

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042847.D
 Acq On : 13 Aug 2025 11:30
 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 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 01:50:16 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 14 2025

QLast Update : Thu Aug 14 01:44:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	122705	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	390076	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	339700	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	250082	9.816	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	268	0.037	ppbv #	81
32) 1,1,1-Trichloroethane	3.379	97	901m	0.033	ppbv	
35) Carbon Tetrachloride	3.774	117	861m	0.032	ppbv	
38) Trichloroethene	4.573	130	487m	0.029	ppbv	
52) Tetrachloroethene	8.241	164	458m	0.034	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.979	83	898m	0.035	ppbv	

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

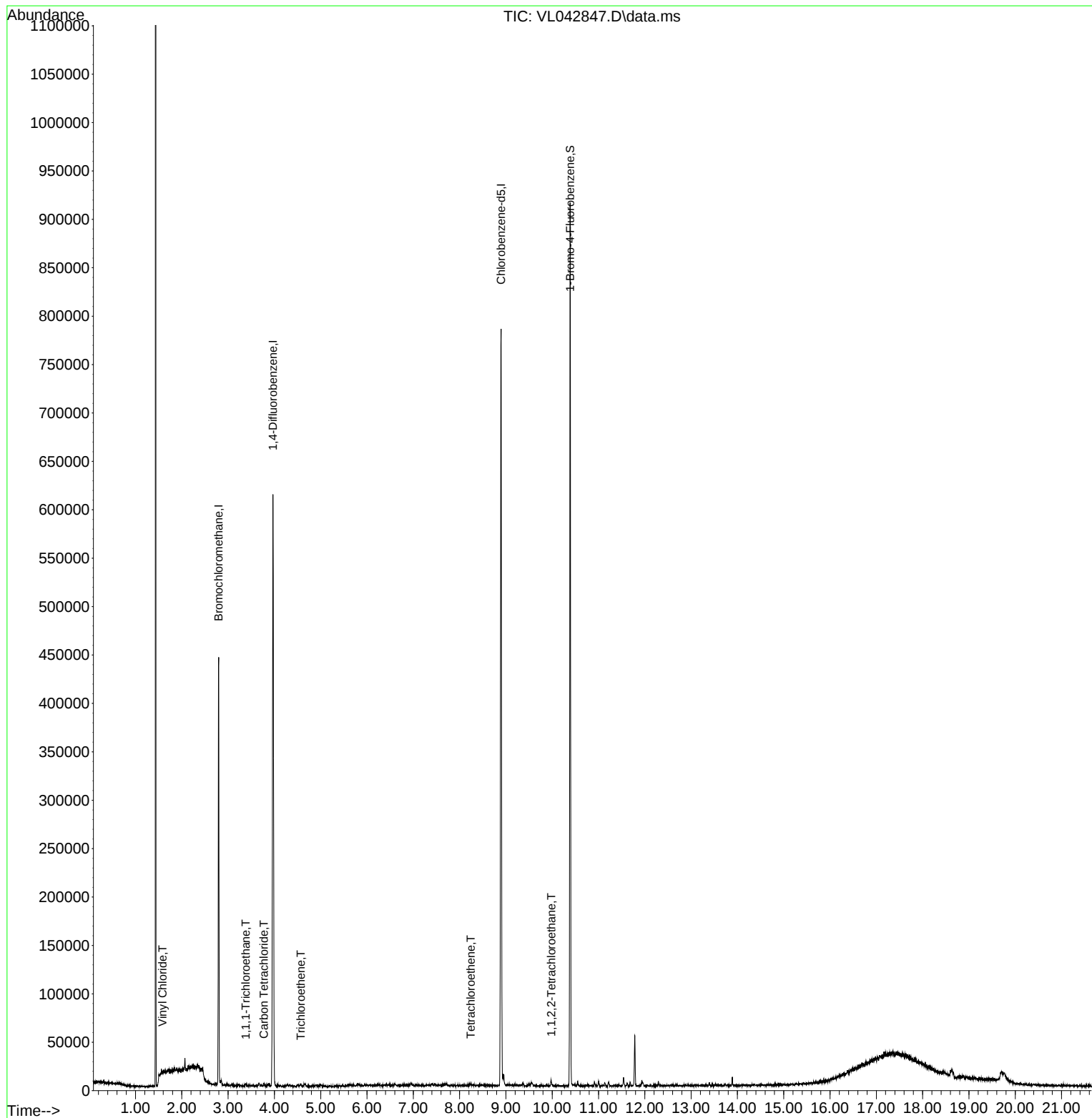
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042847.D
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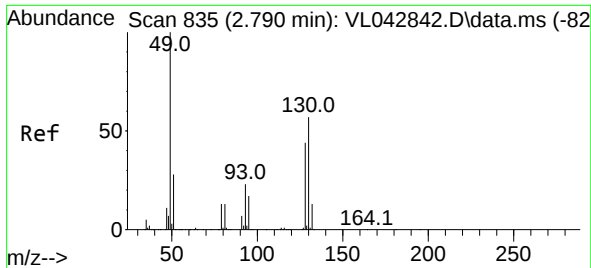
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Aug 14 01:50:16 2025
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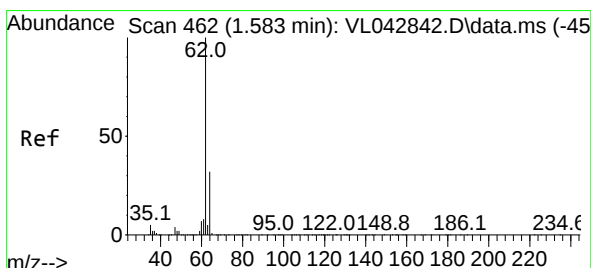
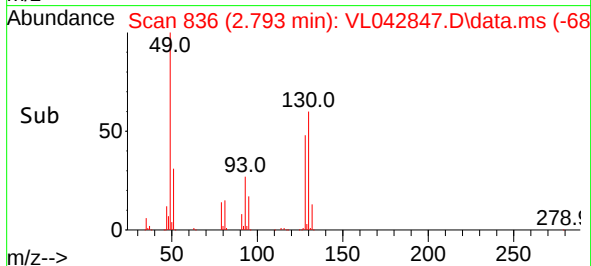
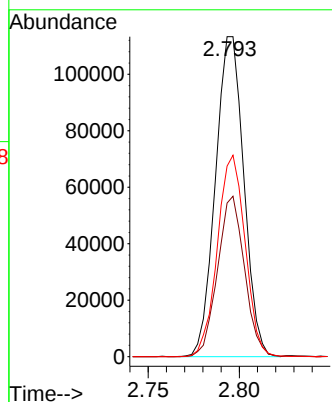
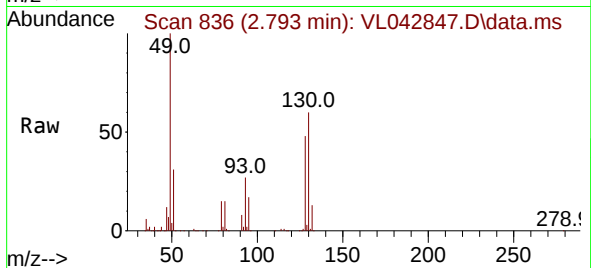
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 835
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 12270
Ion Ratio Lower Upper
49 100
128 47.7 23.7 71.1
130 61.6 30.6 91.6

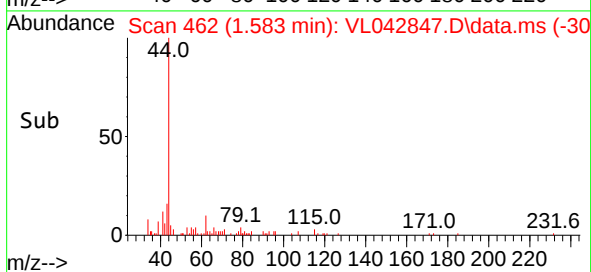
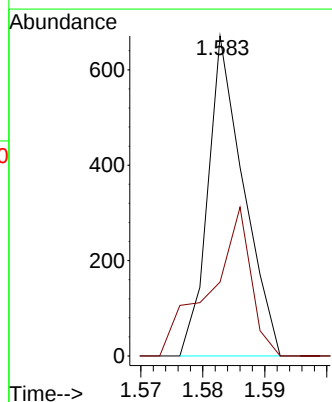
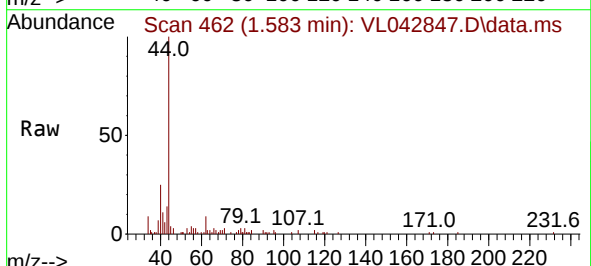
Manual Integrations
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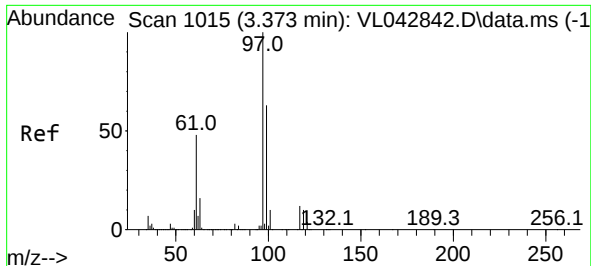
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#5
Vinyl Chloride
Concen: 0.037 ppbv
RT: 1.583 min Scan# 462
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 62 Resp: 268
Ion Ratio Lower Upper
62 100
64 21.2 25.4 38.2#





#32

1,1,1-Trichloroethane

Concen: 0.033 ppbv m

RT: 3.379 min Scan# 1015

Delta R.T. 0.006 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

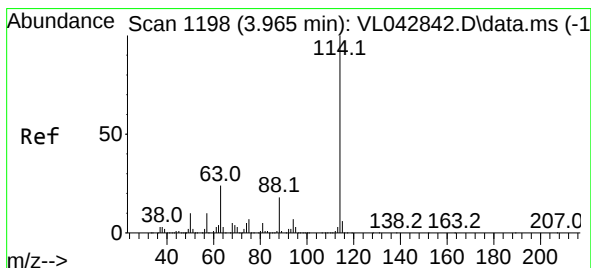
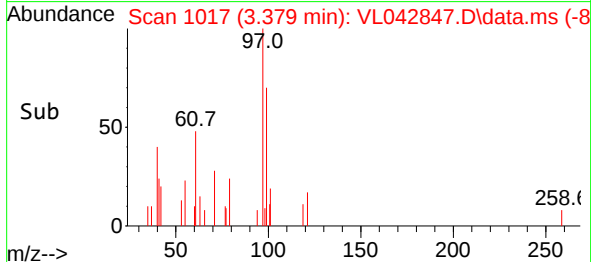
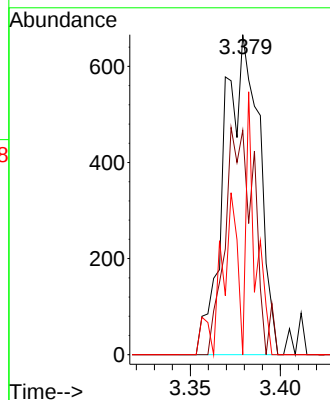
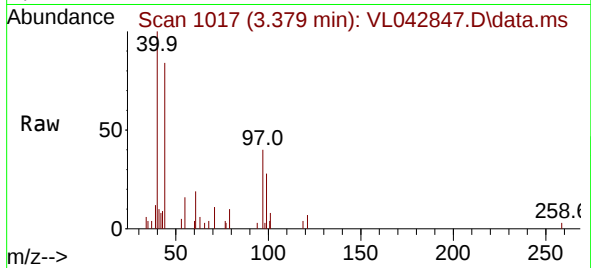
Tgt Ion: 97	Resp: 90
Ion Ratio	Lower Upper
97 100	
99 0.0	51.0 76.6
61 45.2	38.0 57.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

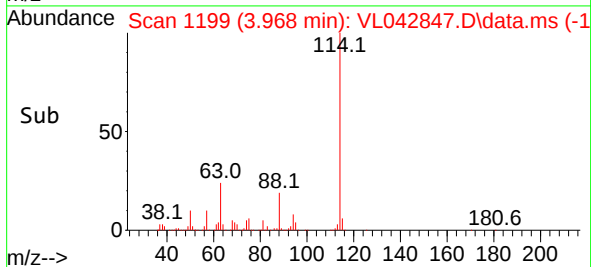
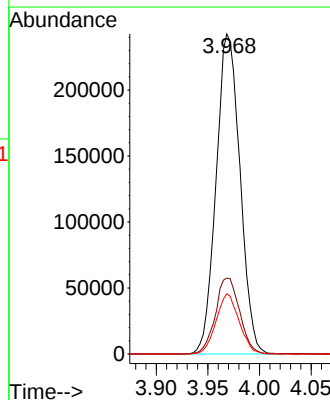
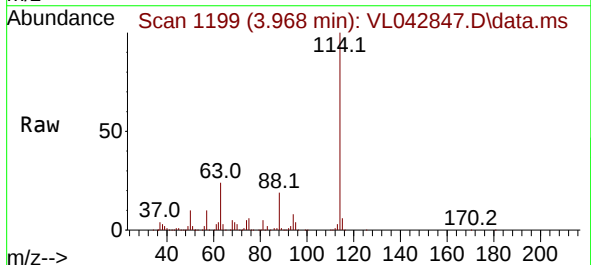
RT: 3.968 min Scan# 1199

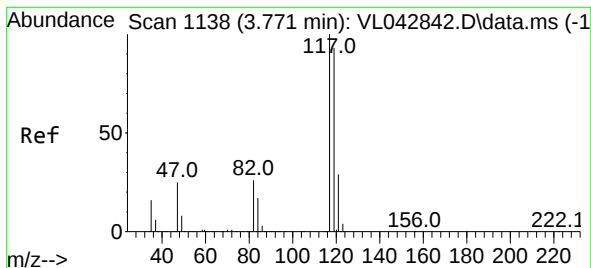
Delta R.T. 0.003 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Tgt Ion: 114	Resp: 390076
Ion Ratio	Lower Upper
114 100	
63 24.1	19.7 29.5
88 18.1	14.4 21.6





#35

Carbon Tetrachloride

Concen: 0.032 ppbv m

RT: 3.774 min Scan# 1138

Delta R.T. 0.003 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

Tgt Ion:117 Resp: 86

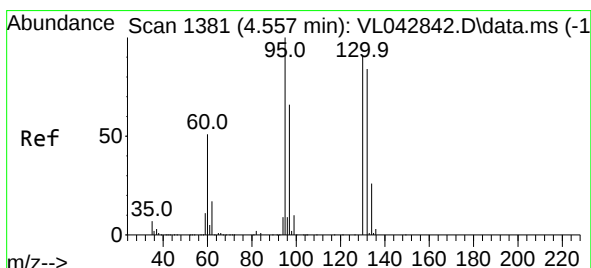
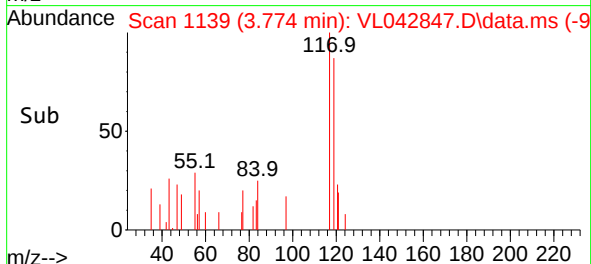
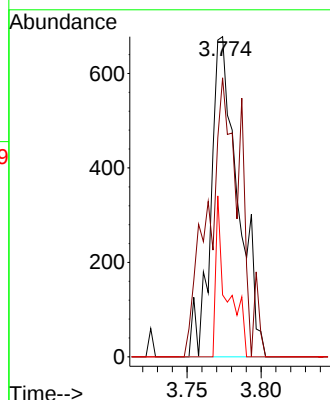
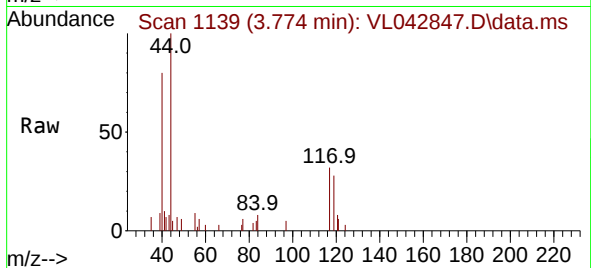
Ion	Ratio	Lower	Upper
117	100		
119	87.2	74.7	112.1
121	19.3	23.2	34.8

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#38

Trichloroethene

Concen: 0.029 ppbv m

RT: 4.573 min Scan# 1386

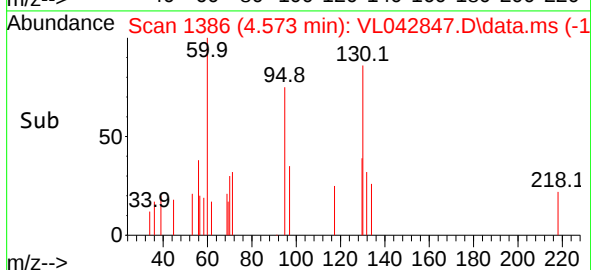
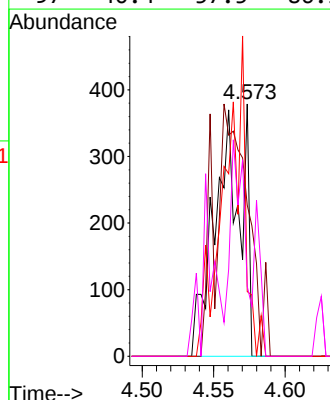
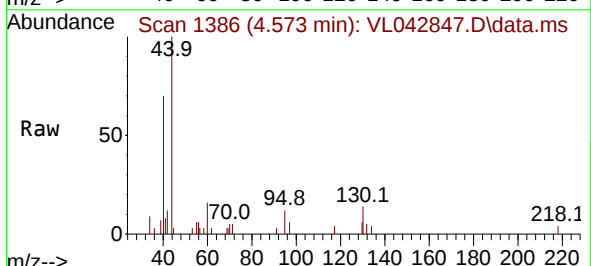
Delta R.T. 0.016 min

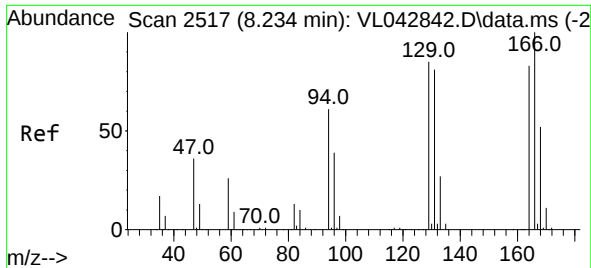
Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Tgt Ion:130 Resp: 487

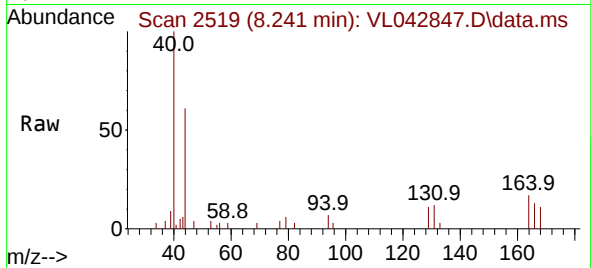
Ion	Ratio	Lower	Upper
130	100		
95	87.3	87.6	131.4#
132	37.3	73.8	110.8#
97	40.4	57.5	86.3#





#52
Tetrachloroethene
Concen: 0.034 ppbv m
RT: 8.241 min Scan# 2519
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

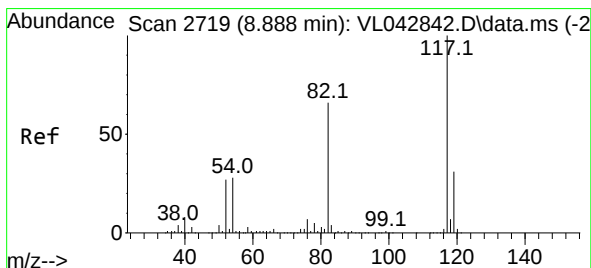
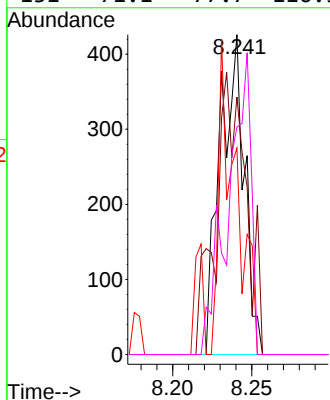
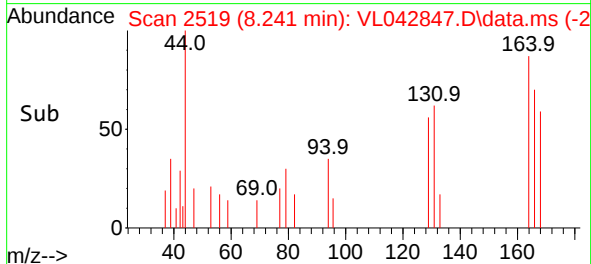
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion:164 Resp: 458
Ion Ratio Lower Upper
164 100
166 80.5 96.5 144.7
129 64.6 81.8 122.6
131 71.1 77.7 116.5

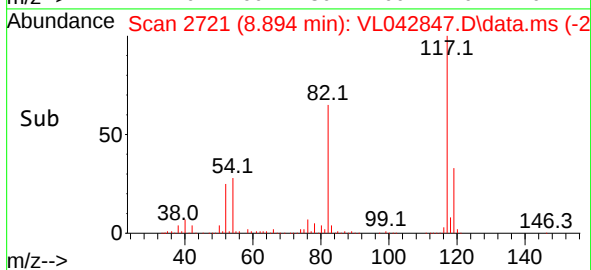
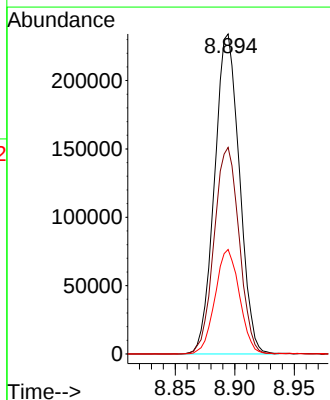
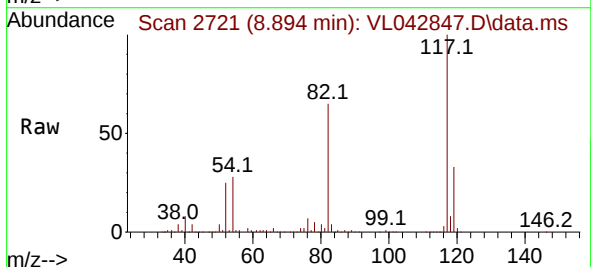
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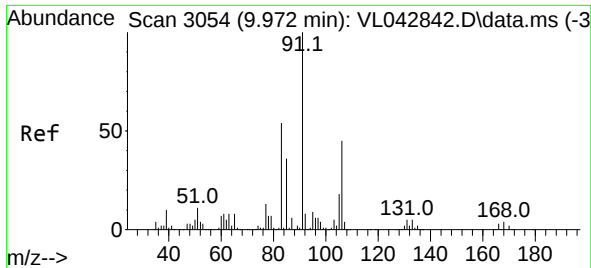
Reviewed By :Semsettin Yesilyurt 08/14/2025
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2721
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

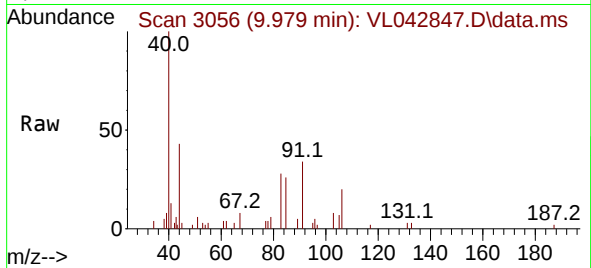
Tgt Ion:117 Resp: 339700
Ion Ratio Lower Upper
117 100
82 65.1 54.6 81.8
119 32.2 25.9 38.9





#63
1,1,2,2-Tetrachloroethane
Concen: 0.035 ppbv m
RT: 9.979 min Scan# 3054
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

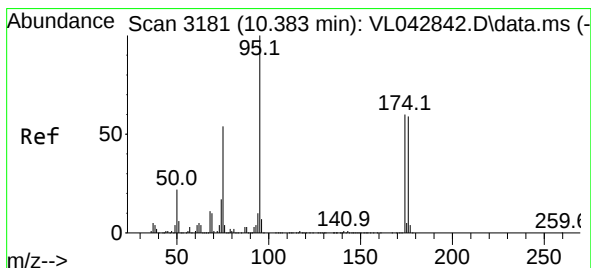
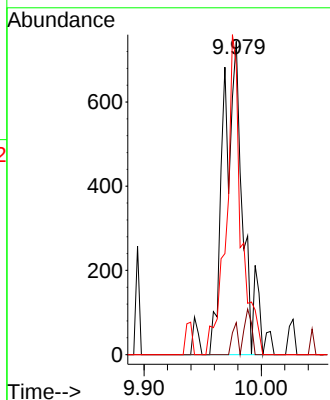
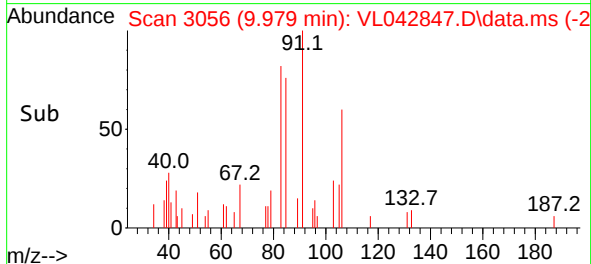
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion: 83 Resp: 898
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.3
85 77.5 32.3 96.8

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.816 ppbv
RT: 10.386 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 95 Resp: 250082
Ion Ratio Lower Upper
95 100
174 58.5 48.4 72.6
175 4.4 3.8 5.8

