

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
 Data File : VL042463.D
 Acq On : 01 May 2025 11:44
 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 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:43:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri May 02 01:37:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	64235	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	176202	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	151404	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	138202	9.845	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
						Qvalue
5) Vinyl Chloride	1.583	62	295	0.066	ppbv	91
32) 1,1,1-Trichloroethane	3.373	97	1114	0.067	ppbv	90
35) Carbon Tetrachloride	3.768	117	1205m	0.079	ppbv	
38) Trichloroethene	4.535	130	483m	0.076	ppbv	
52) Tetrachloroethene	8.231	164	332m	0.052	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.962	83	917m	0.067	ppbv	

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

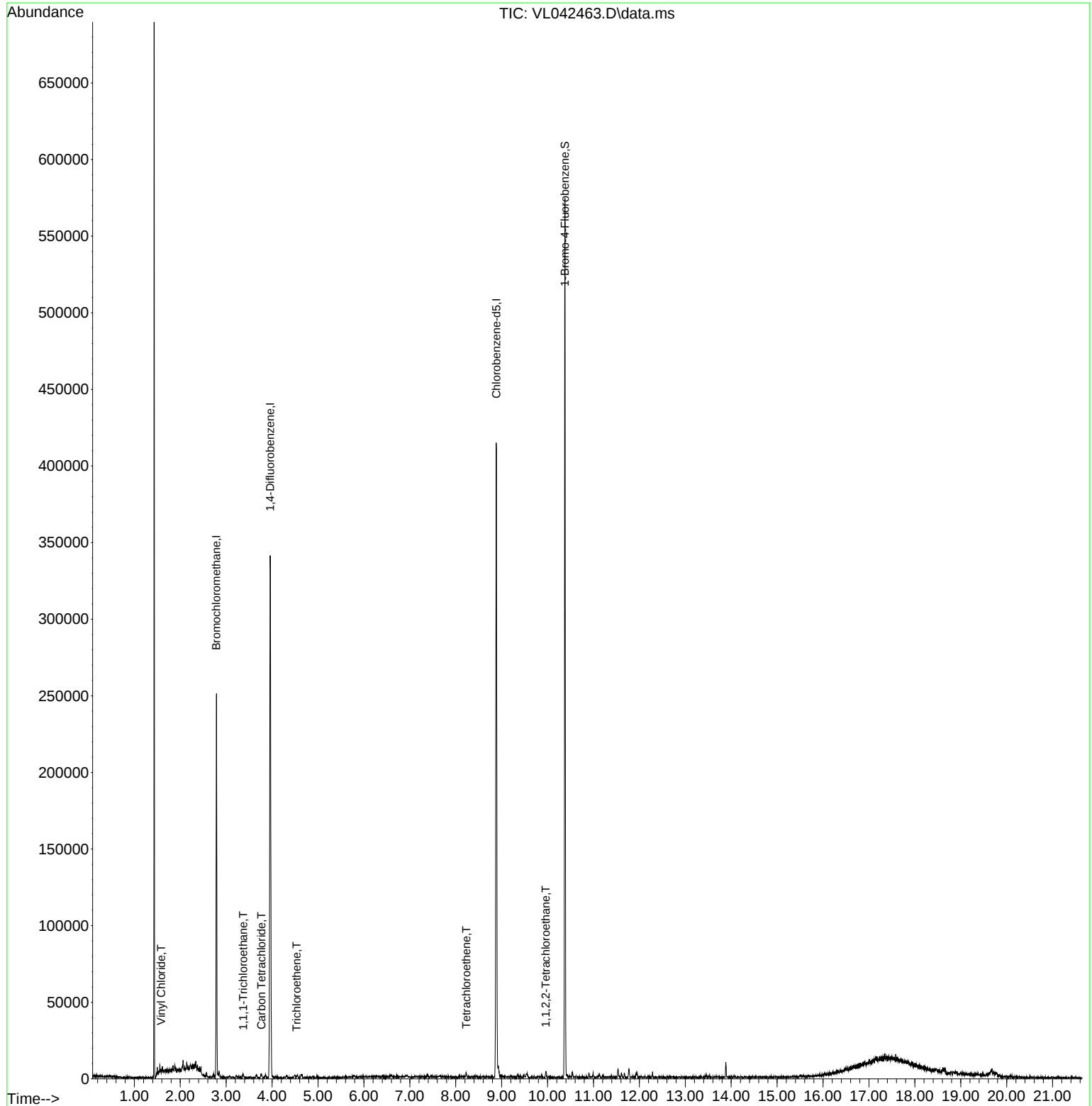
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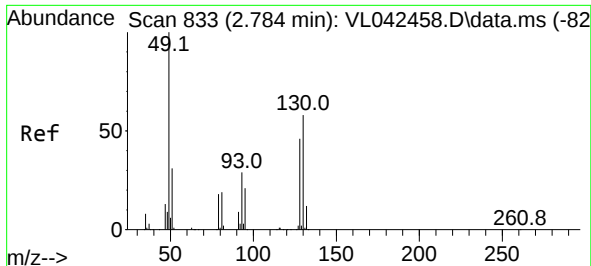
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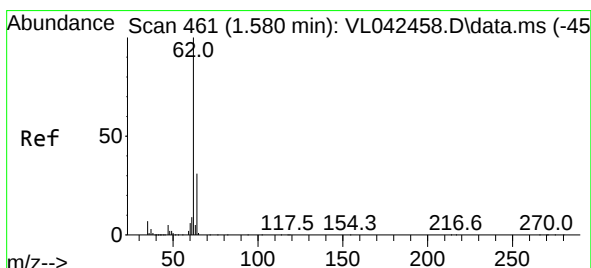
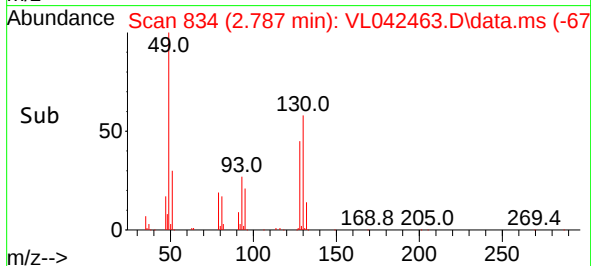
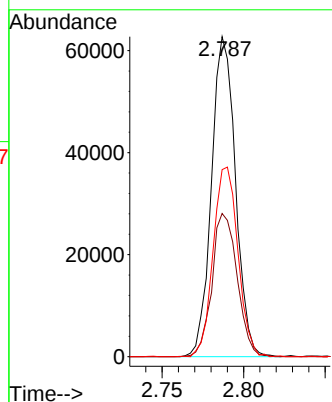
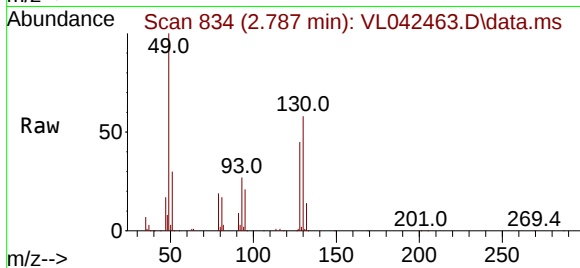
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042463.D
Acq: 01 May 2025 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 6423
Ion Ratio Lower Upper
49 100
128 46.9 23.3 69.9
130 61.2 29.5 88.6

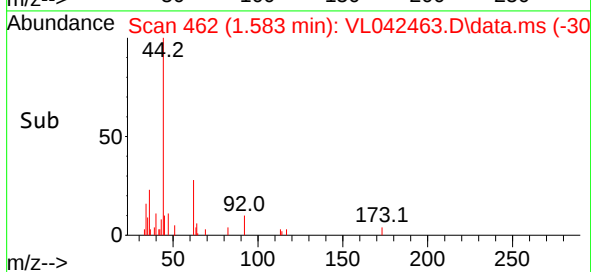
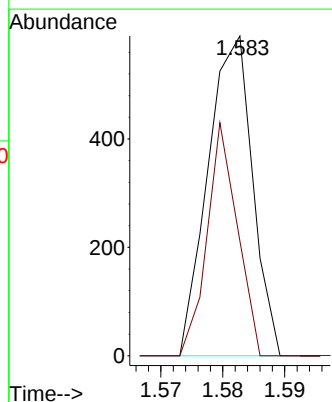
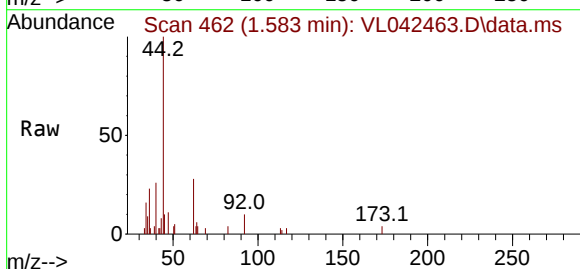
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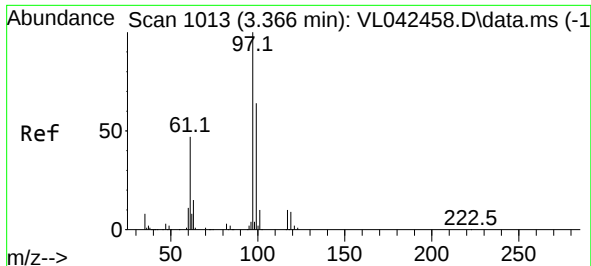
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#5
Vinyl Chloride
Concen: 0.066 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL042463.D
Acq: 01 May 2025 11:44

Tgt Ion: 62 Resp: 295
Ion Ratio Lower Upper
62 100
64 35.9 24.9 37.3





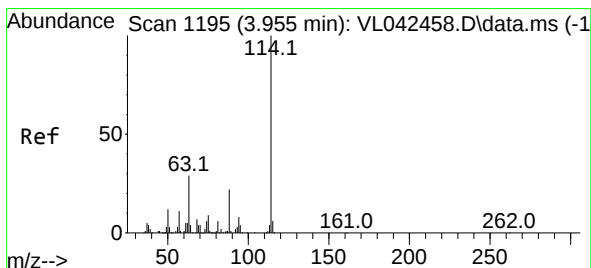
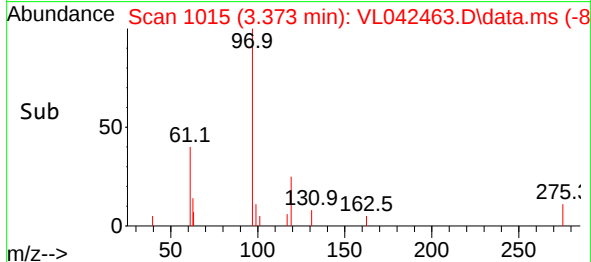
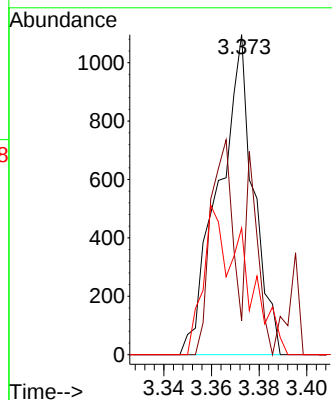
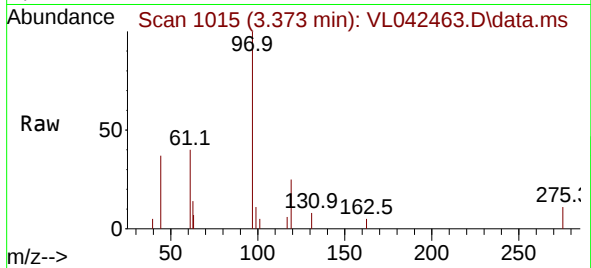
#32
1,1,1-Trichloroethane
Concen: 0.067 ppbv
RT: 3.373 min Scan# 1114
Delta R.T. 0.006 min
Lab File: VL042463.D
Acq: 01 May 2025 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 97 Resp: 1114
Ion Ratio Lower Upper
97 100
99 74.9 50.7 76.1
61 54.6 40.9 61.3

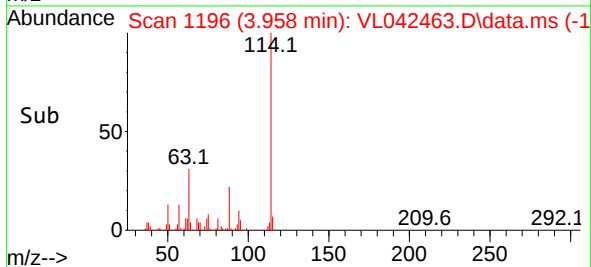
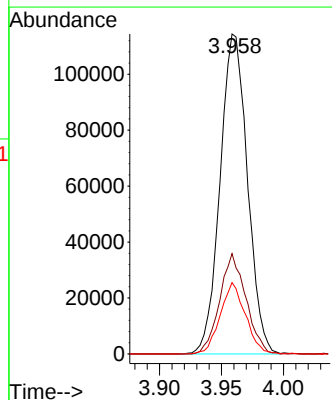
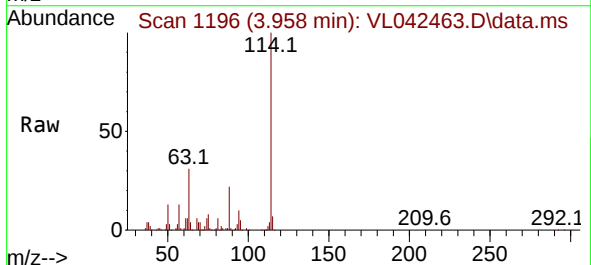
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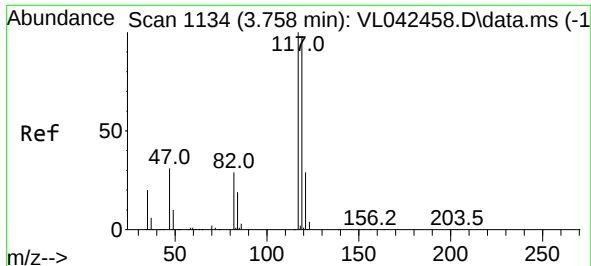
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.958 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042463.D
Acq: 01 May 2025 11:44

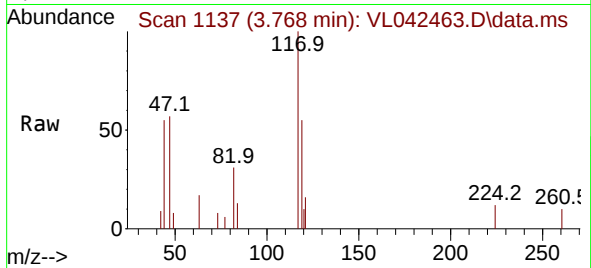
Tgt Ion:114 Resp: 176202
Ion Ratio Lower Upper
114 100
63 30.1 23.1 34.7
88 20.6 16.1 24.1





#35
Carbon Tetrachloride
Concen: 0.079 ppbv m
RT: 3.768 min Scan# 1134
Delta R.T. 0.010 min
Lab File: VL042463.D
Acq: 01 May 2025 11:44

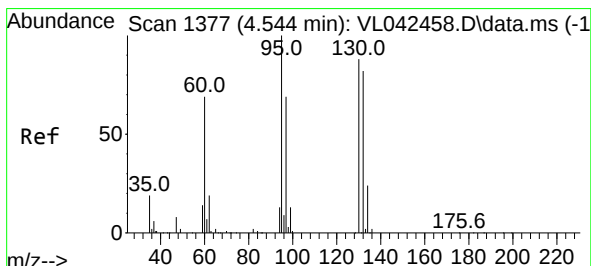
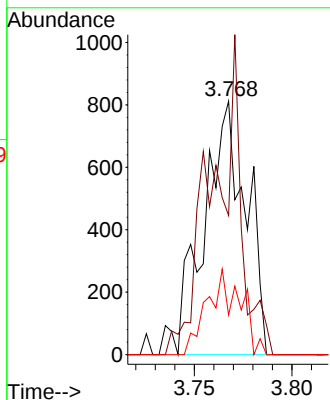
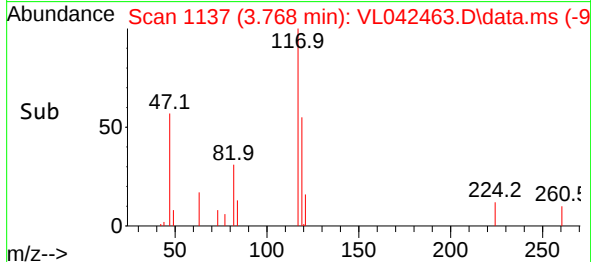
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion:117 Resp: 120
Ion Ratio Lower Upper
117 100
119 54.9 78.1 117.1#
121 15.6 23.0 34.6#

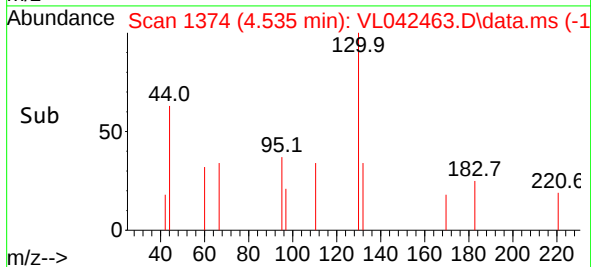
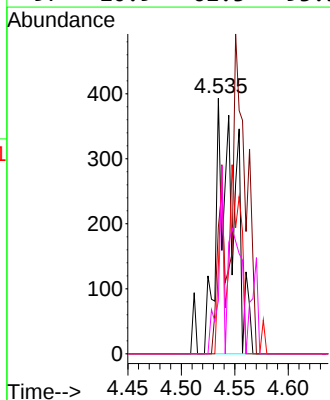
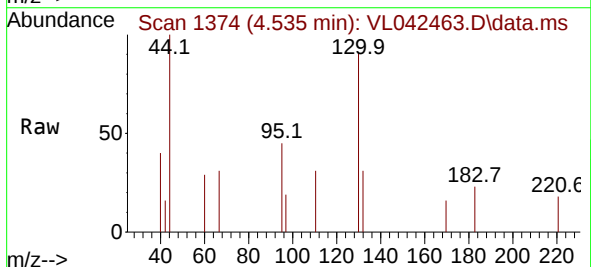
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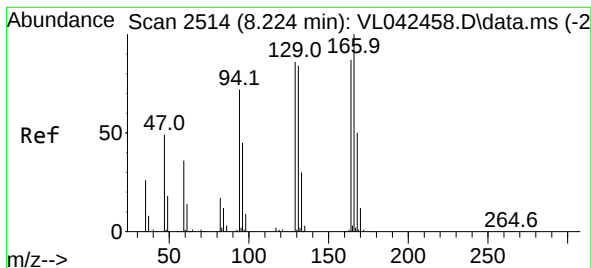
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#38
Trichloroethene
Concen: 0.076 ppbv m
RT: 4.535 min Scan# 1374
Delta R.T. -0.010 min
Lab File: VL042463.D
Acq: 01 May 2025 11:44

Tgt Ion:130 Resp: 483
Ion Ratio Lower Upper
130 100
95 49.6 91.0 136.4#
132 34.4 74.2 111.4#
97 20.9 62.3 93.5#





#52

Tetrachloroethene

Concen: 0.052 ppbv m

RT: 8.231 min Scan# 2514

Delta R.T. 0.006 min

Lab File: VL042463.D

Acq: 01 May 2025 11:44

Instrument :

MSVOA_L

ClientSampleId :

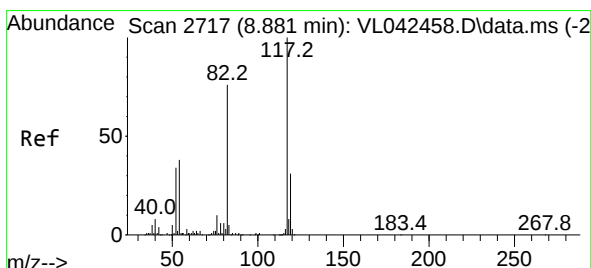
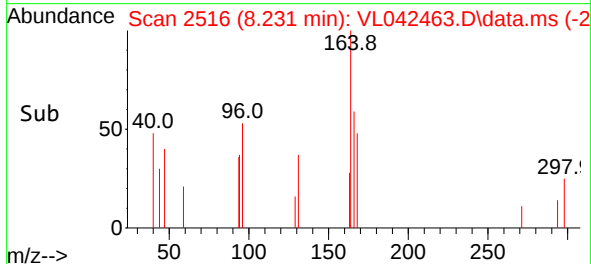
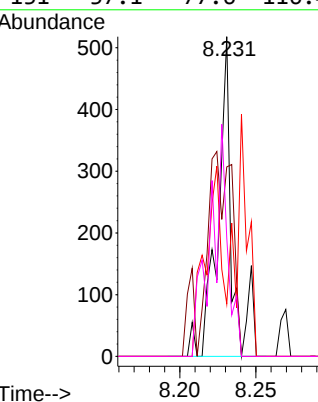
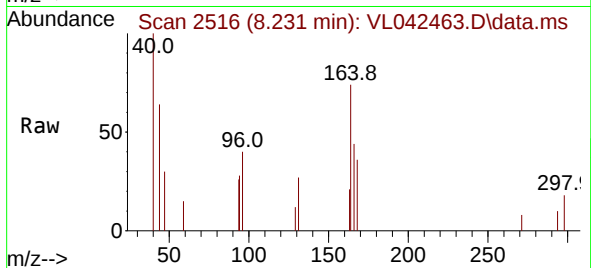
VSTDICC0.03

Tgt Ion:164	Resp:	332
Ion Ratio	Lower	Upper
164	100	
166	59.3	91.6 137.4
129	16.4	79.0 118.4
131	37.1	77.6 116.4

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

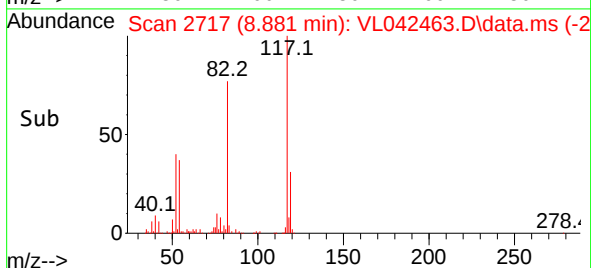
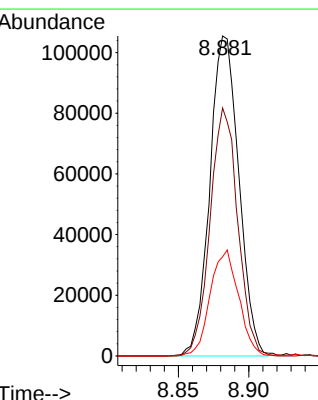
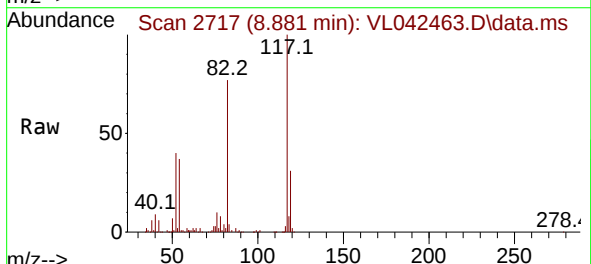
RT: 8.881 min Scan# 2717

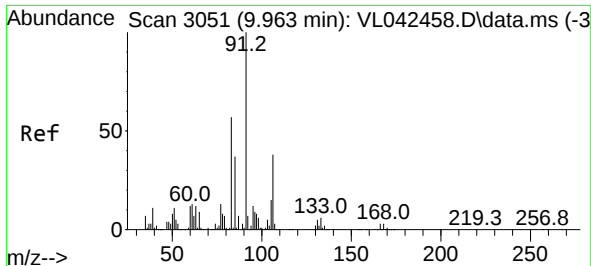
Delta R.T. -0.000 min

Lab File: VL042463.D

Acq: 01 May 2025 11:44

Tgt Ion:117	Resp:	151404
Ion Ratio	Lower	Upper
117	100	
82	73.8	63.5 95.3
119	32.5	25.8 38.8





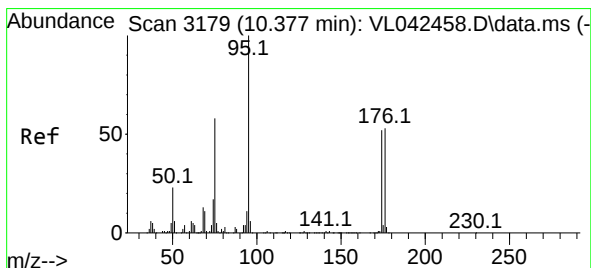
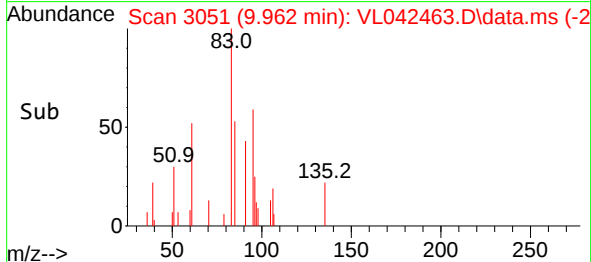
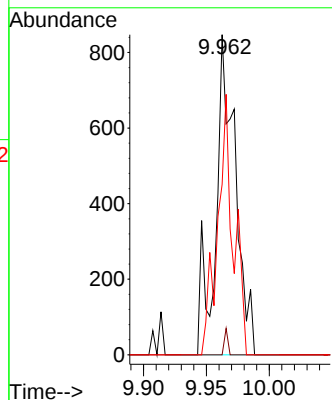
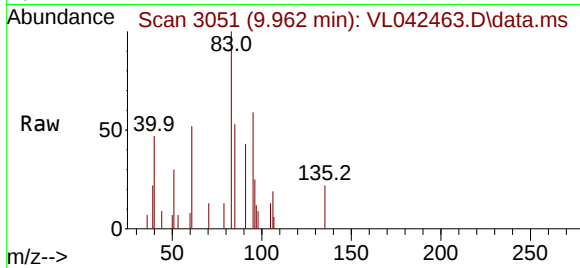
#63
1,1,2,2-Tetrachloroethane
Concen: 0.067 ppbv m
RT: 9.962 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042463.D
Acq: 01 May 2025 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 91
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1
85 65.8 32.5 97.4

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.845 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL042463.D
Acq: 01 May 2025 11:44

Tgt Ion: 95 Resp: 138202
Ion Ratio Lower Upper
95 100
174 54.5 42.7 64.1
175 4.0 3.6 5.4

