

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042354.D
 Acq On : 17 Apr 2025 12:22
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 02:07:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Apr 18 01:24:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	120042	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	349264	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	312999	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	256230	9.962	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	361	0.040	ppbv	# 76
32) 1,1,1-Trichloroethane	3.373	97	1120m	0.038	ppbv	
35) Carbon Tetrachloride	3.768	117	1382m	0.044	ppbv	
38) Trichloroethene	4.538	130	674m	0.041	ppbv	
52) Tetrachloroethene	8.228	164	569m	0.039	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.972	83	1321m	0.040	ppbv	

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

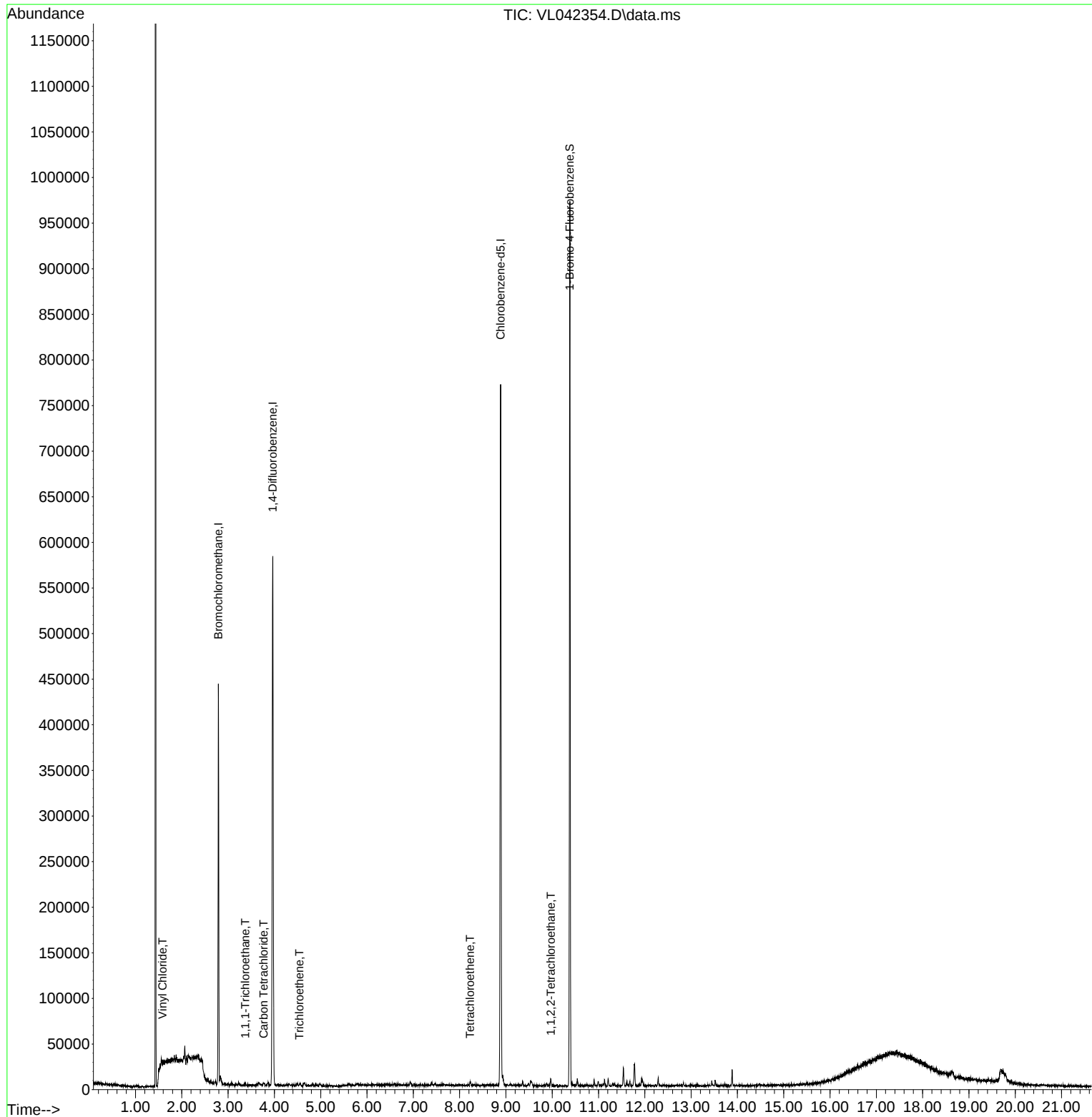
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
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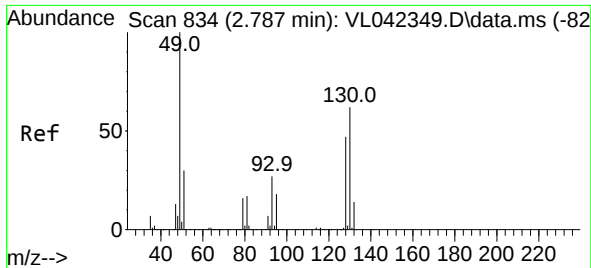
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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QLast Update : Fri Apr 18 01:24:29 2025
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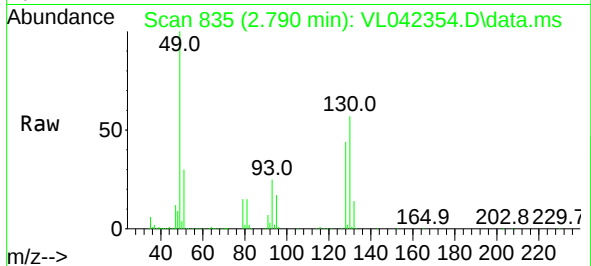
Reviewed By : Semsettin Yesilyurt 04/18/2025
Supervised By : Mahesh Dadoda 04/18/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

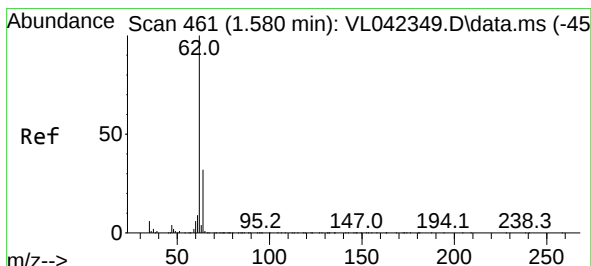
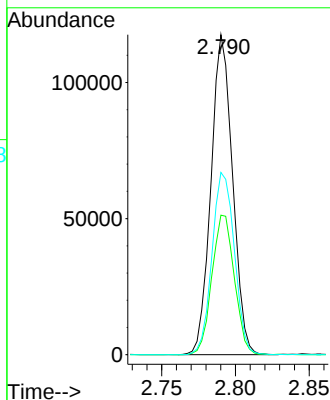
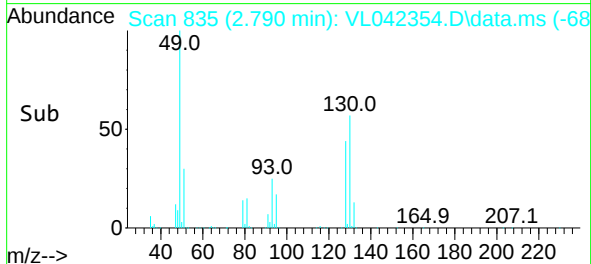
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion: 49 Resp: 12004
Ion Ratio Lower Upper
49 100
128 45.3 22.8 68.4
130 59.0 29.3 88.0

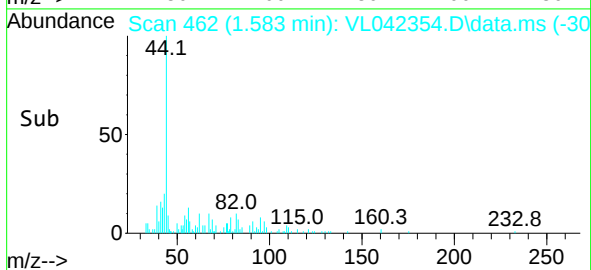
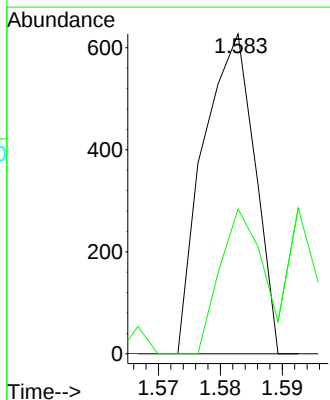
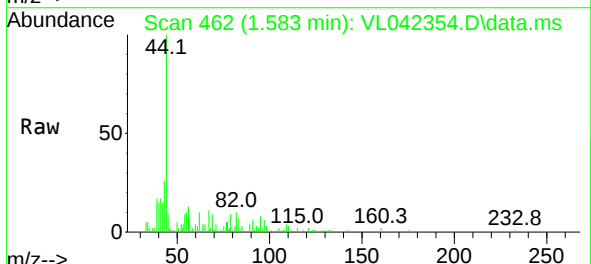
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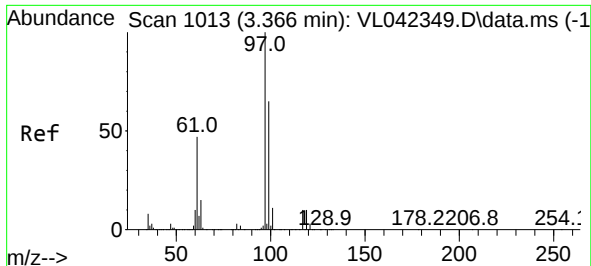
Reviewed By :Semsettin Yesilyurt 04/18/2025
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#5
Vinyl Chloride
Concen: 0.040 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

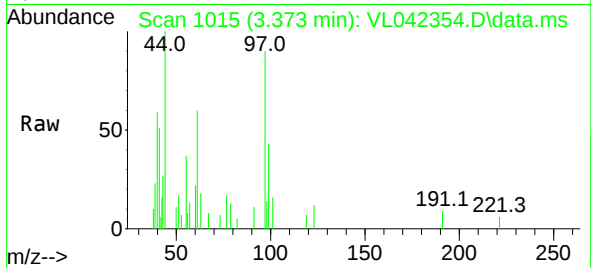
Tgt Ion: 62 Resp: 361
Ion Ratio Lower Upper
62 100
64 45.3 25.4 38.0#





#32
1,1,1-Trichloroethane
Concen: 0.038 ppbv m
RT: 3.373 min Scan# 1015
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

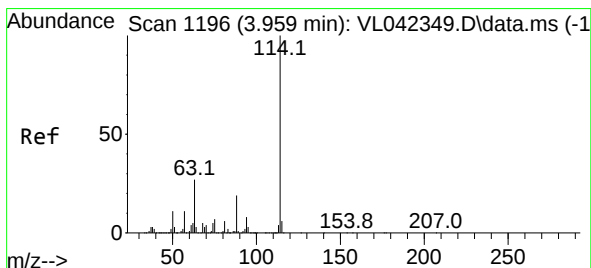
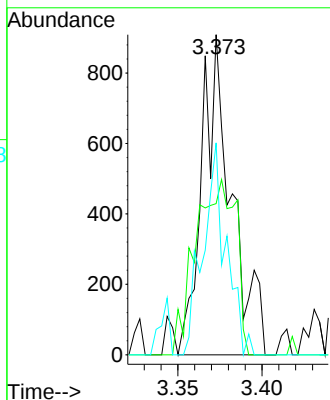
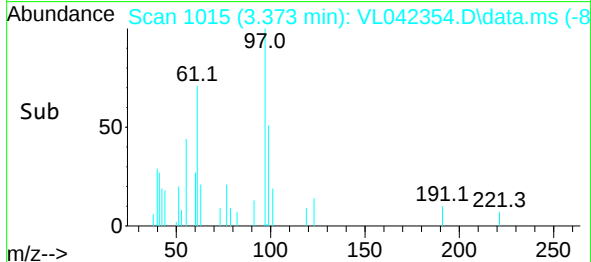
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



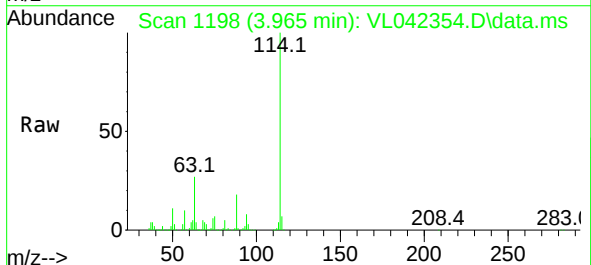
Tgt Ion: 97 Resp: 1120
Ion Ratio Lower Upper
97 100
99 74.4 51.0 76.4
61 56.9 38.8 58.2

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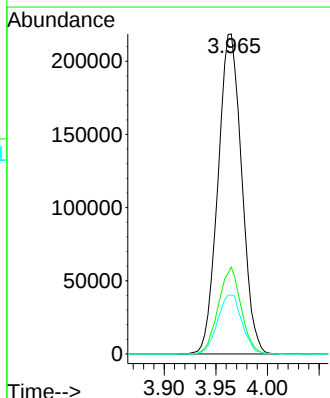
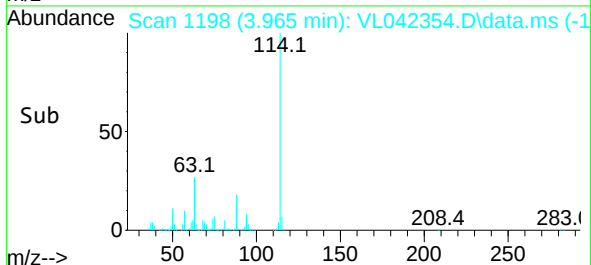
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Supervised By :Mahesh Dadoda 04/18/2025

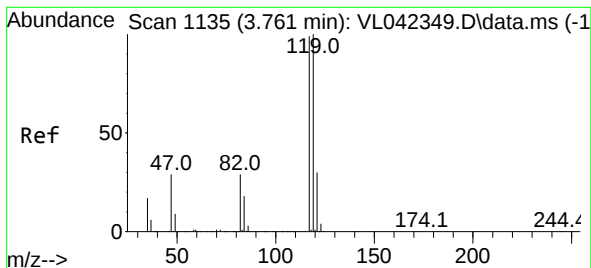


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22



Tgt Ion:114 Resp: 349264
Ion Ratio Lower Upper
114 100
63 26.0 21.8 32.6
88 19.0 15.5 23.3





#35

Carbon Tetrachloride

Concen: 0.044 ppbv m

RT: 3.768 min Scan# 1135

Delta R.T. 0.006 min

Lab File: VL042354.D

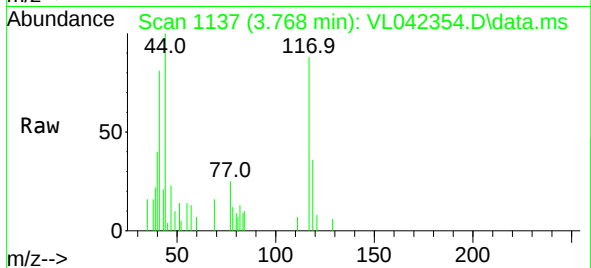
Acq: 17 Apr 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

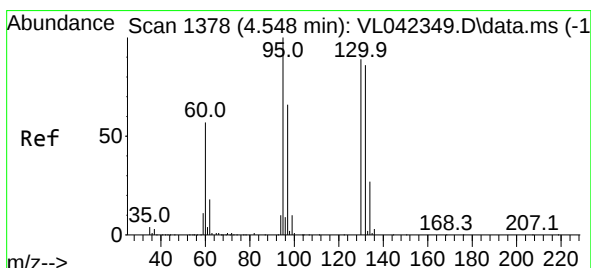
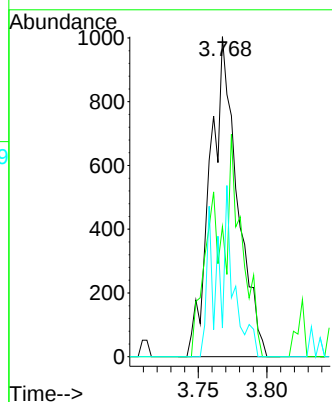
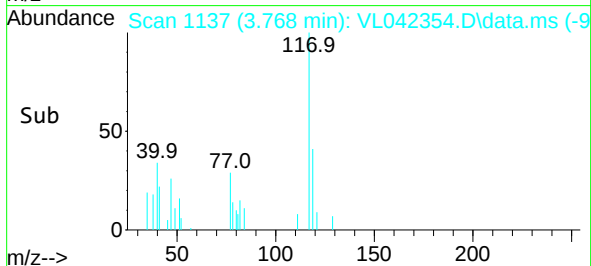


Tgt Ion:	117	Resp:	138
Ion	Ratio	Lower	Upper
117	100		
119	40.6	80.5	120.7
121	9.0	24.2	36.2

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#38

Trichloroethene

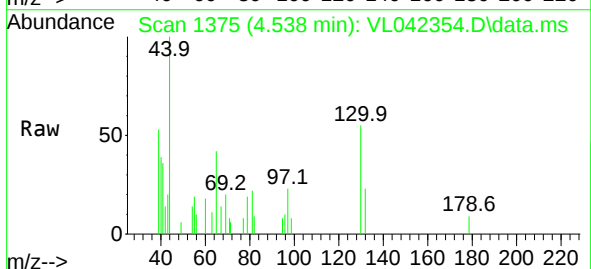
Concen: 0.041 ppbv m

RT: 4.538 min Scan# 1375

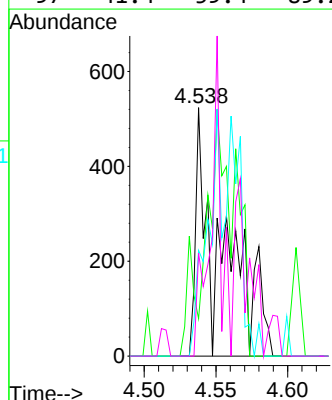
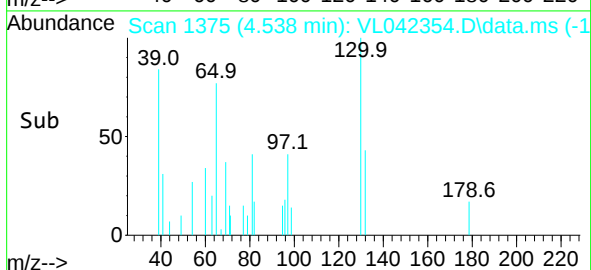
Delta R.T. -0.010 min

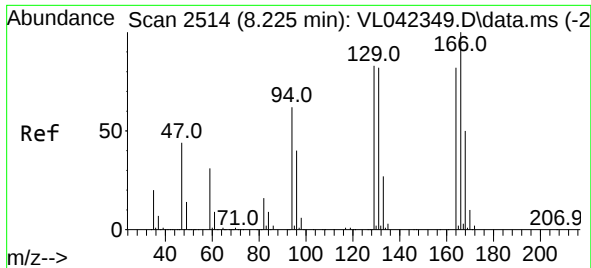
Lab File: VL042354.D

Acq: 17 Apr 2025 12:22



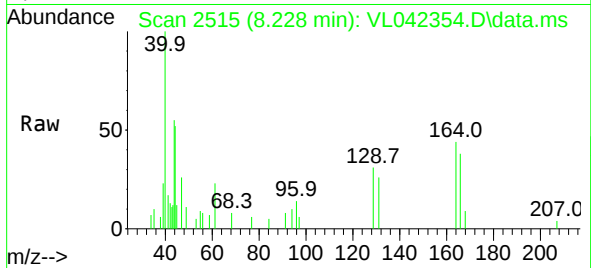
Tgt Ion:	130	Resp:	674
Ion	Ratio	Lower	Upper
130	100		
95	15.1	89.8	134.6#
132	42.6	77.7	116.5#
97	41.4	59.4	89.2#





#52
Tetrachloroethene
Concen: 0.039 ppbv m
RT: 8.228 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

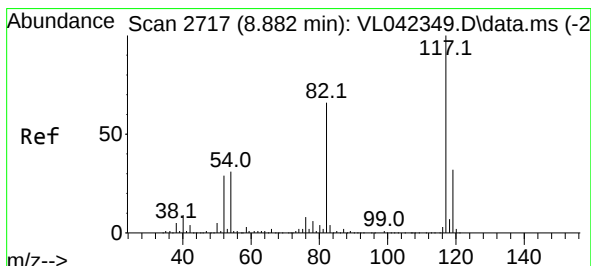
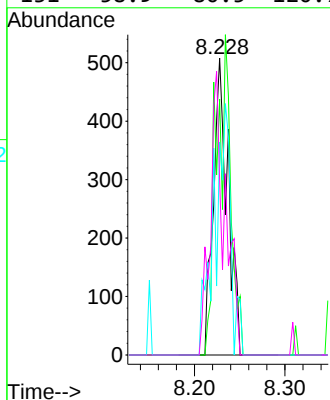
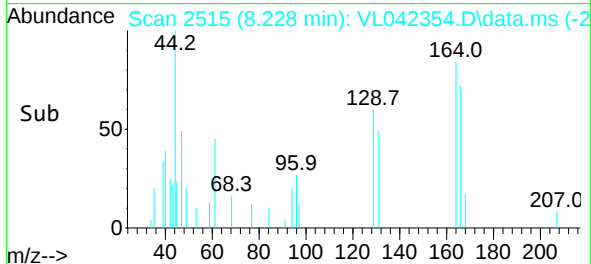
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion:164 Resp: 569
Ion Ratio Lower Upper
164 100
166 86.2 98.2 147.2
129 71.7 81.8 122.8
131 58.9 80.5 120.7

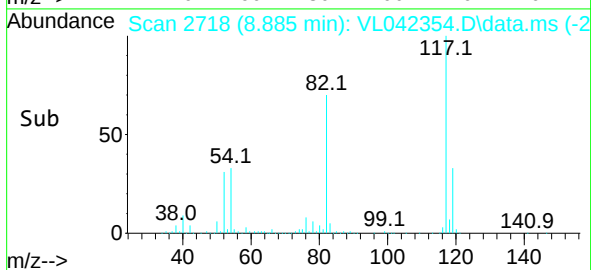
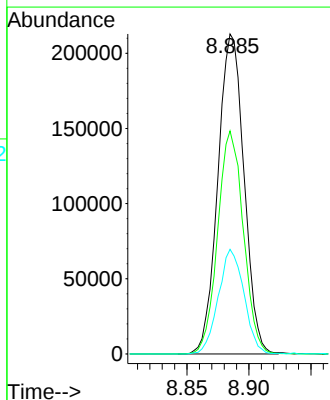
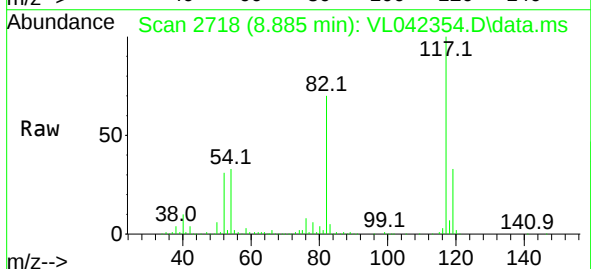
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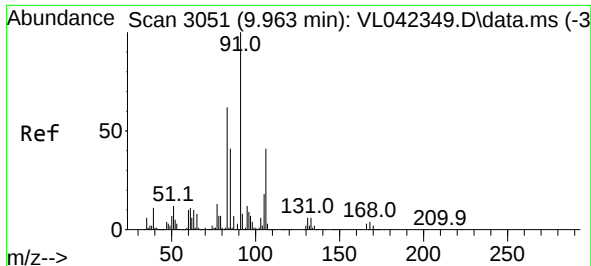
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

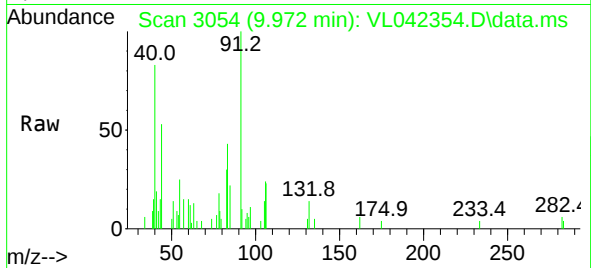
Tgt Ion:117 Resp: 312999
Ion Ratio Lower Upper
117 100
82 68.5 57.8 86.6
119 32.2 25.2 37.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.040 ppbv m
RT: 9.972 min Scan# 3051
Delta R.T. 0.010 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

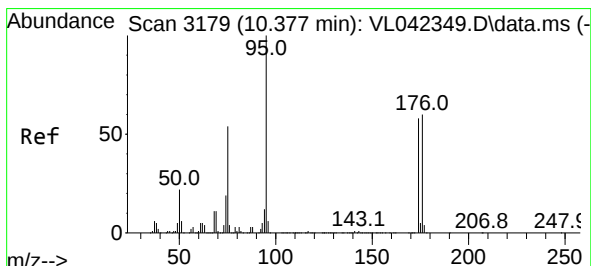
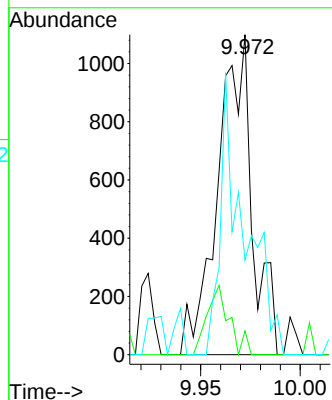
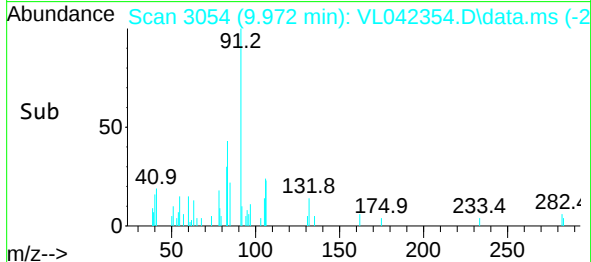
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MSVOA_L
ClientSampleId :
VSTDIC0.03



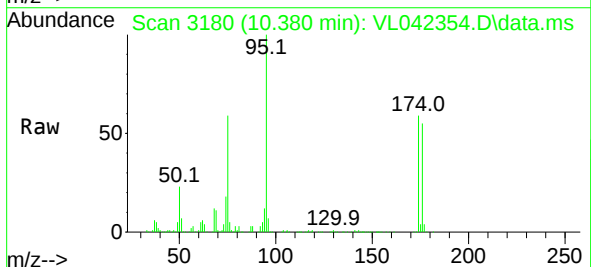
Tgt Ion: 83 Resp: 132
Ion Ratio Lower Upper
83 100
131 13.9 4.5 13.7
85 61.4 32.4 97.0

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.962 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22



Tgt Ion: 95 Resp: 256230
Ion Ratio Lower Upper
95 100
174 58.6 48.5 72.7
175 4.3 3.7 5.5

