

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041850.D
 Acq On : 07 Jan 2025 18:34
 Operator : SY/MD
 Sample : Q1031-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025

Quant Time: Jan 08 03:56:49 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M

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

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	80241	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	175258	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	151253	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	137792	10.637	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.400%
Target Compounds						
					Qvalue	
9) Propene	1.492	41	2353	0.537	ppbv	85
13) Ethanol	1.729	45	450m	0.782	ppbv	
15) Acetone	1.845	43	6867	0.465	ppbv	99
20) Methylene Chloride	2.072	84	777	0.184	ppbv #	82
26) Hexane	2.839	57	2339	0.272	ppbv #	33
29) Chloroform	2.861	83	4481	0.281	ppbv	95
34) 2-Butanone	2.577	43	1415	0.102	ppbv #	88
52) Tetrachloroethene	8.234	164	589m	0.119	ppbv	

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

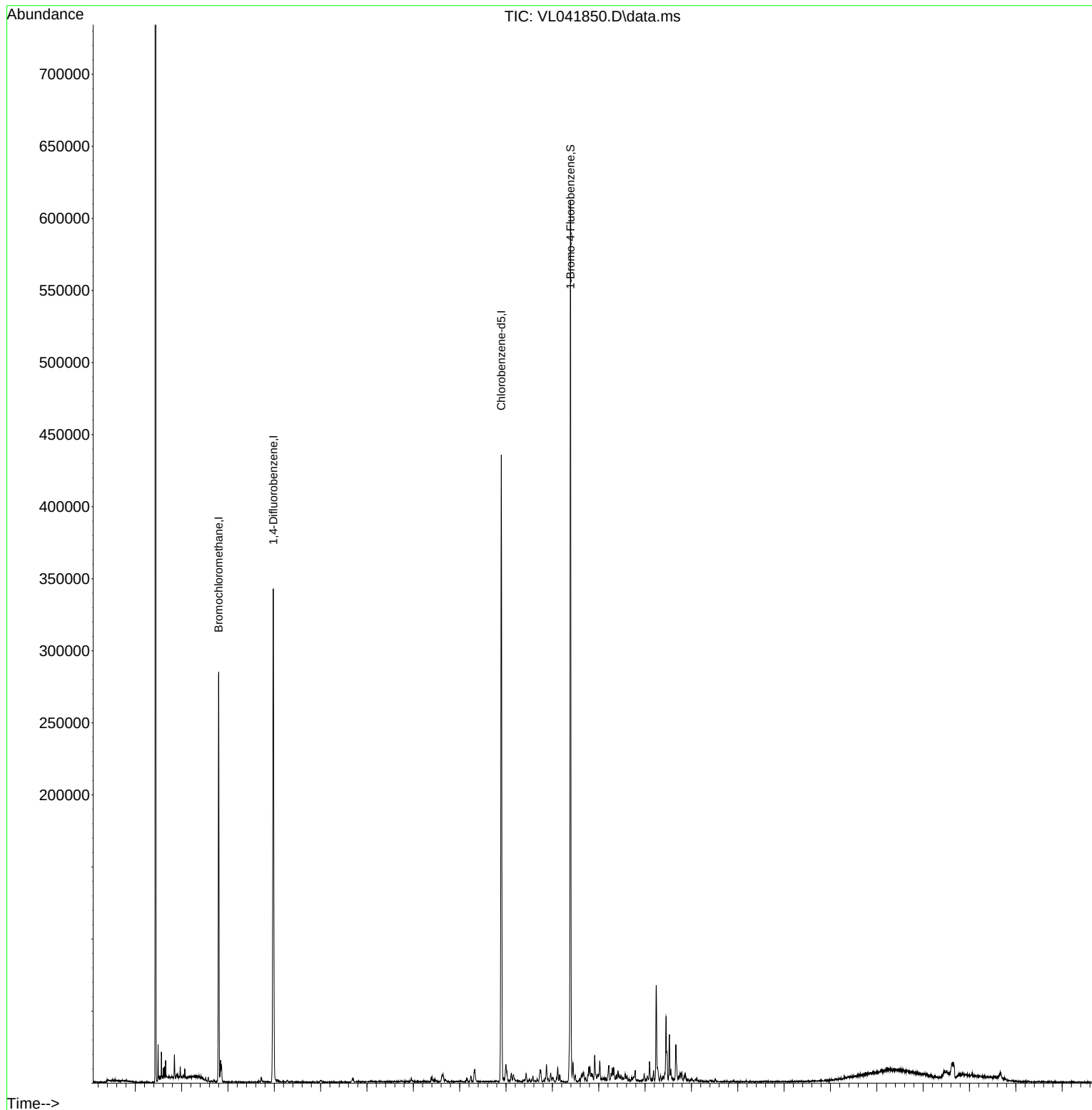
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041850.D
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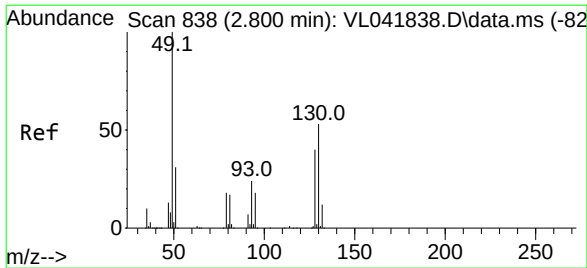
Instrument :
MSVOA_L
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SV1DL

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
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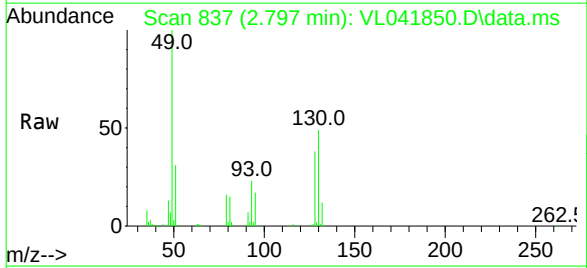
Reviewed By : Semsettin Yesilyurt 01/09/2025
Supervised By : Mahesh Dadoda 01/09/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 83
Delta R.T. -0.003 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

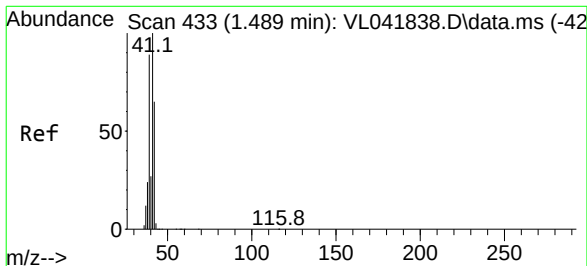
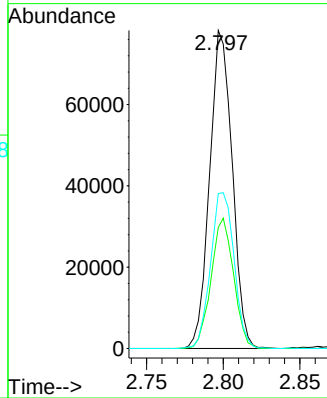
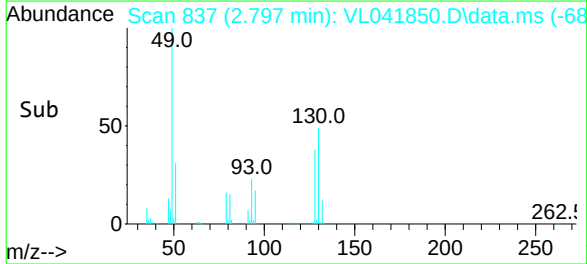
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 80241
Ion Ratio Lower Upper
49 100
128 40.9 19.7 59.1
130 51.1 26.4 79.2

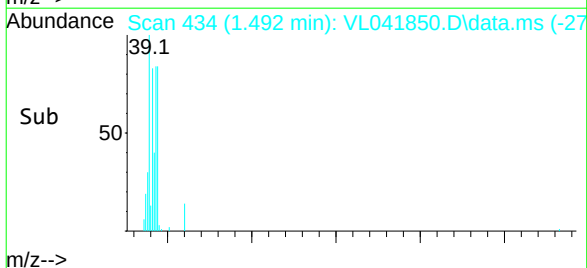
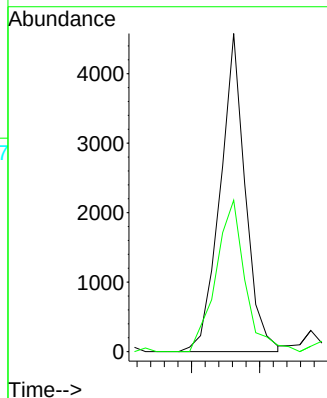
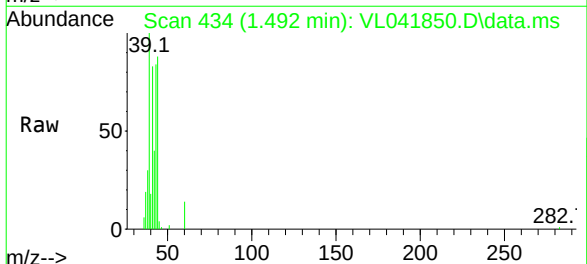
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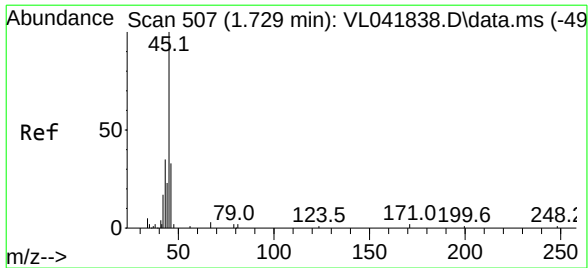
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#9
Propene
Concen: 0.537 ppbv
RT: 1.492 min Scan# 434
Delta R.T. 0.003 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

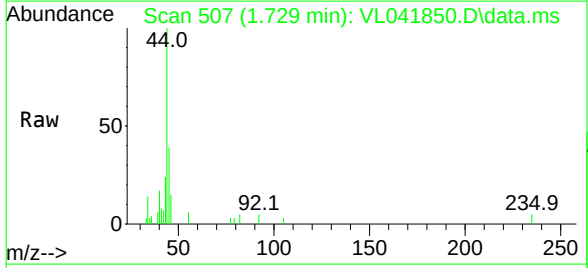
Tgt Ion: 41 Resp: 2353
Ion Ratio Lower Upper
41 100
42 55.6 53.9 80.9





#13
Ethanol
Concen: 0.782 ppbv m
RT: 1.729 min Scan# 50
Delta R.T. 0.000 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

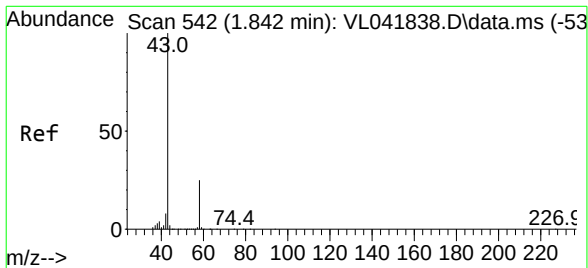
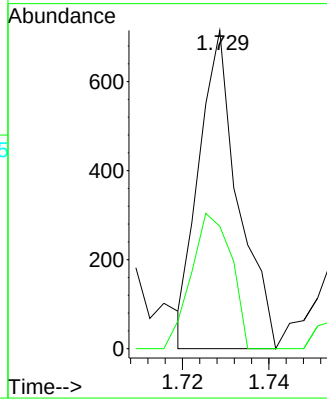
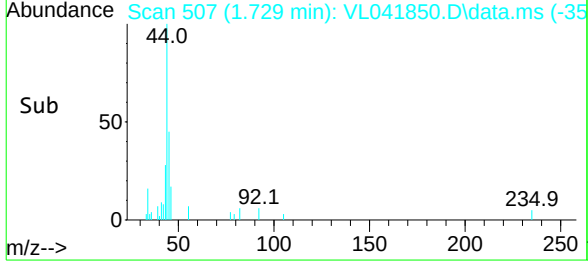
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 45 Resp: 450
Ion Ratio Lower Upper
45 100
46 5943.3 14.6 58.2

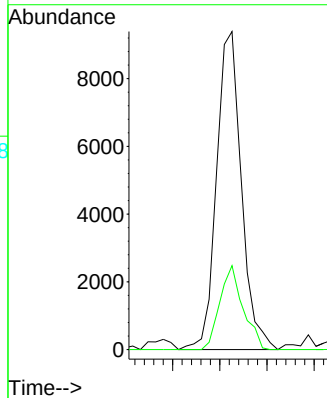
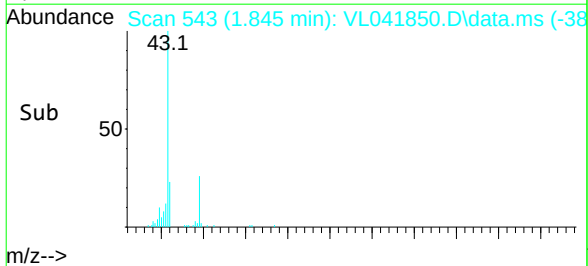
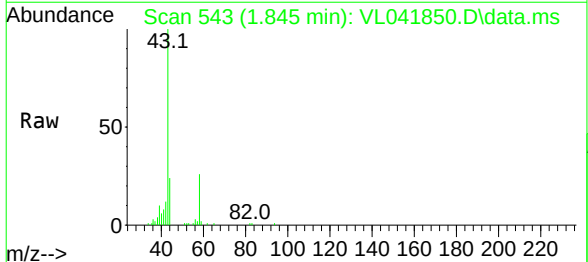
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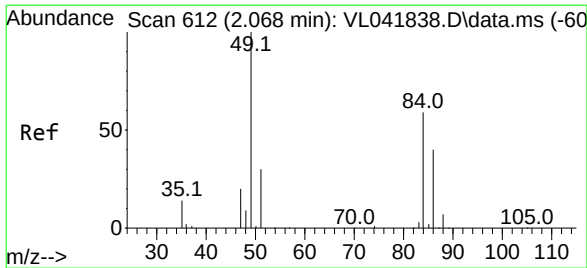
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#15
Acetone
Concen: 0.465 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

Tgt Ion: 43 Resp: 6867
Ion Ratio Lower Upper
43 100
58 24.7 20.2 30.4





#20

Methylene Chloride

Concen: 0.184 ppbv

RT: 2.072 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041850.D

Acq: 07 Jan 2025 18:34

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 84 Resp: 777

Ion Ratio Lower Upper

84 100

49 145.4 137.8 206.8

51 42.5 43.9 65.9#

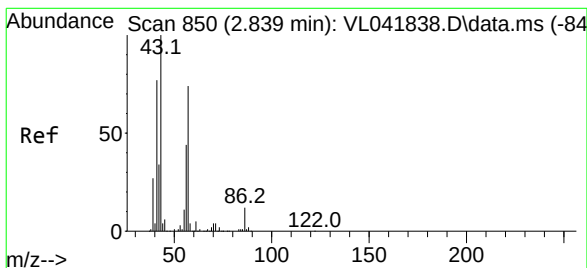
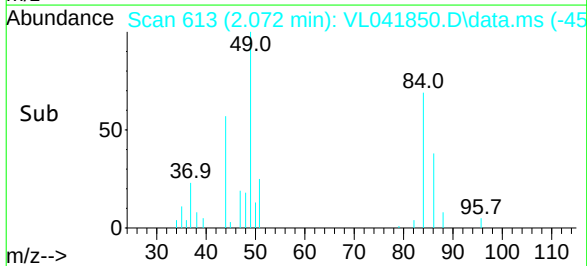
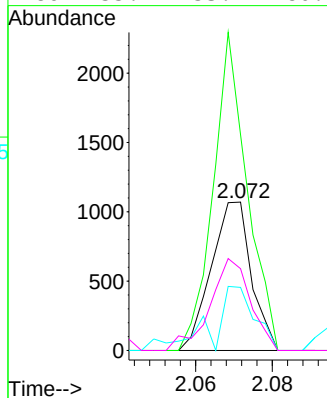
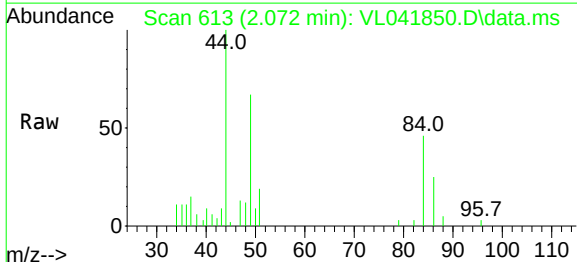
86 55.1 53.9 80.9

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#26

Hexane

Concen: 0.272 ppbv

RT: 2.839 min Scan# 850

Delta R.T. 0.000 min

Lab File: VL041850.D

Acq: 07 Jan 2025 18:34

Tgt Ion: 57 Resp: 2339

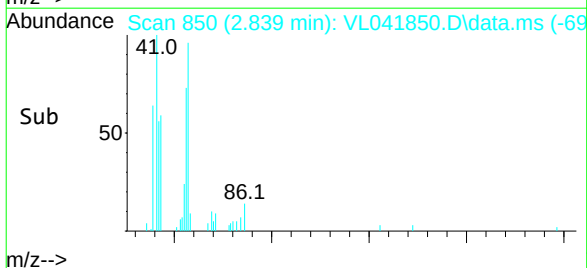
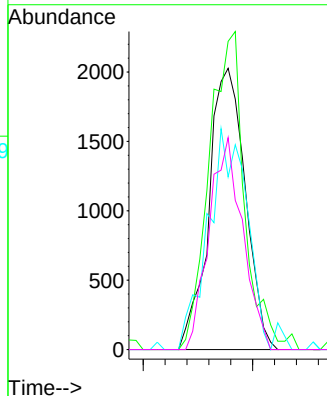
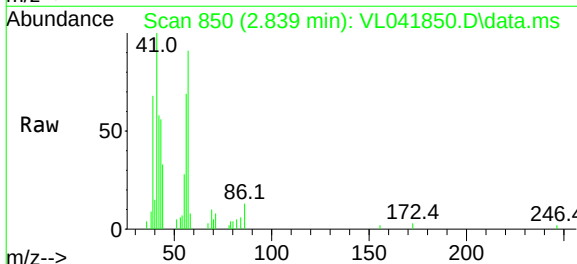
Ion Ratio Lower Upper

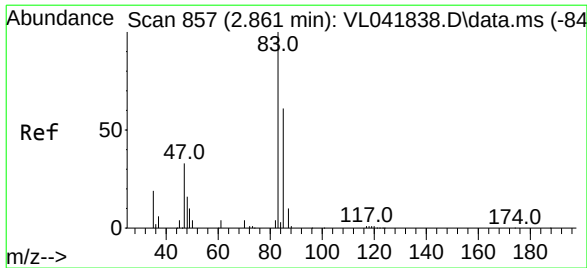
57 100

41 111.8 84.0 126.0

43 86.8 218.4 327.6#

56 69.4 45.7 68.5#





#29

Chloroform

Concen: 0.281 ppbv

RT: 2.861 min Scan# 85

Delta R.T. 0.000 min

Lab File: VL041850.D

Acq: 07 Jan 2025 18:34

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 83 Resp: 4481

Ion Ratio Lower Upper

83 100

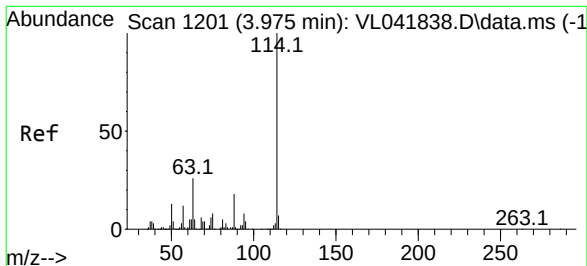
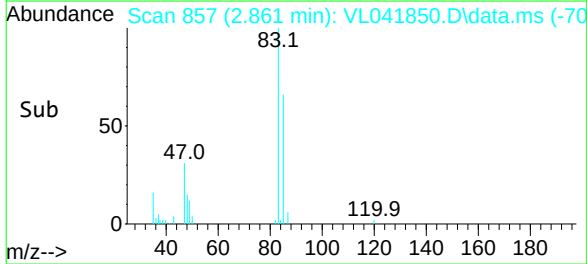
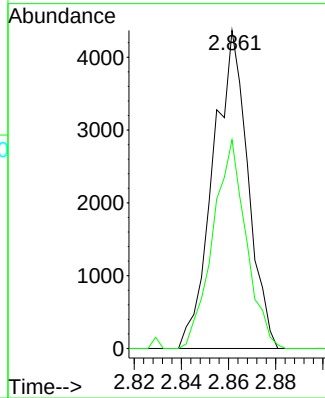
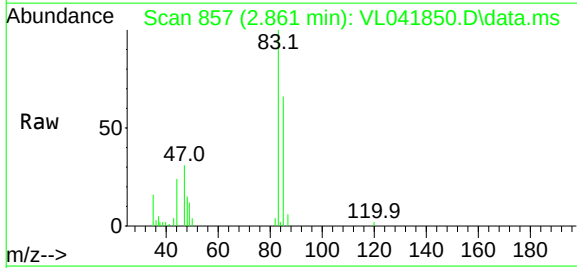
85 65.6 49.6 74.4

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Supervised By :Mahesh Dadoda 01/09/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 1202

Delta R.T. 0.003 min

Lab File: VL041850.D

Acq: 07 Jan 2025 18:34

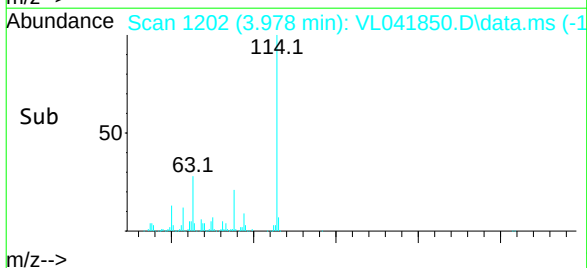
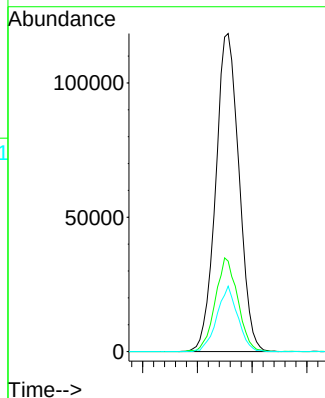
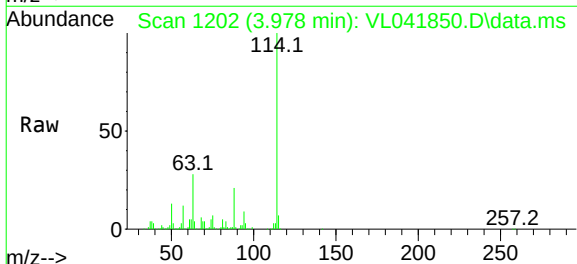
Tgt Ion:114 Resp: 175258

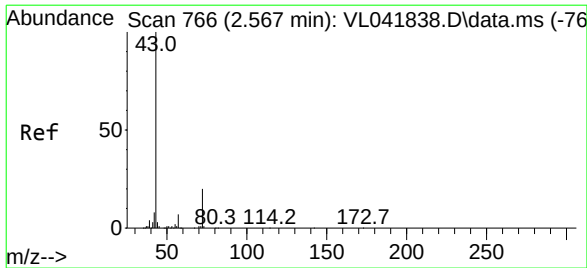
Ion Ratio Lower Upper

114 100

63 28.5 22.3 33.5

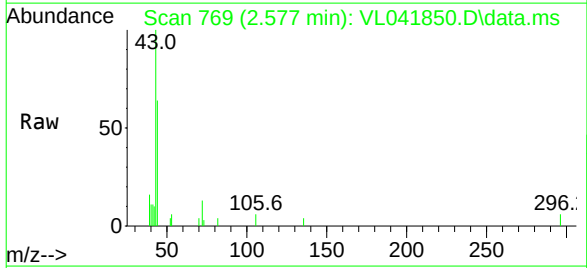
88 18.4 14.9 22.3





#34
2-Butanone
Concen: 0.102 ppbv
RT: 2.577 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

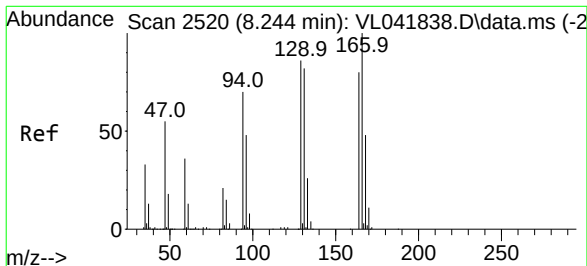
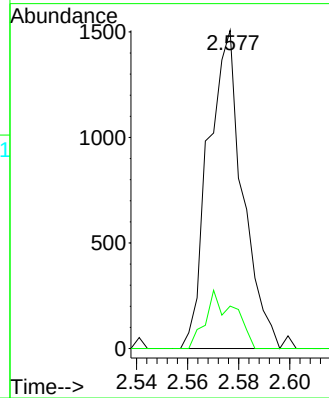
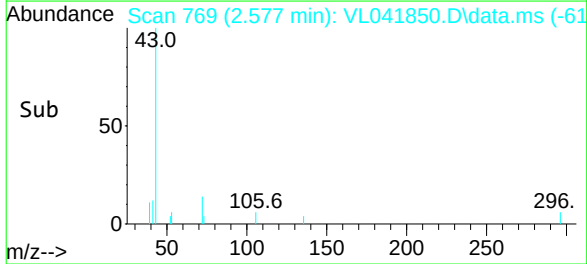
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



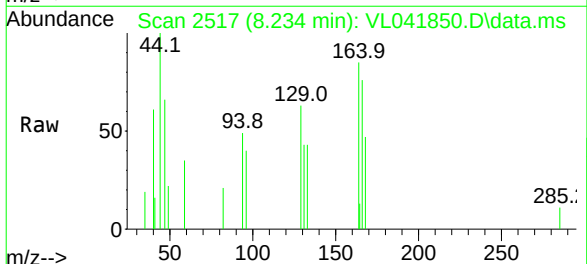
Tgt Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
72 15.2 16.6 25.0#

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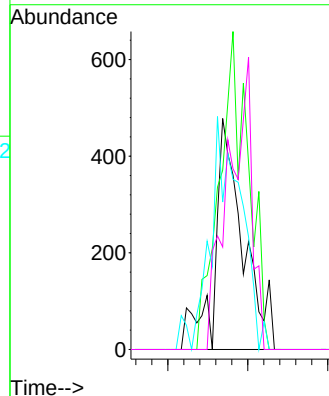
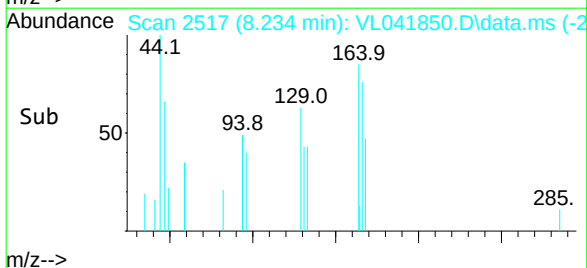
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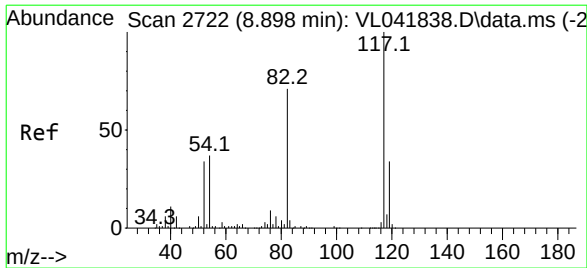


#52
Tetrachloroethene
Concen: 0.119 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. -0.010 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34



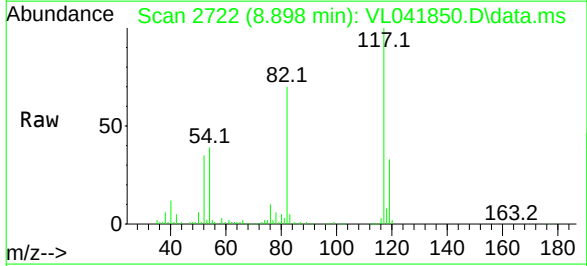
Tgt Ion:164 Resp: 589
Ion Ratio Lower Upper
164 100
166 89.6 100.4 150.6#
129 73.7 85.9 128.9#
131 51.2 82.8 124.2#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. 0.000 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

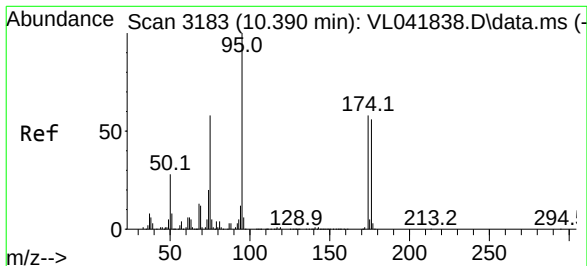
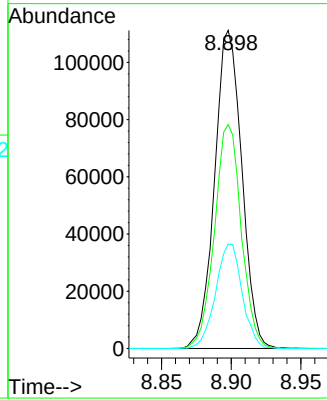
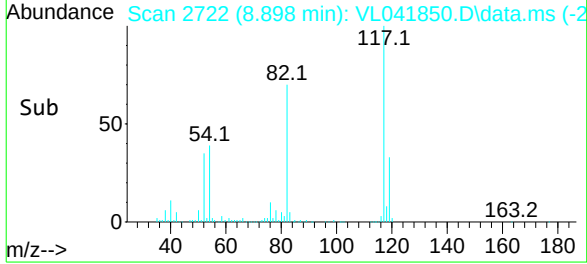
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 117 Resp: 151253
Ion Ratio Lower Upper
117 100
82 69.2 59.1 88.7
119 32.1 27.3 40.9

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.637 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. 0.000 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

Tgt Ion: 95 Resp: 137792
Ion Ratio Lower Upper
95 100
174 58.7 47.6 71.4
175 3.7 3.8 5.6

