

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042734.D
 Acq On : 22 Jul 2025 17:07
 Operator : SY/MD
 Sample : Q2617-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 03:03:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 23 2025
 QLast Update : Wed Jul 23 02:51:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	109688	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	320851	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	280986	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	237082	10.440	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.400%
Target Compounds						
					Qvalue	
10) Heptane	4.988	43	2892m	0.151	ppbv	
13) Ethanol	1.725	45	2868m	2.481	ppbv	
15) Acetone	1.839	43	49794	2.711	ppbv	100
20) Methylene Chloride	2.068	84	2227	0.386	ppbv #	73
26) Hexane	2.836	57	9402	0.632	ppbv #	47
32) 1,1,1-Trichloroethane	3.376	97	7615	0.295	ppbv	93
34) 2-Butanone	2.567	43	8820	0.399	ppbv	98
52) Tetrachloroethene	8.234	164	685m	0.057	ppbv	
53) Toluene	6.940	91	13751	0.409	ppbv	98
59) m/p-Xylene	9.535	91	11372m	0.303	ppbv	
60) o-Xylene	9.966	91	5507	0.145	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	4662	0.114	ppbv #	63

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

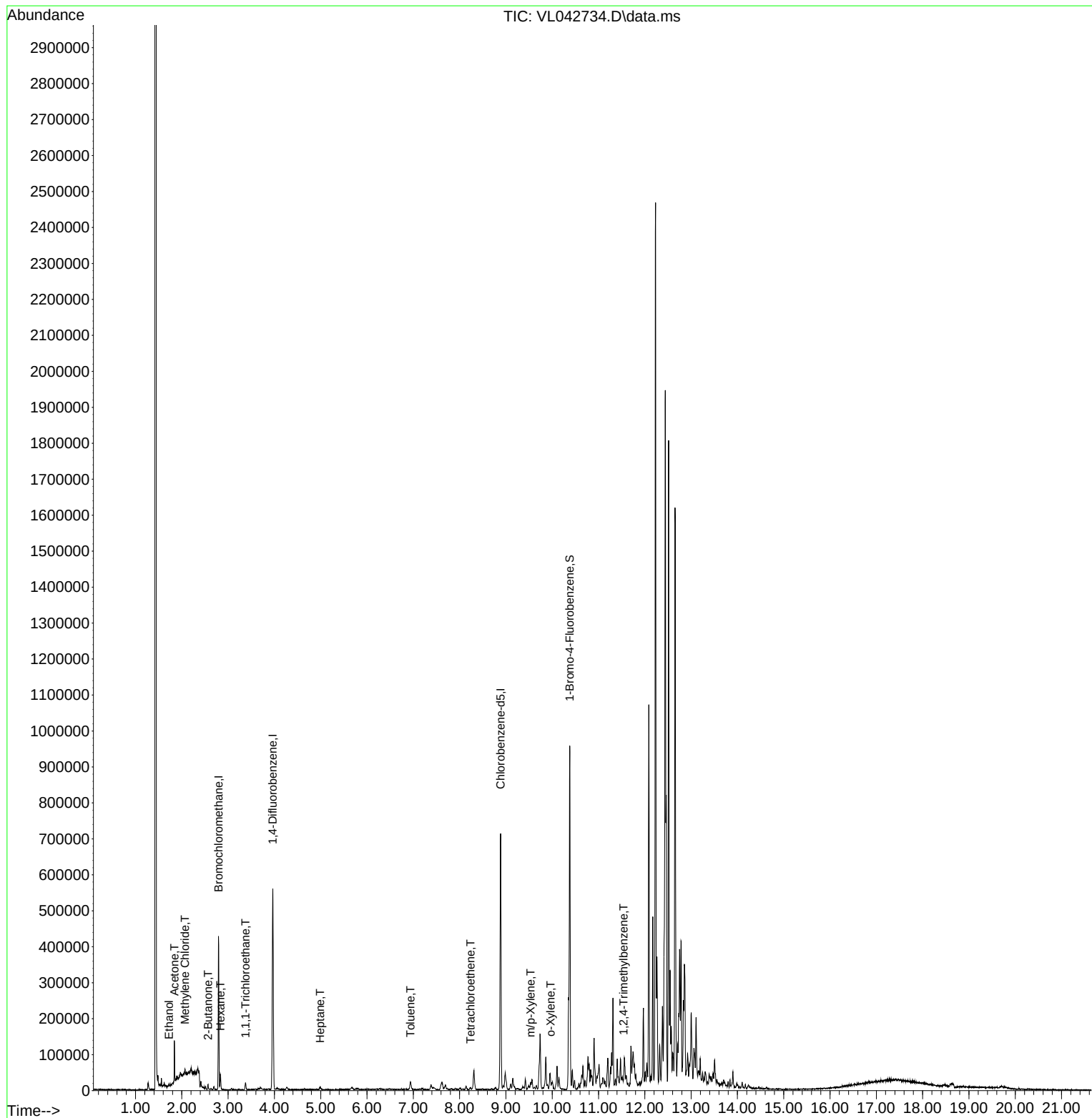
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
Data File : VL042734.D
Acq On : 22 Jul 2025 17:07
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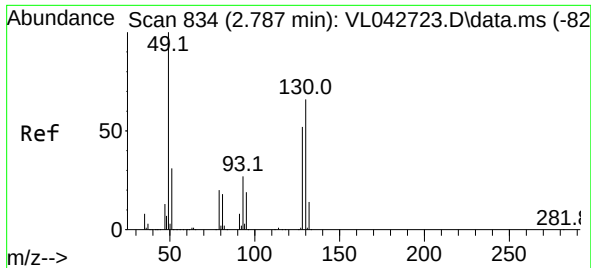
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jul 23 03:03:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jul 23 02:51:39 2025
Response via : Initial Calibration

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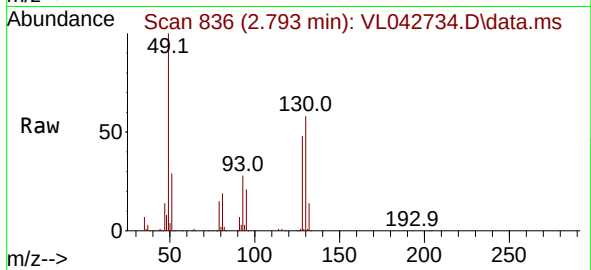
Reviewed By : Semsettin Yesilyurt 07/23/2025
Supervised By : Mahesh Dadoda 07/23/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07

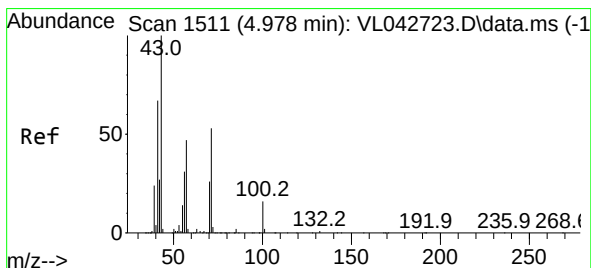
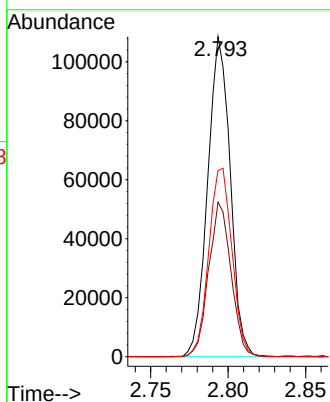
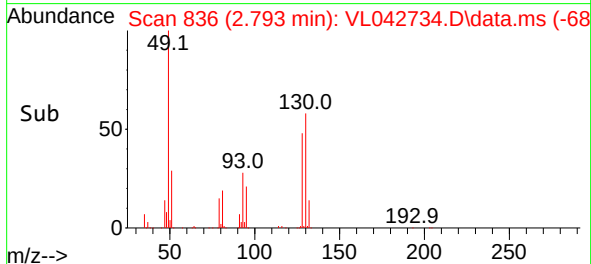
Instrument :
MSVOA_L
ClientSampleId :
SV1



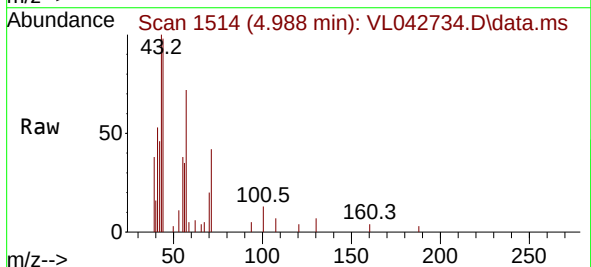
Tgt Ion: 49 Resp: 10968
Ion Ratio Lower Upper
49 100
128 47.9 24.5 73.5
130 60.9 31.7 95.1

Manual Integrations
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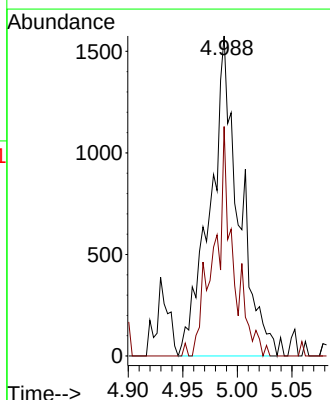
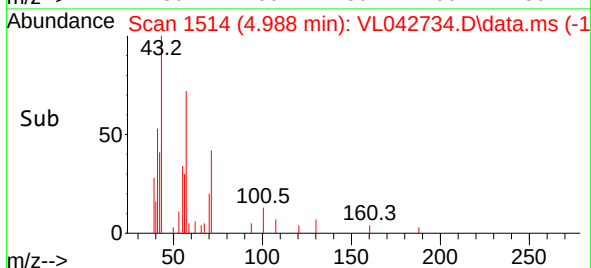
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Supervised By :Mahesh Dadoda 07/23/2025

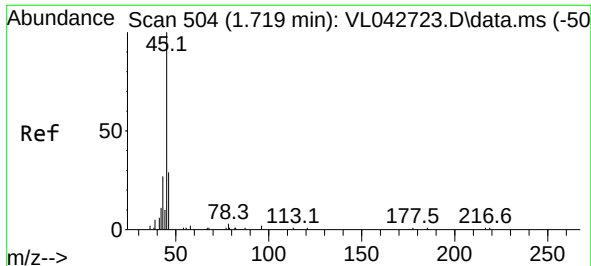


#10
Heptane
Concen: 0.151 ppbv m
RT: 4.988 min Scan# 1514
Delta R.T. 0.010 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07



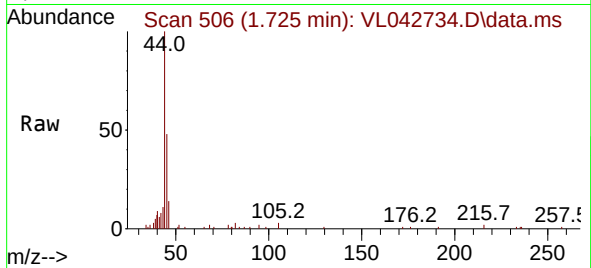
Tgt Ion: 43 Resp: 2892
Ion Ratio Lower Upper
43 100
57 47.2 39.1 58.7





#13
Ethanol
Concen: 2.481 ppbv m
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07

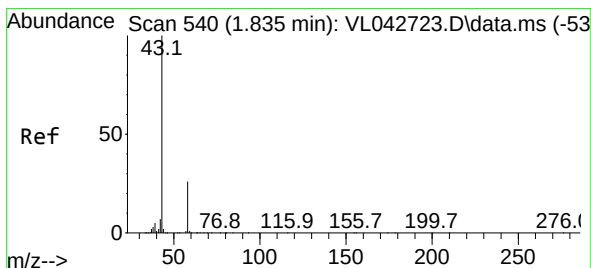
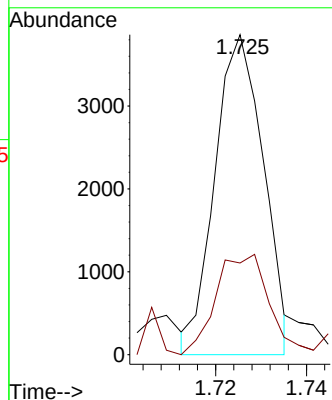
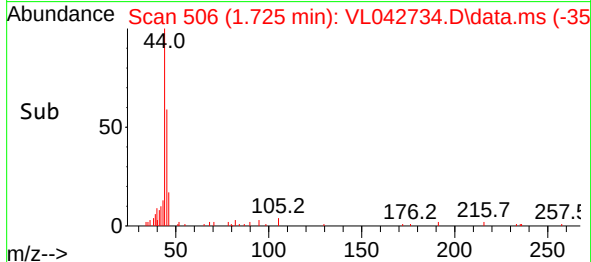
Instrument :
MSVOA_L
ClientSampleId :
SV1



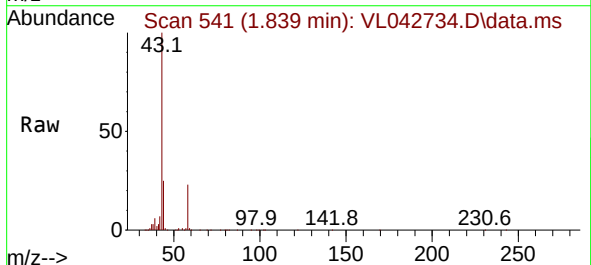
Tgt Ion: 45 Resp: 2868
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.1

Manual Integrations
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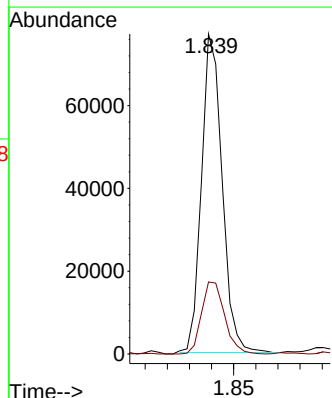
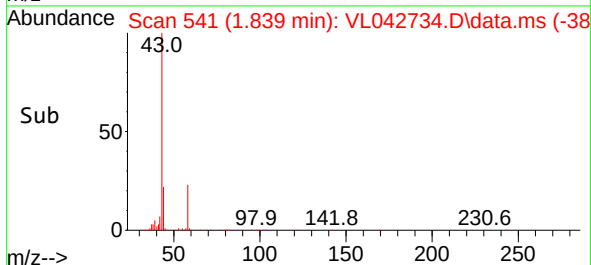
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

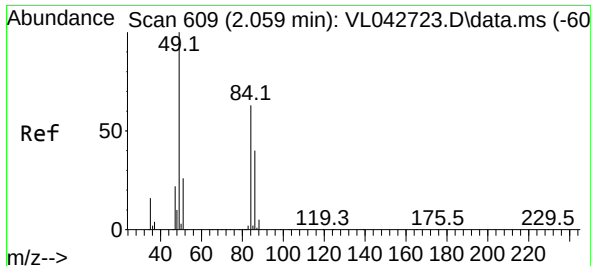


#15
Acetone
Concen: 2.711 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07



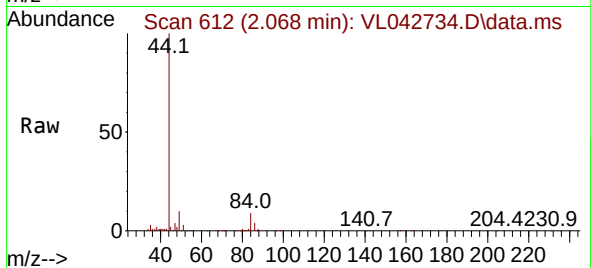
Tgt Ion: 43 Resp: 49794
Ion Ratio Lower Upper
43 100
58 25.8 20.5 30.7





#20
Methylene Chloride
Concen: 0.386 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.010 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07

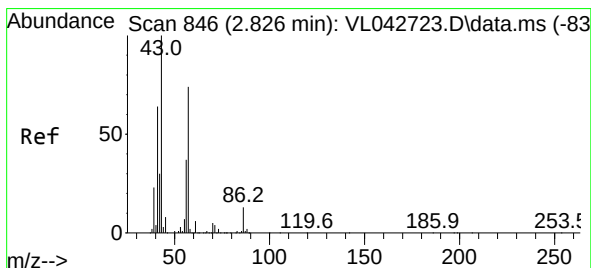
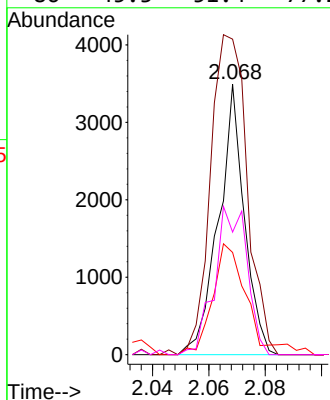
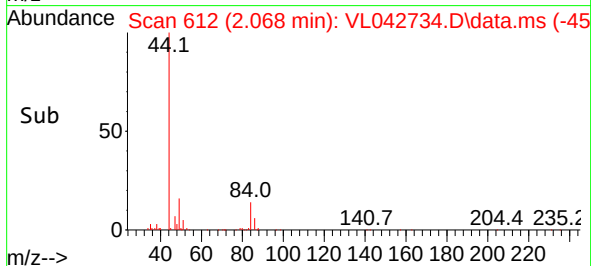
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 222
Ion Ratio Lower Upper
84 100
49 116.7 128.2 192.4
51 37.8 34.5 51.7
86 45.3 51.4 77.2#

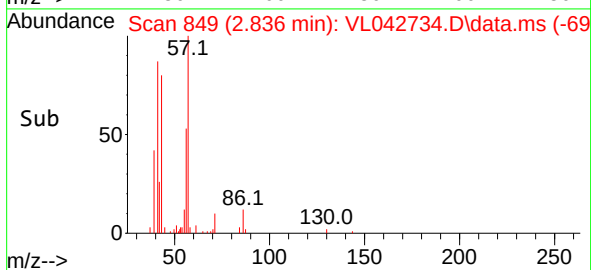
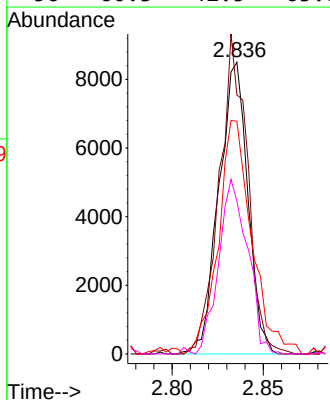
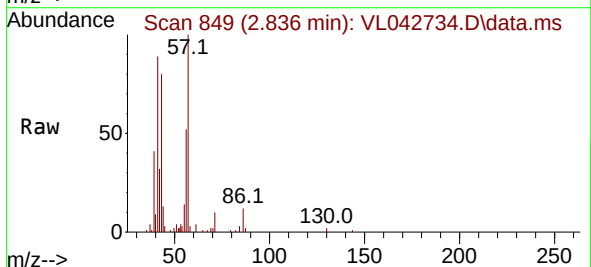
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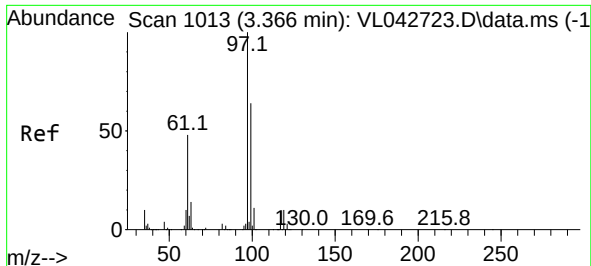
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#26
Hexane
Concen: 0.632 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.010 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07

Tgt Ion: 57 Resp: 9402
Ion Ratio Lower Upper
57 100
41 106.9 77.3 115.9
43 94.2 182.3 273.5#
56 60.3 42.5 63.7





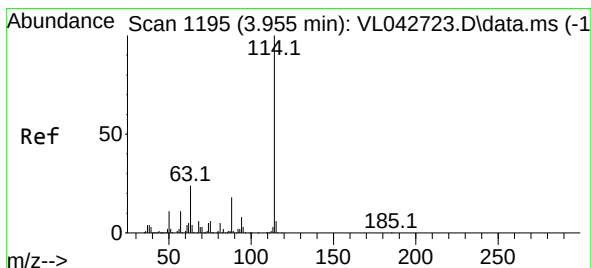
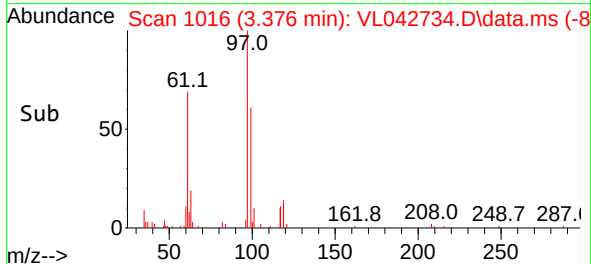
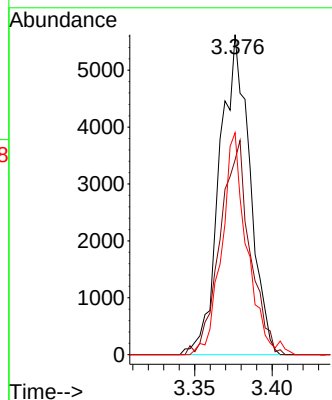
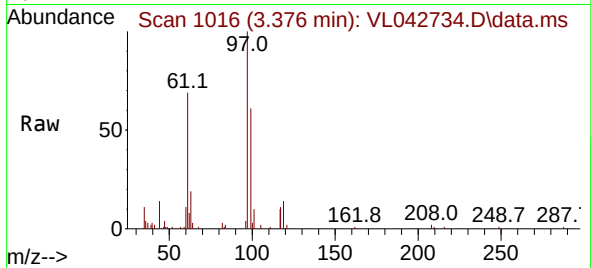
#32
1,1,1-Trichloroethane
Concen: 0.295 ppbv
RT: 3.376 min Scan# 1013
Delta R.T. 0.010 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 97 Resp: 761
Ion Ratio Lower Upper
97 100
99 66.3 51.4 77.0
61 58.2 39.6 59.4

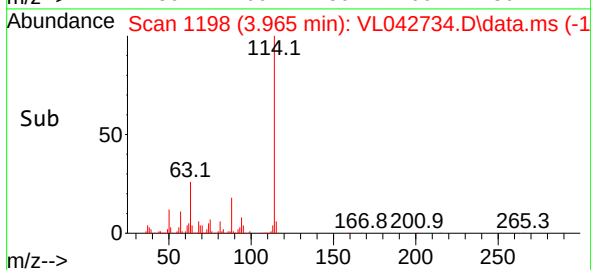
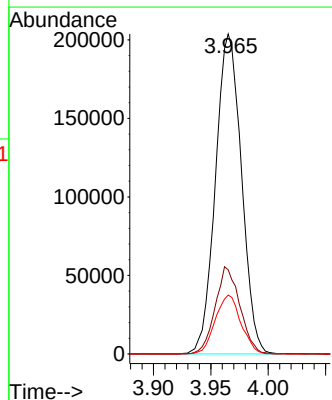
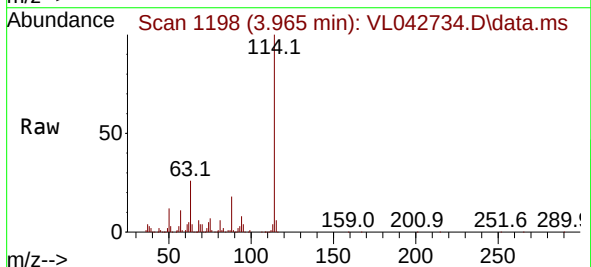
Manual Integrations
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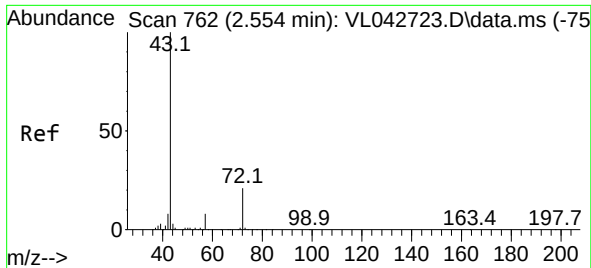
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.010 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07

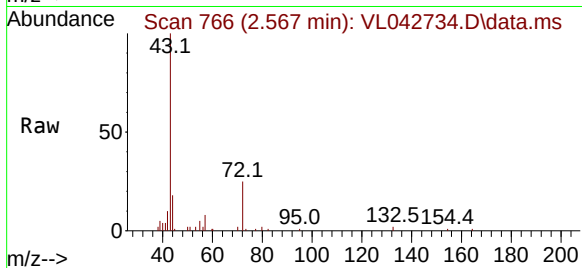
Tgt Ion:114 Resp: 320851
Ion Ratio Lower Upper
114 100
63 25.9 20.4 30.6
88 18.2 14.5 21.7





#34
2-Butanone
Concen: 0.399 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.013 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07

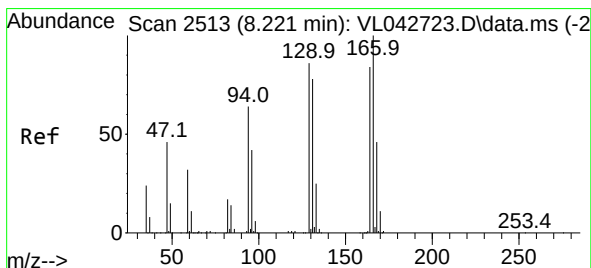
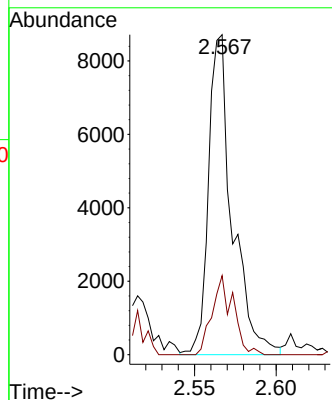
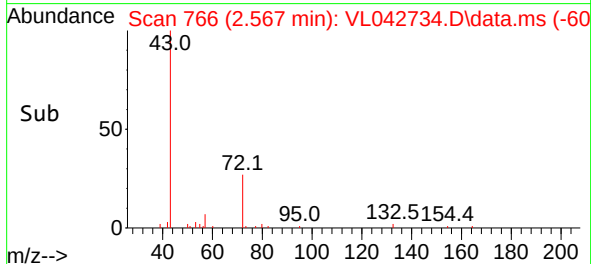
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 8820
Ion Ratio Lower Upper
43 100
72 22.1 17.0 25.6

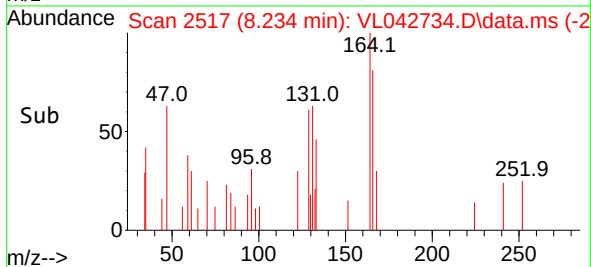
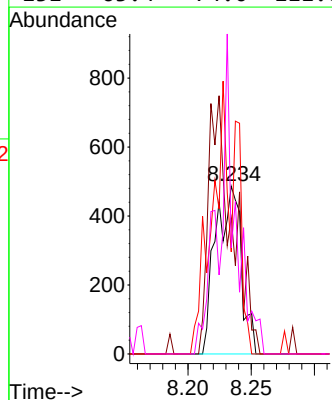
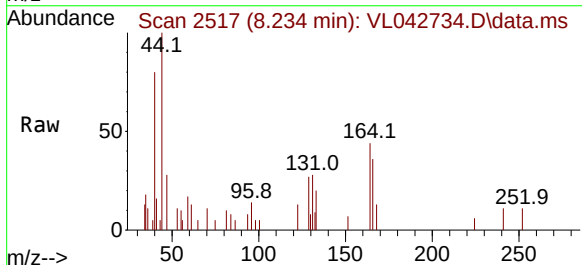
Manual Integrations
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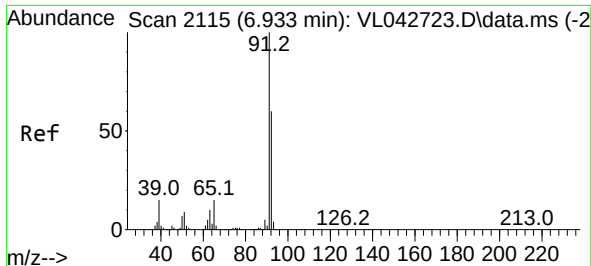
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#52
Tetrachloroethene
Concen: 0.057 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. 0.013 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07

Tgt Ion:164 Resp: 685
Ion Ratio Lower Upper
164 100
166 81.3 95.1 142.7#
129 60.9 81.9 122.9#
131 63.4 74.0 111.0#





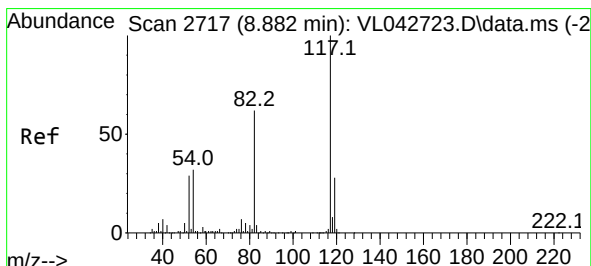
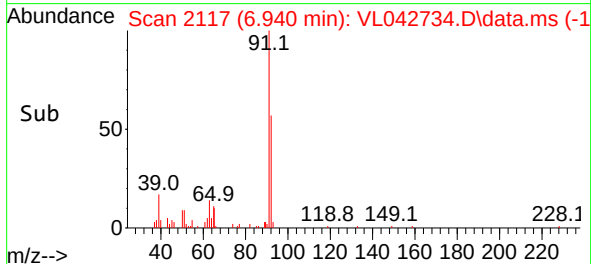
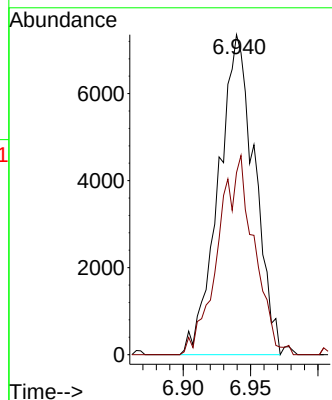
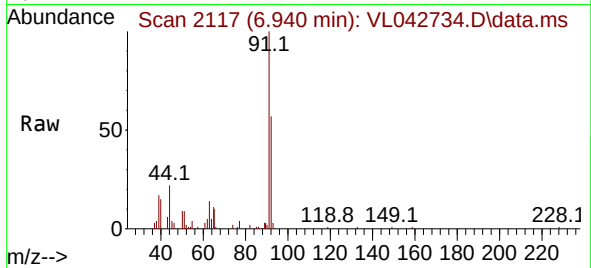
#53
Toluene
Concen: 0.409 ppbv
RT: 6.940 min Scan# 2115
Delta R.T. 0.006 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 1375
Ion Ratio Lower Upper
91 100
92 62.1 48.2 72.4

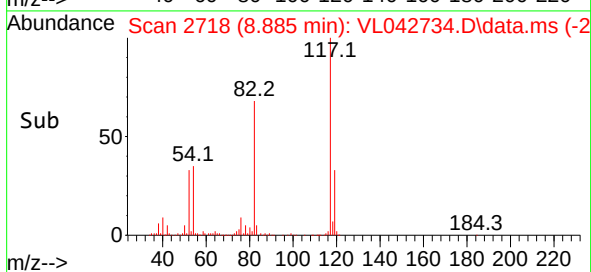
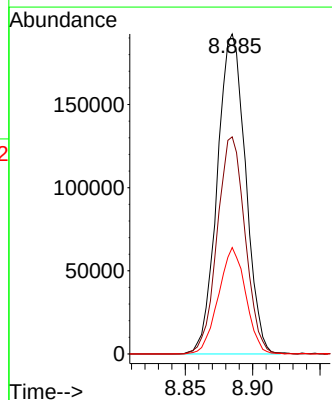
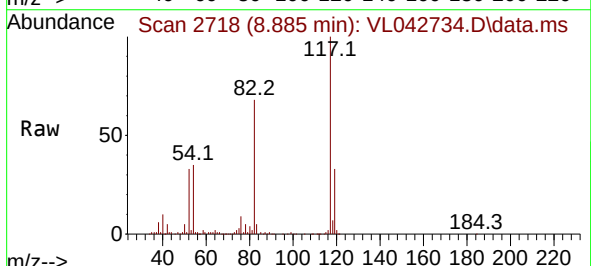
Manual Integrations
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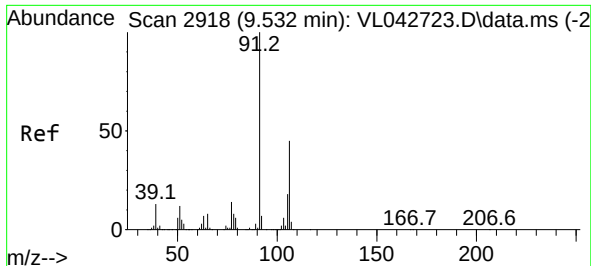
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.003 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07

Tgt Ion:117 Resp: 280986
Ion Ratio Lower Upper
117 100
82 67.0 54.6 81.8
119 32.2 25.3 37.9





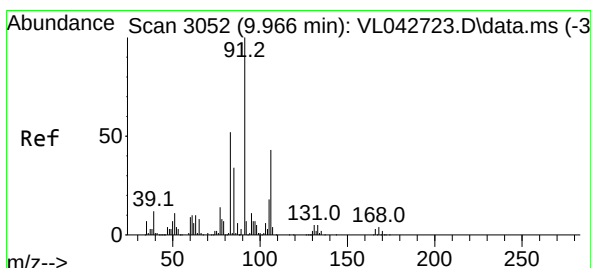
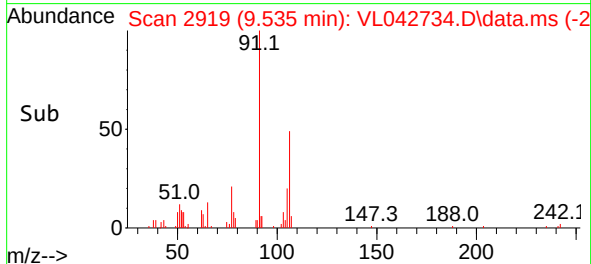
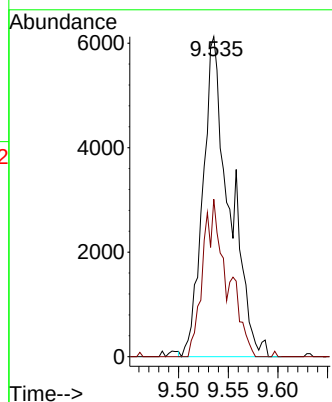
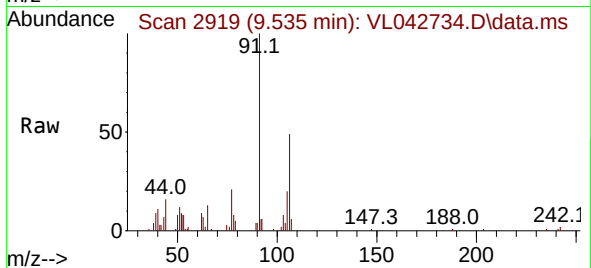
#59
m/p-Xylene
Concen: 0.303 ppbv m
RT: 9.535 min Scan# 2918
Delta R.T. 0.003 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 11372
Ion Ratio Lower Upper
91 100
106 45.6 37.3 55.9

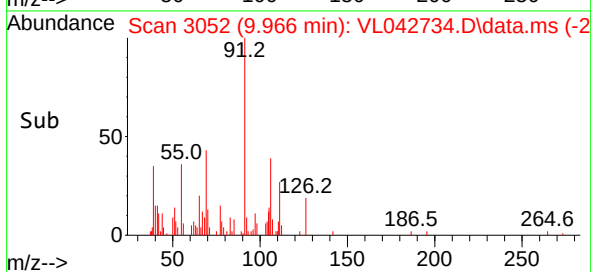
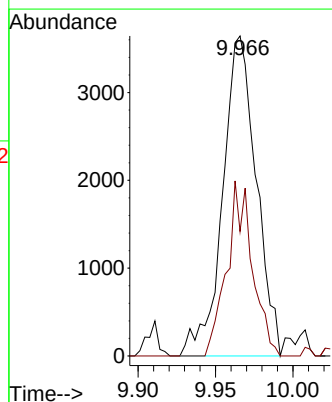
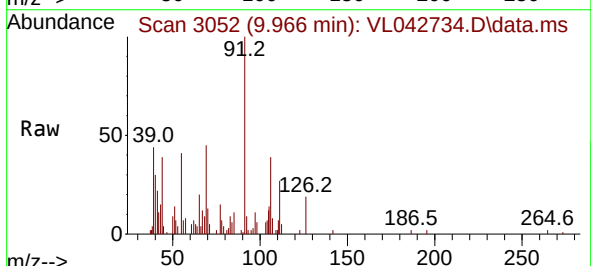
Manual Integrations
APPROVED

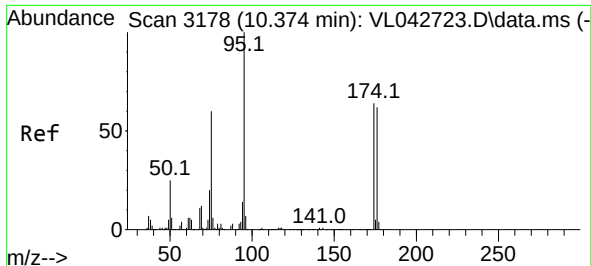
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#60
o-Xylene
Concen: 0.145 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07

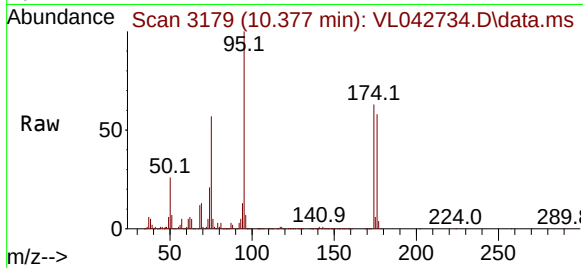
Tgt Ion: 91 Resp: 5507
Ion Ratio Lower Upper
91 100
106 41.4 21.4 64.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.440 ppbv
RT: 10.377 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07

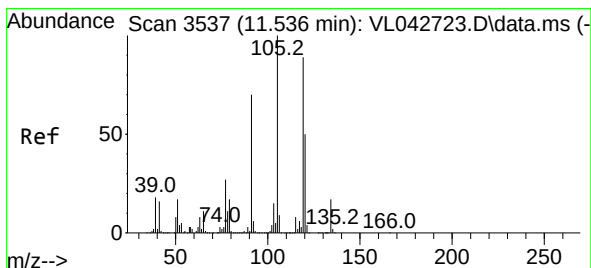
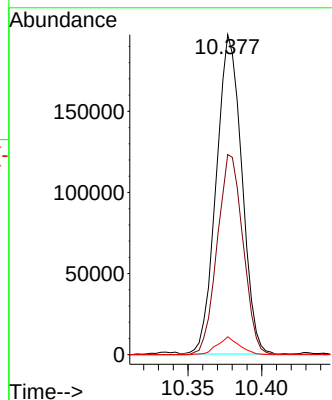
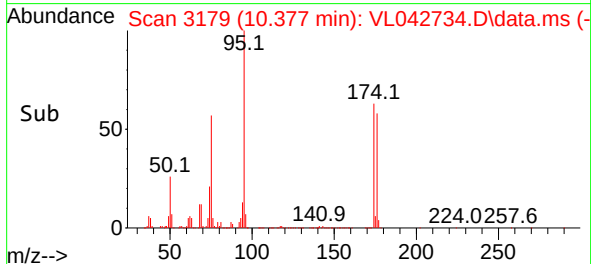
Instrument :
MSVOA_L
ClientSampleId :
SV1



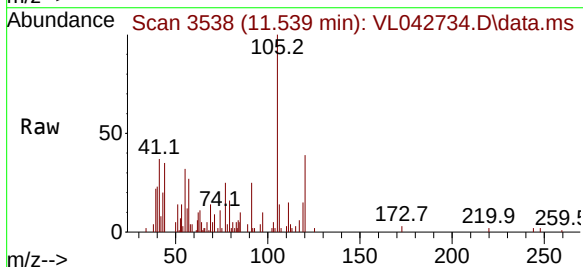
Tgt Ion: 95 Resp: 23708
Ion Ratio Lower Upper
95 100
174 63.3 51.4 77.2
175 4.9 4.2 6.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.114 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042734.D
Acq: 22 Jul 2025 17:07



Tgt Ion:105 Resp: 4662
Ion Ratio Lower Upper
105 100
120 39.5 39.9 59.9#
91 21.1 56.5 84.7#
77 18.3 21.8 32.6#

