

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043101.D
 Acq On : 09 Oct 2025 22:58
 Operator : SY/MD
 Sample : Q3320-08DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 23:49:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	170025	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	427891	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	411008	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	366115	12.365	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	123.700%
Target Compounds						
					Qvalue	
13) Ethanol	1.716	45	972m	1.130	ppbv	
15) Acetone	1.829	43	137084	5.758	ppbv	100
20) Methylene Chloride	2.052	84	2512	0.242	ppbv #	90
26) Hexane	2.813	57	9710	0.423	ppbv #	28
34) 2-Butanone	2.551	43	3385m	0.117	ppbv	
52) Tetrachloroethene	8.205	164	670m	0.044	ppbv	

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

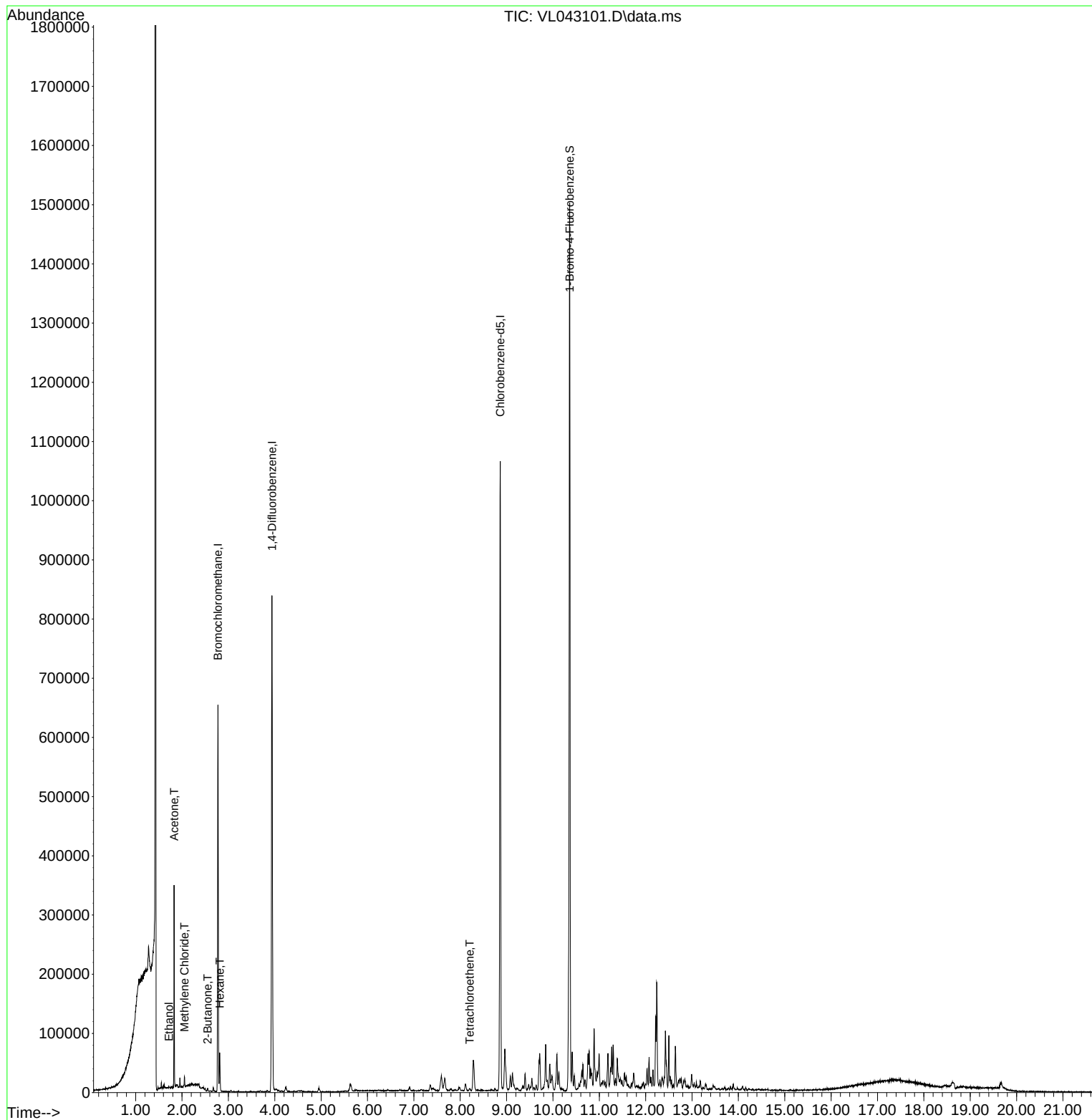
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
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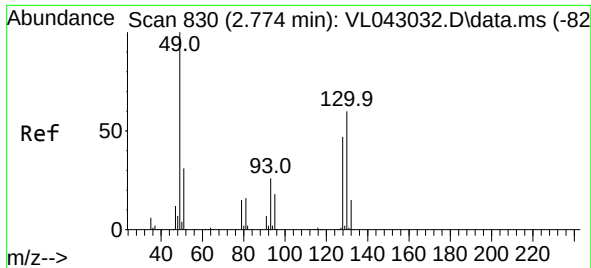
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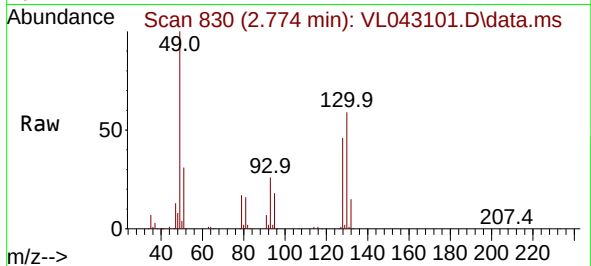
Quant Time: Oct 09 23:49:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 830
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

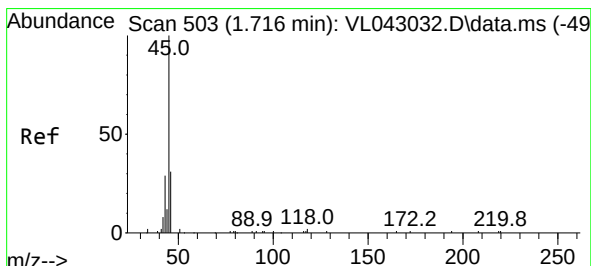
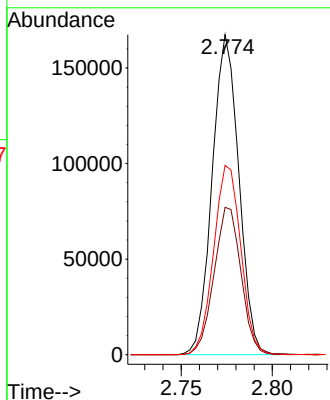
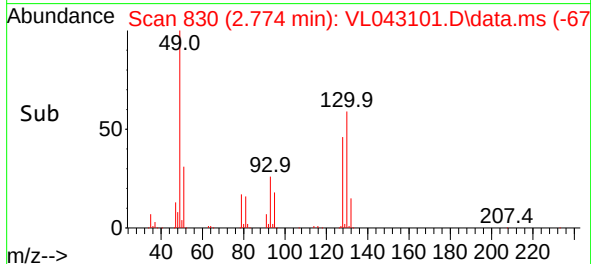
Instrument :
MSVOA_L
ClientSampleId :
SV4DL



Tgt Ion: 49 Resp: 170025
Ion Ratio Lower Upper
49 100
128 46.7 24.1 72.2
130 60.4 31.4 94.3

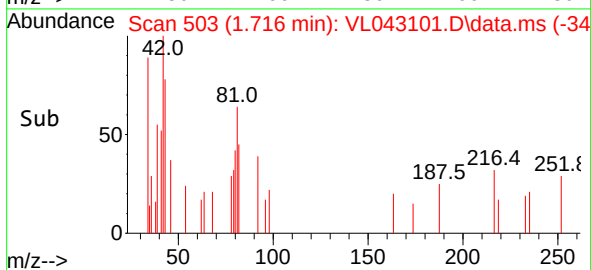
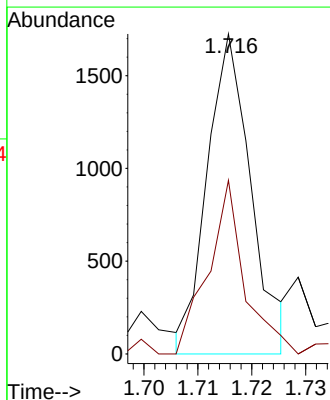
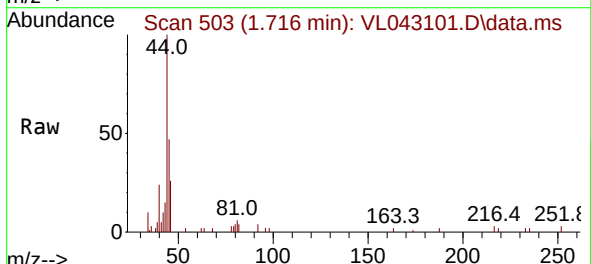
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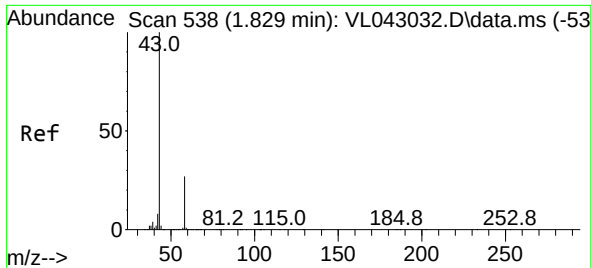
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#13
Ethanol
Concen: 1.130 ppbv m
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

Tgt Ion: 45 Resp: 972
Ion Ratio Lower Upper
45 100
46 6990.9 17.8 71.4#





#15

Acetone

Concen: 5.758 ppbv

RT: 1.829 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL043101.D

Acq: 09 Oct 2025 22:58

Instrument :

MSVOA_L

ClientSampleId :

SV4DL

Tgt Ion: 43 Resp: 137084

Ion Ratio Lower Upper

43 100

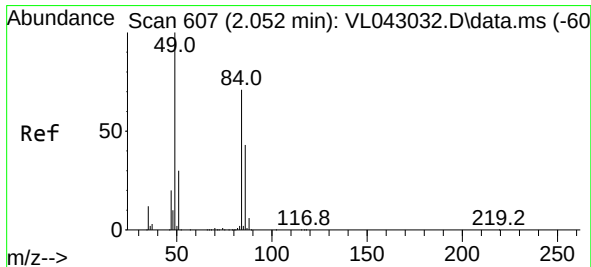
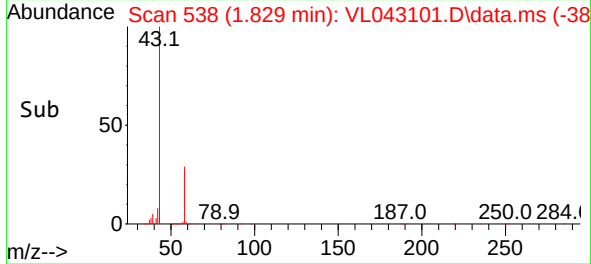
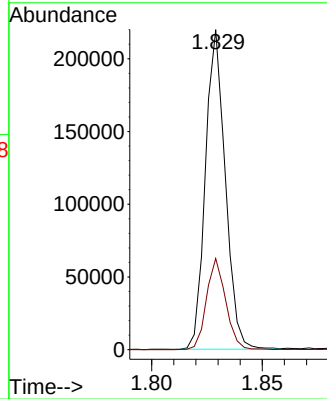
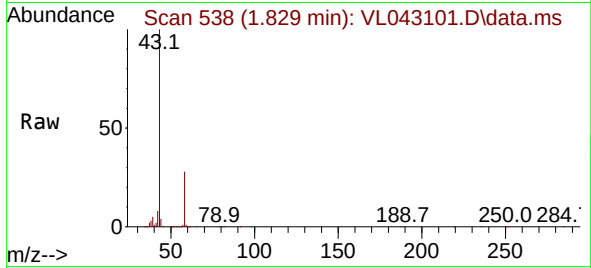
58 27.8 22.2 33.4

Manual Integrations

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Supervised By :Mahesh Dadoda 10/10/2025



#20

Methylene Chloride

Concen: 0.242 ppbv

RT: 2.052 min Scan# 607

Delta R.T. 0.000 min

Lab File: VL043101.D

Acq: 09 Oct 2025 22:58

Tgt Ion: 84 Resp: 2512

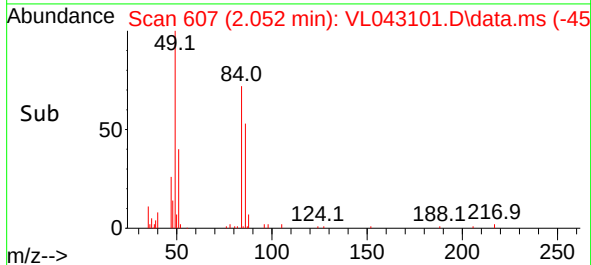
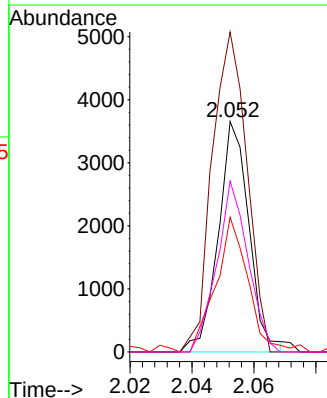
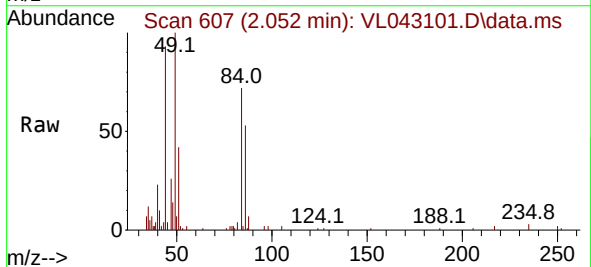
Ion Ratio Lower Upper

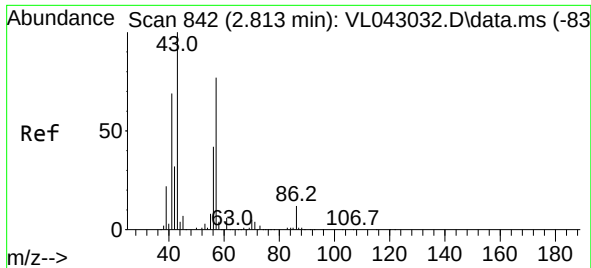
84 100

49 138.9 112.5 168.7

51 58.5 34.2 51.2#

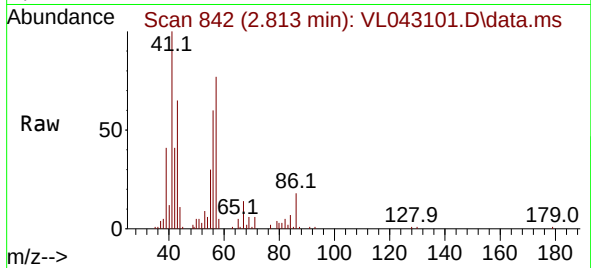
86 74.2 48.4 72.6#





#26
Hexane
Concen: 0.423 ppbv
RT: 2.813 min Scan# 842
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

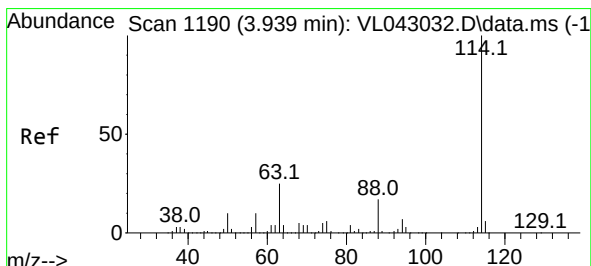
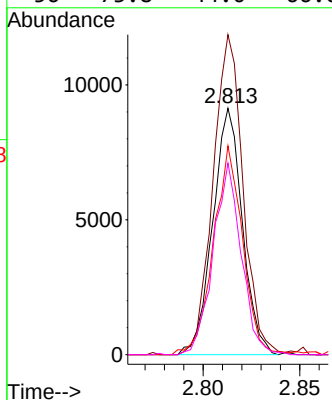
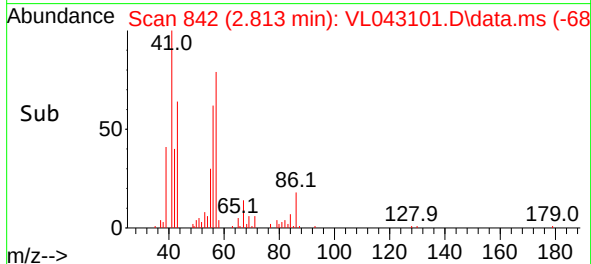
Instrument :
MSVOA_L
ClientSampleId :
SV4DL



Tgt Ion: 57 Resp: 9710
Ion Ratio Lower Upper
57 100
41 132.4 76.1 114.1
43 84.3 201.4 302.0
56 73.8 44.0 66.0

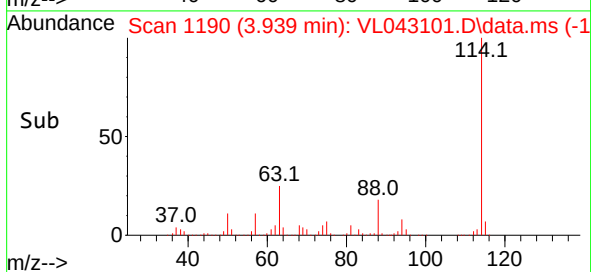
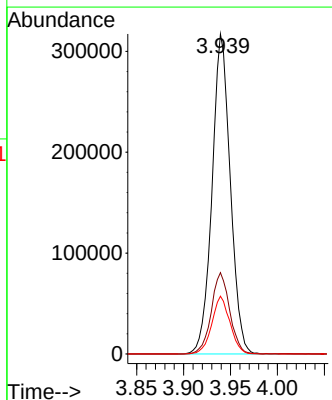
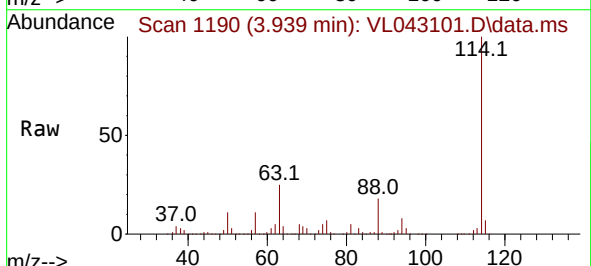
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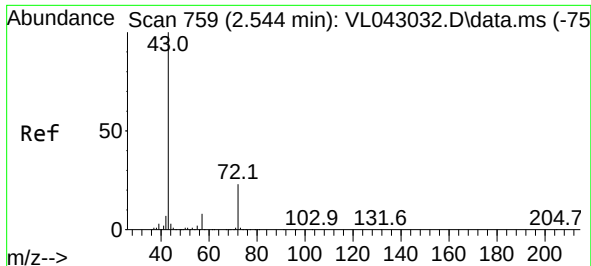
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.939 min Scan# 1190
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

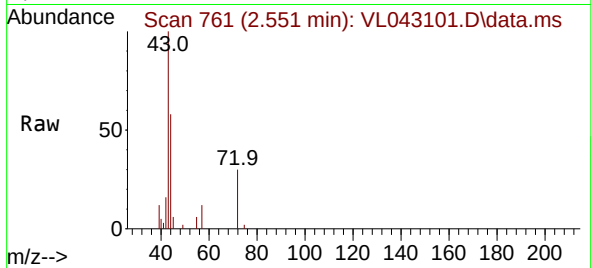
Tgt Ion:114 Resp: 427891
Ion Ratio Lower Upper
114 100
63 25.7 19.4 29.2
88 17.9 13.9 20.9





#34
2-Butanone
Concen: 0.117 ppbv m
RT: 2.551 min Scan# 759
Delta R.T. 0.006 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

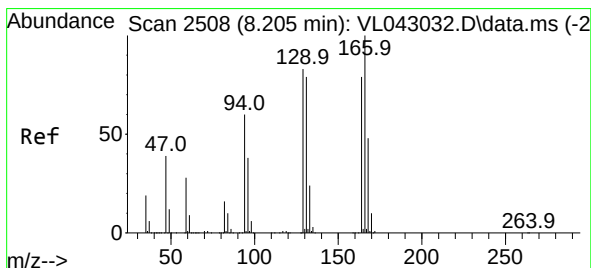
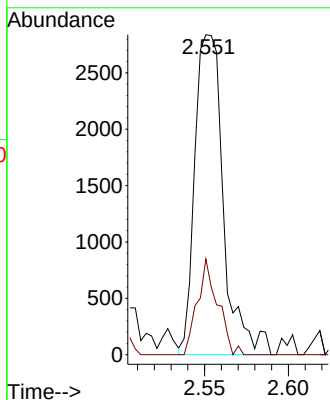
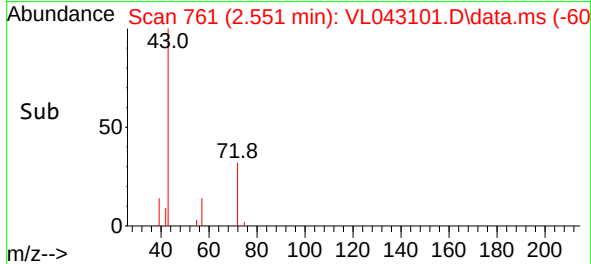
Instrument :
MSVOA_L
ClientSampleId :
SV4DL



Tgt Ion: 43 Resp: 338
Ion Ratio Lower Upper
43 100
72 0.0 18.4 27.6

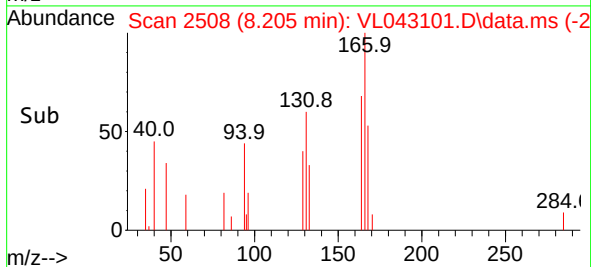
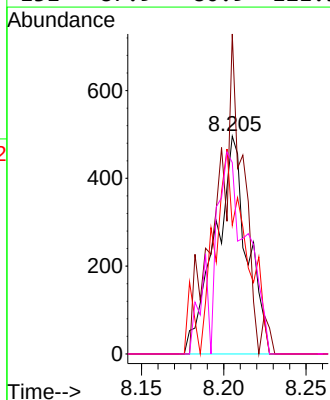
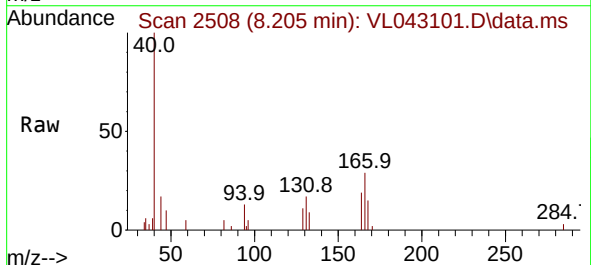
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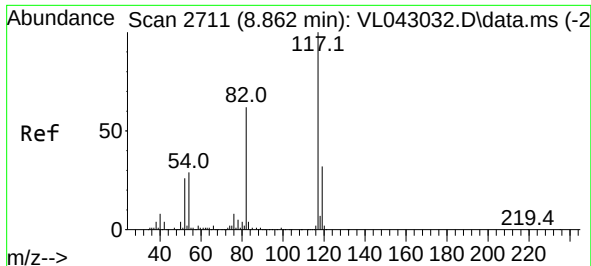
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
Tetrachloroethene
Concen: 0.044 ppbv m
RT: 8.205 min Scan# 2508
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

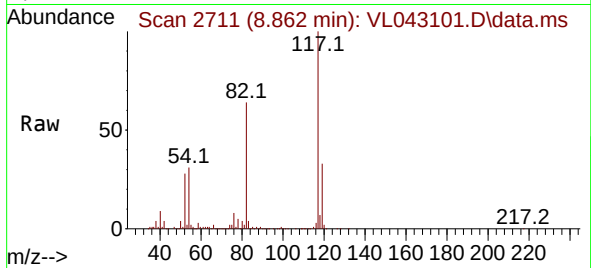
Tgt Ion:164 Resp: 670
Ion Ratio Lower Upper
164 100
166 147.0 101.8 152.8
129 59.1 84.5 126.7#
131 87.9 80.9 121.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

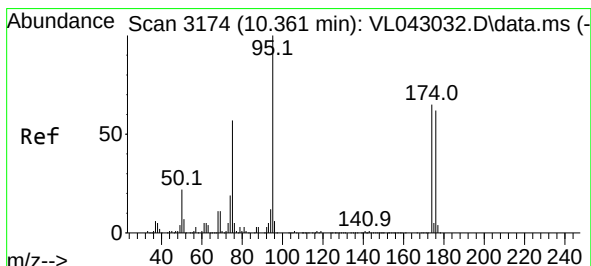
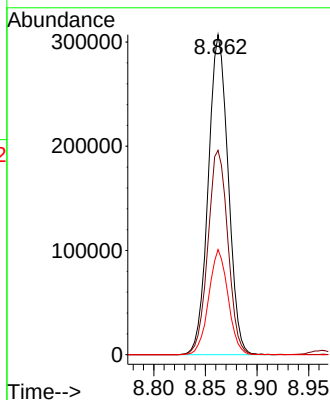
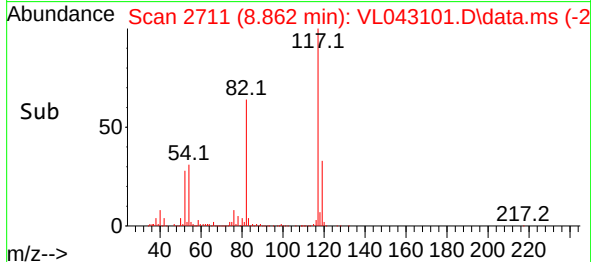
Instrument :
MSVOA_L
ClientSampleId :
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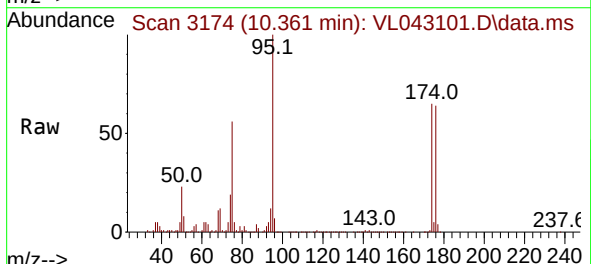
Tgt Ion: 117 Resp: 411008
Ion Ratio Lower Upper
117 100
82 64.3 53.0 79.6
119 32.0 25.4 38.2

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#68
1-Bromo-4-Fluorobenzene
Concen: 12.365 ppbv
RT: 10.361 min Scan# 3174
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58



Tgt Ion: 95 Resp: 366115
Ion Ratio Lower Upper
95 100
174 64.8 52.3 78.5
175 4.9 3.8 5.8

