

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042410.D
 Acq On : 21 Apr 2025 17:54
 Operator : SY/MD
 Sample : Q1843-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:57:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	129371	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	359934	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	304674	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	263167	10.511	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.100%
Target Compounds						
					Qvalue	
15) Acetone	1.835	43	12872	0.608	ppbv	90
20) Methylene Chloride	2.059	84	1438	0.173	ppbv #	69
26) Hexane	2.826	57	3495	0.165	ppbv #	30
34) 2-Butanone	2.564	43	5349	0.188	ppbv	98
51) 2-Hexanone	7.445	43	5975m	0.141	ppbv	
53) Toluene	6.933	91	5728m	0.123	ppbv	
59) m/p-Xylene	9.532	91	13758m	0.283	ppbv	
60) o-Xylene	9.963	91	8503	0.174	ppbv	92
64) n-propylbenzene	10.992	120	2809m	0.155	ppbv	
72) 4-Ethyltoluene	11.128	105	7646	0.128	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.206	105	10602	0.201	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	28051	0.454	ppbv #	58

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

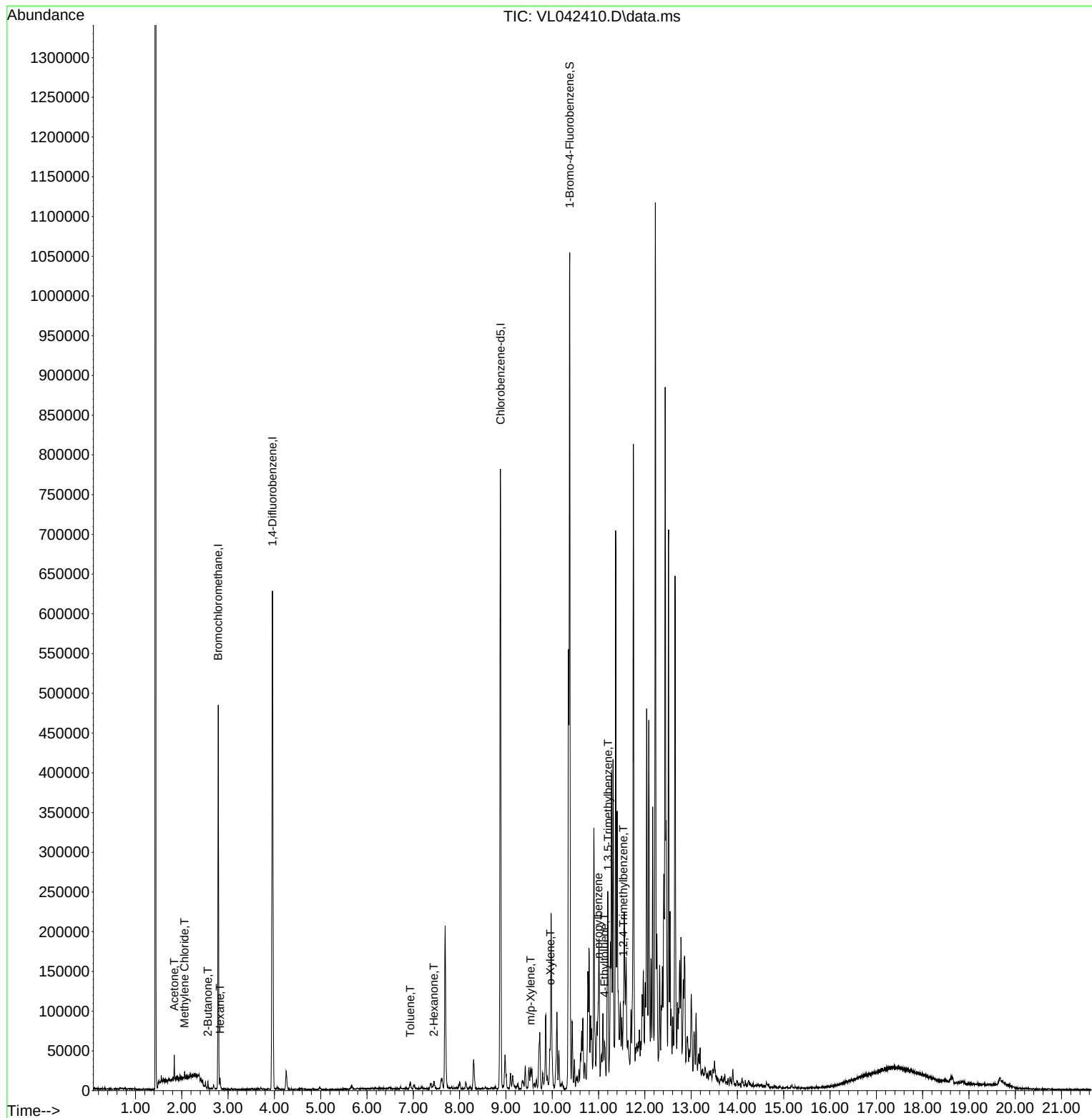
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042410.D
Acq On : 21 Apr 2025 17:54
Operator : SY/MD
Sample : Q1843-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

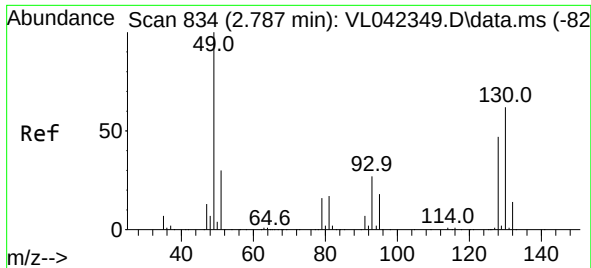
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:57:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration





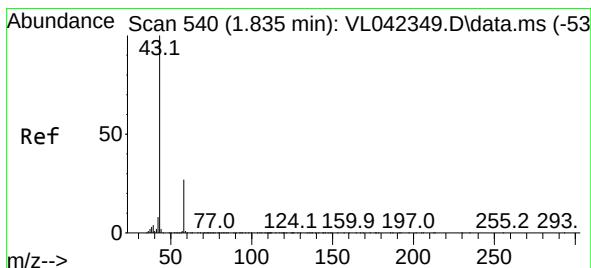
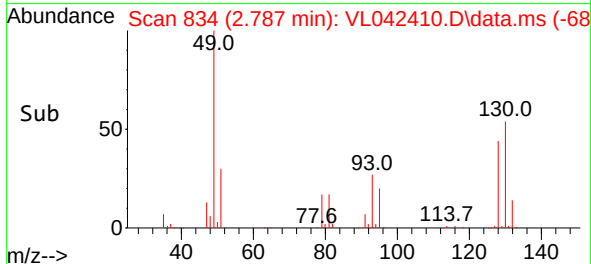
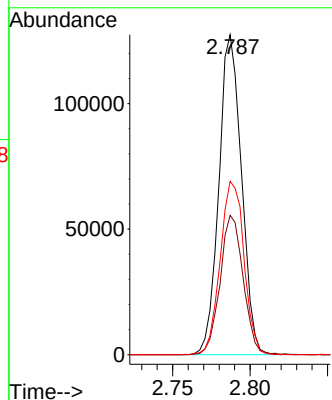
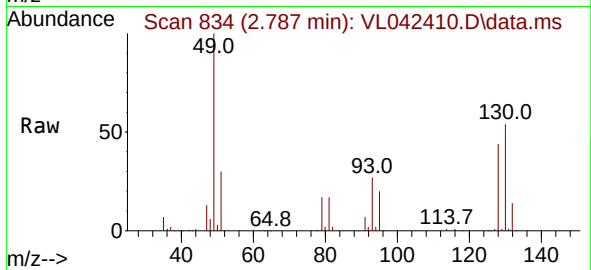
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL042410.D
Acq: 21 Apr 2025 17:54

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 49 Resp: 12937
Ion Ratio Lower Upper
49 100
128 44.4 22.8 68.4
130 57.1 29.3 88.0

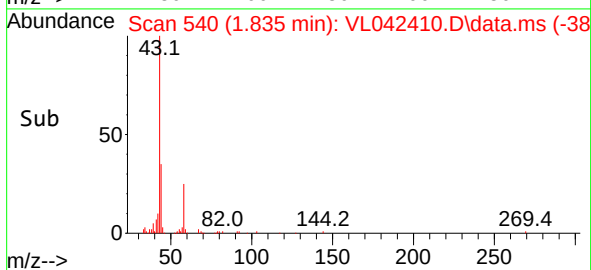
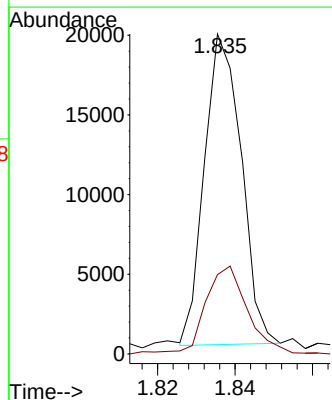
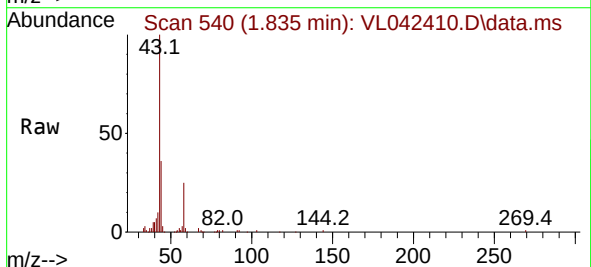
Manual Integrations
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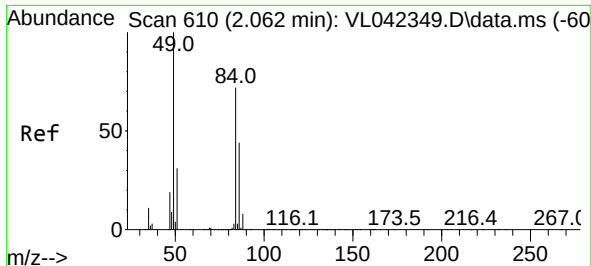
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#15
Acetone
Concen: 0.608 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042410.D
Acq: 21 Apr 2025 17:54

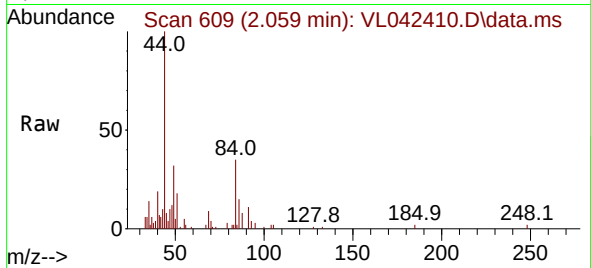
Tgt Ion: 43 Resp: 12872
Ion Ratio Lower Upper
43 100
58 33.3 22.4 33.6





#20
Methylene Chloride
Concen: 0.173 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042410.D
Acq: 21 Apr 2025 17:54

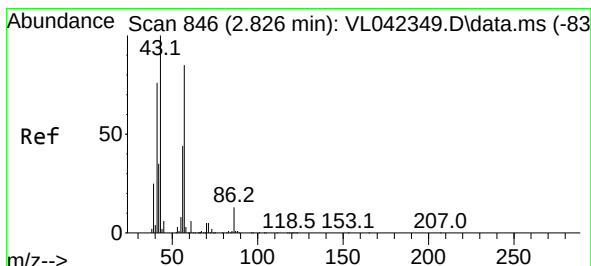
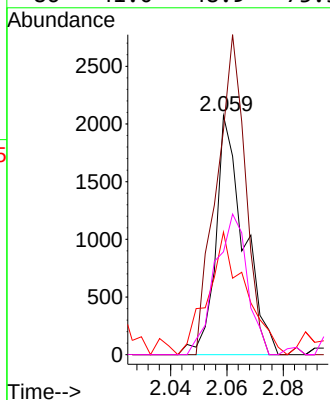
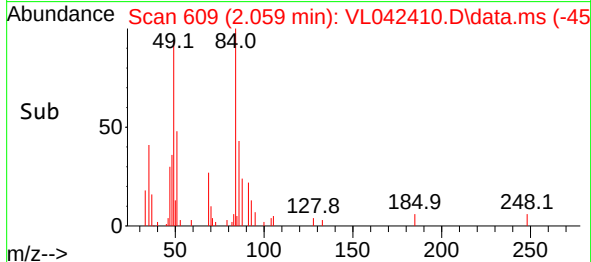
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 84 Resp: 1438
Ion Ratio Lower Upper
84 100
49 89.6 111.6 167.4
51 48.8 35.1 52.7
86 41.0 48.9 73.3#

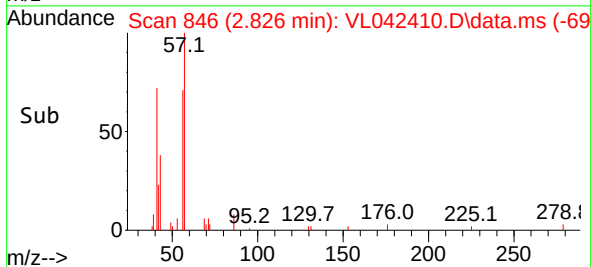
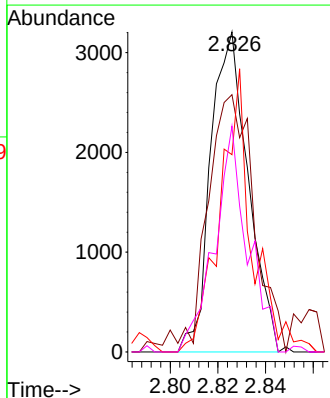
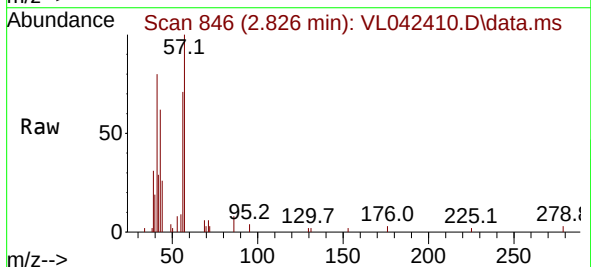
Manual Integrations
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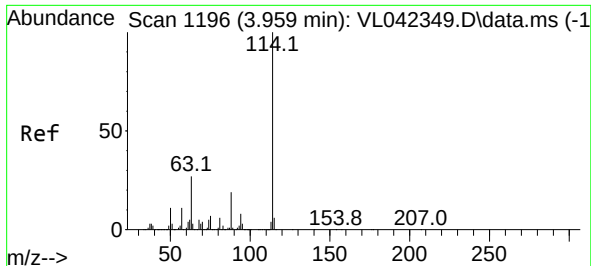
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#26
Hexane
Concen: 0.165 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042410.D
Acq: 21 Apr 2025 17:54

Tgt Ion: 57 Resp: 3495
Ion Ratio Lower Upper
57 100
41 110.7 77.9 116.9
43 75.6 208.4 312.6#
56 63.2 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.000 min

Lab File: VL042410.D

Acq: 21 Apr 2025 17:54

Instrument :

MSVOA_L

ClientSampleId :

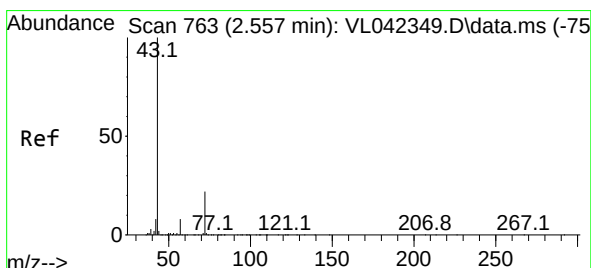
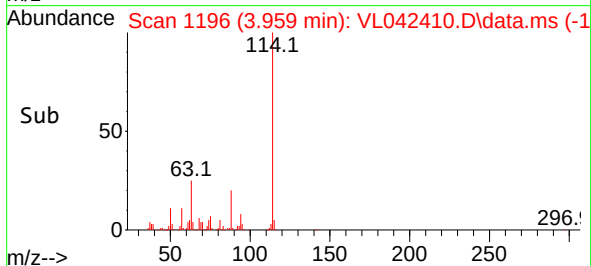
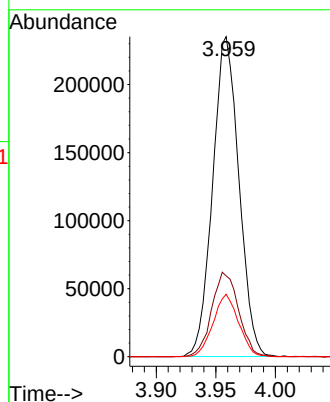
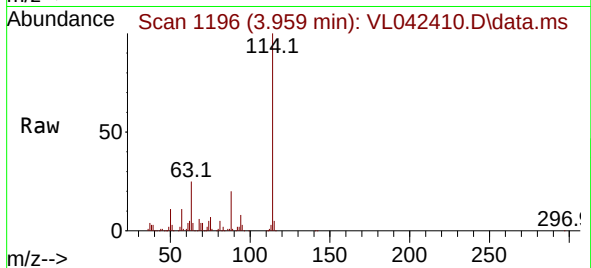
SV1DL

Tgt Ion:114 Resp: 359934
 Ion Ratio Lower Upper
 114 100
 63 27.1 21.8 32.6
 88 19.0 15.5 23.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#34

2-Butanone

Concen: 0.188 ppbv

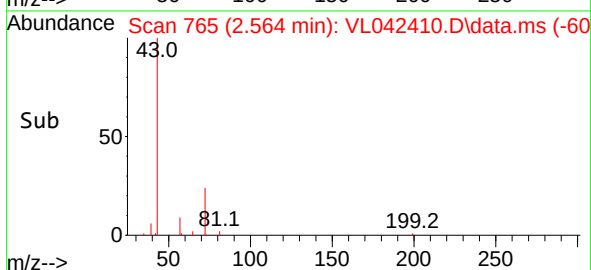
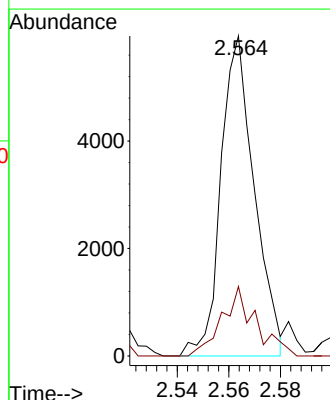
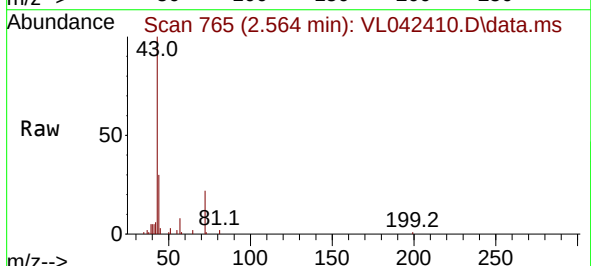
RT: 2.564 min Scan# 765

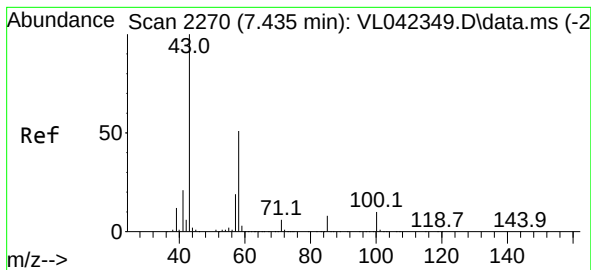
Delta R.T. 0.007 min

Lab File: VL042410.D

Acq: 21 Apr 2025 17:54

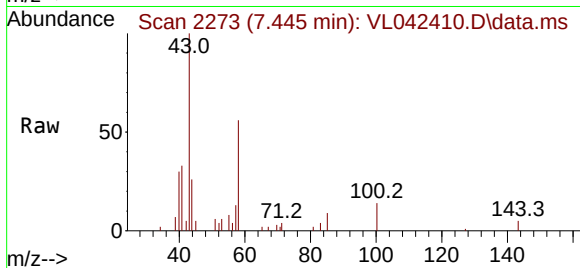
Tgt Ion: 43 Resp: 5349
 Ion Ratio Lower Upper
 43 100
 72 21.9 18.2 27.2





#51
2-Hexanone
Concen: 0.141 ppbv m
RT: 7.445 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042410.D
Acq: 21 Apr 2025 17:54

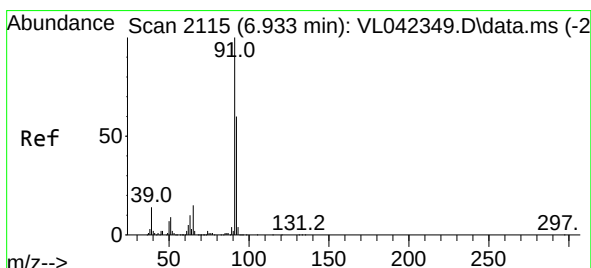
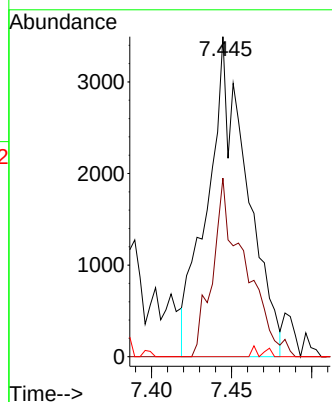
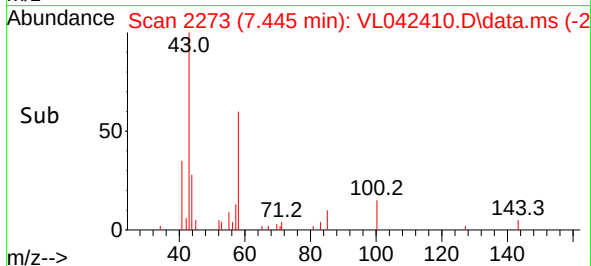
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 5975
Ion Ratio Lower Upper
43 100
58 46.0 40.2 60.4
98 0.0 0.1 0.1

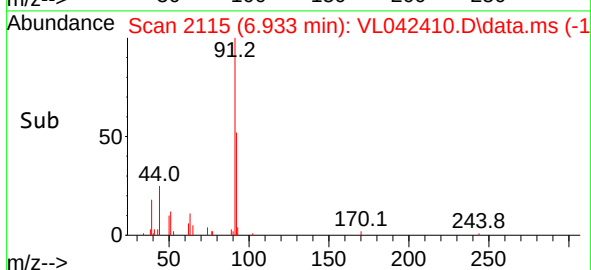
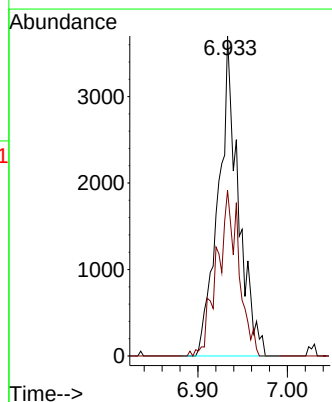
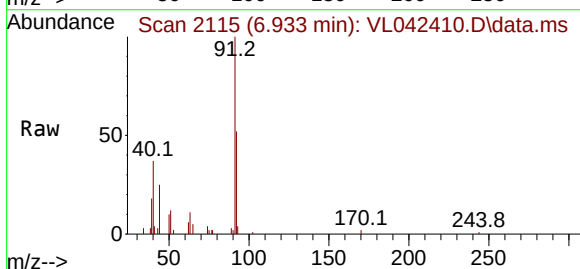
Manual Integrations
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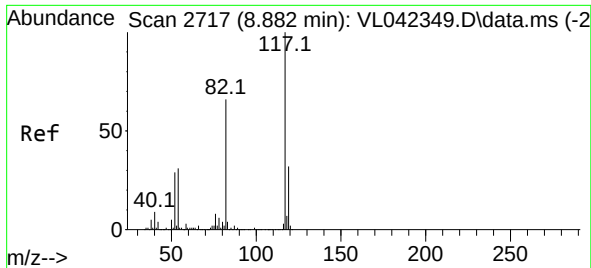
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#53
Toluene
Concen: 0.123 ppbv m
RT: 6.933 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VL042410.D
Acq: 21 Apr 2025 17:54

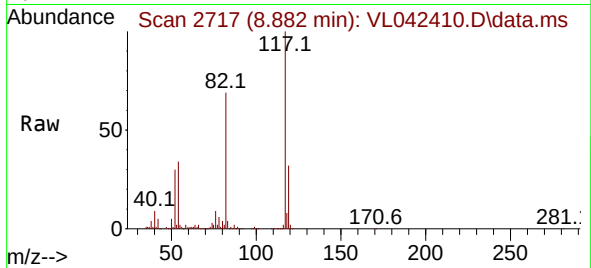
Tgt Ion: 91 Resp: 5728
Ion Ratio Lower Upper
91 100
92 56.7 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042410.D
Acq: 21 Apr 2025 17:54

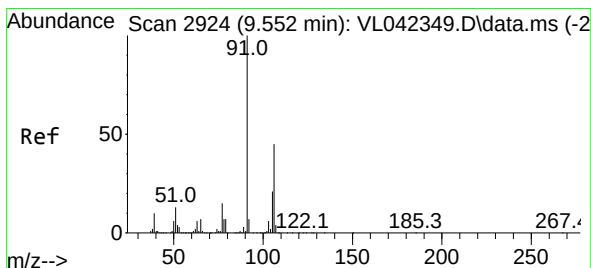
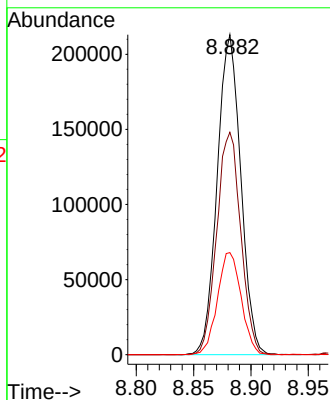
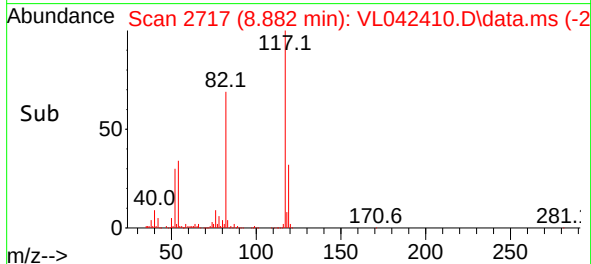
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:117 Resp: 304674
Ion Ratio Lower Upper
117 100
82 70.8 57.8 86.6
119 32.1 25.2 37.8

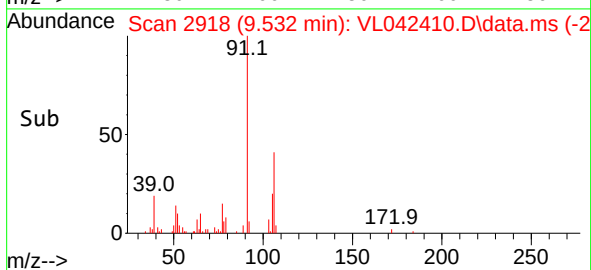
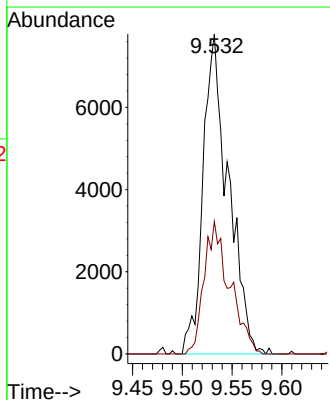
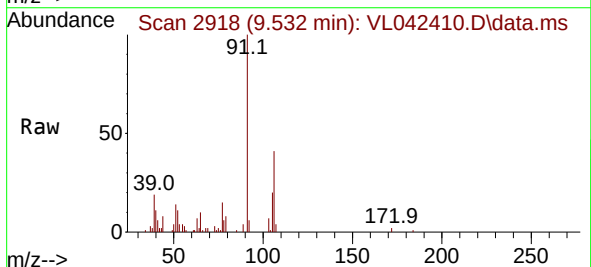
Manual Integrations
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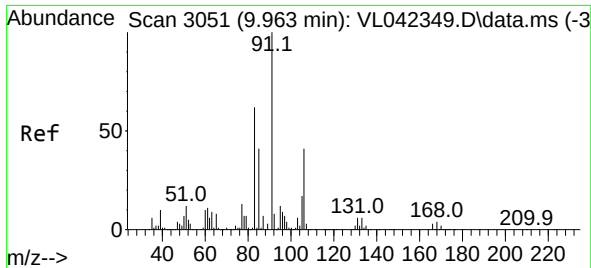
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#59
m/p-Xylene
Concen: 0.283 ppbv m
RT: 9.532 min Scan# 2918
Delta R.T. -0.019 min
Lab File: VL042410.D
Acq: 21 Apr 2025 17:54

Tgt Ion: 91 Resp: 13758
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





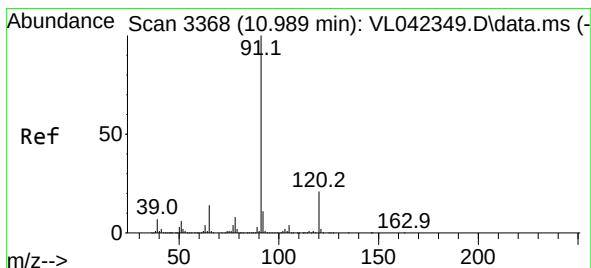
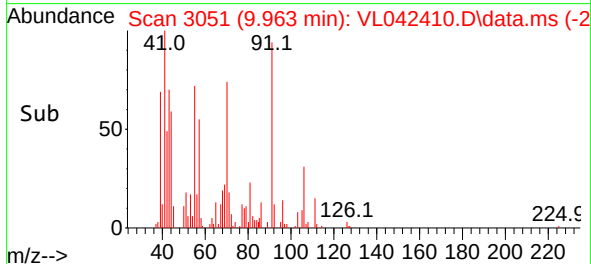
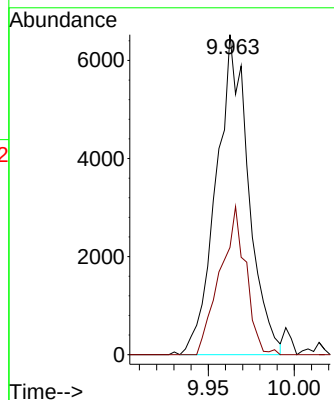
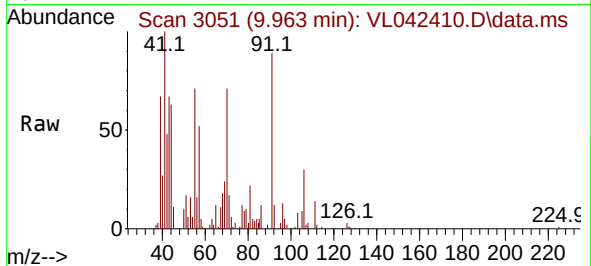
#60
o-Xylene
Concen: 0.174 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042410.D
Acq: 21 Apr 2025 17:54

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 850
Ion Ratio Lower Upper
91 100
106 37.0 21.1 63.4

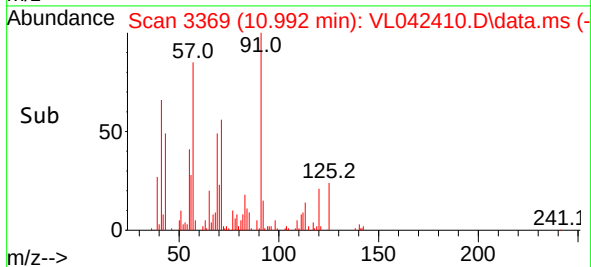
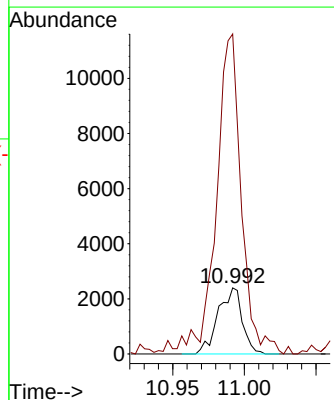
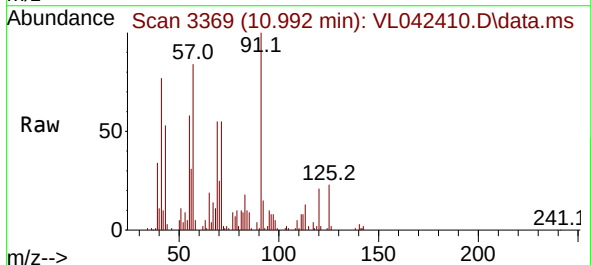
Manual Integrations
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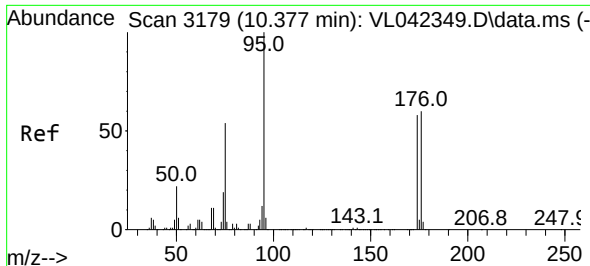
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#64
n-propylbenzene
Concen: 0.155 ppbv m
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042410.D
Acq: 21 Apr 2025 17:54

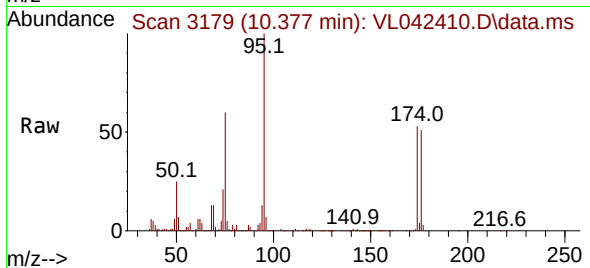
Tgt Ion:120 Resp: 2809
Ion Ratio Lower Upper
120 100
91 510.6 392.4 588.6





#68
1-Bromo-4-Fluorobenzene
Concen: 10.511 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042410.D
Acq: 21 Apr 2025 17:54

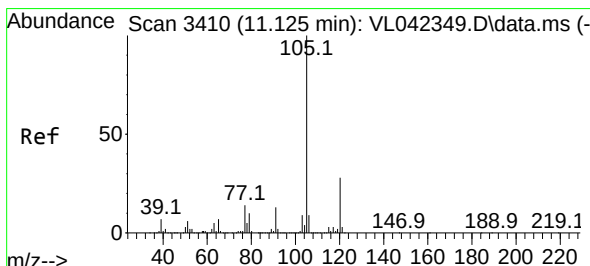
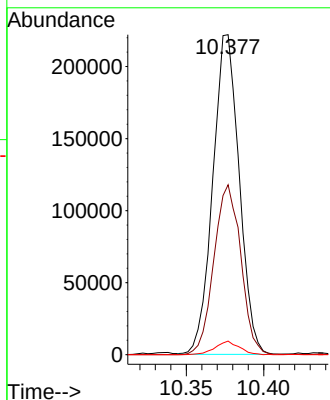
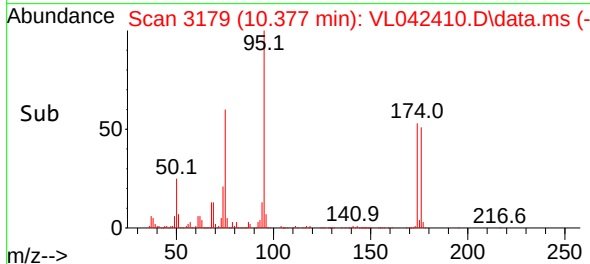
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



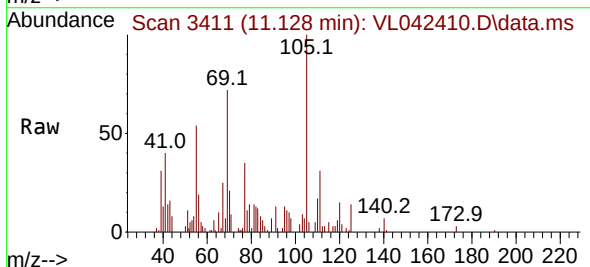
Tgt Ion: 95 Resp: 26316
Ion Ratio Lower Upper
95 100
174 54.3 48.5 72.7
175 3.9 3.7 5.5

Manual Integrations
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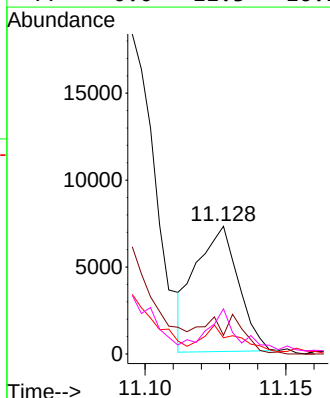
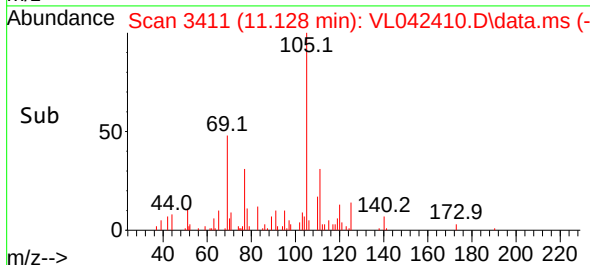
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

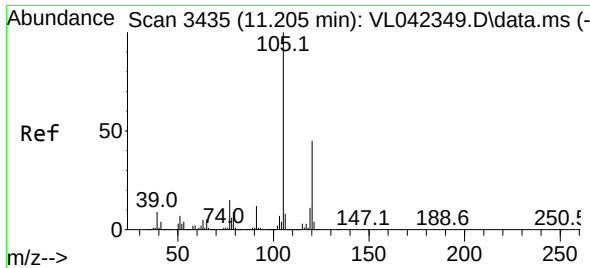


#72
4-Ethyltoluene
Concen: 0.128 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042410.D
Acq: 21 Apr 2025 17:54



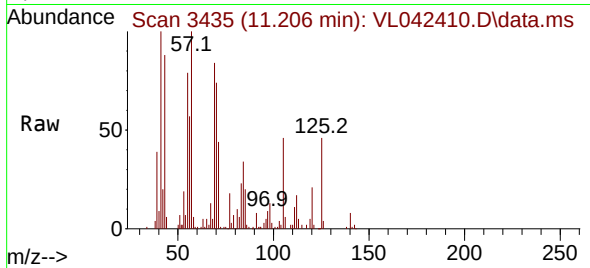
Tgt Ion:105 Resp: 7646
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 0.0 10.4 15.6#
77 0.0 11.3 16.9#





#73
 1,3,5-Trimethylbenzene
 Concen: 0.201 ppbv
 RT: 11.206 min Scan# 3435
 Delta R.T. 0.000 min
 Lab File: VL042410.D
 Acq: 21 Apr 2025 17:54

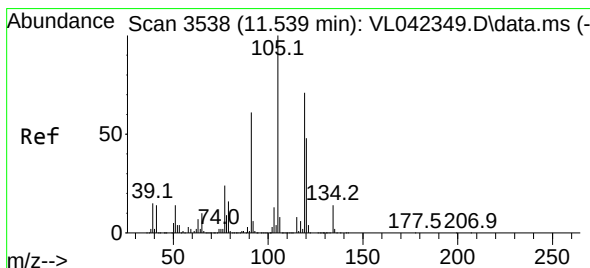
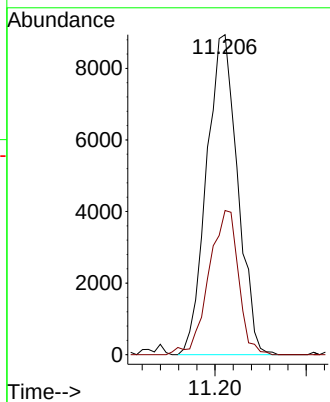
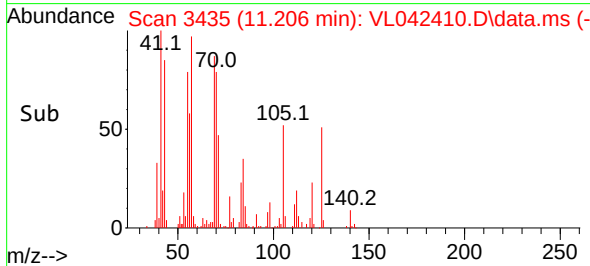
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



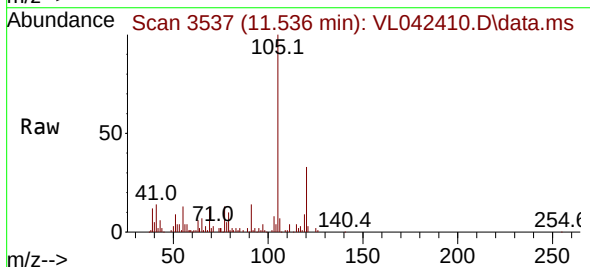
Tgt Ion:105 Resp: 10602
 Ion Ratio Lower Upper
 105 100
 120 45.1 35.6 53.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#74
 1,2,4-Trimethylbenzene
 Concen: 0.454 ppbv
 RT: 11.536 min Scan# 3537
 Delta R.T. -0.003 min
 Lab File: VL042410.D
 Acq: 21 Apr 2025 17:54



Tgt Ion:105 Resp: 28051
 Ion Ratio Lower Upper
 105 100
 120 32.8 38.1 57.1#
 91 11.7 48.8 73.2#
 77 12.0 19.0 28.4#

