

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
 Data File : VL042677.D
 Acq On : 27 Jun 2025 14:01
 Operator : SY/MD
 Sample : Q2432-01DL 100X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025

Quant Time: Jun 27 23:04:34 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	110688	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	281745	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	247414	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	193390	10.427	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.300%
Target Compounds						
					Qvalue	
9) Propene	1.483	41	1034	0.137	ppbv	83
13) Ethanol	1.722	45	910m	1.012	ppbv	
15) Acetone	1.832	43	9558	0.717	ppbv	97
20) Methylene Chloride	2.059	84	11631	2.643	ppbv	96
26) Hexane	2.823	57	22691	1.369	ppbv #	39
34) 2-Butanone	2.557	43	4788m	0.238	ppbv	
52) Tetrachloroethene	8.221	164	57757	5.571	ppbv	98

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

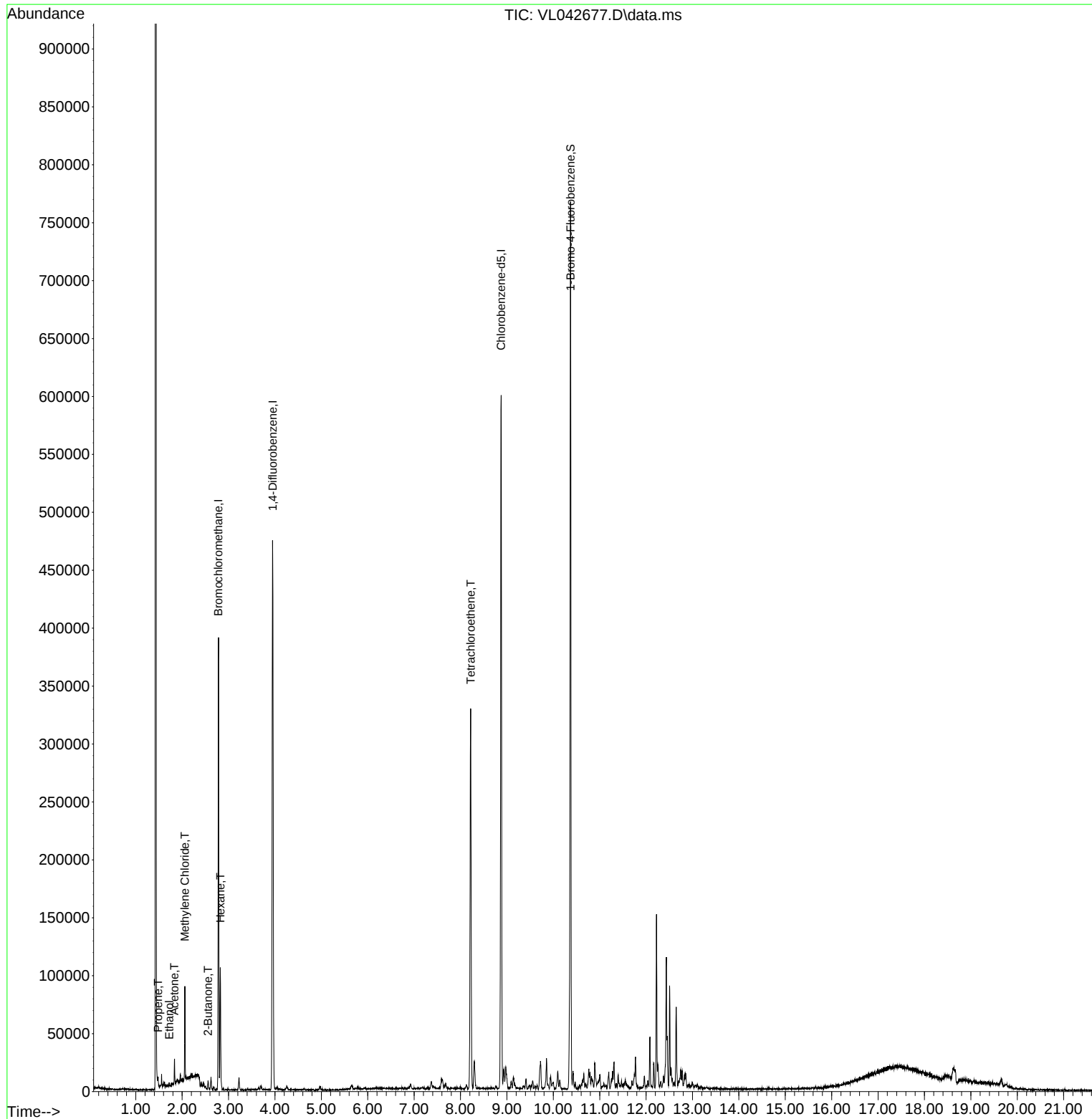
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
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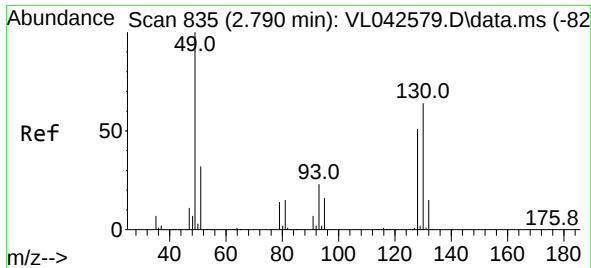
Instrument :
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SV1DL

Quant Time: Jun 27 23:04:34 2025
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

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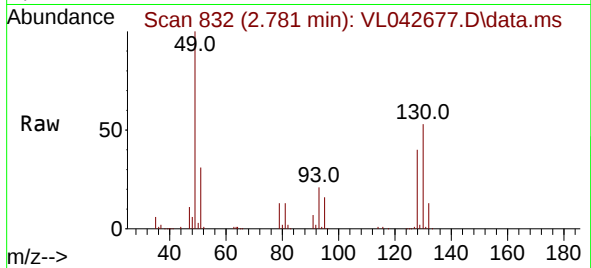
Reviewed By : Semsettin Yesilyurt 06/30/2025
Supervised By : Mahesh Dadoda 06/30/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 835
Delta R.T. -0.009 min
Lab File: VL042677.D
Acq: 27 Jun 2025 14:01

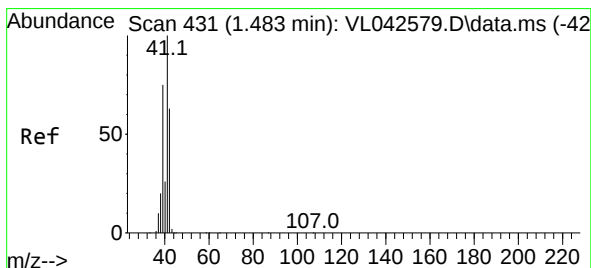
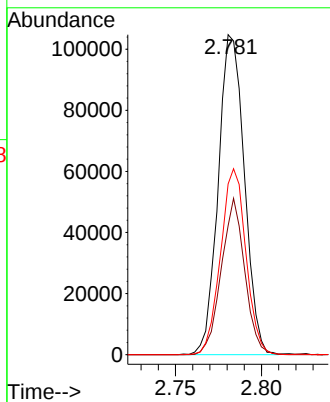
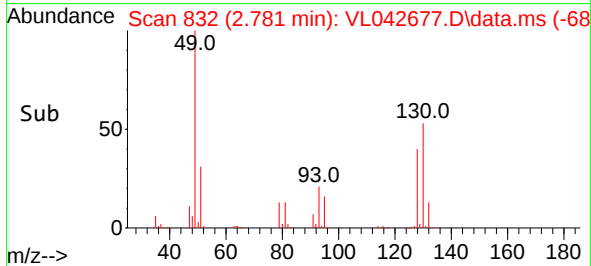
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 110688
Ion Ratio Lower Upper
49 100
128 43.8 24.2 72.6
130 56.5 30.4 91.2

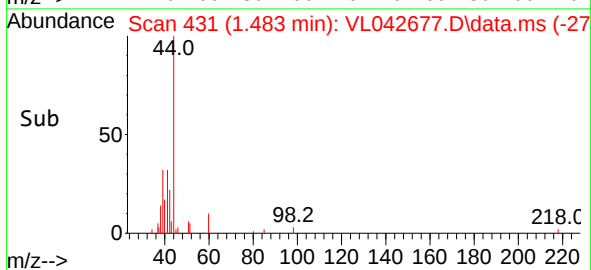
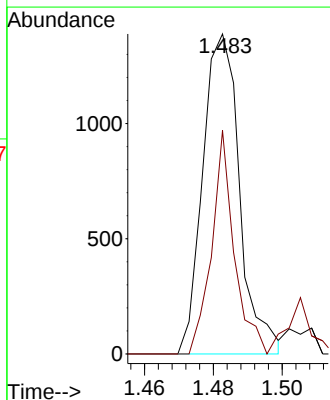
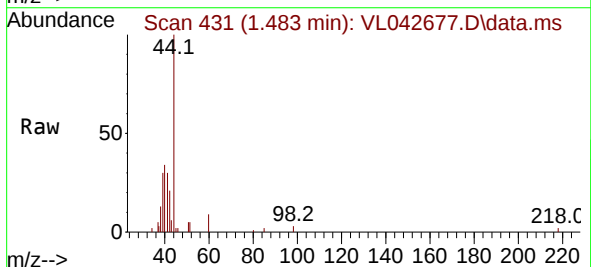
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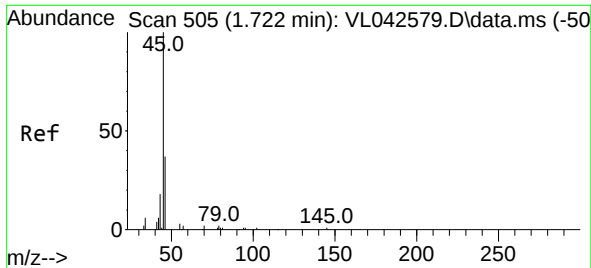
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#9
Propene
Concen: 0.137 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.000 min
Lab File: VL042677.D
Acq: 27 Jun 2025 14:01

Tgt Ion: 41 Resp: 1034
Ion Ratio Lower Upper
41 100
42 53.4 53.3 79.9





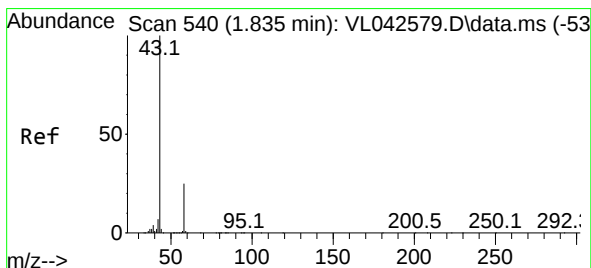
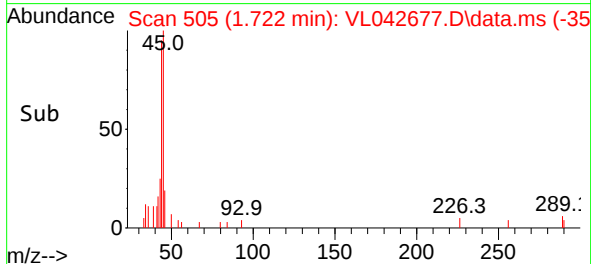
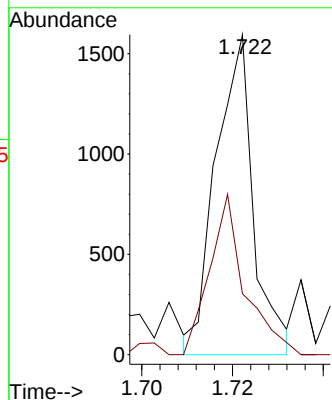
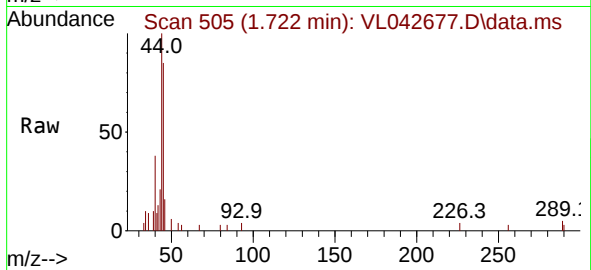
#13
Ethanol
Concen: 1.012 ppbv m
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042677.D
Acq: 27 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 45 Resp: 910
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1

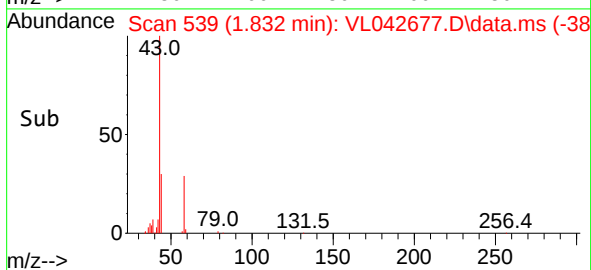
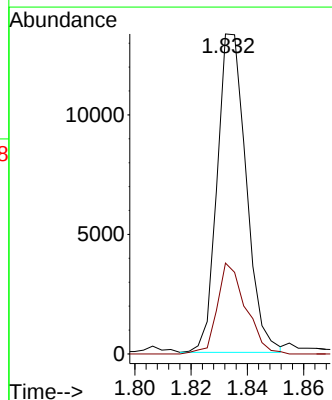
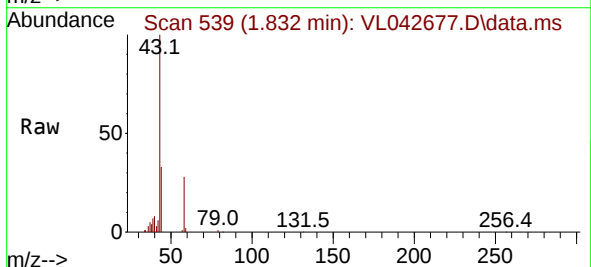
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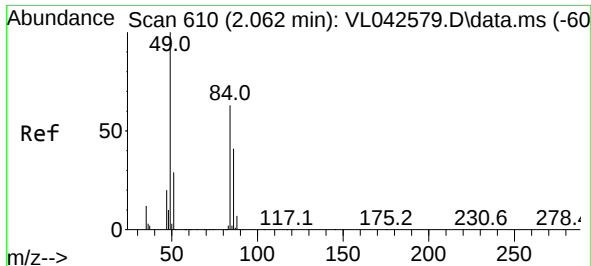
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#15
Acetone
Concen: 0.717 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042677.D
Acq: 27 Jun 2025 14:01

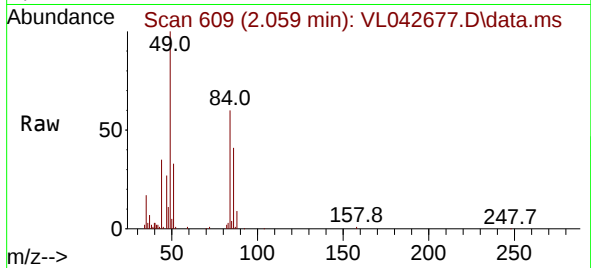
Tgt Ion: 43 Resp: 9558
Ion Ratio Lower Upper
43 100
58 27.9 21.0 31.4





#20
Methylene Chloride
Concen: 2.643 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042677.D
Acq: 27 Jun 2025 14:01

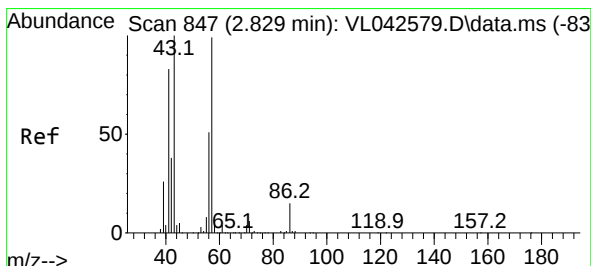
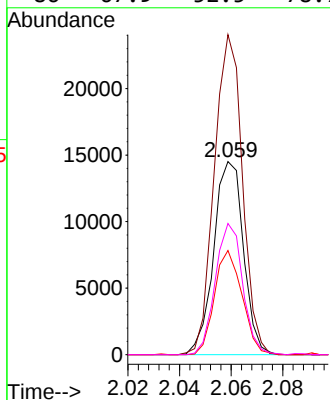
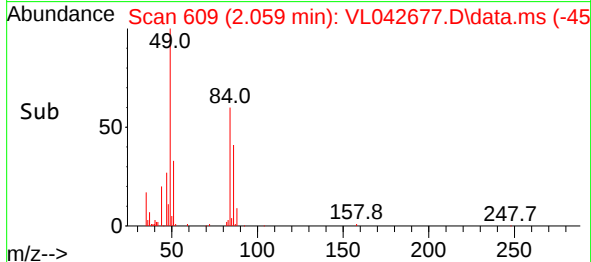
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



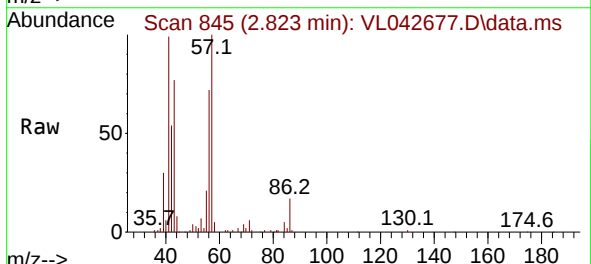
Tgt Ion: 84 Resp: 1163
Ion Ratio Lower Upper
84 100
49 165.7 128.8 193.2
51 54.0 38.6 57.8
86 67.9 52.5 78.7

Manual Integrations
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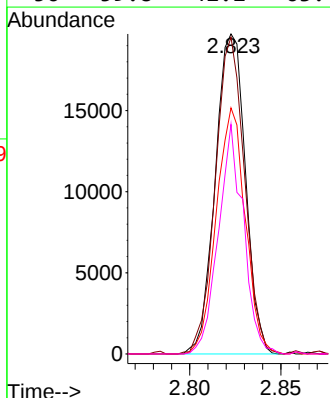
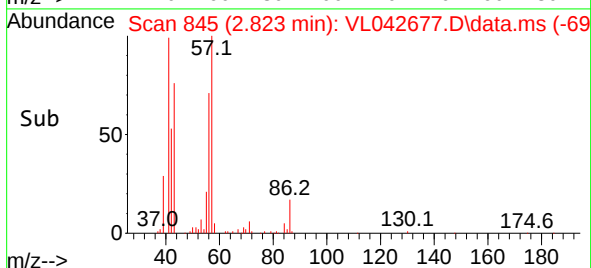
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

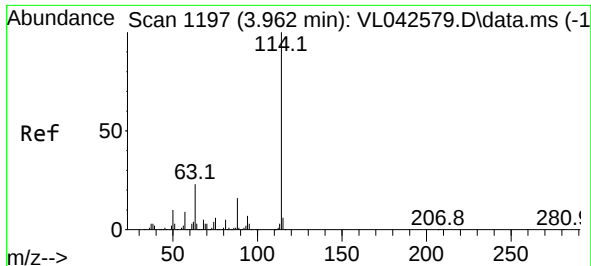


#26
Hexane
Concen: 1.369 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.006 min
Lab File: VL042677.D
Acq: 27 Jun 2025 14:01



Tgt Ion: 57 Resp: 22691
Ion Ratio Lower Upper
57 100
41 96.4 70.6 106.0
43 74.3 181.1 271.7#
56 59.8 42.2 63.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.010 min

Lab File: VL042677.D

Acq: 27 Jun 2025 14:01

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:114 Resp: 28174

Ion Ratio Lower Upper

114 100

63 25.0 19.0 28.6

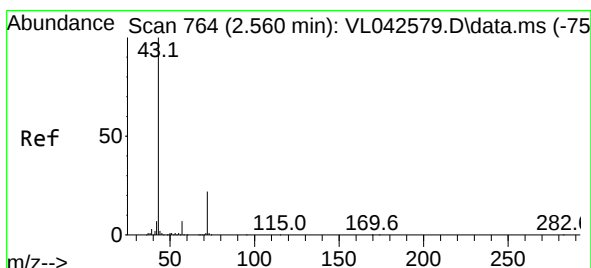
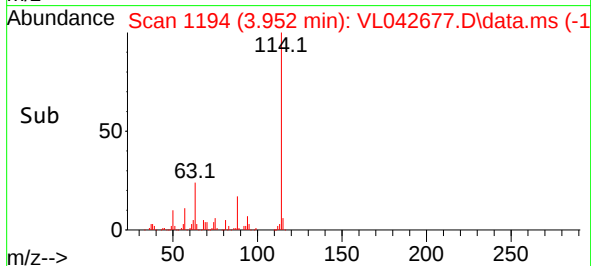
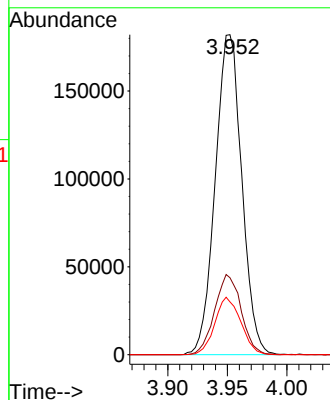
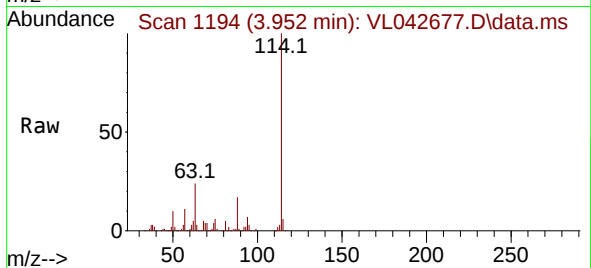
88 17.6 13.6 20.4

Manual Integrations

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#34

2-Butanone

Concen: 0.238 ppbv m

RT: 2.557 min Scan# 763

Delta R.T. -0.003 min

Lab File: VL042677.D

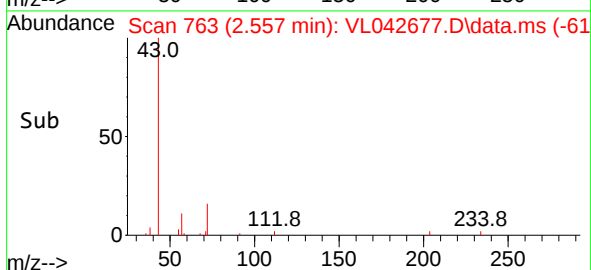
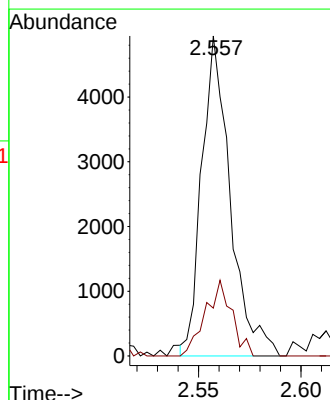
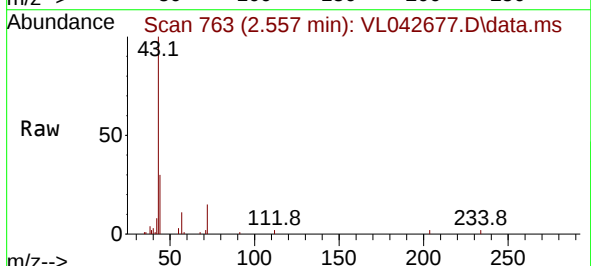
Acq: 27 Jun 2025 14:01

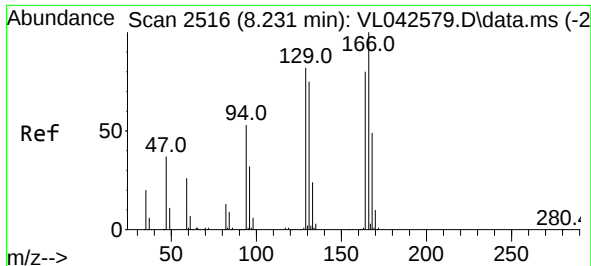
Tgt Ion: 43 Resp: 4788

Ion Ratio Lower Upper

43 100

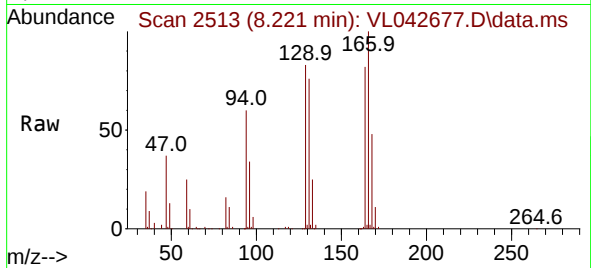
72 21.9 17.7 26.5





#52
Tetrachloroethene
Concen: 5.571 ppbv
RT: 8.221 min Scan# 2155
Delta R.T. -0.010 min
Lab File: VL042677.D
Acq: 27 Jun 2025 14:01

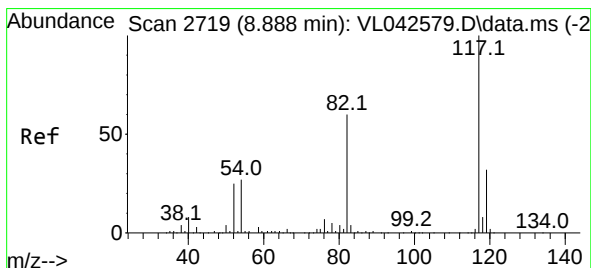
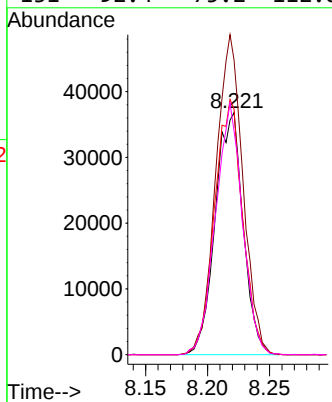
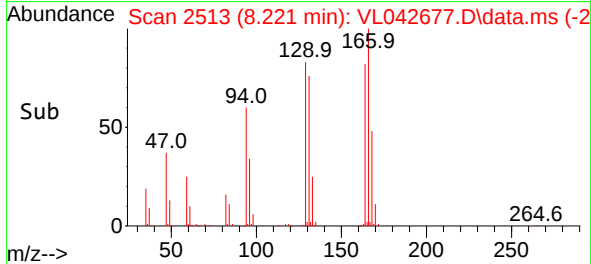
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:164 Resp: 5775
Ion Ratio Lower Upper
164 100
166 121.8 100.0 150.0
129 101.5 82.2 123.4
131 92.4 75.2 112.8

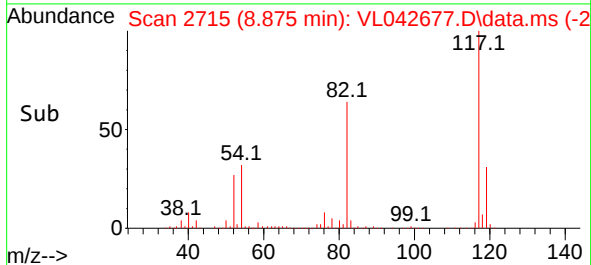
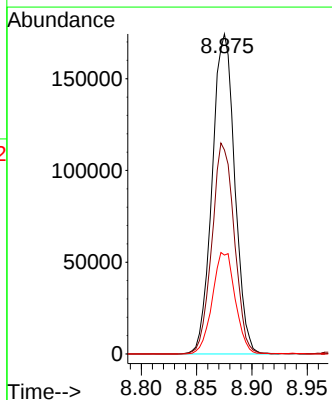
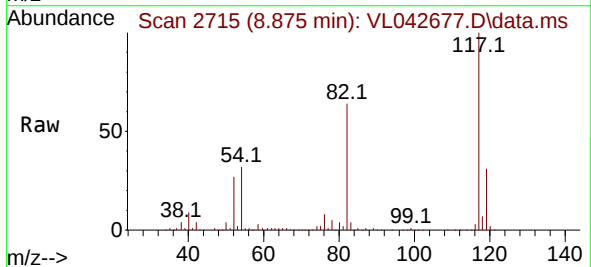
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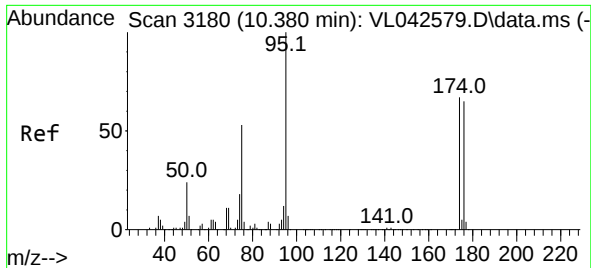
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.013 min
Lab File: VL042677.D
Acq: 27 Jun 2025 14:01

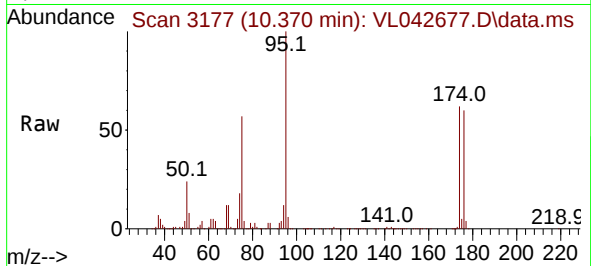
Tgt Ion:117 Resp: 247414
Ion Ratio Lower Upper
117 100
82 65.3 51.2 76.8
119 32.5 26.3 39.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.427 ppbv
 RT: 10.370 min Scan# 31
 Delta R.T. -0.010 min
 Lab File: VL042677.D
 Acq: 27 Jun 2025 14:01

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion: 95 Resp: 193390
 Ion Ratio Lower Upper
 95 100
 174 63.2 53.1 79.7
 175 4.9 4.2 6.2

Manual Integrations
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