

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043023.D
 Acq On : 30 Sep 2025 11:53
 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 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 23:58:15 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	142955	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	436249	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	383741	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	281670	9.689	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.900%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	363	0.040	ppbv	100
32) 1,1,1-Trichloroethane	3.369	97	1171	0.034	ppbv	99
35) Carbon Tetrachloride	3.758	117	1365m	0.039	ppbv	
38) Trichloroethene	4.538	130	690m	0.031	ppbv	
52) Tetrachloroethene	8.231	164	698m	0.040	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	843m	0.030	ppbv	

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

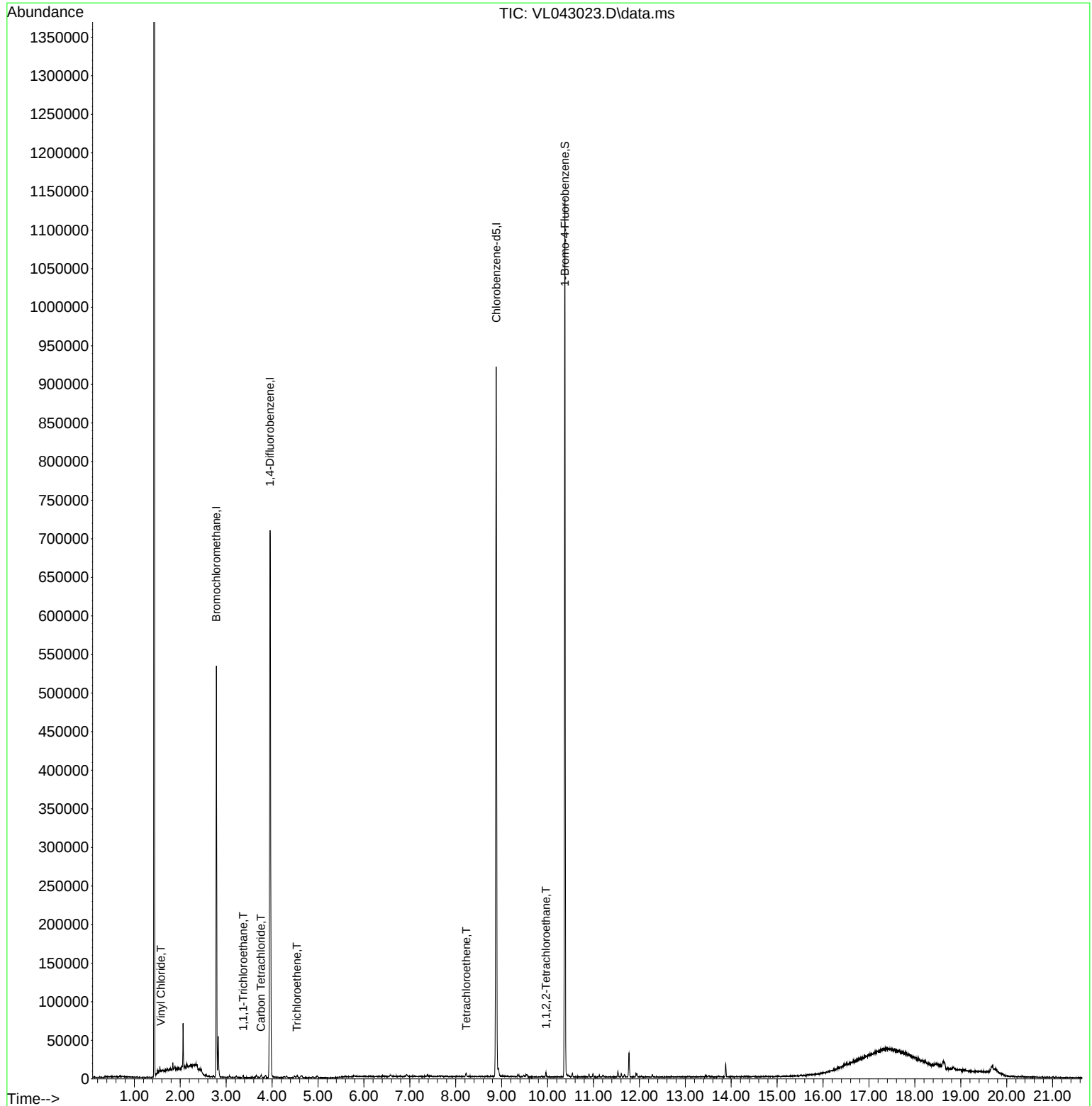
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
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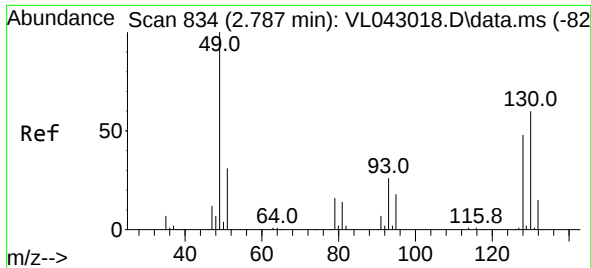
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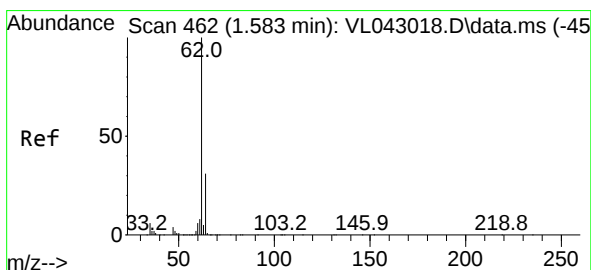
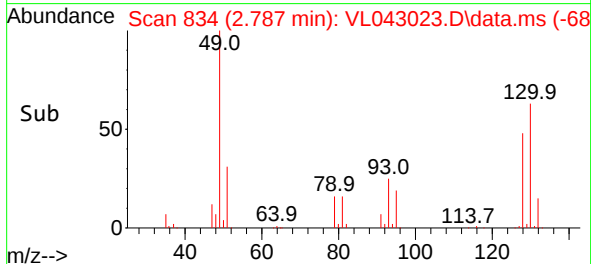
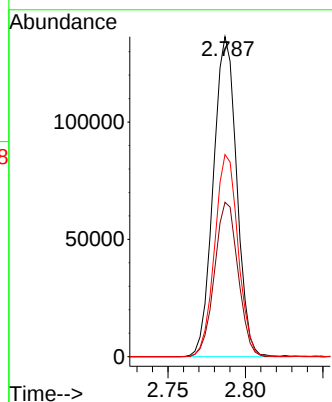
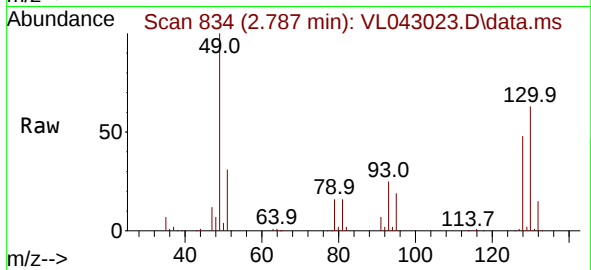
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. -0.000 min
Lab File: VL043023.D
Acq: 30 Sep 2025 11:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 14295
Ion Ratio Lower Upper
49 100
128 48.7 25.2 75.6
130 63.3 31.6 94.7

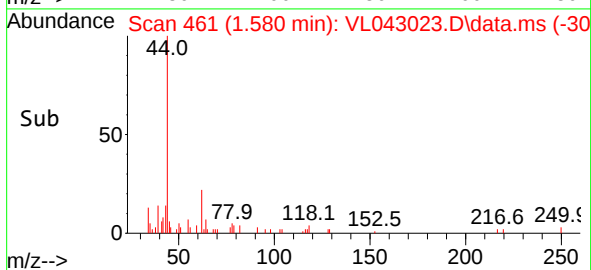
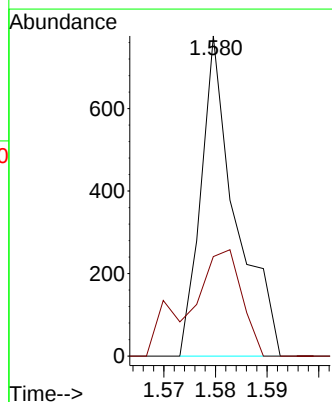
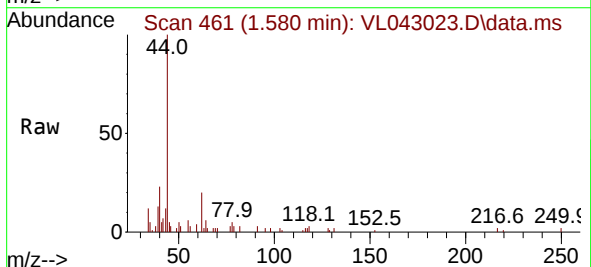
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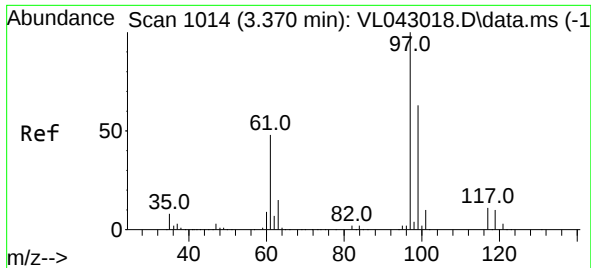
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#5
Vinyl Chloride
Concen: 0.040 ppbv
RT: 1.580 min Scan# 461
Delta R.T. -0.003 min
Lab File: VL043023.D
Acq: 30 Sep 2025 11:53

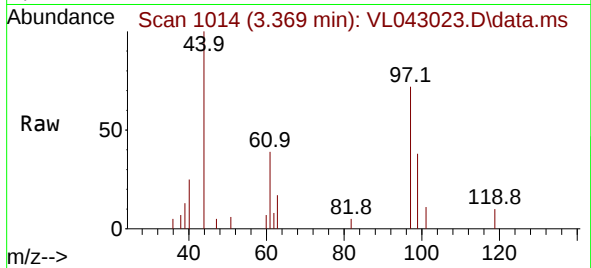
Tgt Ion: 62 Resp: 363
Ion Ratio Lower Upper
62 100
64 31.1 24.6 37.0





#32
1,1,1-Trichloroethane
Concen: 0.034 ppbv
RT: 3.369 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VL043023.D
Acq: 30 Sep 2025 11:53

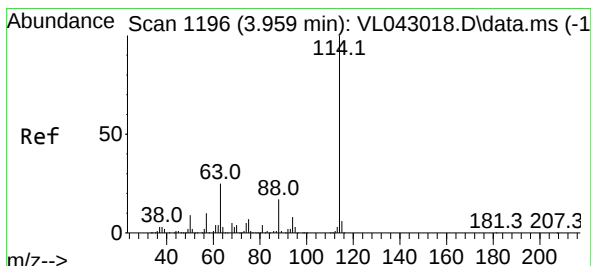
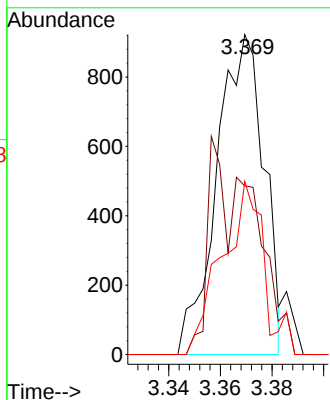
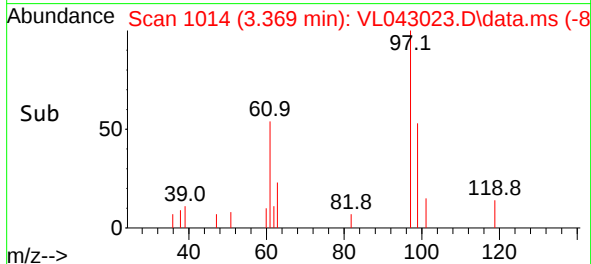
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



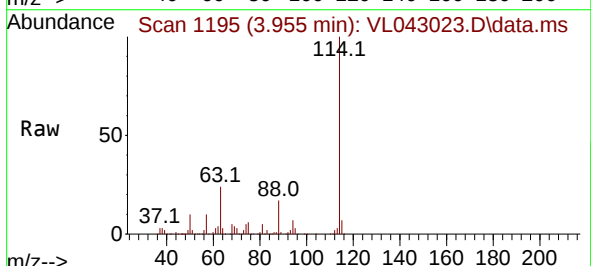
Tgt Ion: 97 Resp: 117.0
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 47.7 38.8 58.2

Manual Integrations
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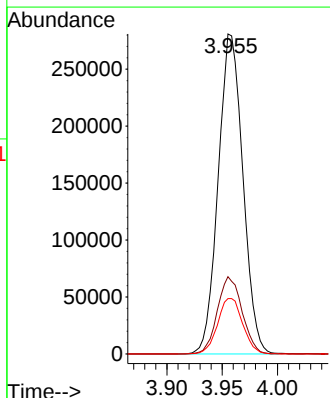
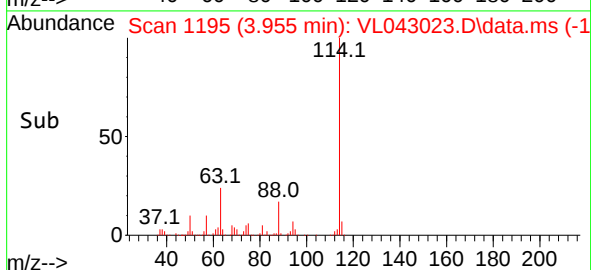
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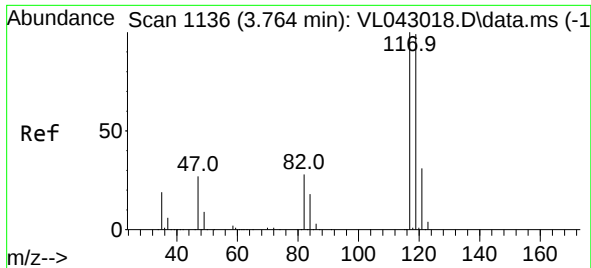


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.003 min
Lab File: VL043023.D
Acq: 30 Sep 2025 11:53



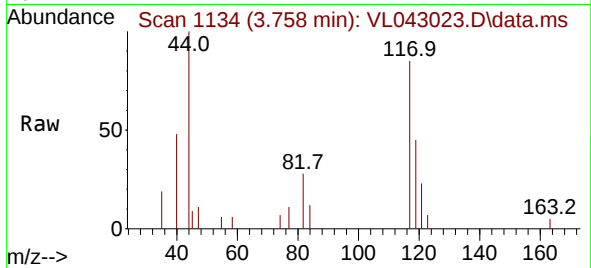
Tgt Ion:114 Resp: 436249
Ion Ratio Lower Upper
114 100
63 24.2 19.7 29.5
88 17.6 13.8 20.6





#35
Carbon Tetrachloride
Concen: 0.039 ppbv m
RT: 3.758 min Scan# 1136
Delta R.T. -0.007 min
Lab File: VL043023.D
Acq: 30 Sep 2025 11:53

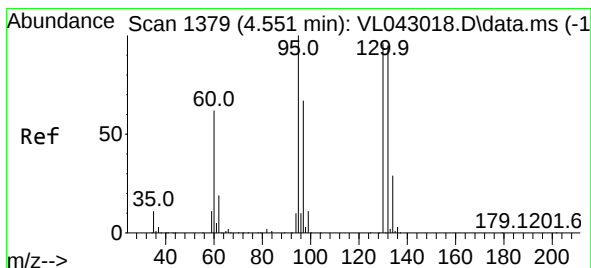
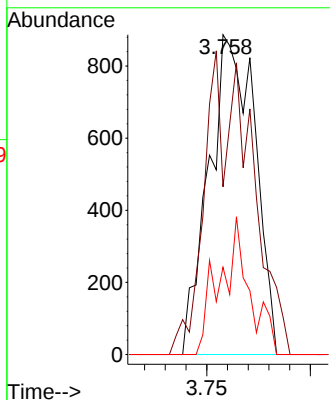
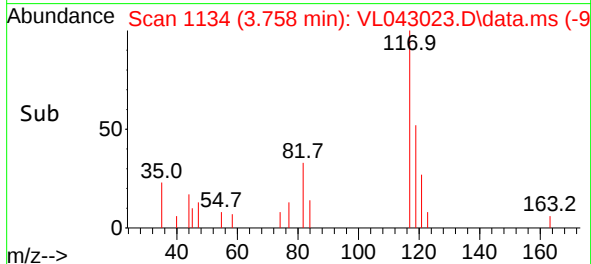
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion:117 Resp: 136
Ion Ratio Lower Upper
117 100
119 52.4 79.1 118.7
121 27.3 24.5 36.7

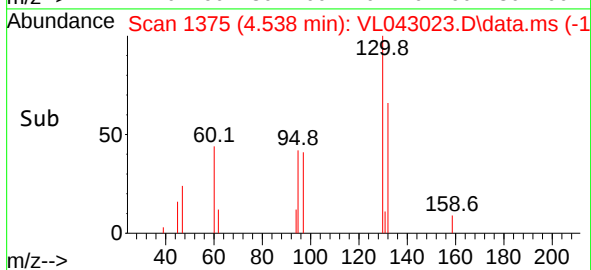
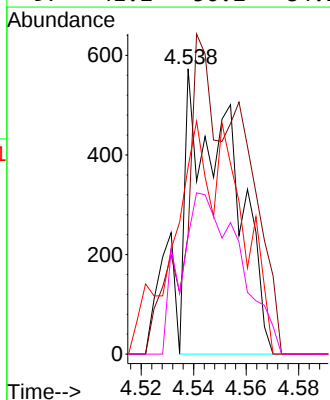
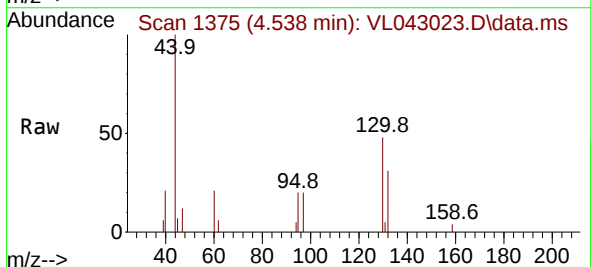
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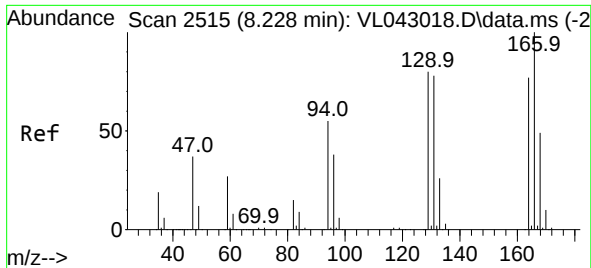
Reviewed By :Semsettin Yesilyurt 10/01/2025
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#38
Trichloroethene
Concen: 0.031 ppbv m
RT: 4.538 min Scan# 1375
Delta R.T. -0.013 min
Lab File: VL043023.D
Acq: 30 Sep 2025 11:53

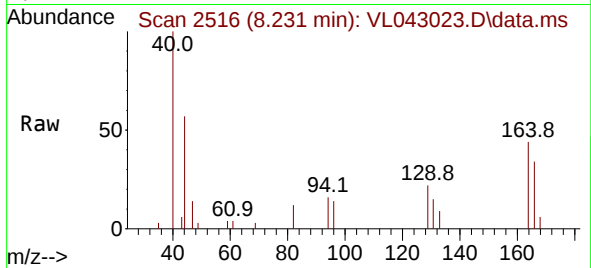
Tgt Ion:130 Resp: 690
Ion Ratio Lower Upper
130 100
95 41.9 83.4 125.0#
132 65.6 79.0 118.4#
97 41.2 56.2 84.2#





#52
Tetrachloroethene
Concen: 0.040 ppbv m
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043023.D
Acq: 30 Sep 2025 11:53

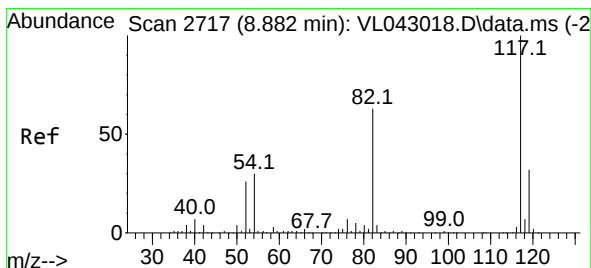
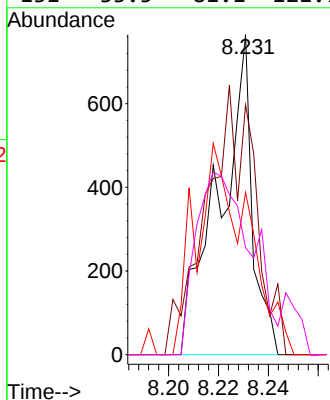
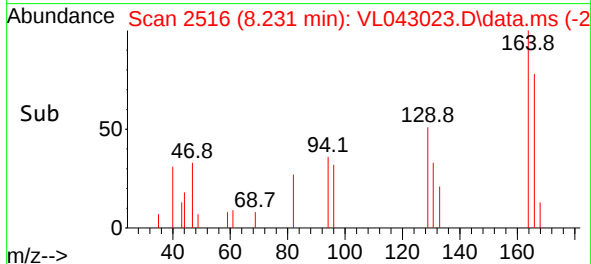
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion:164 Resp: 698
Ion Ratio Lower Upper
164 100
166 78.0 103.5 155.3
129 50.7 82.6 124.0
131 33.5 81.1 121.7

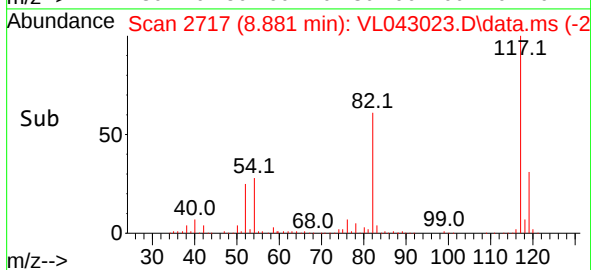
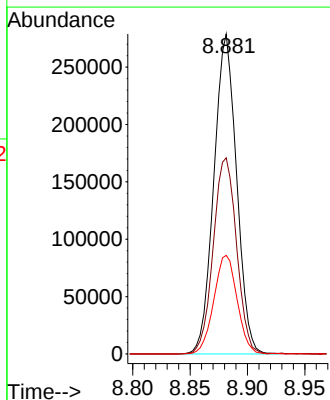
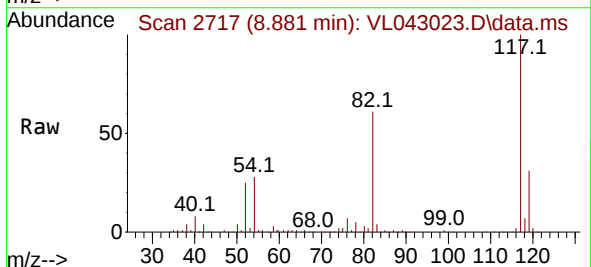
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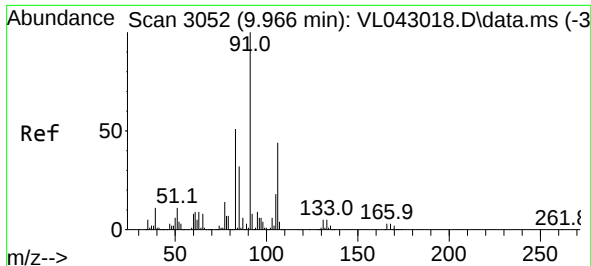
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2717
Delta R.T. -0.000 min
Lab File: VL043023.D
Acq: 30 Sep 2025 11:53

Tgt Ion:117 Resp: 383741
Ion Ratio Lower Upper
117 100
82 63.1 52.6 78.8
119 31.8 26.4 39.6





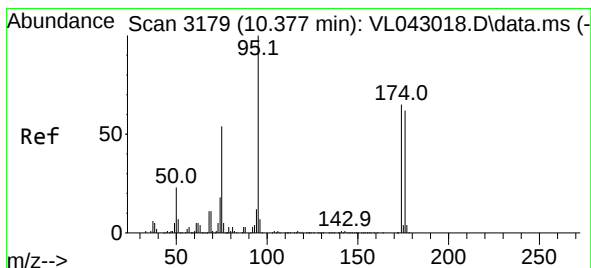
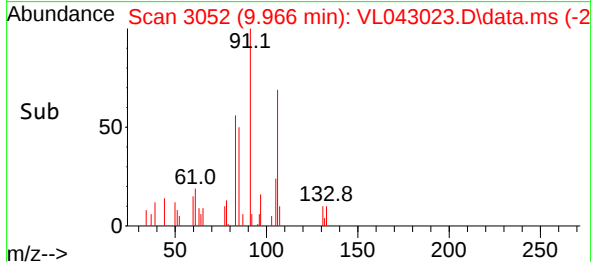
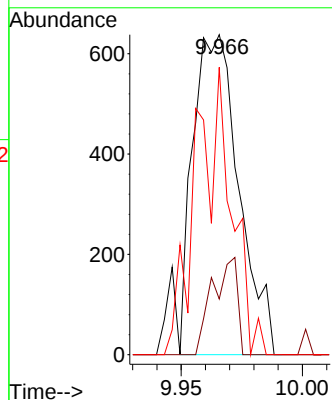
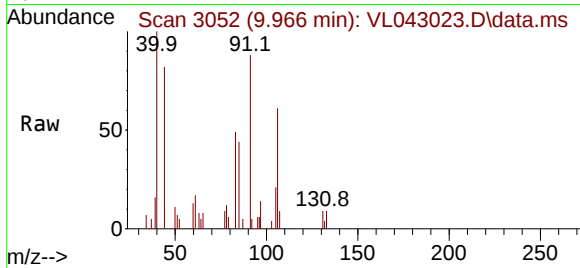
#63
1,1,2,2-Tetrachloroethane
Concen: 0.030 ppbv m
RT: 9.966 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VL043023.D
Acq: 30 Sep 2025 11:53

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.03

Tgt Ion: 83 Resp: 84
Ion Ratio Lower Upper
83 100
131 16.4 5.0 14.9
85 70.1 32.2 96.6

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.689 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL043023.D
Acq: 30 Sep 2025 11:53

Tgt Ion: 95 Resp: 281670
Ion Ratio Lower Upper
95 100
174 66.6 53.4 80.2
175 4.7 3.8 5.8

