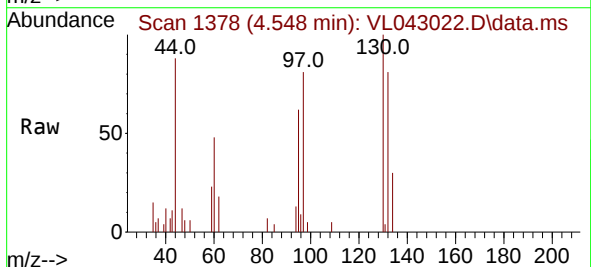
Manual Integrations
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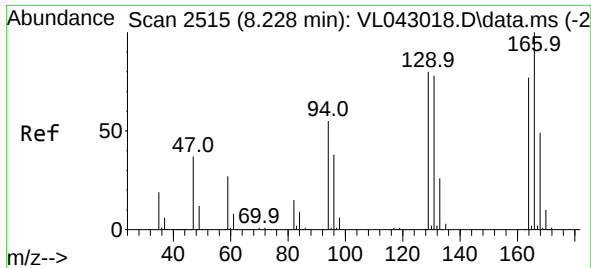
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#38
Trichloroethene
Concen: 0.097 ppbv m
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL043022.D
Acq: 30 Sep 2025 11:19

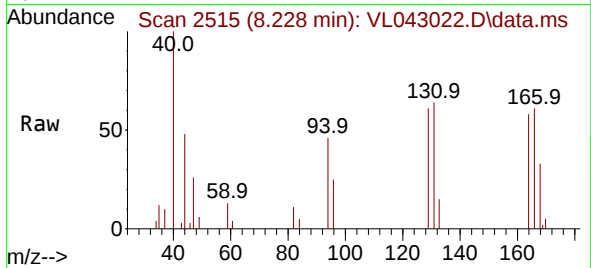
Tgt Ion:130 Resp: 2246
Ion Ratio Lower Upper
130 100
95 62.0 83.4 125.0#
132 80.9 79.0 118.4
97 80.9 56.2 84.2





#52
Tetrachloroethene
Concen: 0.094 ppbv m
RT: 8.228 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VL043022.D
Acq: 30 Sep 2025 11:19

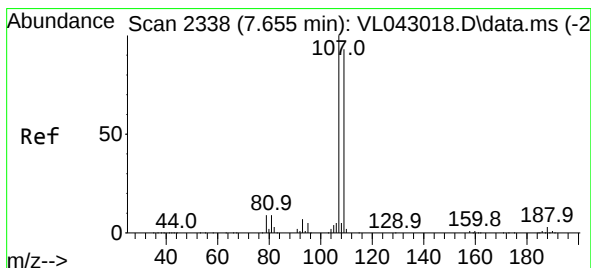
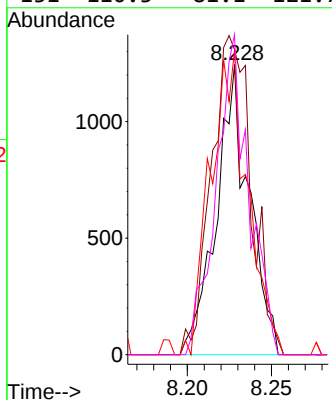
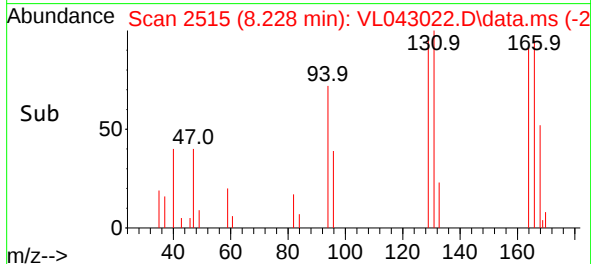
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



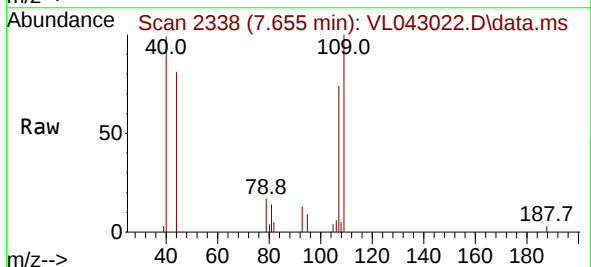
Tgt Ion:164 Resp: 1694
Ion Ratio Lower Upper
164 100
166 105.1 103.5 155.3
129 104.9 82.6 124.0
131 110.3 81.1 121.7

Manual Integrations
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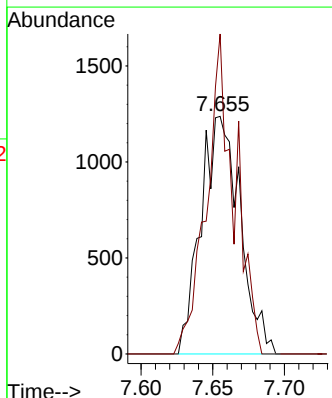
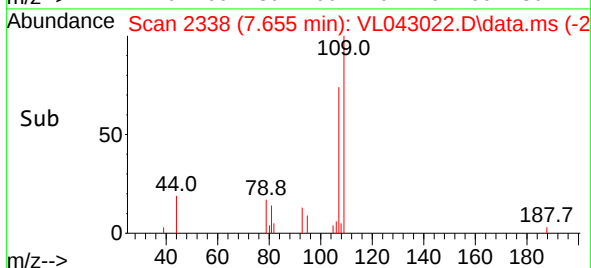
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

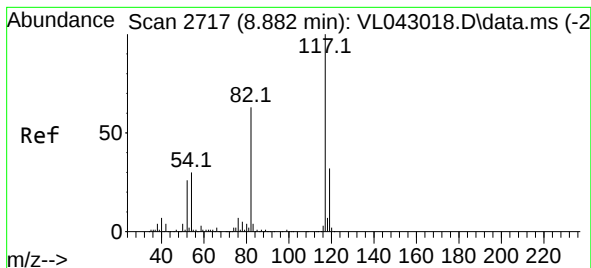


#54
1,2-Dibromoethane
Concen: 0.096 ppbv m
RT: 7.655 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VL043022.D
Acq: 30 Sep 2025 11:19



Tgt Ion:107 Resp: 2363
Ion Ratio Lower Upper
107 100
109 134.7 74.6 111.8#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. 0.000 min

Lab File: VL043022.D

Acq: 30 Sep 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

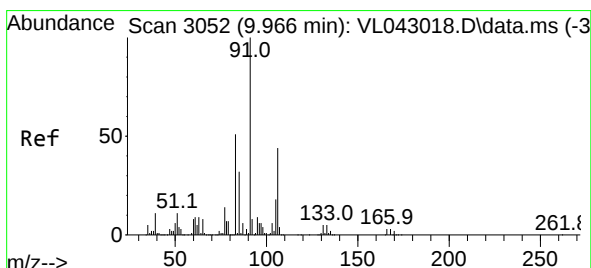
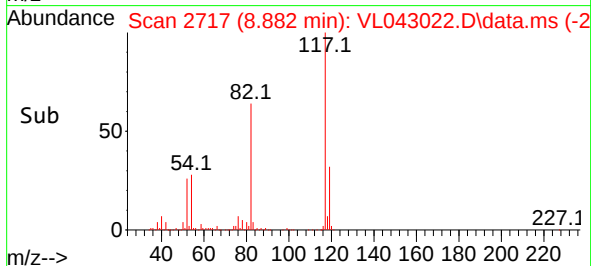
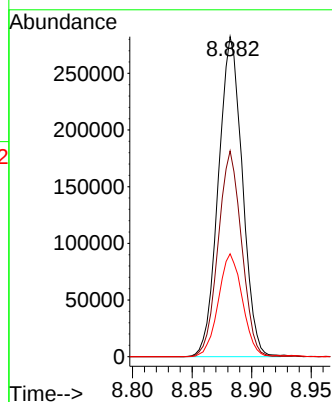
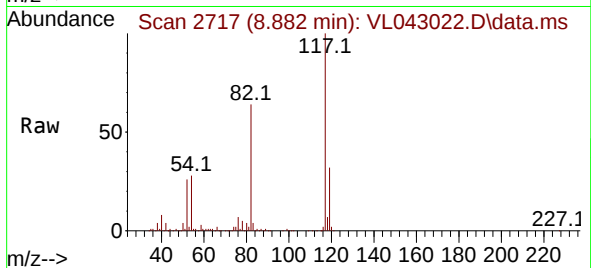
VSTDIC0.1

Tgt Ion:	117	Resp:	395230
Ion	Ratio	Lower	Upper
117	100		
82	62.9	52.6	78.8
119	32.5	26.4	39.6

Manual Integrations

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Supervised By :Mahesh Dadoda 10/03/2025



#63

1,1,2,2-Tetrachloroethane

Concen: 0.101 ppbv m

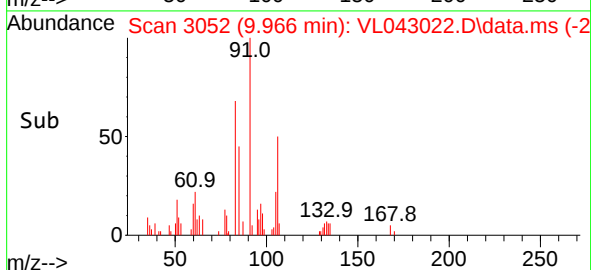
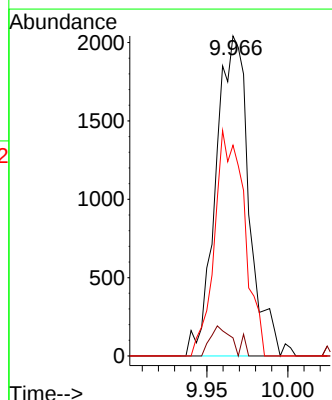
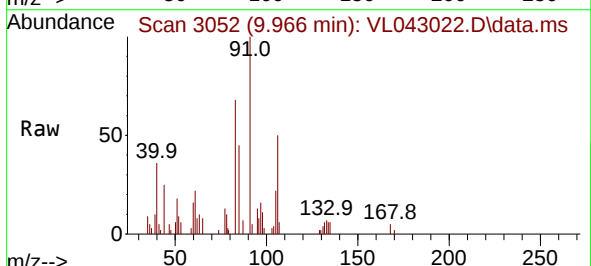
RT: 9.966 min Scan# 3052

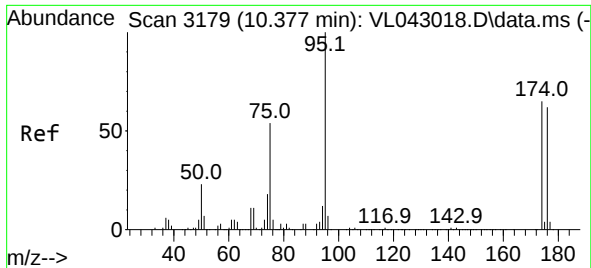
Delta R.T. 0.000 min

Lab File: VL043022.D

Acq: 30 Sep 2025 11:19

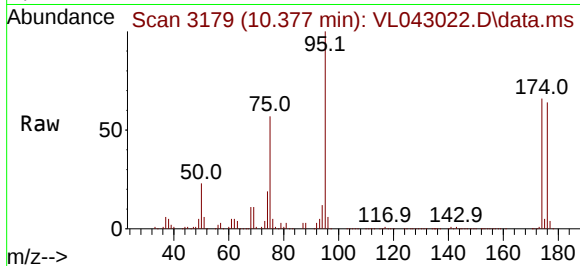
Tgt Ion:	83	Resp:	2906
Ion	Ratio	Lower	Upper
83	100		
131	6.4	5.0	14.9
85	63.5	32.2	96.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.727 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL043022.D
Acq: 30 Sep 2025 11:19

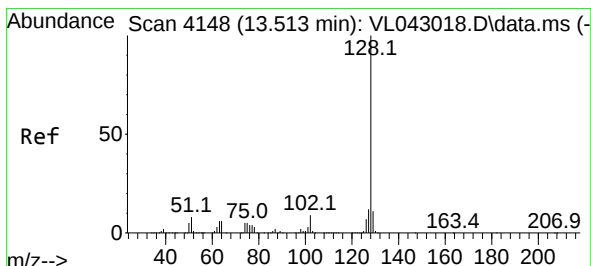
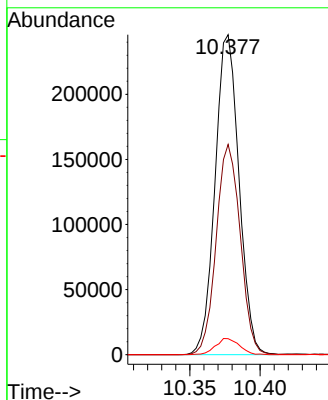
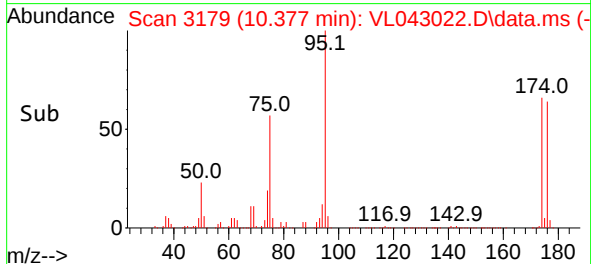
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



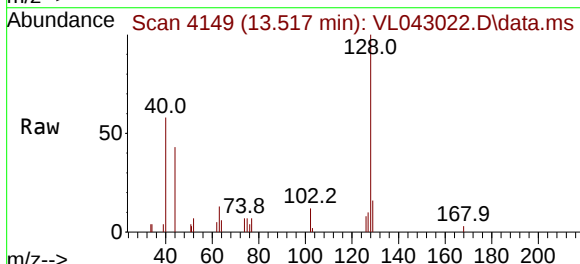
Tgt Ion: 95 Resp: 29124
Ion Ratio Lower Upper
95 100
174 66.1 53.4 80.2
175 5.1 3.8 5.8

Manual Integrations
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Supervised By :Mahesh Dadoda 10/03/2025



#79
Naphthalene
Concen: 0.054 ppbv m
RT: 13.517 min Scan# 4149
Delta R.T. 0.004 min
Lab File: VL043022.D
Acq: 30 Sep 2025 11:19



Tgt Ion:128 Resp: 2677
Ion Ratio Lower Upper
128 100
127 10.2 9.9 14.9
129 15.9 8.6 13.0#

