

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042595.D
 Acq On : 29 May 2025 20:37
 Operator : SY/MD
 Sample : Q2124-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025

Quant Time: May 30 02:14:18 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-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	2.800	49	108661	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	312802	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	276032	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	206403	9.975	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
					Qvalue	
10) Heptane	5.001	43	3013m	0.144	ppbv	
13) Ethanol	1.728	45	861m	0.975	ppbv	
15) Acetone	1.845	43	5905	0.451	ppbv #	77
20) Methylene Chloride	2.068	84	864	0.200	ppbv #	88
26) Hexane	2.839	57	14419	0.886	ppbv #	43
29) Chloroform	2.861	83	8601	0.406	ppbv	99
34) 2-Butanone	2.570	43	6460	0.290	ppbv	94
52) Tetrachloroethene	8.231	164	5433m	0.472	ppbv	
53) Toluene	6.952	91	11057	0.311	ppbv	97
58) Ethyl Benzene	9.364	91	6131m	0.131	ppbv	
59) m/p-Xylene	9.542	91	11604m	0.315	ppbv	
60) o-Xylene	9.975	91	5853	0.159	ppbv	99
74) 1,2,4-Trimethylbenzene	11.548	105	8047	0.191	ppbv #	65

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

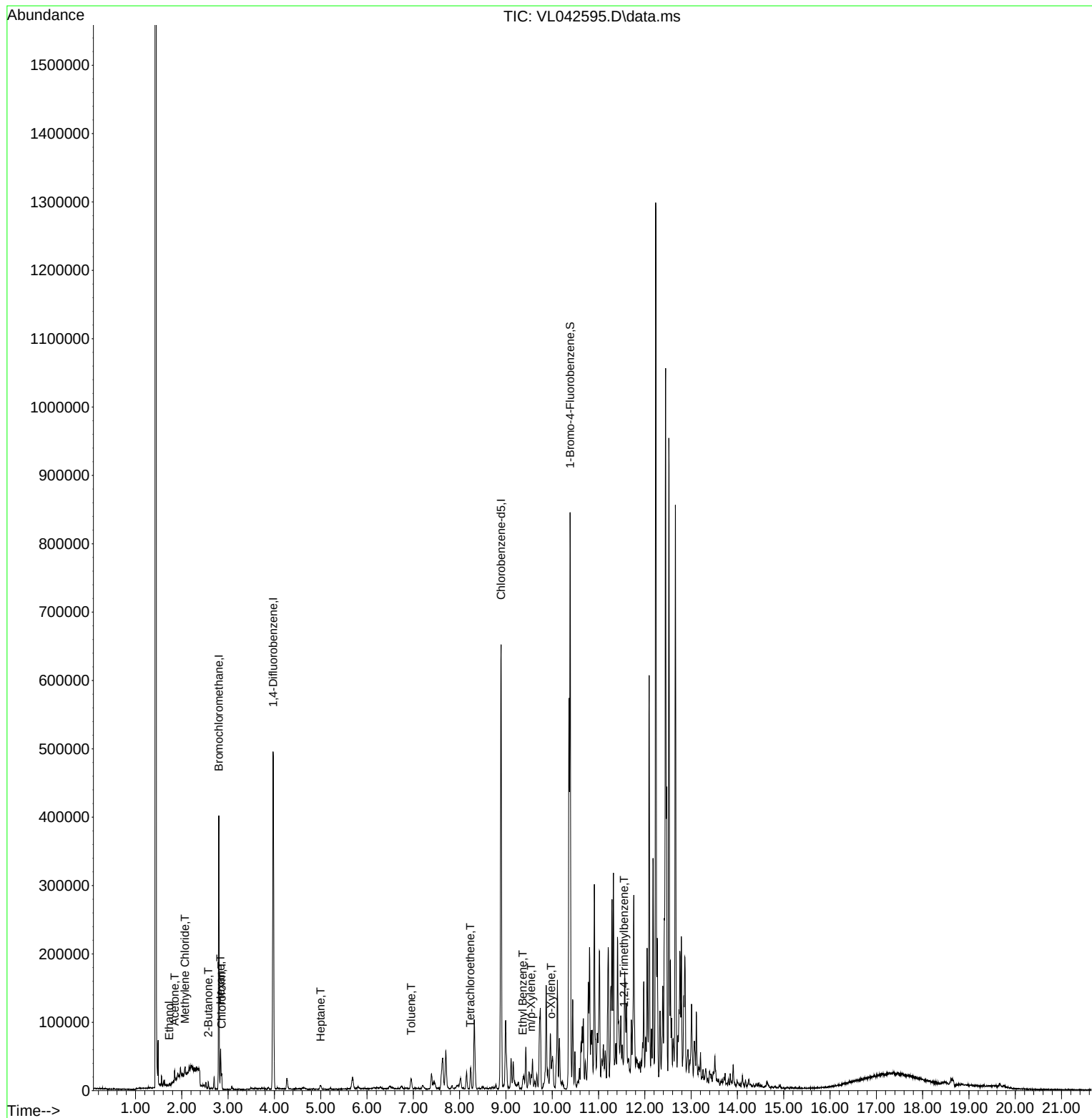
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042595.D
Acq On : 29 May 2025 20:37
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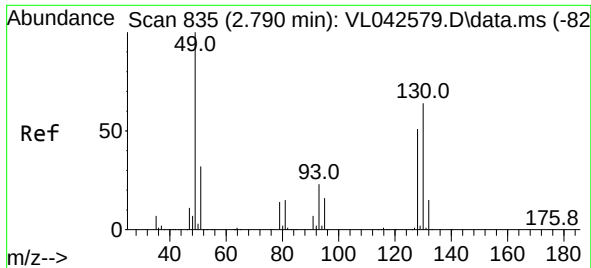
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

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Supervised By :Mahesh Dadoda 05/30/2025

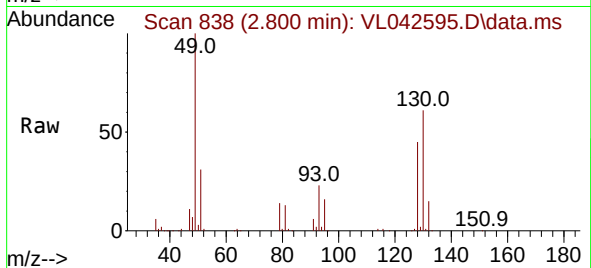
Quant Time: May 30 02:14:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 835
Delta R.T. 0.010 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37

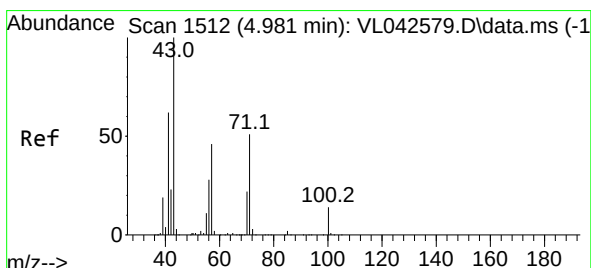
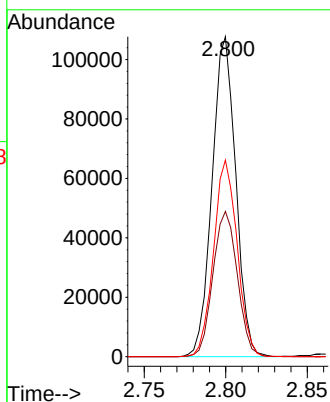
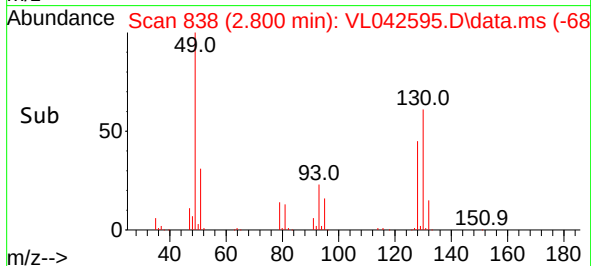
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 49 Resp: 10866
Ion Ratio Lower Upper
49 100
128 46.8 24.2 72.6
130 61.3 30.4 91.2

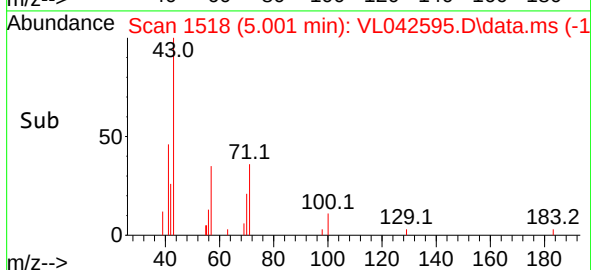
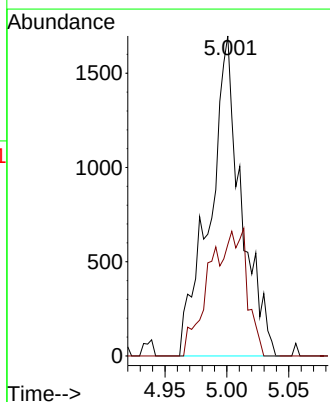
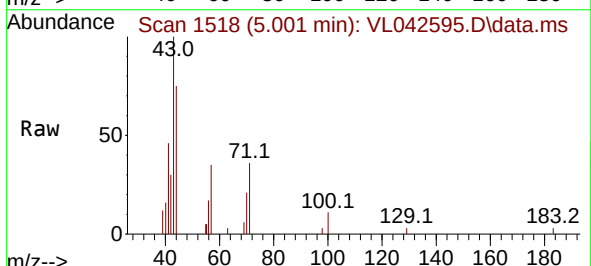
Manual Integrations
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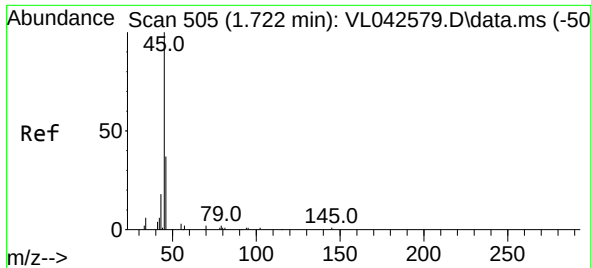
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#10
Heptane
Concen: 0.144 ppbv m
RT: 5.001 min Scan# 1518
Delta R.T. 0.019 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37

Tgt Ion: 43 Resp: 3013
Ion Ratio Lower Upper
43 100
57 0.0 38.9 58.3#





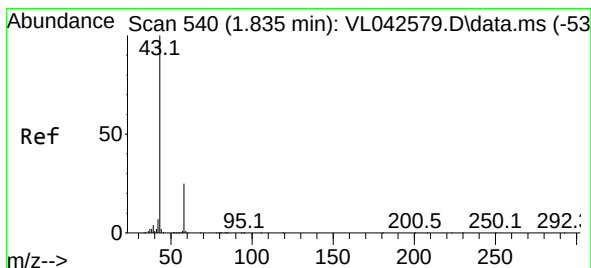
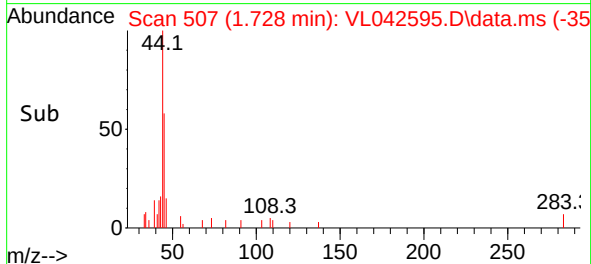
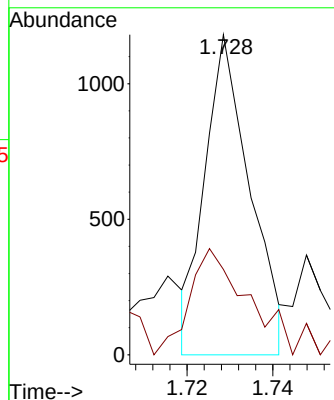
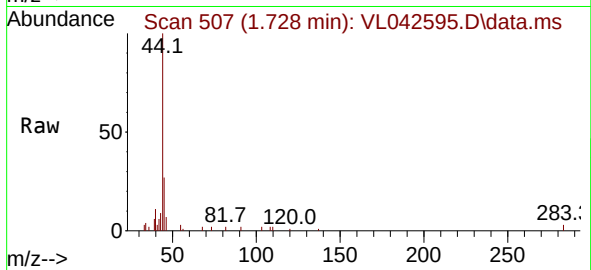
#13
Ethanol
Concen: 0.975 ppbv m
RT: 1.728 min Scan# 507
Delta R.T. 0.006 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 45 Resp: 86
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1

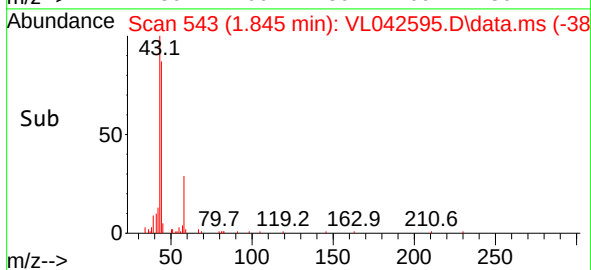
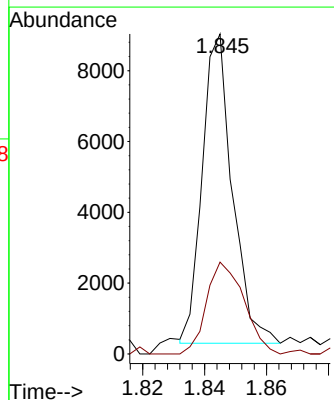
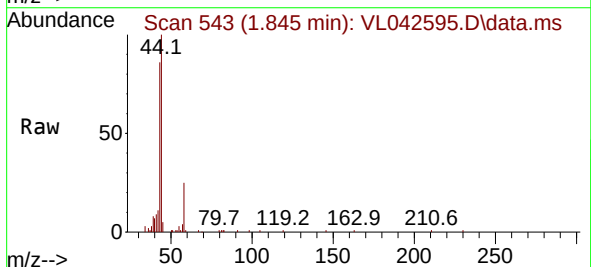
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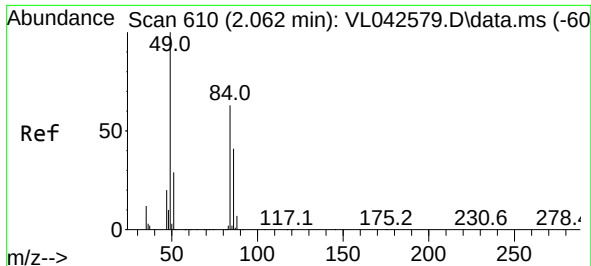
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#15
Acetone
Concen: 0.451 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.010 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37

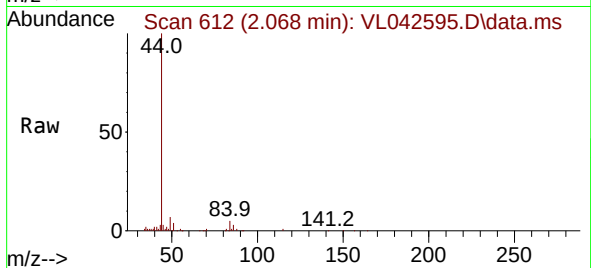
Tgt Ion: 43 Resp: 5905
Ion Ratio Lower Upper
43 100
58 38.0 21.0 31.4





#20
Methylene Chloride
Concen: 0.200 ppbv
RT: 2.068 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37

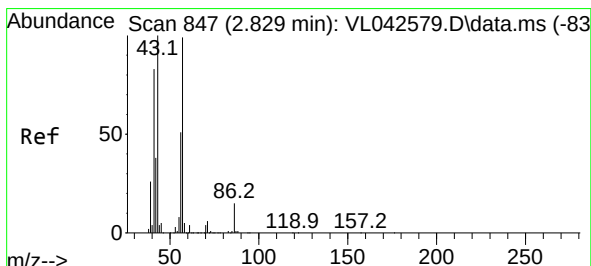
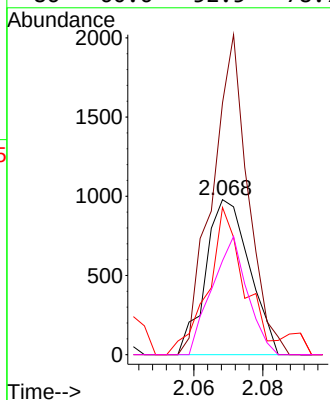
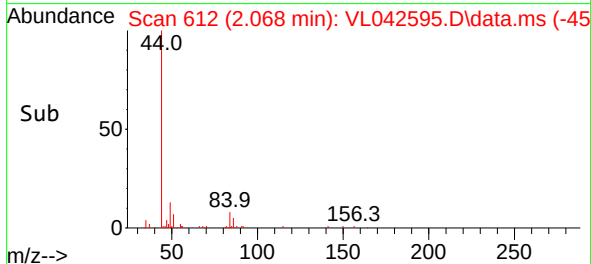
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



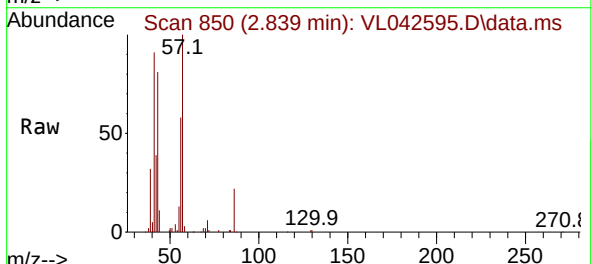
Tgt Ion: 84 Resp: 864
Ion Ratio Lower Upper
84 100
49 162.4 128.8 193.2
51 86.1 38.6 57.8
86 60.6 52.5 78.7

Manual Integrations
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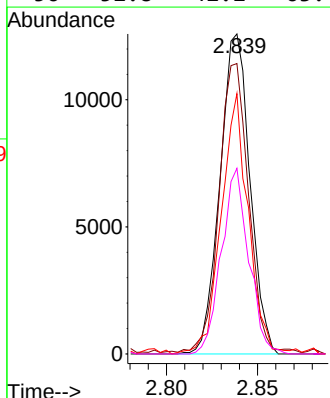
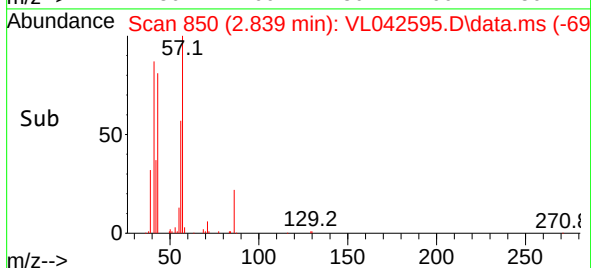
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

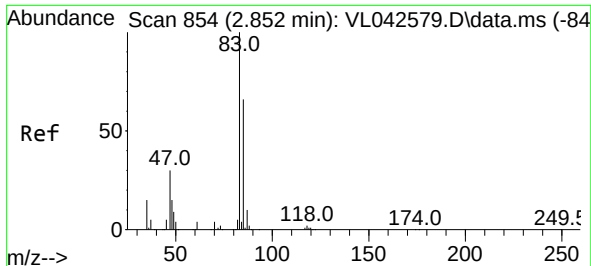


#26
Hexane
Concen: 0.886 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37



Tgt Ion: 57 Resp: 14419
Ion Ratio Lower Upper
57 100
41 91.7 70.6 106.0
43 76.4 181.1 271.7#
56 52.8 42.2 63.4





#29

Chloroform

Concen: 0.406 ppbv

RT: 2.861 min Scan# 8

Delta R.T. 0.010 min

Lab File: VL042595.D

Acq: 29 May 2025 20:37

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

Tgt Ion: 83 Resp: 860

Ion Ratio Lower Upper

83 100

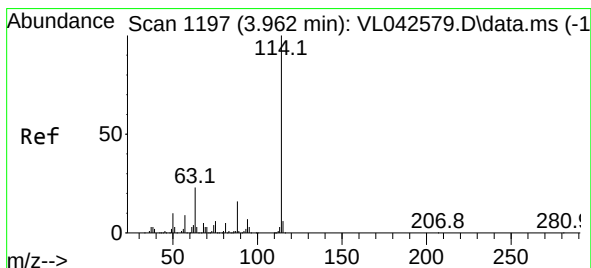
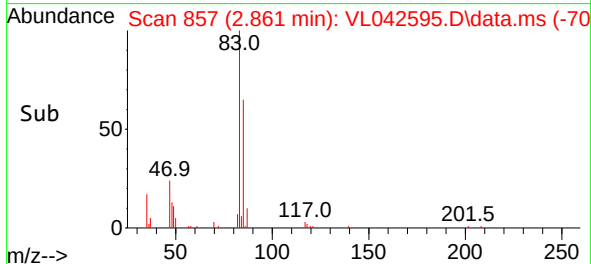
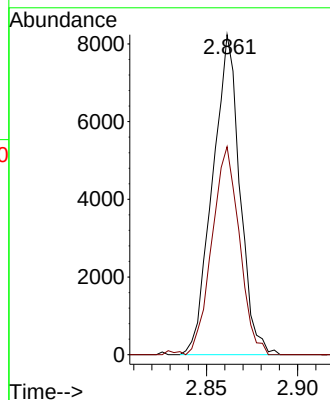
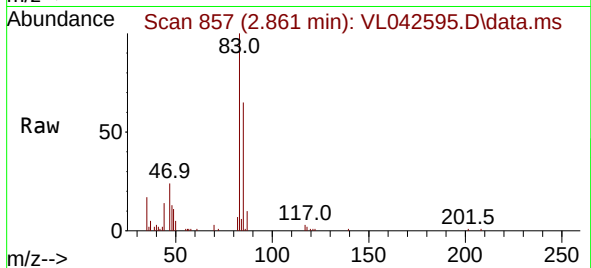
85 65.0 52.8 79.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.971 min Scan# 1200

Delta R.T. 0.010 min

Lab File: VL042595.D

Acq: 29 May 2025 20:37

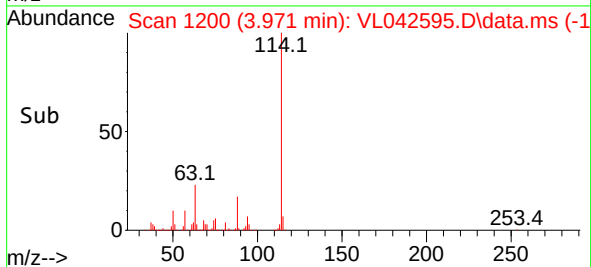
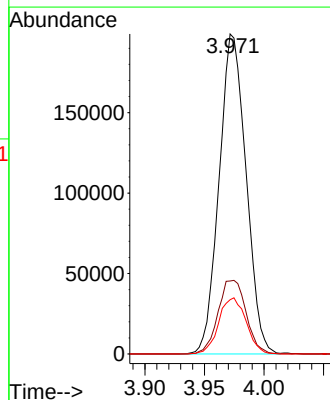
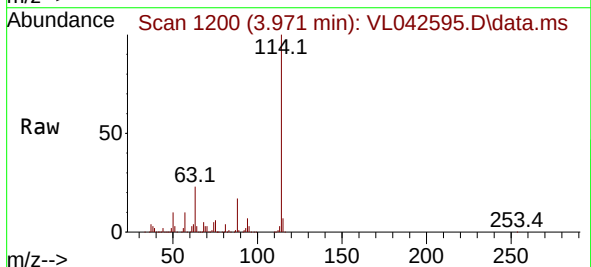
Tgt Ion:114 Resp: 312802

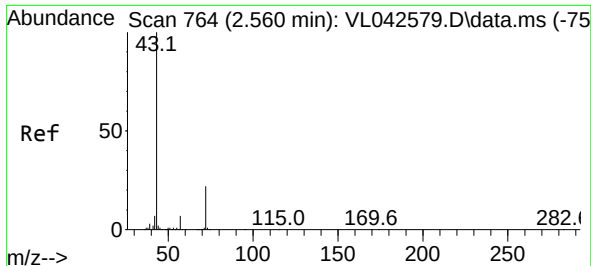
Ion Ratio Lower Upper

114 100

63 24.0 19.0 28.6

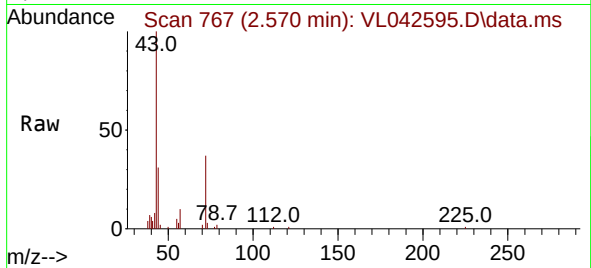
88 17.8 13.6 20.4





#34
2-Butanone
Concen: 0.290 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.010 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37

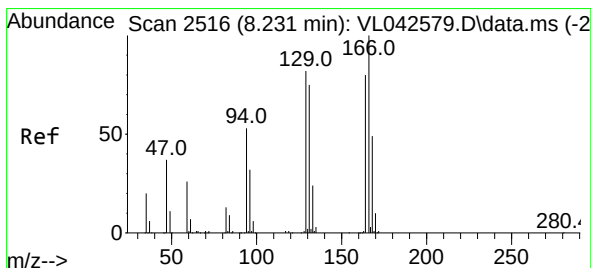
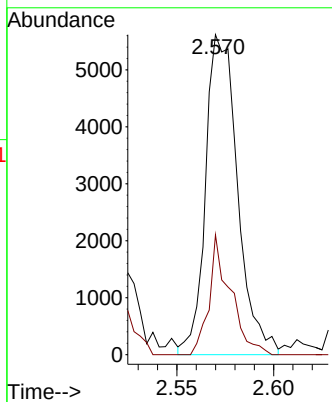
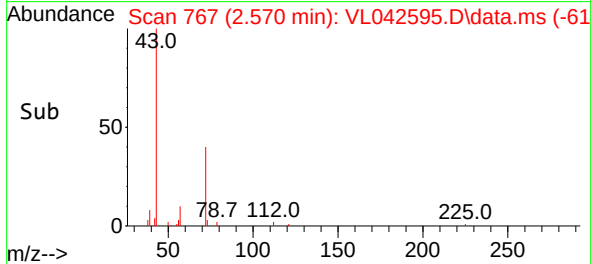
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 43 Resp: 6460
Ion Ratio Lower Upper
43 100
72 25.0 17.7 26.5

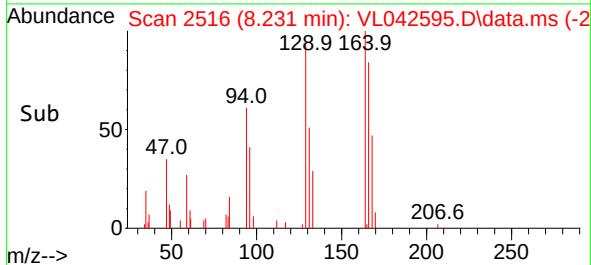
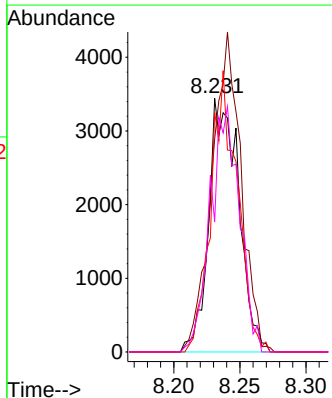
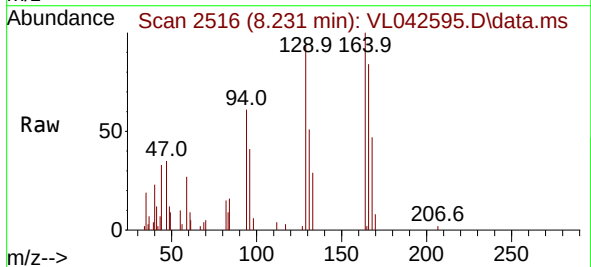
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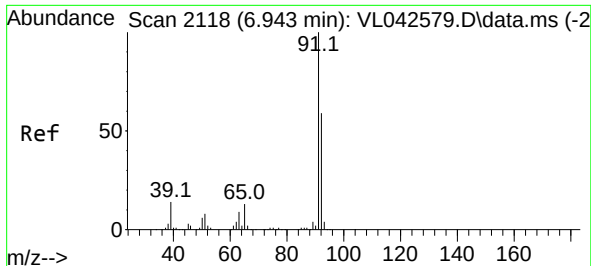
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#52
Tetrachloroethene
Concen: 0.472 ppbv m
RT: 8.231 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37

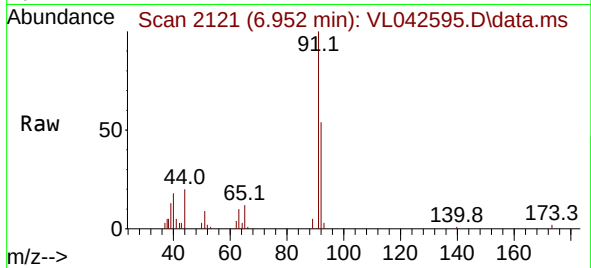
Tgt Ion:164 Resp: 5433
Ion Ratio Lower Upper
164 100
166 84.0 100.0 150.0#
129 94.4 82.2 123.4
131 51.4 75.2 112.8#





#53
Toluene
Concen: 0.311 ppbv
RT: 6.952 min Scan# 2118
Delta R.T. 0.010 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37

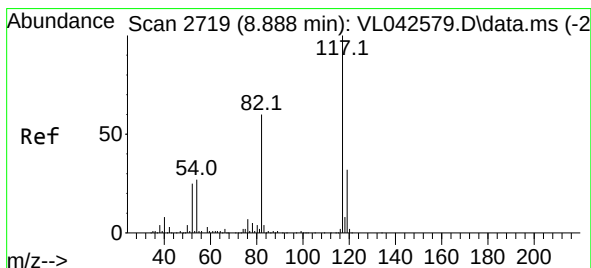
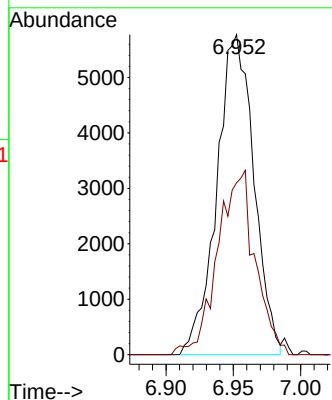
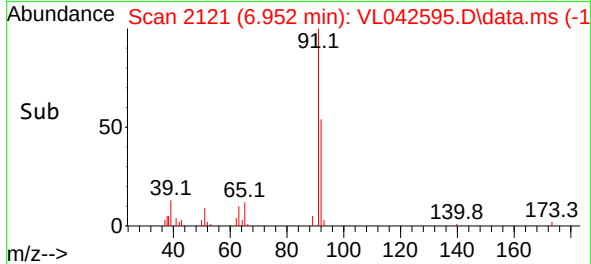
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 91 Resp: 1105
Ion Ratio Lower Upper
91 100
92 58.2 48.2 72.4

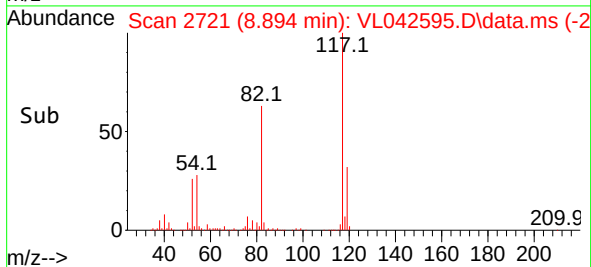
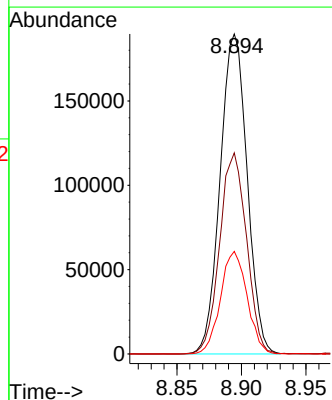
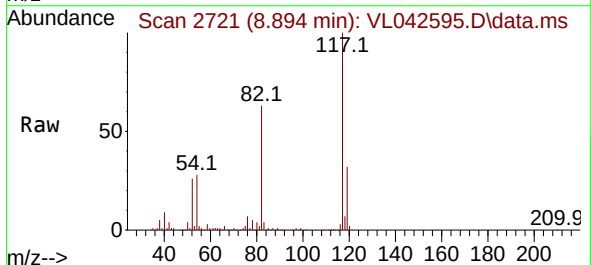
Manual Integrations
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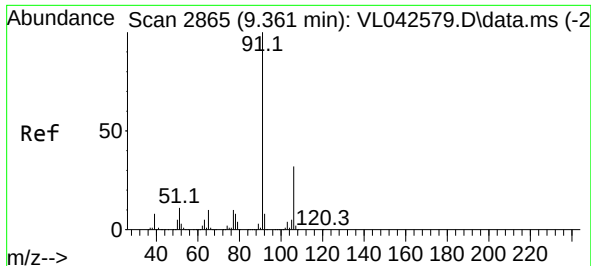
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2721
Delta R.T. 0.006 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37

Tgt Ion:117 Resp: 276032
Ion Ratio Lower Upper
117 100
82 62.5 51.2 76.8
119 31.7 26.3 39.5





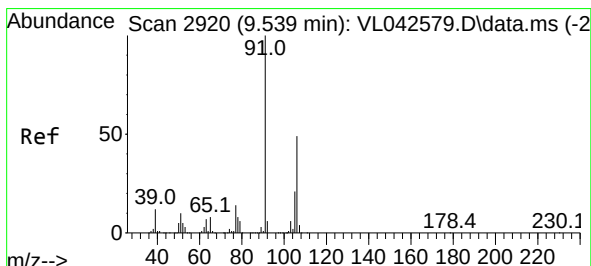
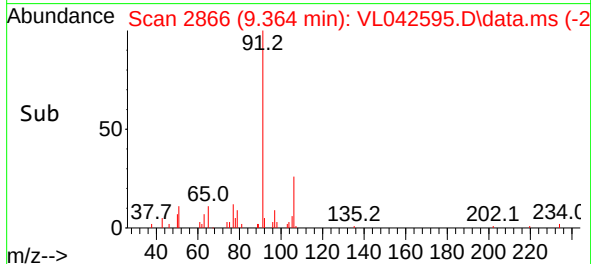
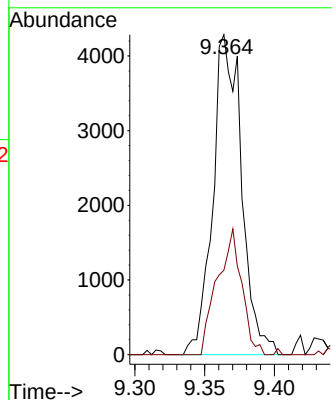
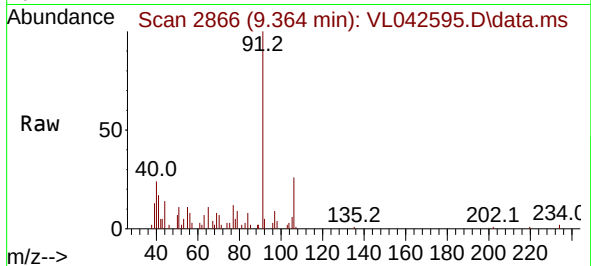
#58
Ethyl Benzene
Concen: 0.131 ppbv m
RT: 9.364 min Scan# 2865
Delta R.T. 0.003 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 91 Resp: 613
Ion Ratio Lower Upper
91 100
106 26.4 25.9 38.9

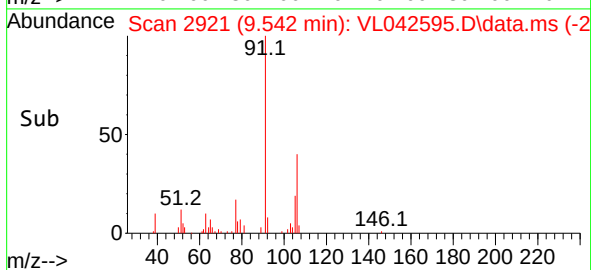
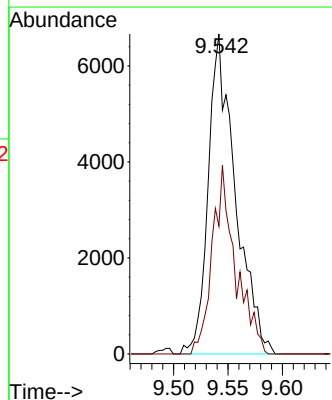
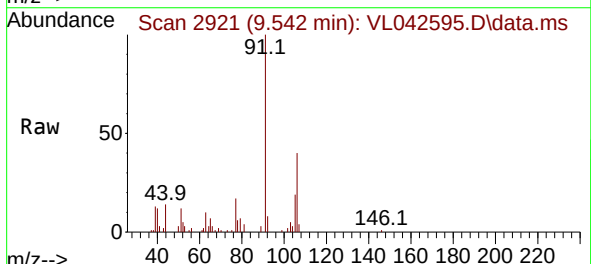
Manual Integrations
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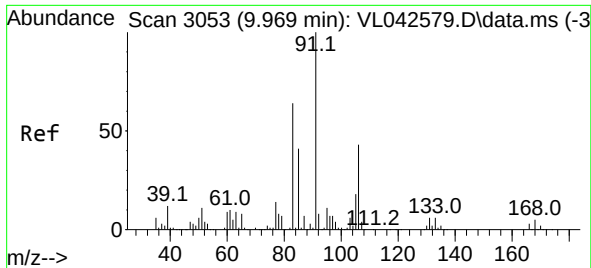
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#59
m/p-Xylene
Concen: 0.315 ppbv m
RT: 9.542 min Scan# 2921
Delta R.T. 0.003 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37

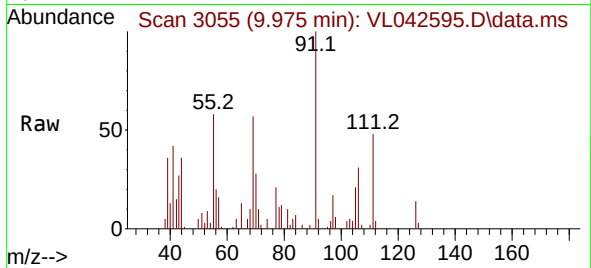
Tgt Ion: 91 Resp: 11604
Ion Ratio Lower Upper
91 100
106 50.6 38.8 58.2





#60
o-Xylene
Concen: 0.159 ppbv
RT: 9.975 min Scan# 3053
Delta R.T. 0.006 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37

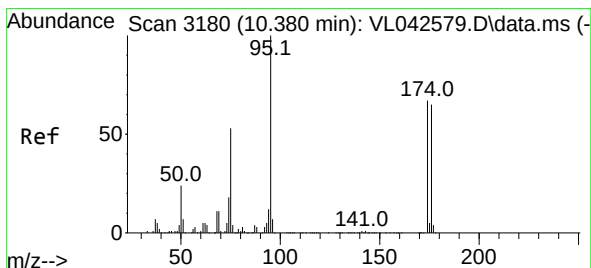
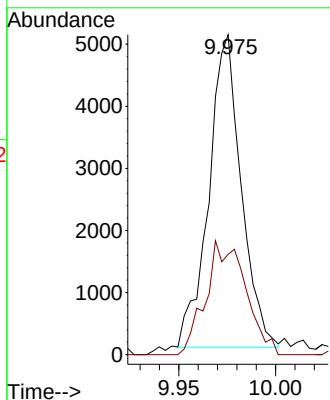
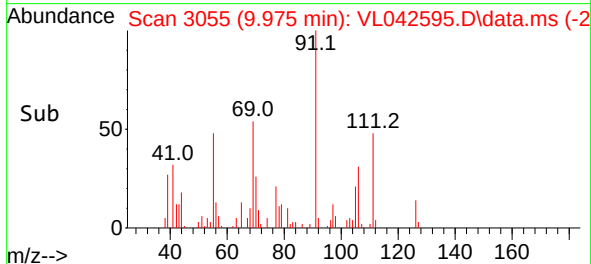
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 91 Resp: 585
Ion Ratio Lower Upper
91 100
106 44.7 22.9 68.5

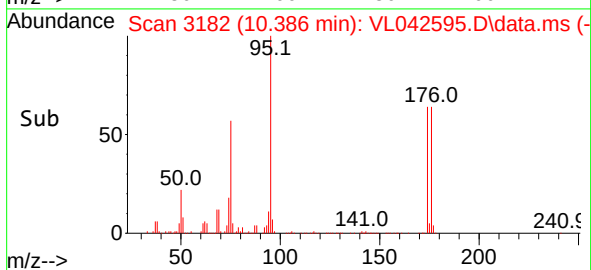
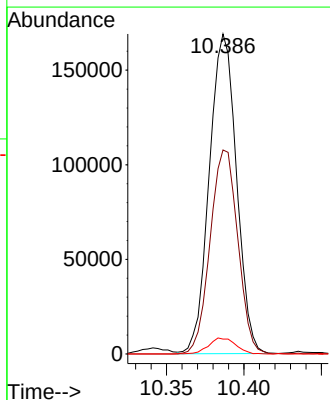
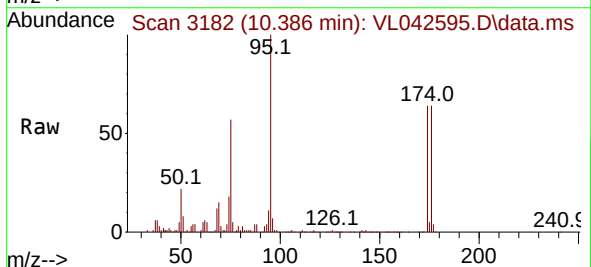
Manual Integrations
APPROVED

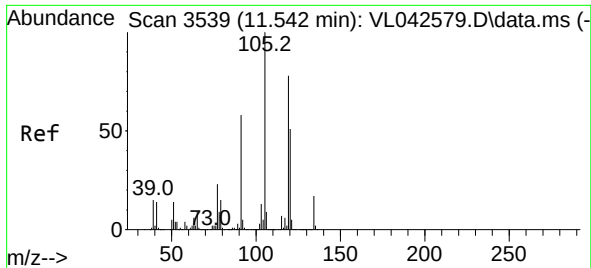
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.975 ppbv
RT: 10.386 min Scan# 3182
Delta R.T. 0.006 min
Lab File: VL042595.D
Acq: 29 May 2025 20:37

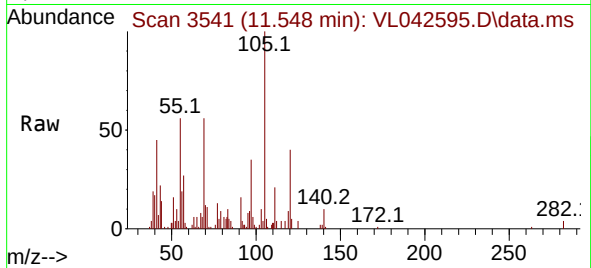
Tgt Ion: 95 Resp: 206403
Ion Ratio Lower Upper
95 100
174 65.0 53.1 79.7
175 5.0 4.2 6.2





#74
 1,2,4-Trimethylbenzene
 Concen: 0.191 ppbv
 RT: 11.548 min Scan# 3541
 Delta R.T. 0.006 min
 Lab File: VL042595.D
 Acq: 29 May 2025 20:37

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL



Tgt Ion:	105	Resp:	804
Ion	Ratio	Lower	Upper
105	100		
120	39.8	40.8	61.2
91	18.6	46.8	70.2
77	7.0	18.2	27.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025

