

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
 Data File : VL042876.D
 Acq On : 22 Aug 2025 07:59
 Operator : SY/MD
 Sample : Q2887-03DL 4X
 Misc : 100mL/MSVOA_L
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 22 09:06:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 22 09:06:39 2025
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	126548	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	351580	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	295590	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	227310	10.254	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.500%
Target Compounds						
2) Dichlorodifluoromethane	1.495	85	2373	0.128	ppbv	96
4) Chloromethane	1.531	50	1052	0.141	ppbv #	86
9) Propene	1.486	41	2036m	0.230	ppbv	
13) Ethanol	1.722	45	477720	590.131	ppbv	90
15) Acetone	1.835	43	39353	2.351	ppbv	100
19) Isopropyl Alcohol	1.887	45	106901	10.692	ppbv #	36
20) Methylene Chloride	2.062	84	14802	2.111	ppbv #	91
26) Hexane	2.826	57	26721	1.429	ppbv #	47
34) 2-Butanone	2.564	43	3168	0.133	ppbv	98
53) Toluene	6.930	91	5045m	0.126	ppbv	

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

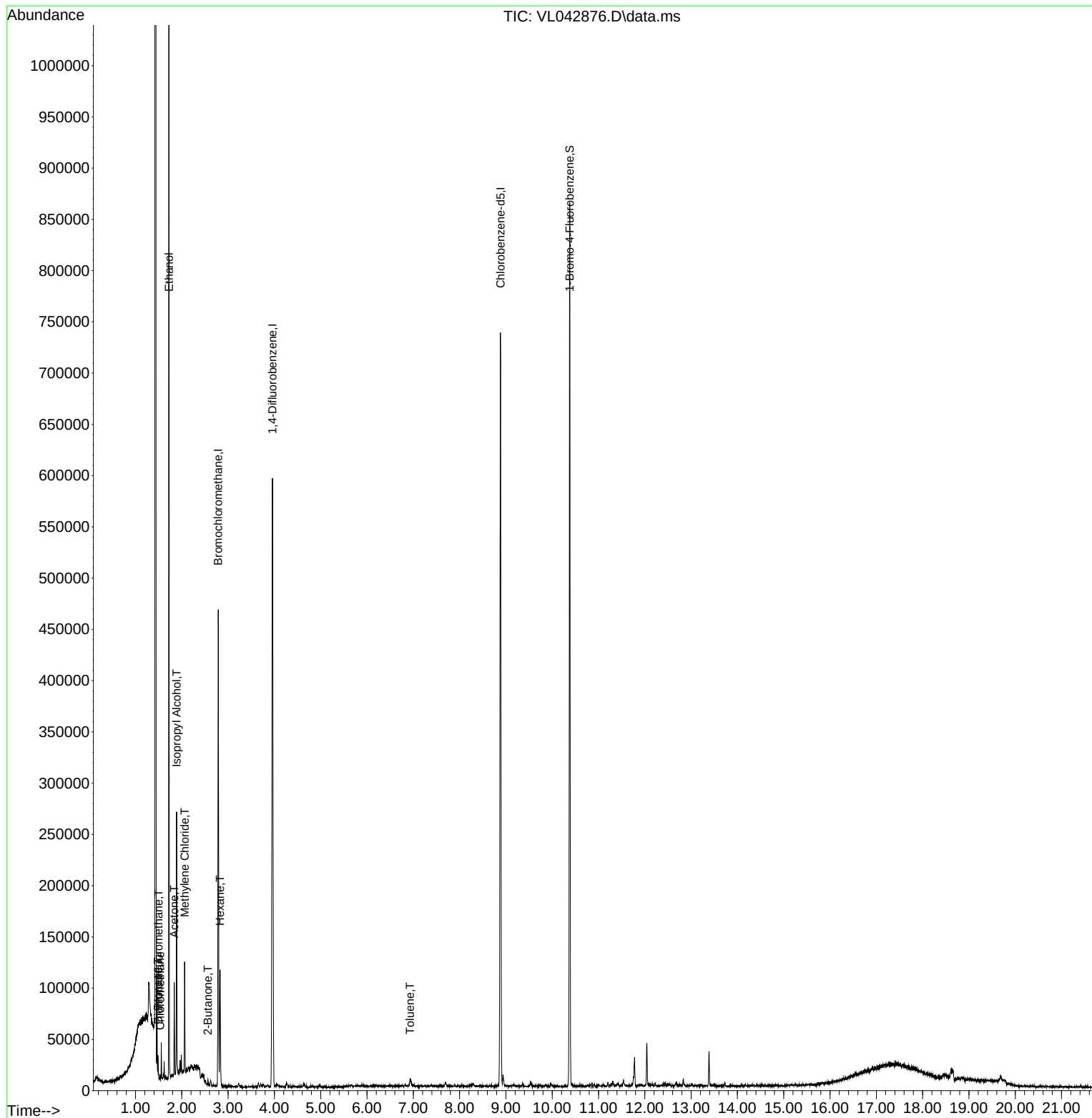
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
Data File : VL042876.D
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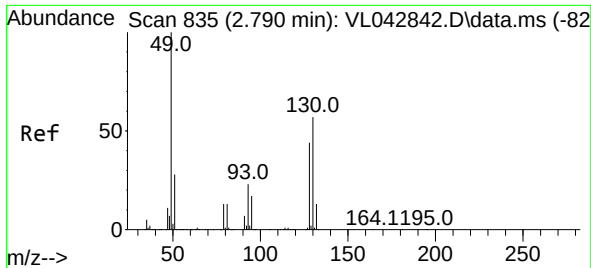
Instrument :
MSVOA_L
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Quant Time: Aug 22 09:06:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
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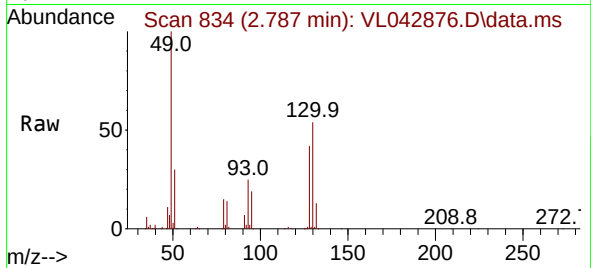
Reviewed By : Mahesh Dadoda 08/25/2025
Supervised By : Semsettin Yesilyurt 08/25/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 835
Delta R.T. -0.003 min
Lab File: VL042876.D
Acq: 22 Aug 2025 07:59

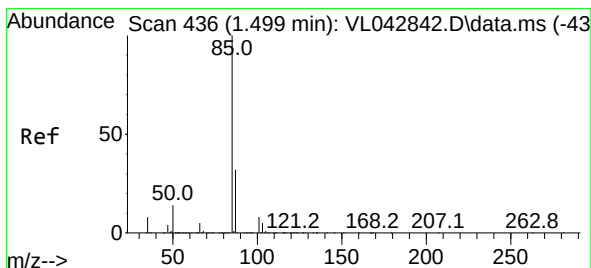
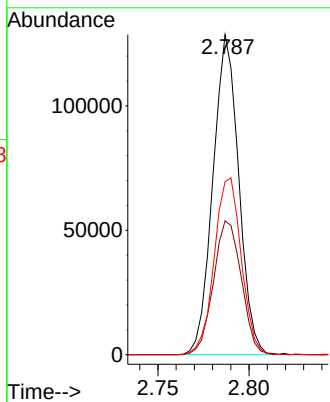
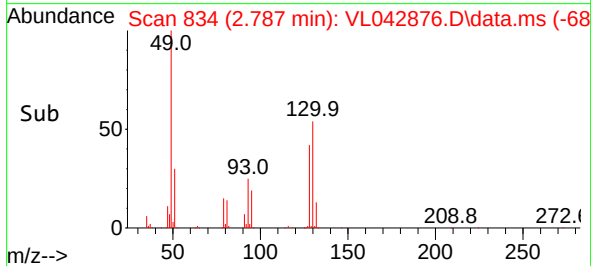
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



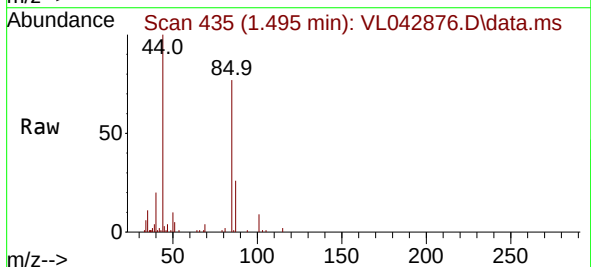
Tgt Ion: 49 Resp: 126548
Ion Ratio Lower Upper
49 100
128 45.2 23.7 71.1
130 58.0 30.6 91.6

Manual Integrations
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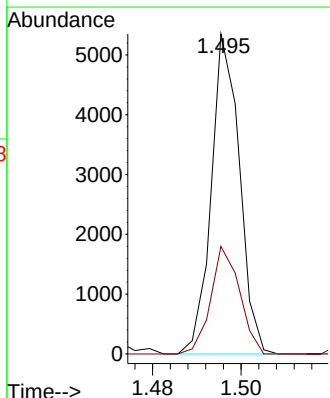
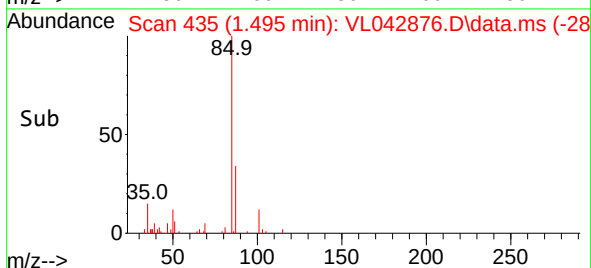
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

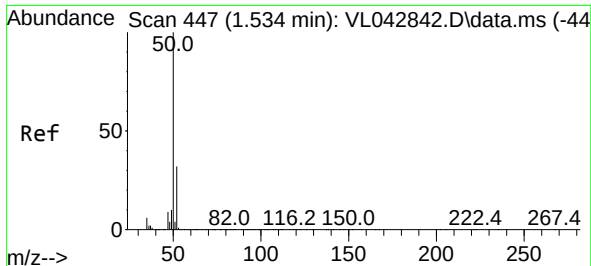


#2
Dichlorodifluoromethane
Concen: 0.128 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042876.D
Acq: 22 Aug 2025 07:59



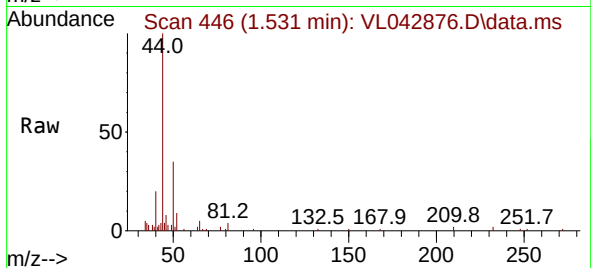
Tgt Ion: 85 Resp: 2373
Ion Ratio Lower Upper
85 100
87 33.6 25.3 37.9





#4
Chloromethane
Concen: 0.141 ppbv
RT: 1.531 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL042876.D
Acq: 22 Aug 2025 07:59

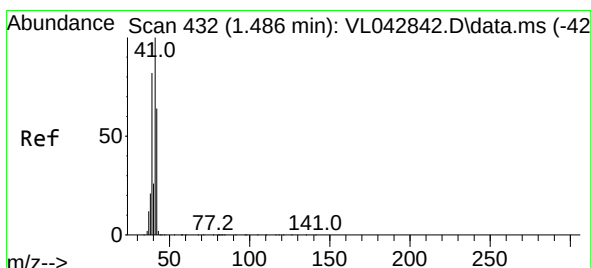
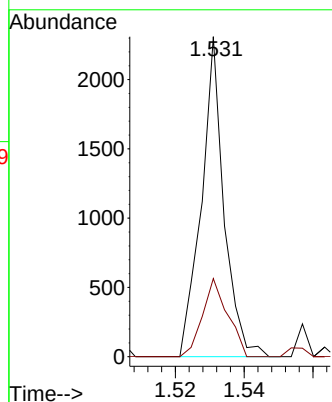
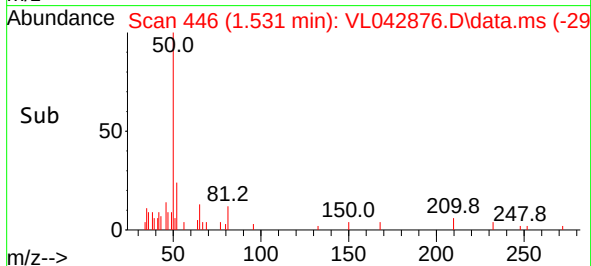
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 50 Resp: 1052
Ion Ratio Lower Upper
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52 24.4 25.9 38.9

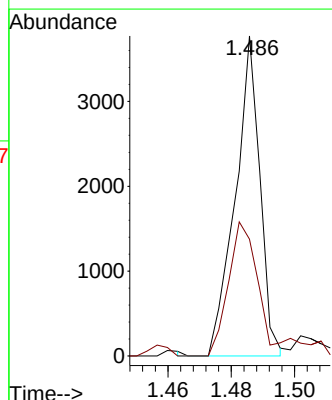
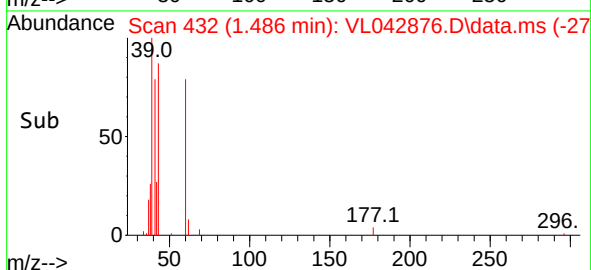
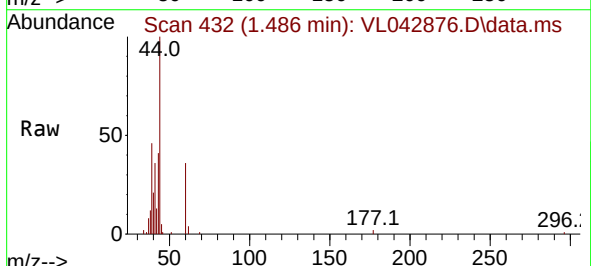
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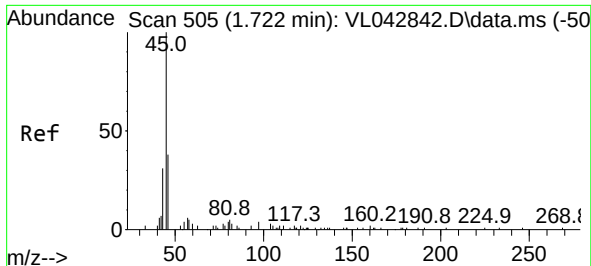
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#9
Propene
Concen: 0.230 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. -0.000 min
Lab File: VL042876.D
Acq: 22 Aug 2025 07:59

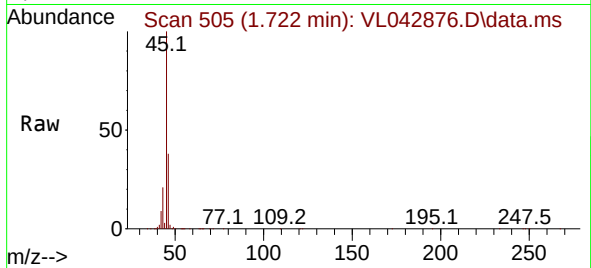
Tgt Ion: 41 Resp: 2036
Ion Ratio Lower Upper
41 100
42 0.0 53.0 79.4





#13
Ethanol
Concen: 590.131 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042876.D
Acq: 22 Aug 2025 07:59

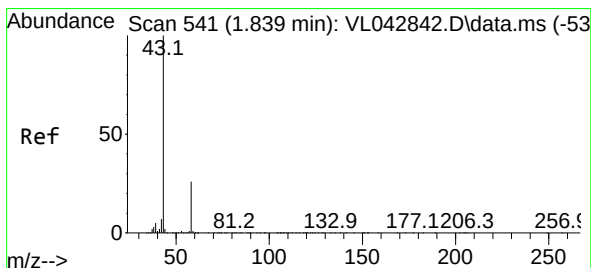
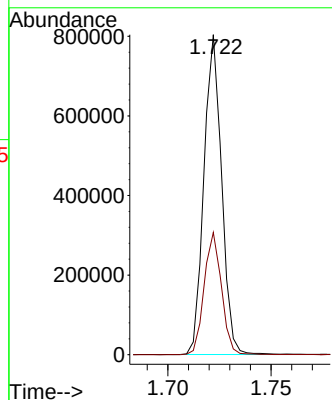
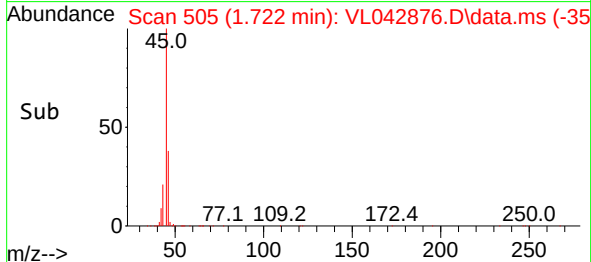
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



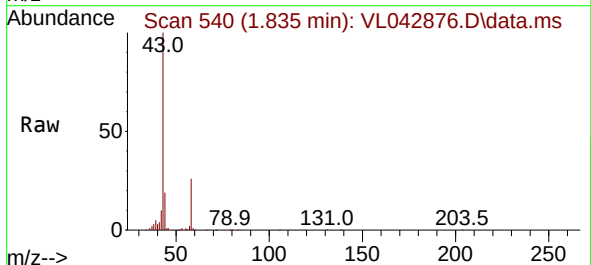
Tgt Ion: 45 Resp: 477720
Ion Ratio Lower Upper
45 100
46 37.6 17.5 69.9

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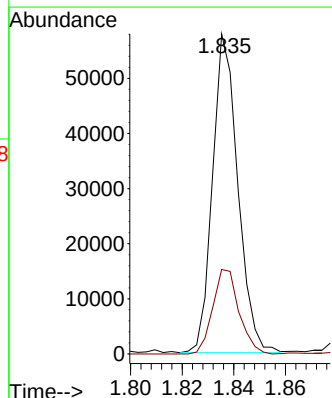
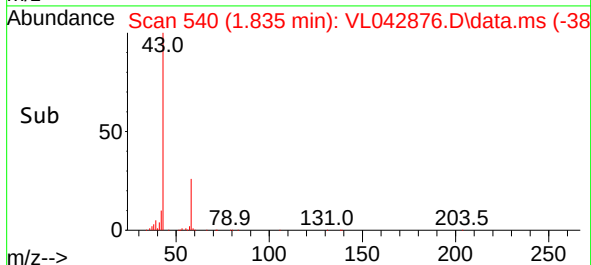
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

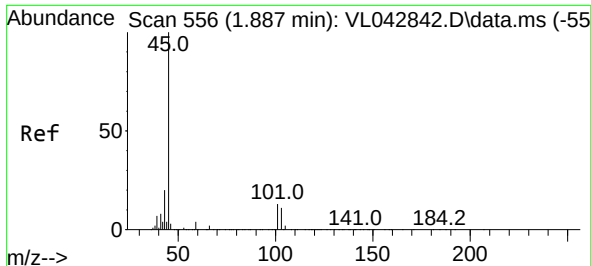


#15
Acetone
Concen: 2.351 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.003 min
Lab File: VL042876.D
Acq: 22 Aug 2025 07:59



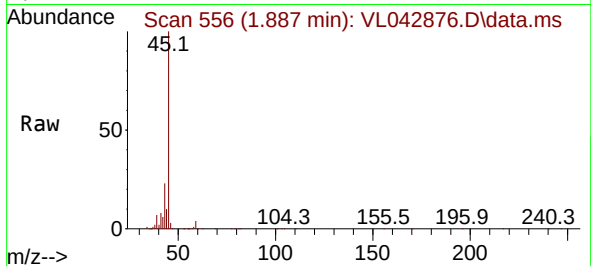
Tgt Ion: 43 Resp: 39353
Ion Ratio Lower Upper
43 100
58 27.8 22.4 33.6





#19
Isopropyl Alcohol
Concen: 10.692 ppbv
RT: 1.887 min Scan# 510
Delta R.T. -0.000 min
Lab File: VL042876.D
Acq: 22 Aug 2025 07:59

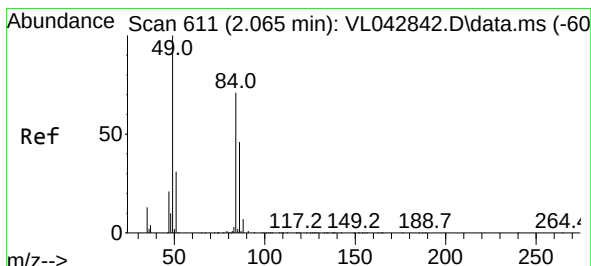
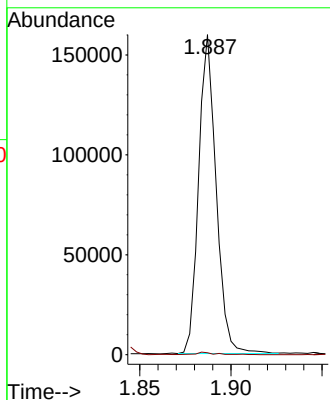
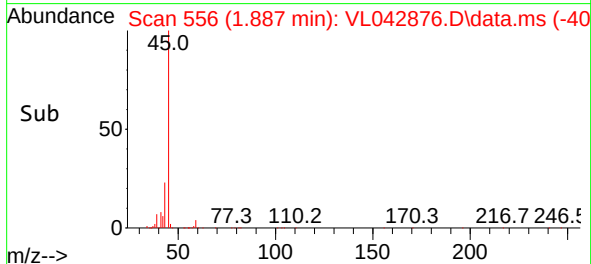
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



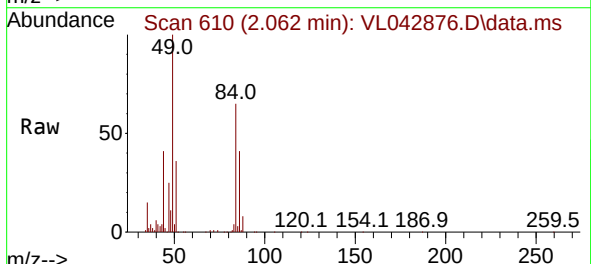
Tgt Ion: 45 Resp: 106900
Ion Ratio Lower Upper
45 100
58 0.8 32.7 49.1

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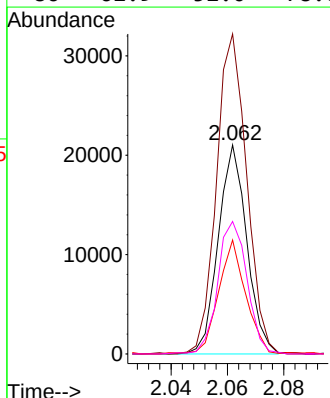
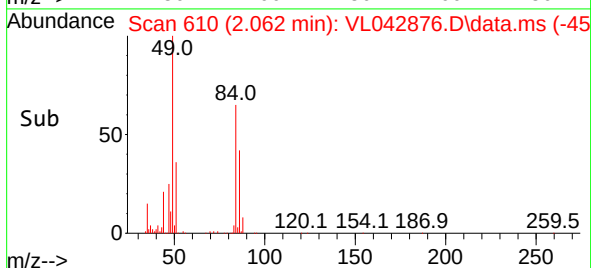
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

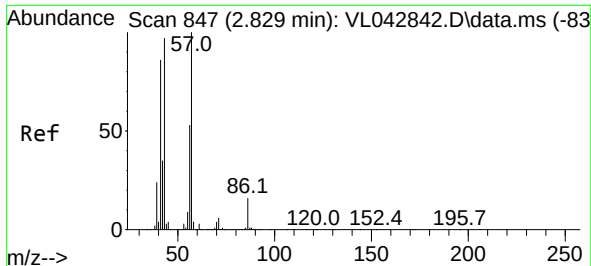


#20
Methylene Chloride
Concen: 2.111 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL042876.D
Acq: 22 Aug 2025 07:59



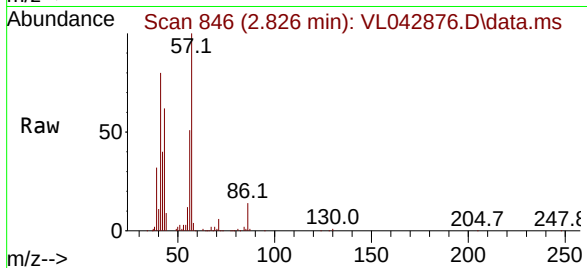
Tgt Ion: 84 Resp: 14802
Ion Ratio Lower Upper
84 100
49 152.8 112.3 168.5
51 54.2 36.0 54.0
86 62.9 52.0 78.0





#26
Hexane
Concen: 1.429 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042876.D
Acq: 22 Aug 2025 07:59

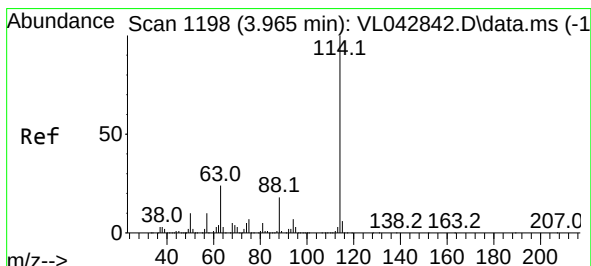
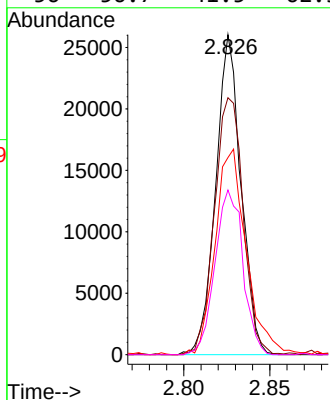
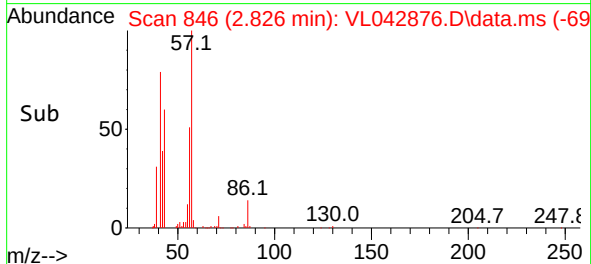
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 57 Resp: 2672
Ion Ratio Lower Upper
57 100
41 91.9 68.6 103.0
43 79.5 168.5 252.7
56 56.7 41.5 62.3

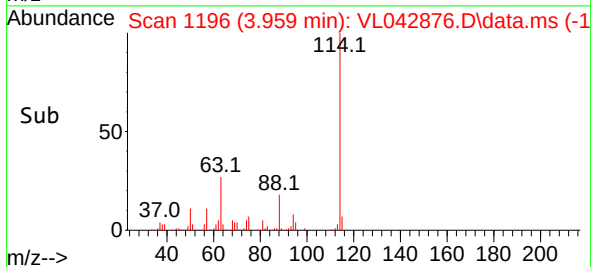
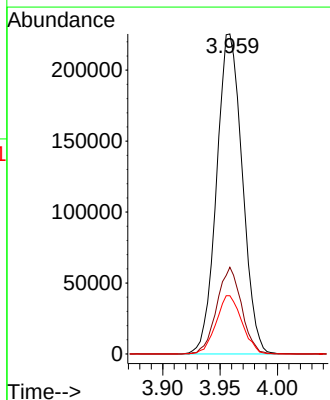
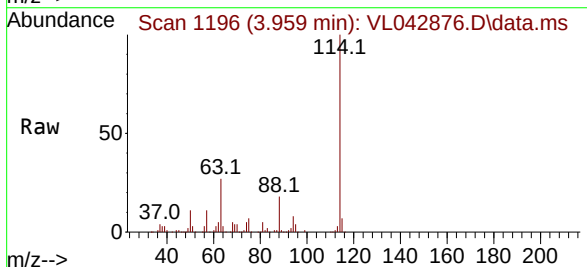
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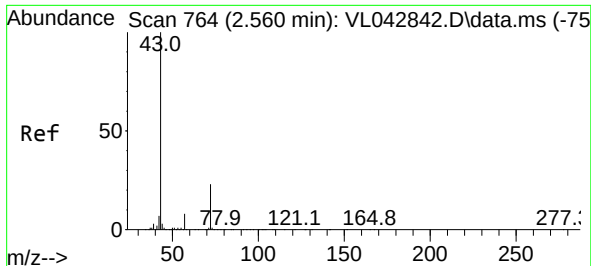
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.007 min
Lab File: VL042876.D
Acq: 22 Aug 2025 07:59

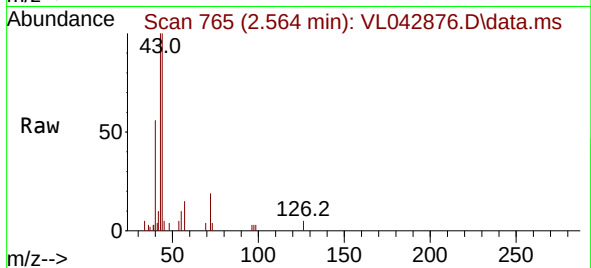
Tgt Ion:114 Resp: 351580
Ion Ratio Lower Upper
114 100
63 26.1 19.7 29.5
88 18.3 14.4 21.6





#34
2-Butanone
Concen: 0.133 ppbv
RT: 2.564 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL042876.D
Acq: 22 Aug 2025 07:59

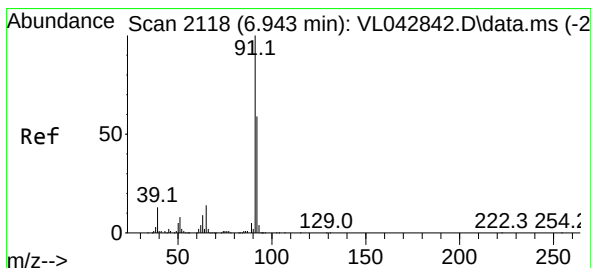
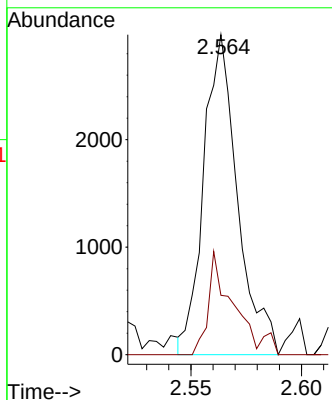
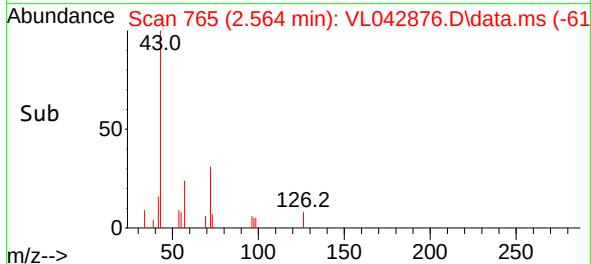
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 43 Resp: 3168
Ion Ratio Lower Upper
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72 24.4 18.6 28.0

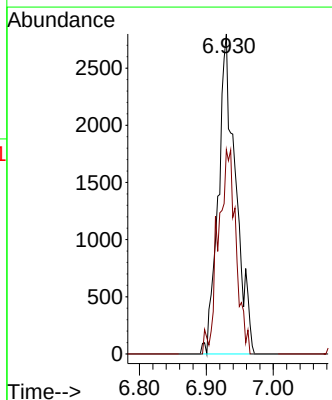
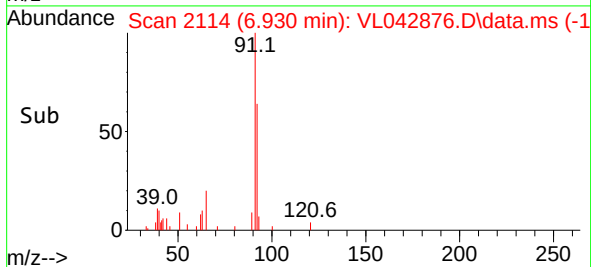
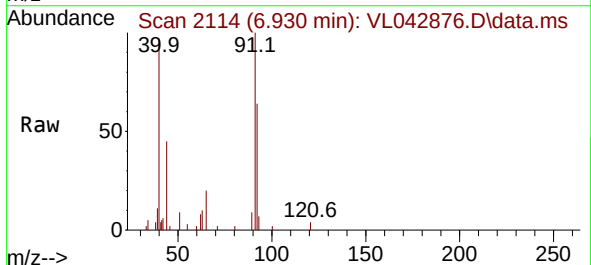
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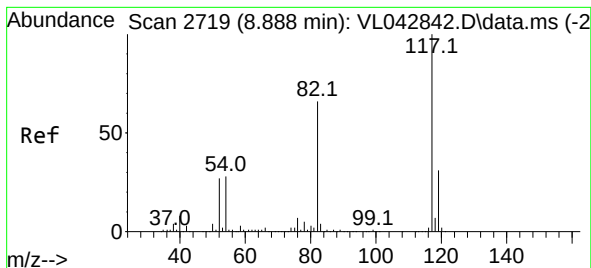
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#53
Toluene
Concen: 0.126 ppbv m
RT: 6.930 min Scan# 2114
Delta R.T. -0.013 min
Lab File: VL042876.D
Acq: 22 Aug 2025 07:59

Tgt Ion: 91 Resp: 5045
Ion Ratio Lower Upper
91 100
92 65.4 47.8 71.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.881 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL042876.D

Acq: 22 Aug 2025 07:59

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

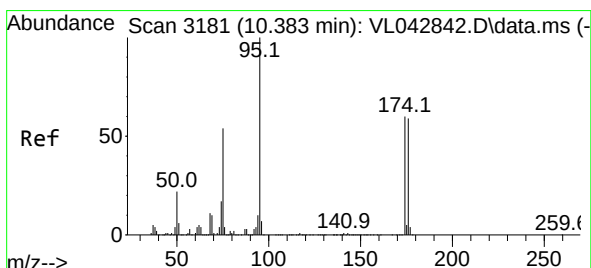
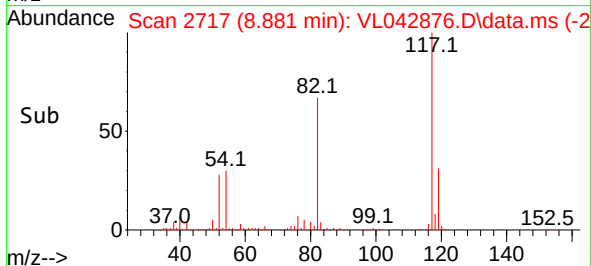
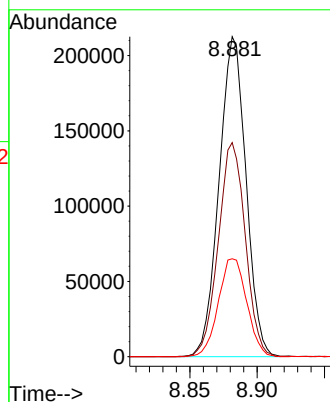
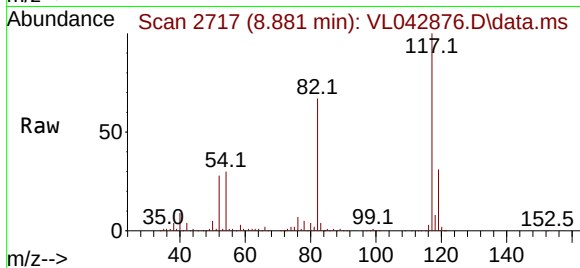
Tgt Ion:117 Resp: 295590

Ion	Ratio	Lower	Upper
117	100		
82	67.1	54.6	81.8
119	32.3	25.9	38.9

Manual Integrations

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Supervised By :Semsettin Yesilyurt 08/25/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.254 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. -0.007 min

Lab File: VL042876.D

Acq: 22 Aug 2025 07:59

Tgt Ion: 95 Resp: 227310

Ion	Ratio	Lower	Upper
95	100		
174	54.9	48.4	72.6
175	4.0	3.8	5.8

