

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042760.D
 Acq On : 24 Jul 2025 11:39
 Operator : SY/MD
 Sample : Q2671-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 118-SG2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/25/2025
 Supervised By :Mahesh Dadoda 07/25/2025

Quant Time: Jul 25 01:25:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

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

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	156495	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	430230	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	375286	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	293938	9.890	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
9) Propene	1.483	41	7762	0.792	ppbv	86
13) Ethanol	1.719	45	49390	68.091	ppbv	92
15) Acetone	1.835	43	46128	2.135	ppbv	99
26) Hexane	2.823	57	4829	0.230	ppbv #	47
29) Chloroform	2.848	83	67233	2.074	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	1443m	0.043	ppbv	
34) 2-Butanone	2.557	43	44716	1.467	ppbv	99
35) Carbon Tetrachloride	3.751	117	1090m	0.034	ppbv	
38) Trichloroethene	4.541	130	40151	2.050	ppbv	96
52) Tetrachloroethene	8.218	164	31954	1.891	ppbv	94

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

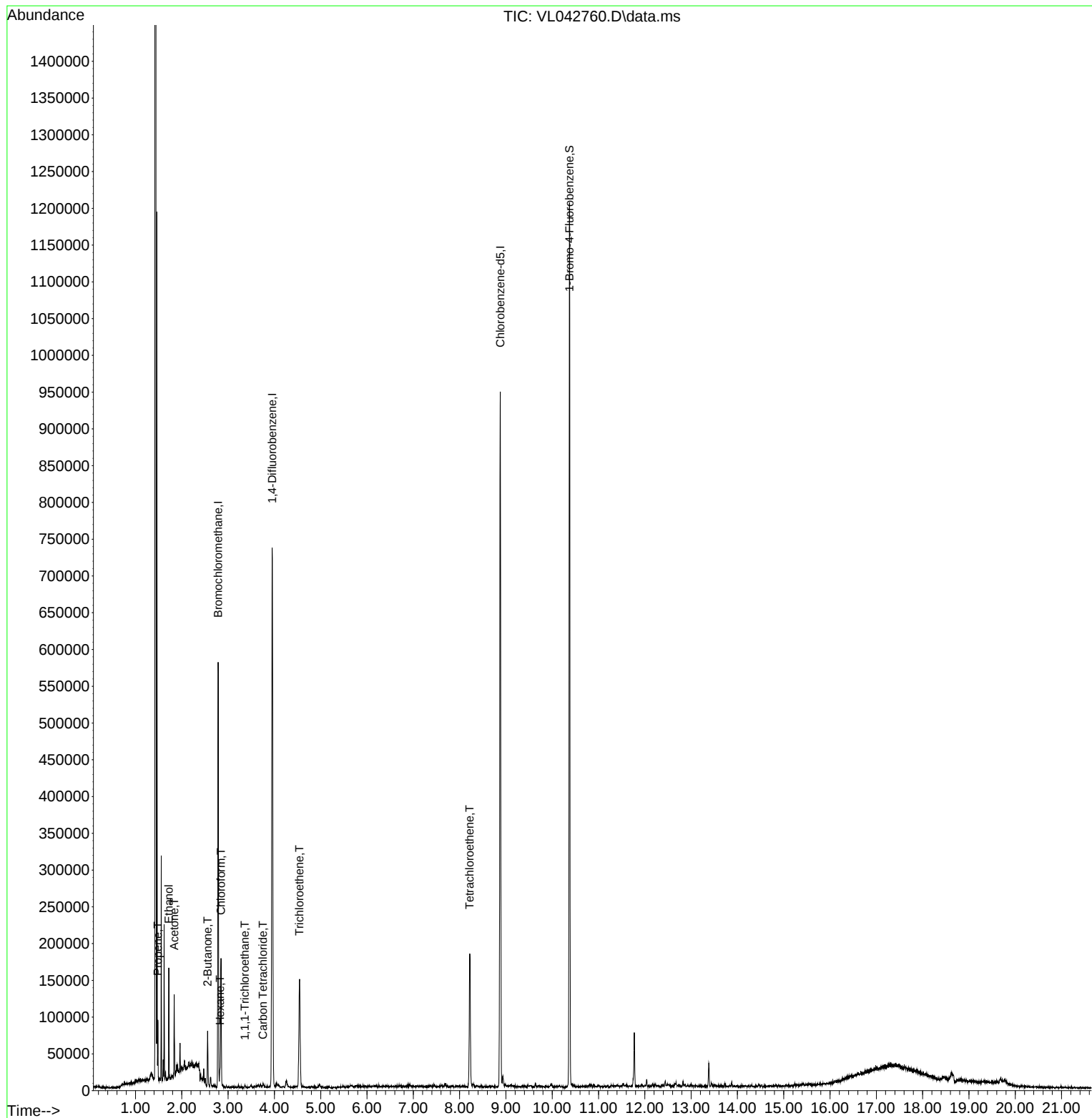
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042760.D
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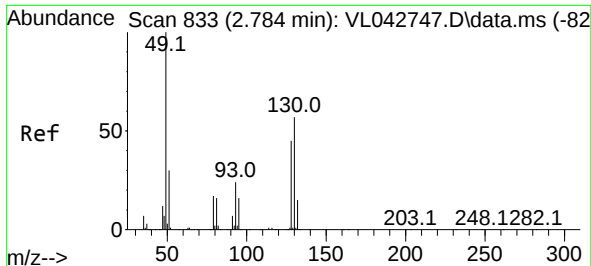
Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Quant Time: Jul 25 01:25:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
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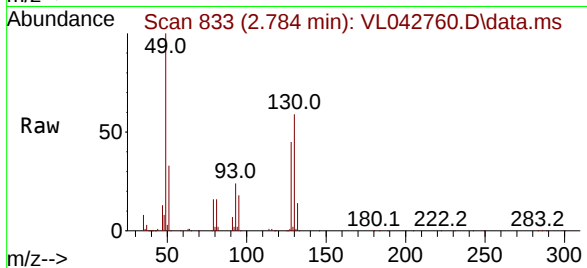
Reviewed By : Semsettin Yesilyurt 07/25/2025
Supervised By : Mahesh Dadoda 07/25/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

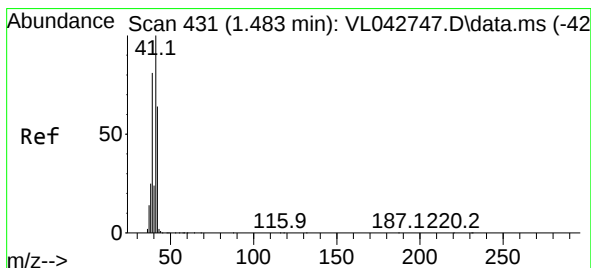
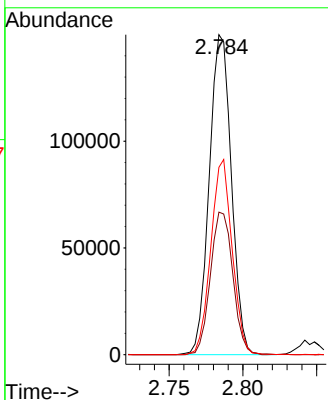
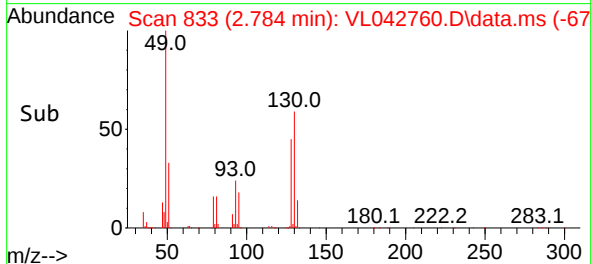
Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL



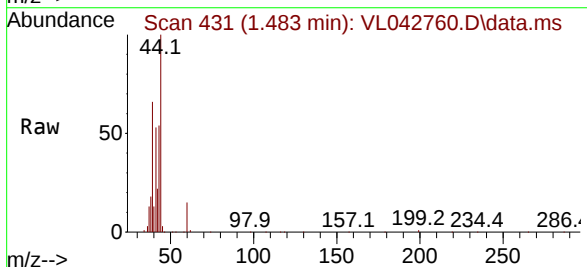
Tgt Ion: 49 Resp: 15649
Ion Ratio Lower Upper
49 100
128 45.2 23.6 71.0
130 58.9 30.3 90.8

Manual Integrations
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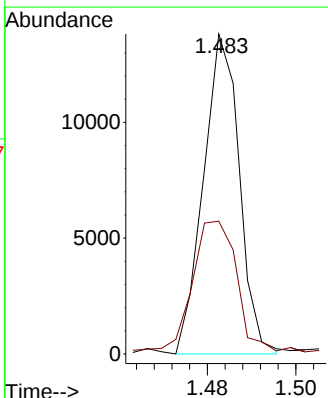
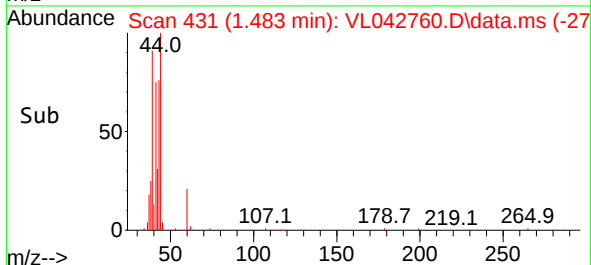
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

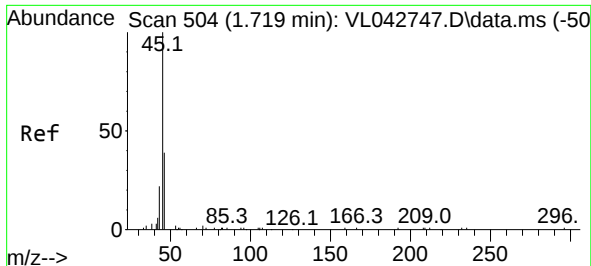


#9
Propene
Concen: 0.792 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39



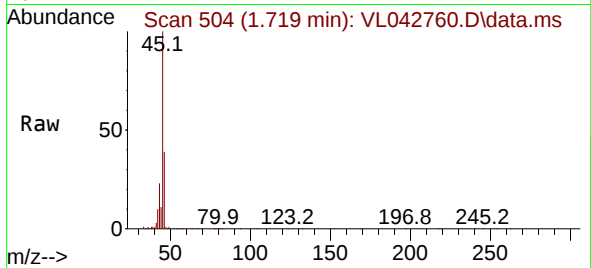
Tgt Ion: 41 Resp: 7762
Ion Ratio Lower Upper
41 100
42 55.5 53.2 79.8





#13
Ethanol
Concen: 68.091 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

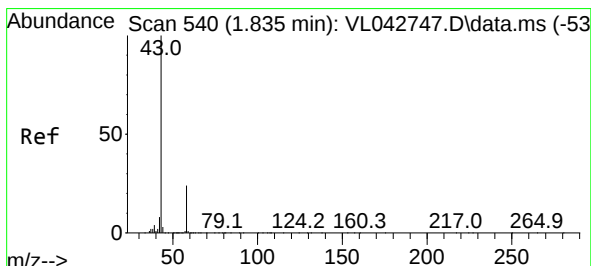
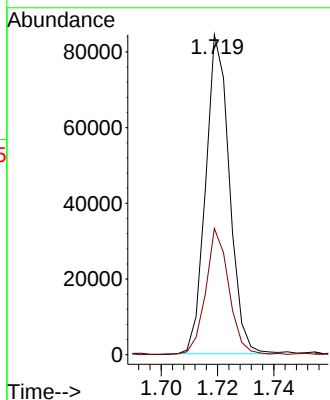
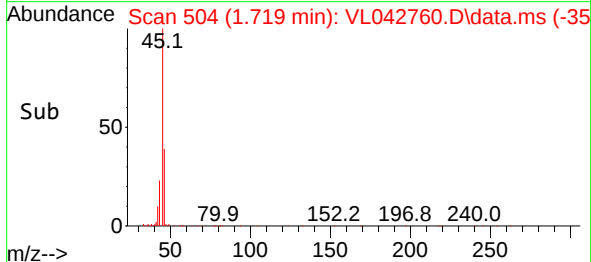
Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL



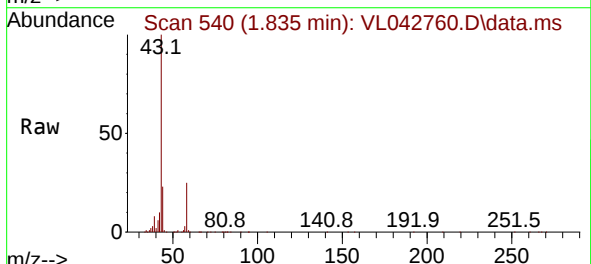
Tgt Ion: 45 Resp: 49390
Ion Ratio Lower Upper
45 100
46 39.6 17.8 71.4

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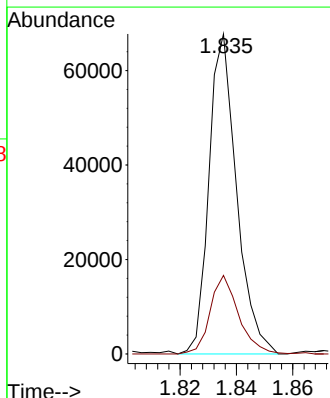
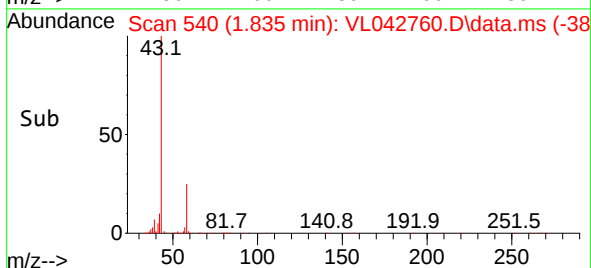
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

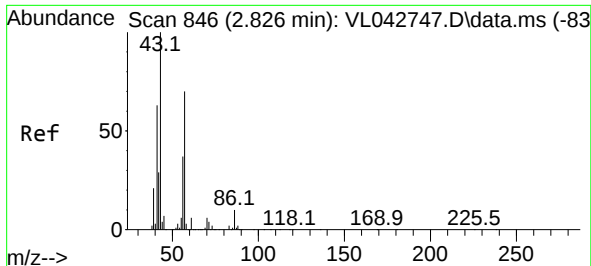


#15
Acetone
Concen: 2.135 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39



Tgt Ion: 43 Resp: 46128
Ion Ratio Lower Upper
43 100
58 25.4 19.8 29.8





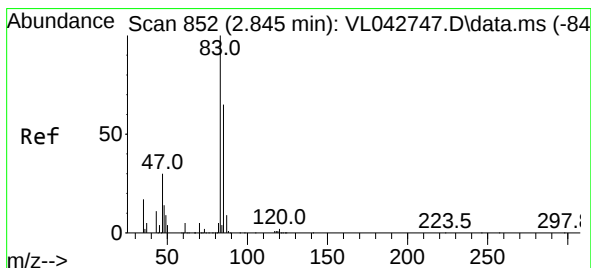
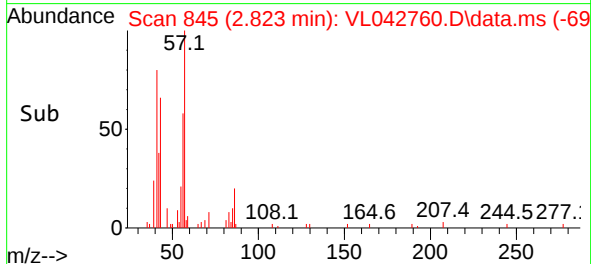
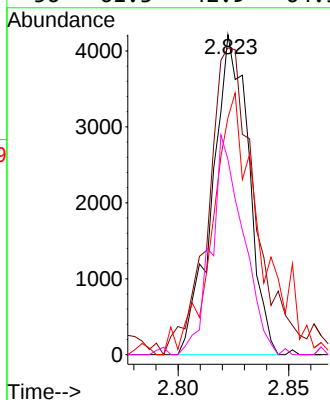
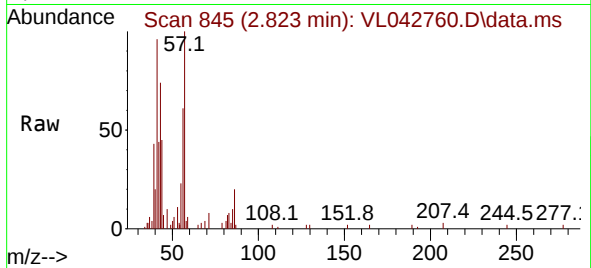
#26
Hexane
Concen: 0.230 ppbv
RT: 2.823 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion: 57 Resp: 4829
Ion Ratio Lower Upper
57 100
41 130.1 75.4 113.2
43 115.8 185.0 277.6
56 61.3 42.9 64.3

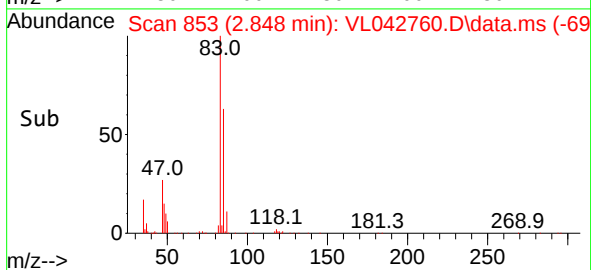
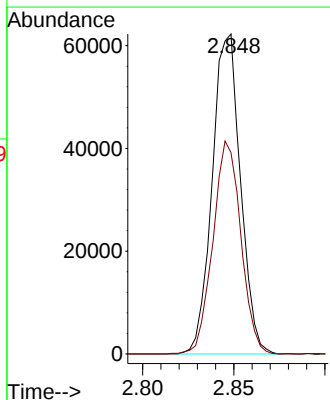
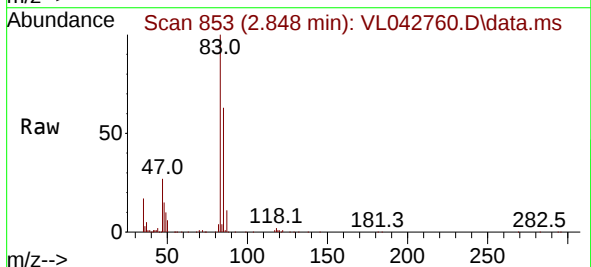
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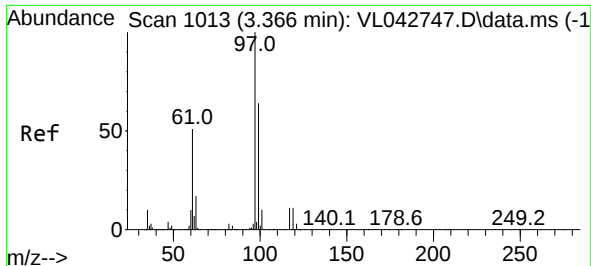
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#29
Chloroform
Concen: 2.074 ppbv
RT: 2.848 min Scan# 853
Delta R.T. 0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 83 Resp: 67233
Ion Ratio Lower Upper
83 100
85 62.9 52.2 78.2





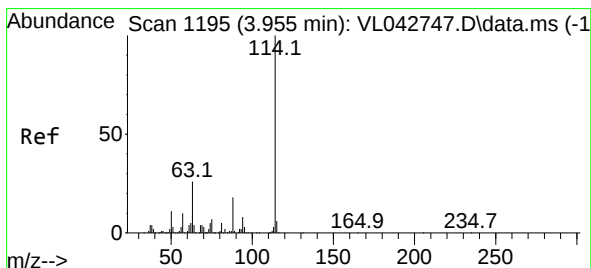
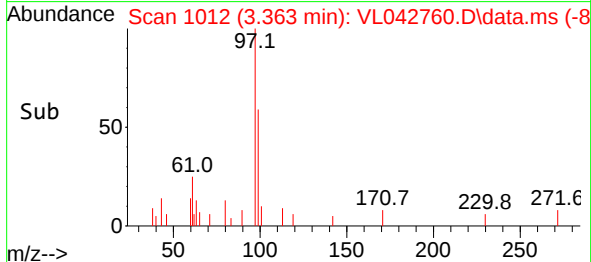
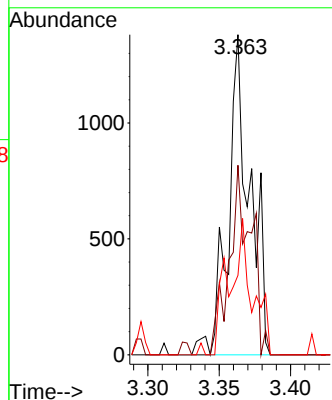
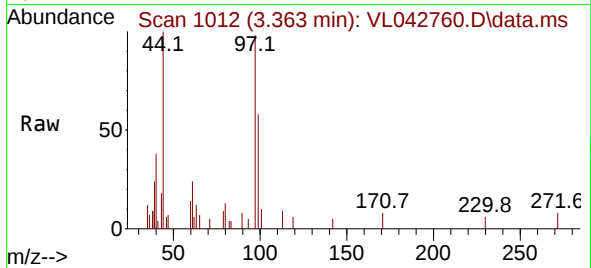
#32
 1,1,1-Trichloroethane
 Concen: 0.043 ppbv m
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042760.D
 Acq: 24 Jul 2025 11:39

Instrument :
 MSVOA_L
 ClientSampleId :
 118-SG2DL

Tgt Ion: 97 Resp: 144
 Ion Ratio Lower Upper
 97 100
 99 2.1 51.0 76.6
 61 1.7 40.9 61.3

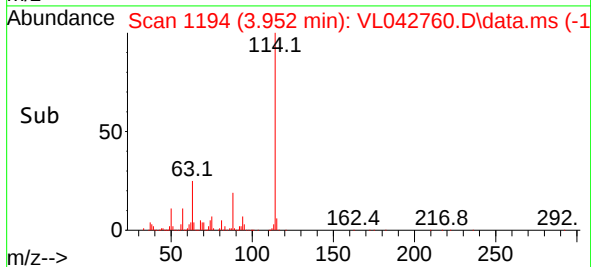
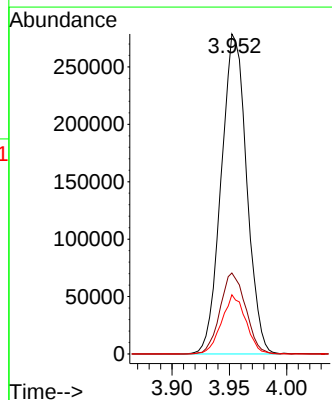
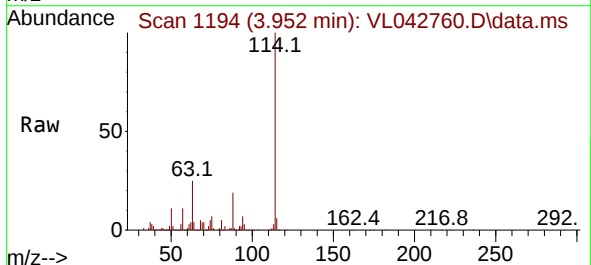
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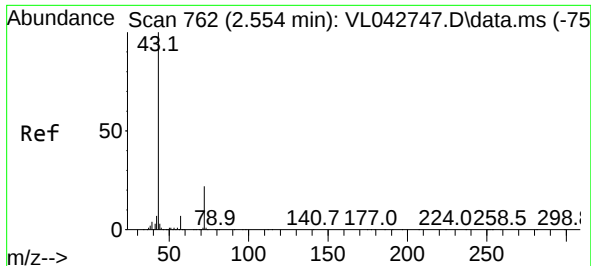
Reviewed By :Semsettin Yesilyurt 07/25/2025
 Supervised By :Mahesh Dadoda 07/25/2025



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.952 min Scan# 1194
 Delta R.T. -0.003 min
 Lab File: VL042760.D
 Acq: 24 Jul 2025 11:39

Tgt Ion:114 Resp: 430230
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.5 30.7
 88 17.6 14.0 21.0





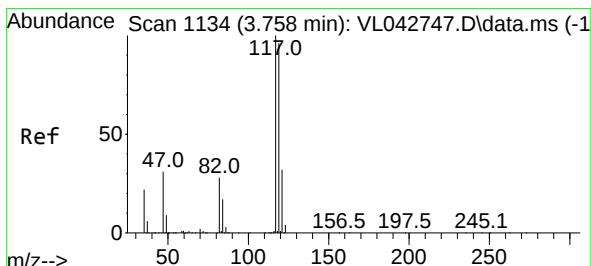
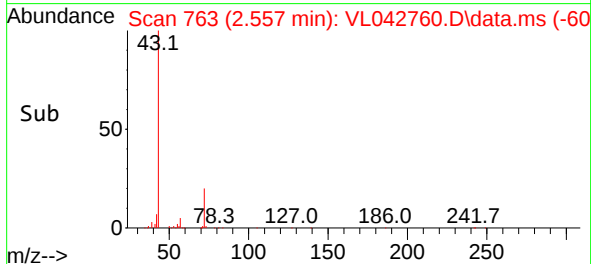
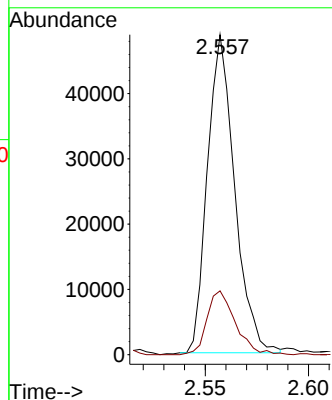
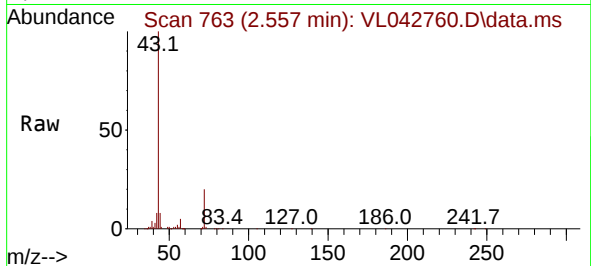
#34
2-Butanone
Concen: 1.467 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion: 43 Resp: 44710
Ion Ratio Lower Upper
43 100
72 21.1 17.4 26.0

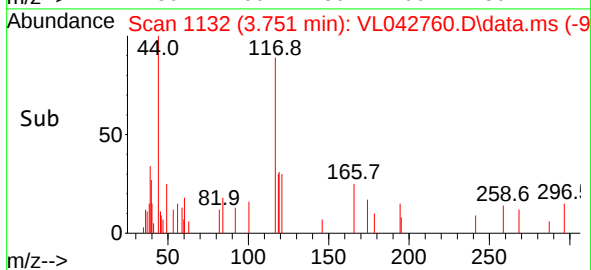
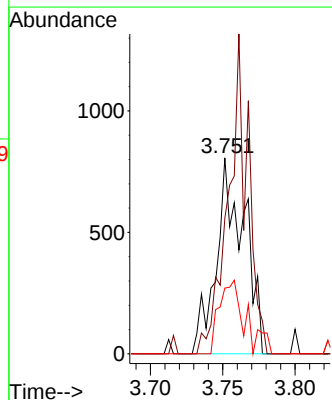
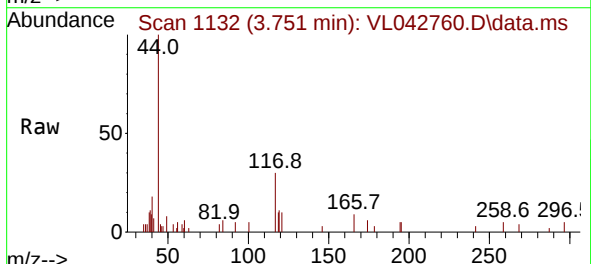
Manual Integrations
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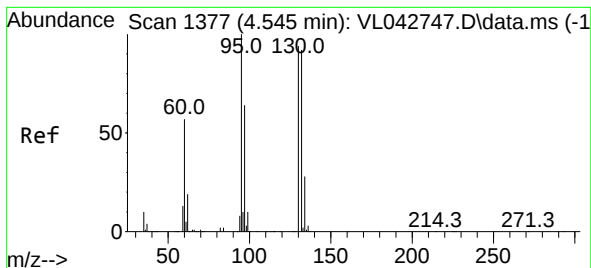
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#35
Carbon Tetrachloride
Concen: 0.034 ppbv m
RT: 3.751 min Scan# 1132
Delta R.T. -0.007 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion:117 Resp: 1090
Ion Ratio Lower Upper
117 100
119 35.4 77.1 115.7#
121 33.6 25.5 38.3





#38

Trichloroethene

Concen: 2.050 ppbv

RT: 4.541 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042760.D

Acq: 24 Jul 2025 11:39

Instrument :

MSVOA_L

ClientSampleId :

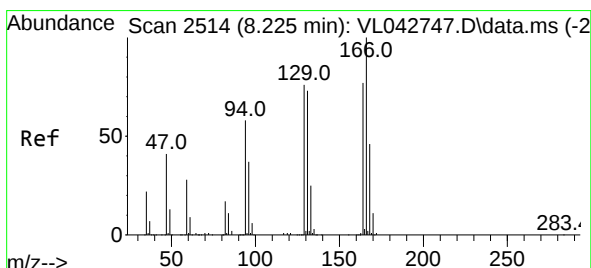
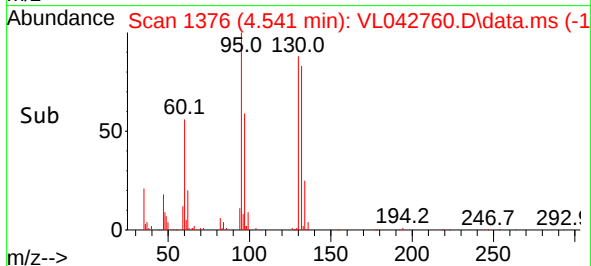
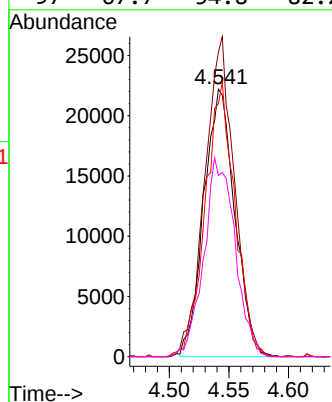
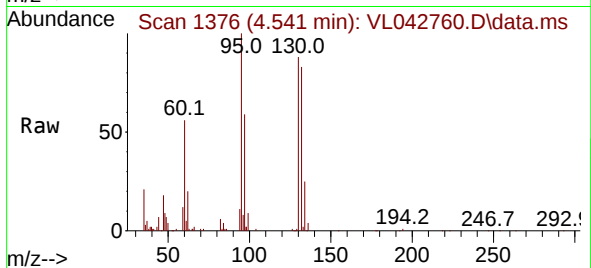
118-SG2DL

Tgt Ion:	130	Resp:	4015
Ion Ratio	Lower	Upper	
130	100		
95	113.9	85.4	128.2
132	94.6	78.2	117.2
97	67.7	54.8	82.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#52

Tetrachloroethene

Concen: 1.891 ppbv

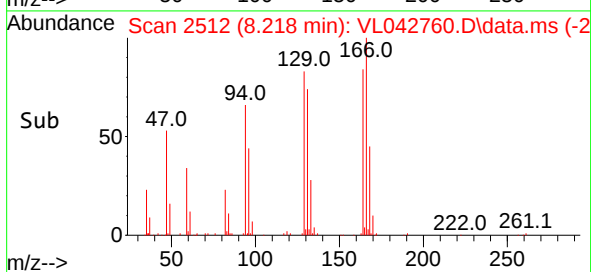
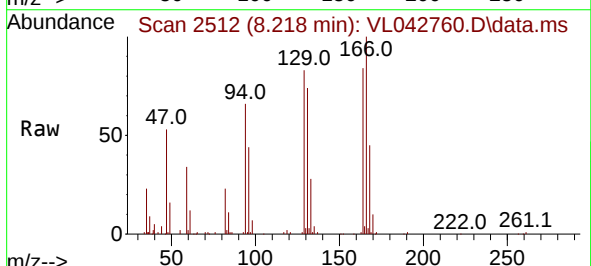
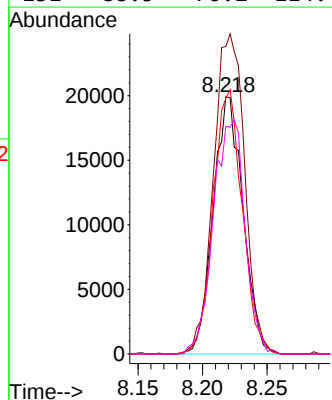
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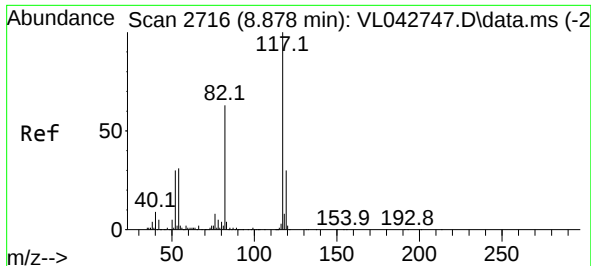
Delta R.T. -0.007 min

Lab File: VL042760.D

Acq: 24 Jul 2025 11:39

Tgt Ion:	164	Resp:	31954
Ion Ratio	Lower	Upper	
164	100		
166	119.6	104.0	156.0
129	99.4	79.2	118.8
131	88.5	76.2	114.4





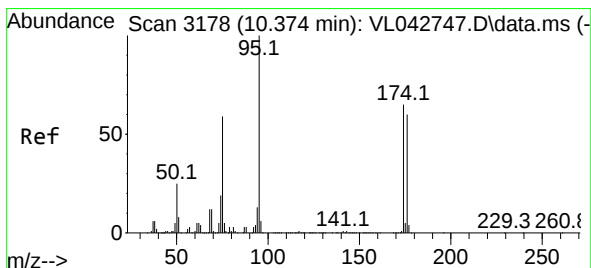
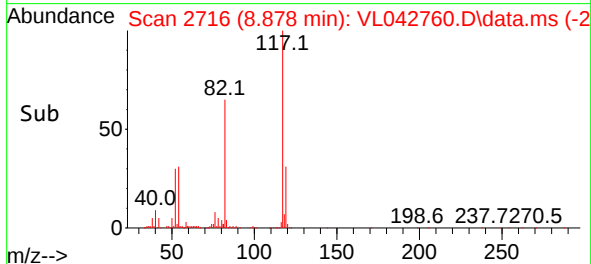
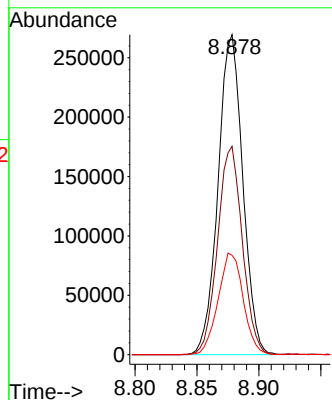
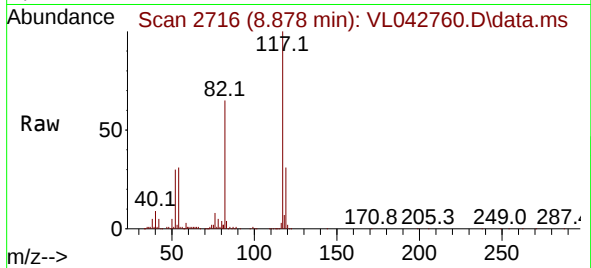
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion: 117 Resp: 375280
Ion Ratio Lower Upper
117 100
82 65.3 53.3 79.9
119 32.4 25.8 38.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.890 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 95 Resp: 293938
Ion Ratio Lower Upper
95 100
174 66.0 53.8 80.6
175 5.0 4.0 6.0

