

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043064.D
 Acq On : 08 Oct 2025 15:05
 Operator : SY/MD
 Sample : Q3306-04 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:19:40 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025

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		2.813	49	202104	10.000	ppbv	0.04
33) 1,4-Difluorobenzene		3.985	114	508213	10.000	ppbv	0.05
55) Chlorobenzene-d5		8.888	117	479185	10.000	ppbv	0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.377	95	367061	10.633	ppbv	0.02
Spiked Amount		10.000	Range 65 - 135		Recovery	= 106.300%	
Target Compounds						Qvalue	
10) Heptane		5.004	43	5218m	0.160	ppbv	
20) Methylene Chloride		2.056	84	4213	0.341	ppbv	93
26) Hexane		2.855	57	37601	1.377	ppbv #	30
29) Chloroform		2.874	83	7093	0.152	ppbv	98
52) Tetrachloroethene		8.228	164	2377m	0.132	ppbv	
53) Toluene		6.946	91	16259m	0.332	ppbv	
58) Ethyl Benzene		9.357	91	9390	0.126	ppbv	90
59) m/p-Xylene		9.535	91	21061	0.336	ppbv	100
60) o-Xylene		9.966	91	15422	0.247	ppbv	90

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

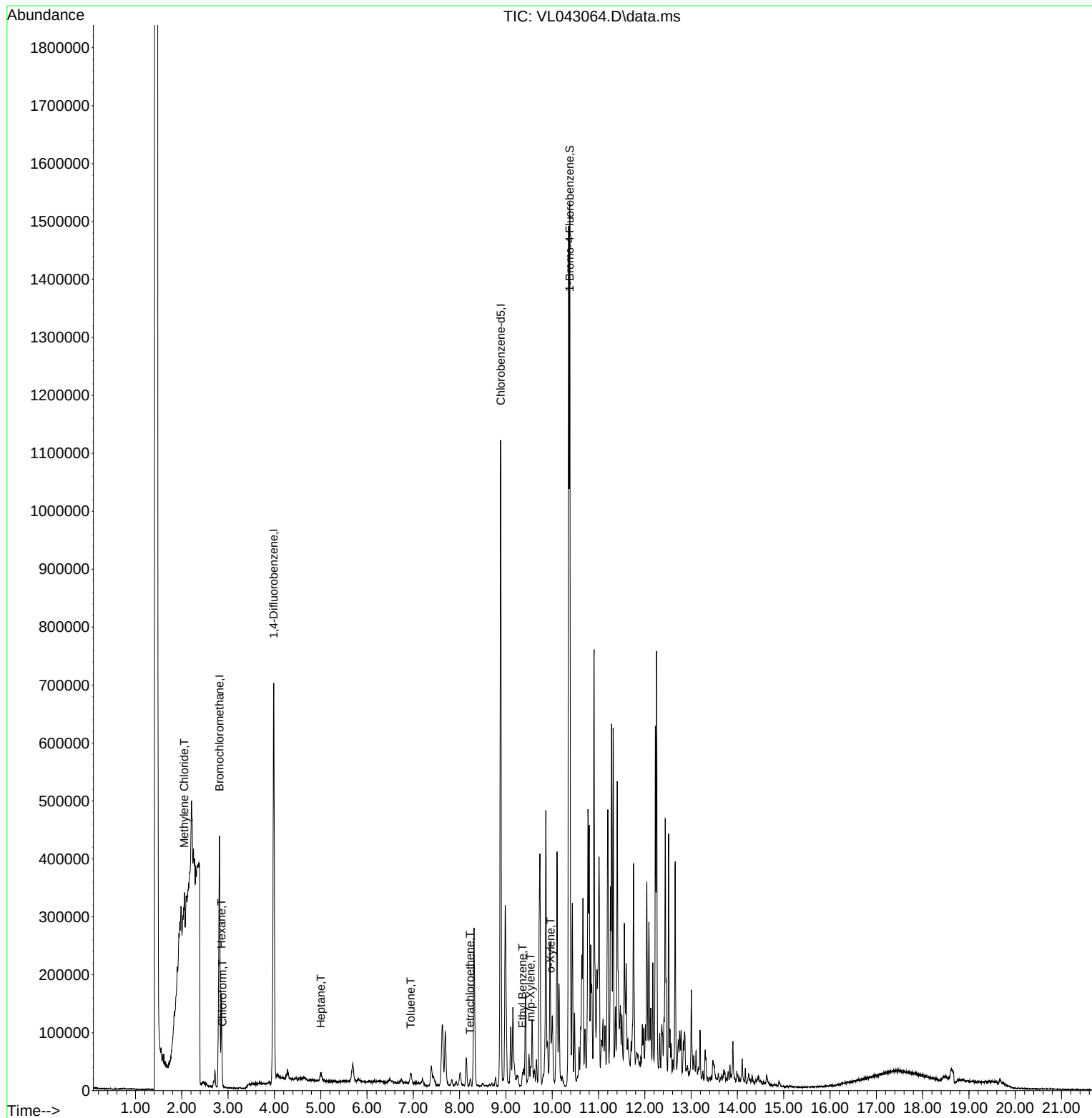
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
Data File : VL043064.D
Acq On : 08 Oct 2025 15:05
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Sample : Q3306-04 10X
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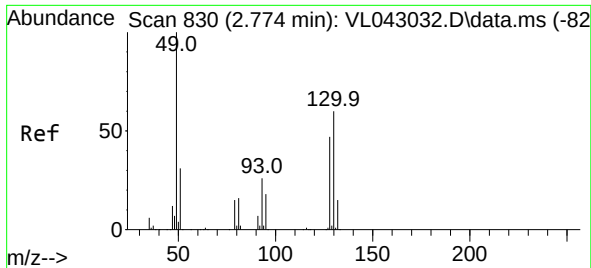
Instrument :
MSVOA_L
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SV2

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Quant Time: Oct 09 01:19:40 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





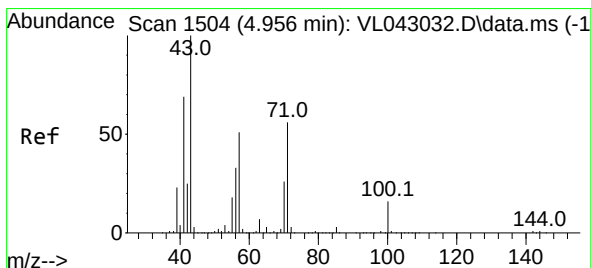
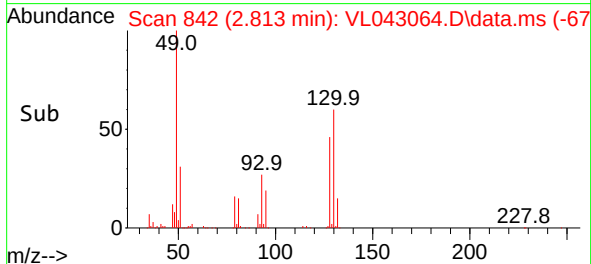
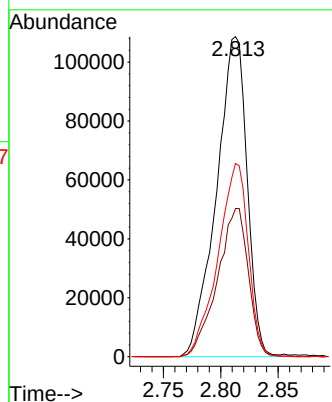
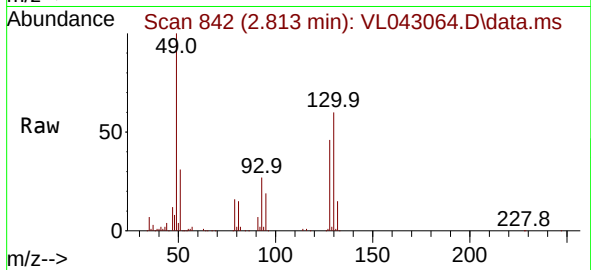
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.813 min Scan# 842
Delta R.T. 0.039 min
Lab File: VL043064.D
Acq: 08 Oct 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 49 Resp: 202104
Ion Ratio Lower Upper
49 100
128 46.6 24.1 72.2
130 59.5 31.4 94.3

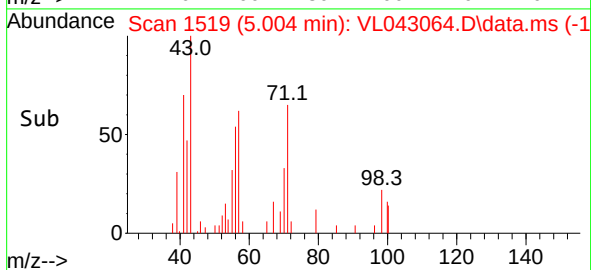
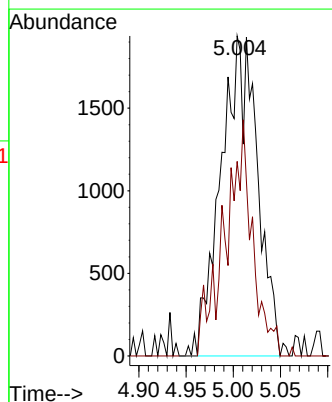
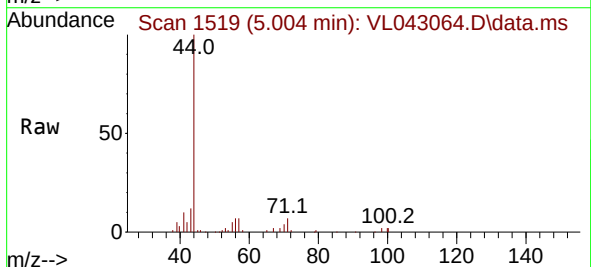
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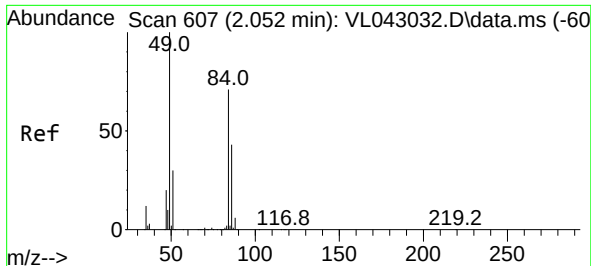
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#10
Heptane
Concen: 0.160 ppbv m
RT: 5.004 min Scan# 1519
Delta R.T. 0.049 min
Lab File: VL043064.D
Acq: 08 Oct 2025 15:05

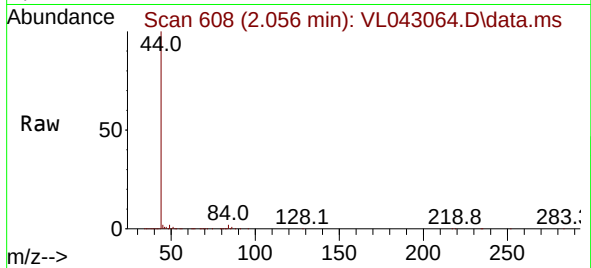
Tgt Ion: 43 Resp: 5218
Ion Ratio Lower Upper
43 100
57 55.3 40.3 60.5





#20
Methylene Chloride
Concen: 0.341 ppbv
RT: 2.056 min Scan# 607
Delta R.T. 0.003 min
Lab File: VL043064.D
Acq: 08 Oct 2025 15:05

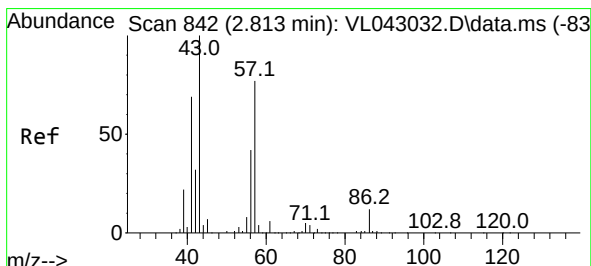
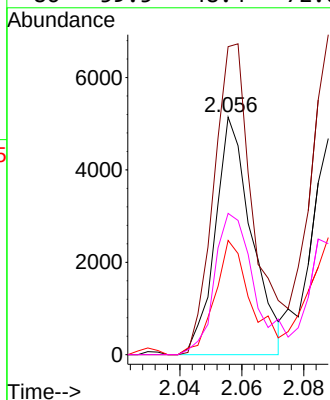
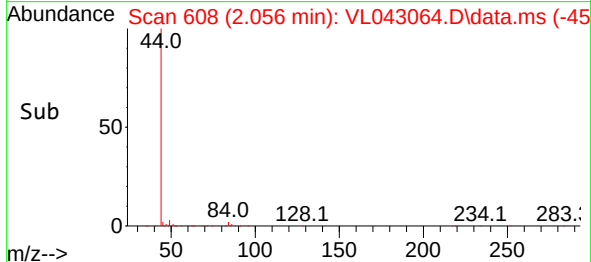
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.7	112.5	168.7
51	48.1	34.2	51.2
86	59.5	48.4	72.6

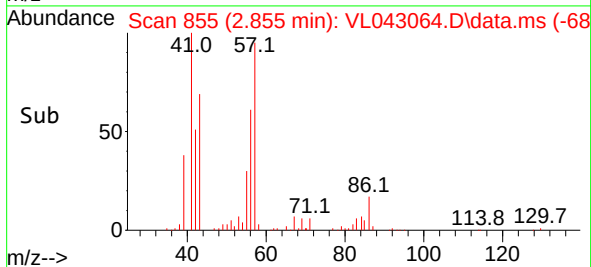
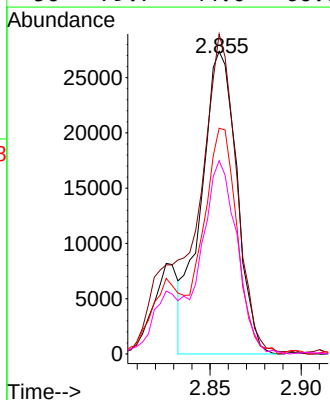
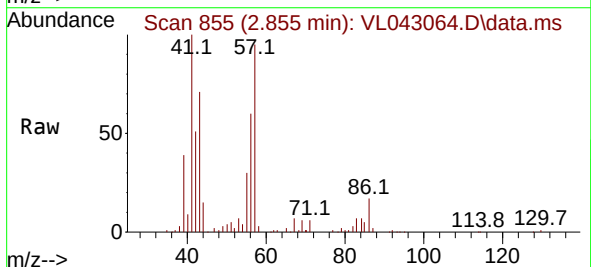
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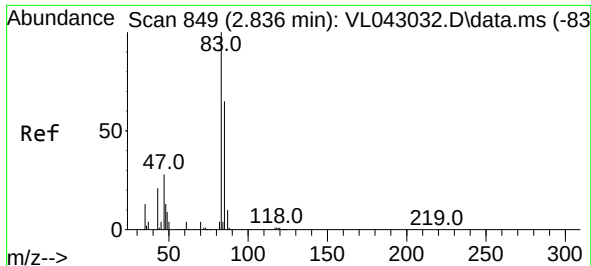
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#26
Hexane
Concen: 1.377 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.042 min
Lab File: VL043064.D
Acq: 08 Oct 2025 15:05

Tgt Ion	Ratio	Lower	Upper
57	100		
41	129.5	76.1	114.1#
43	92.7	201.4	302.0#
56	79.7	44.0	66.0#





#29

Chloroform

Concen: 0.152 ppbv

RT: 2.874 min Scan# 80

Delta R.T. 0.039 min

Lab File: VL043064.D

Acq: 08 Oct 2025 15:05

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 83 Resp: 709

Ion Ratio Lower Upper

83 100

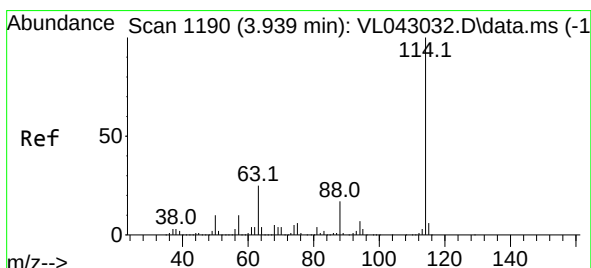
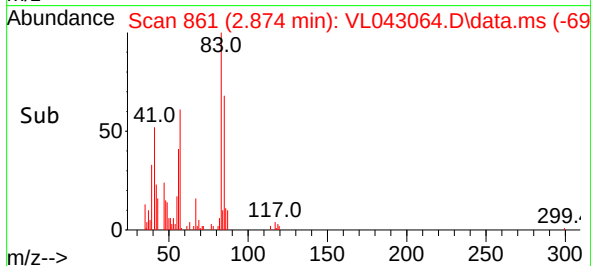
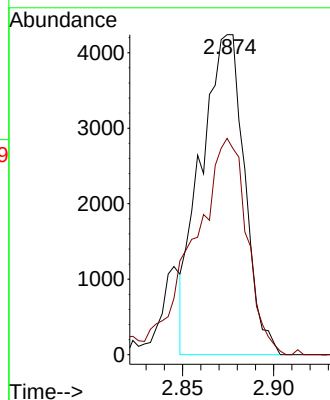
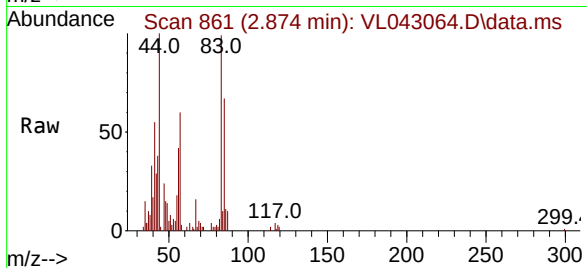
85 66.4 52.0 78.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.985 min Scan# 1204

Delta R.T. 0.045 min

Lab File: VL043064.D

Acq: 08 Oct 2025 15:05

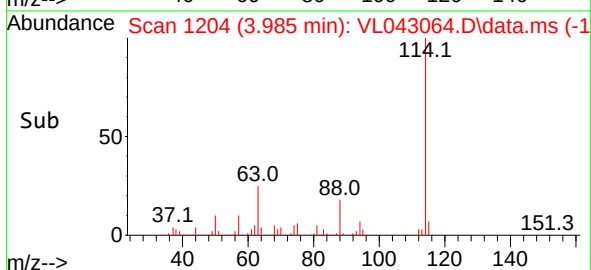
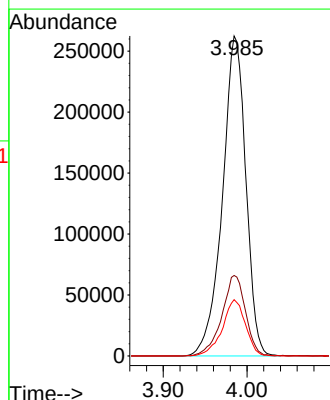
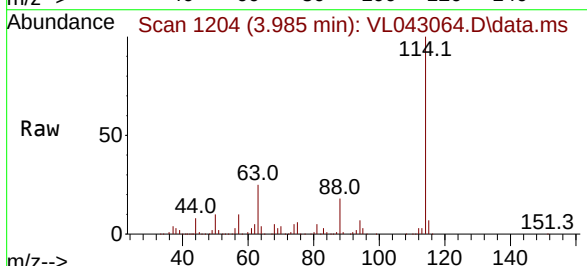
Tgt Ion:114 Resp: 508213

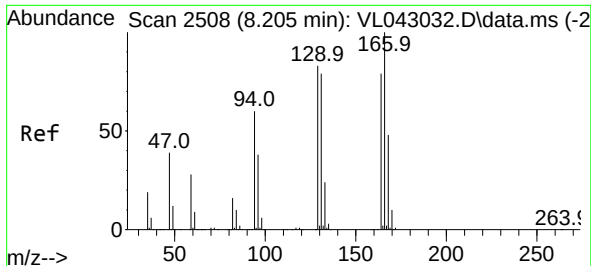
Ion Ratio Lower Upper

114 100

63 25.6 19.4 29.2

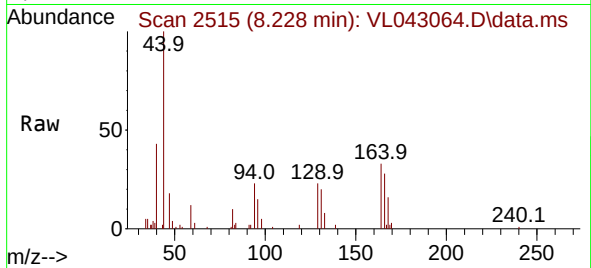
88 17.5 13.9 20.9





#52
Tetrachloroethene
Concen: 0.132 ppbv m
RT: 8.228 min Scan# 2119
Delta R.T. 0.023 min
Lab File: VL043064.D
Acq: 08 Oct 2025 15:05

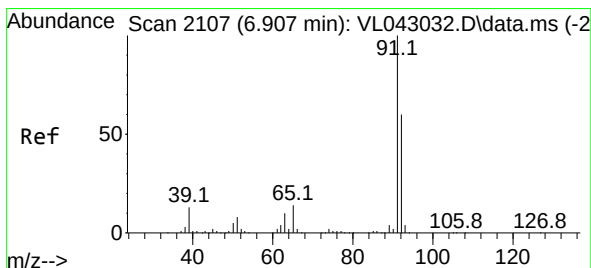
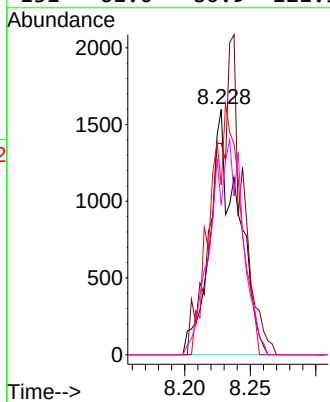
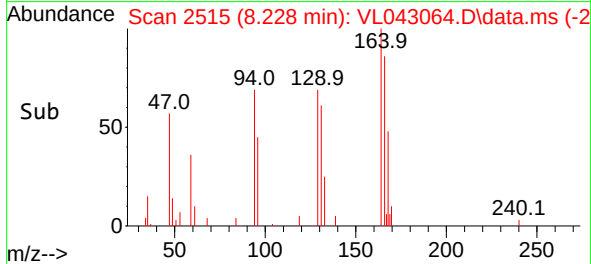
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:164 Resp: 237
Ion Ratio Lower Upper
164 100
166 86.2 101.8 152.8
129 69.3 84.5 126.7
131 61.0 80.9 121.3

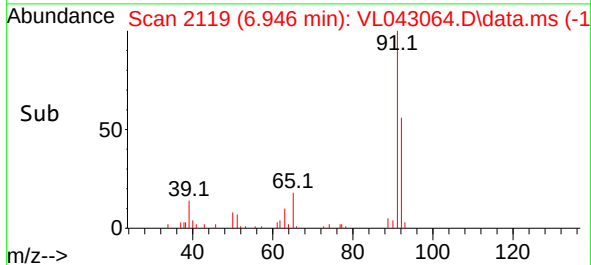
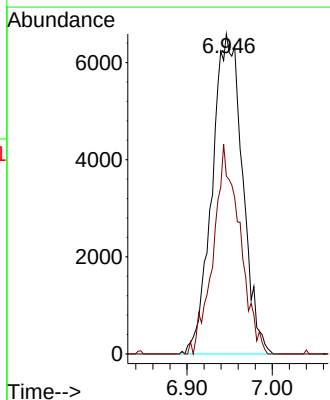
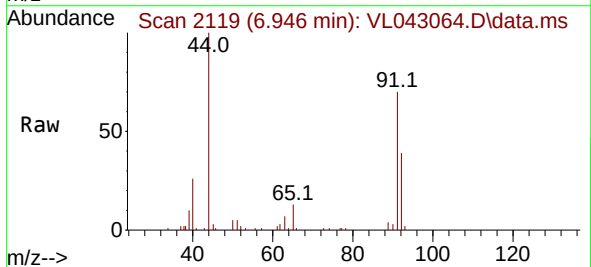
Manual Integrations
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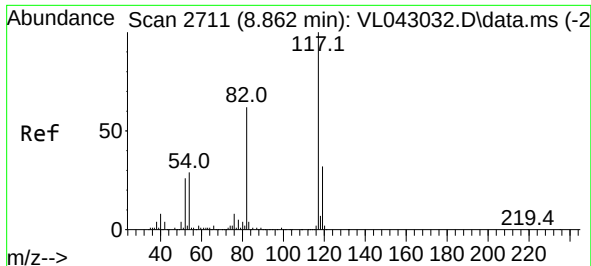
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#53
Toluene
Concen: 0.332 ppbv m
RT: 6.946 min Scan# 2119
Delta R.T. 0.039 min
Lab File: VL043064.D
Acq: 08 Oct 2025 15:05

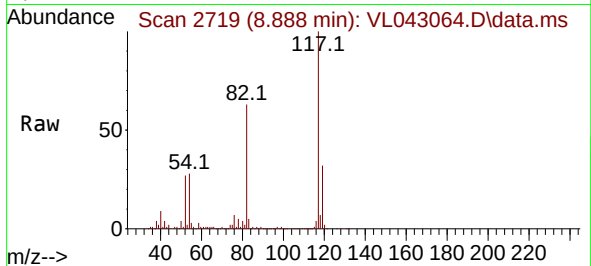
Tgt Ion: 91 Resp: 16259
Ion Ratio Lower Upper
91 100
92 0.0 47.8 71.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL043064.D
Acq: 08 Oct 2025 15:05

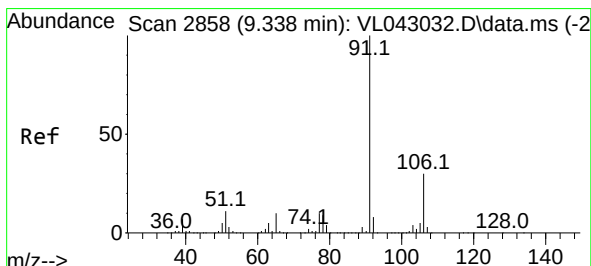
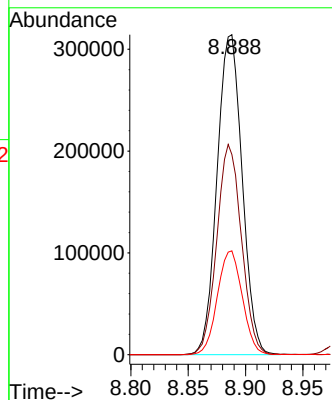
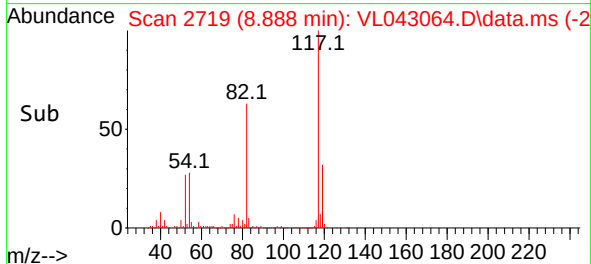
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 117 Resp: 47918
Ion Ratio Lower Upper
117 100
82 64.6 53.0 79.6
119 32.3 25.4 38.2

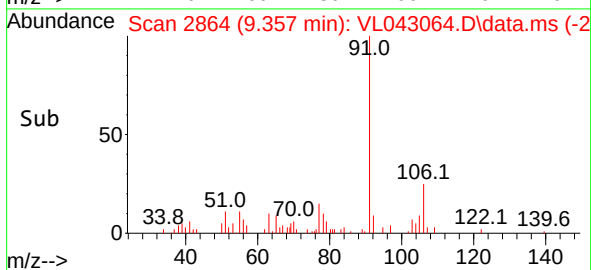
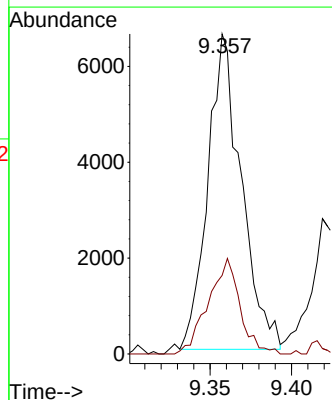
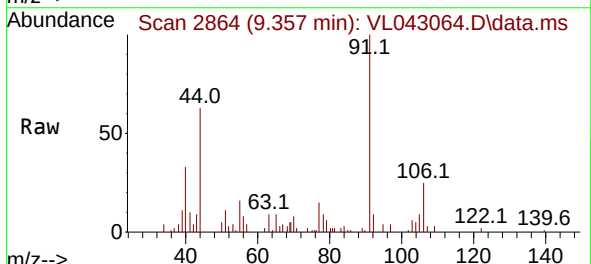
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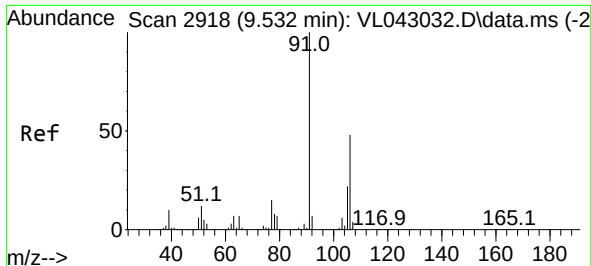
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
Ethyl Benzene
Concen: 0.126 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.019 min
Lab File: VL043064.D
Acq: 08 Oct 2025 15:05

Tgt Ion: 91 Resp: 9390
Ion Ratio Lower Upper
91 100
106 24.9 24.1 36.1





#59

m/p-Xylene

Concen: 0.336 ppbv

RT: 9.535 min Scan# 2918

Delta R.T. 0.003 min

Lab File: VL043064.D

Acq: 08 Oct 2025 15:05

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 91 Resp: 2106

Ion Ratio Lower Upper

91 100

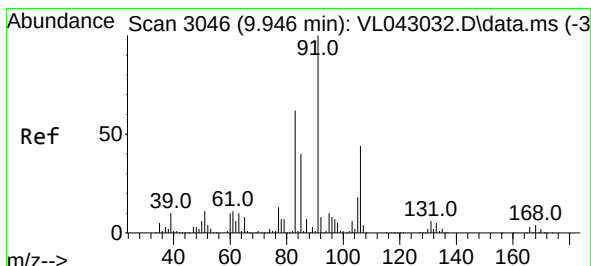
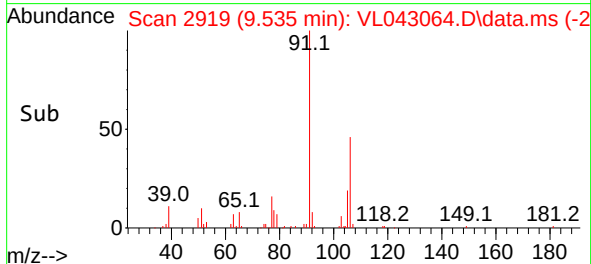
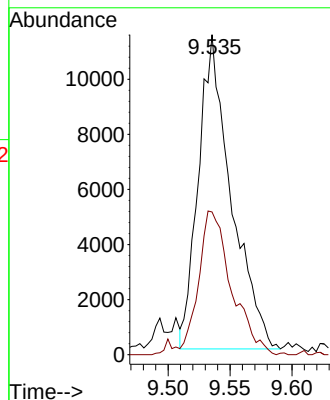
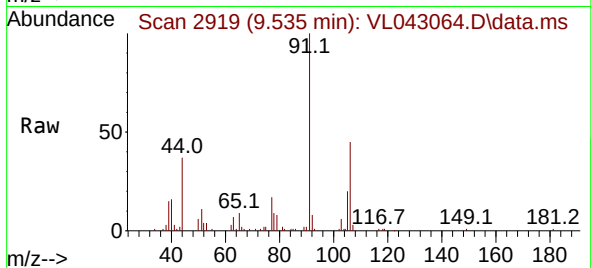
106 47.0 37.5 56.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#60

o-Xylene

Concen: 0.247 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.019 min

Lab File: VL043064.D

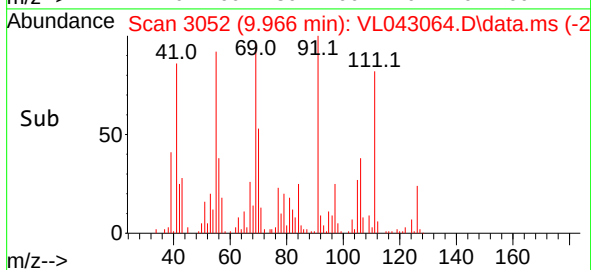
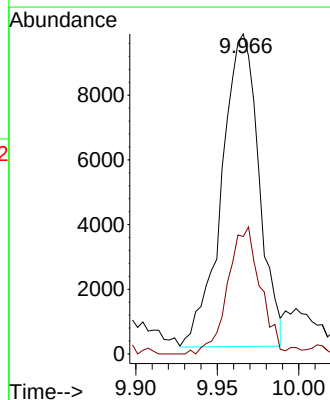
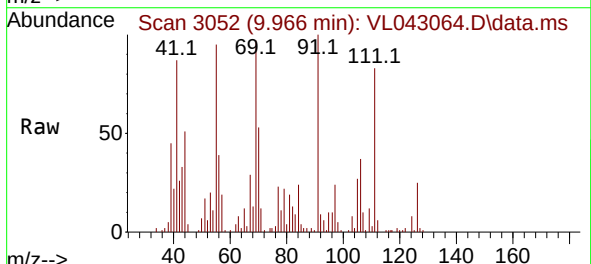
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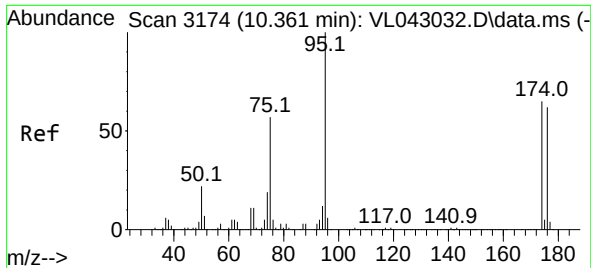
Tgt Ion: 91 Resp: 15422

Ion Ratio Lower Upper

91 100

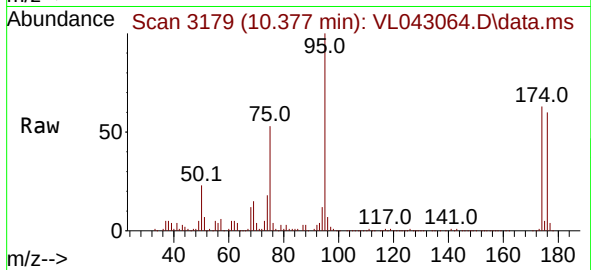
106 37.1 21.9 65.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.633 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.016 min
 Lab File: VL043064.D
 Acq: 08 Oct 2025 15:05

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion: 95 Resp: 367063
 Ion Ratio Lower Upper
 95 100
 174 64.1 52.3 78.5
 175 4.7 3.8 5.8

Manual Integrations
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