

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042276.D
 Acq On : 08 Apr 2025 23:13
 Operator : SY/MD
 Sample : Q1728-09DUP 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B2-1-04022025DUP

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/09/2025
 Supervised By :Semsettin Yesilyurt 04/10/2025

Quant Time: Apr 09 02:01:58 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	158259	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	390082	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	405082	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	316771	9.522	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.200%
Target Compounds						
					Qvalue	
13) Ethanol	1.722	45	3667m	3.545	ppbv	
15) Acetone	1.839	43	47636	2.152	ppbv	94
20) Methylene Chloride	2.062	84	2303	0.279	ppbv	93
29) Chloroform	2.852	83	11762	0.362	ppbv	88
34) 2-Butanone	2.567	43	3544	0.125	ppbv	91
53) Toluene	6.936	91	18286	0.399	ppbv	95
58) Ethyl Benzene	9.357	91	36098	0.502	ppbv	100
59) m/p-Xylene	9.532	91	497808	8.664	ppbv	100
60) o-Xylene	9.966	91	414511	7.197	ppbv	96
62) Isopropylbenzene	10.545	105	32420	0.376	ppbv	99
64) n-propylbenzene	10.992	120	11693m	0.527	ppbv	
65) tert-Butylbenzene	11.539	119	89265	1.121	ppbv #	76
67) sec-Butylbenzene	11.772	105	32418	0.293	ppbv #	66
69) p-Isopropyltoluene	11.927	119	36608	0.384	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	436966	6.977	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	732665	10.154	ppbv #	66

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

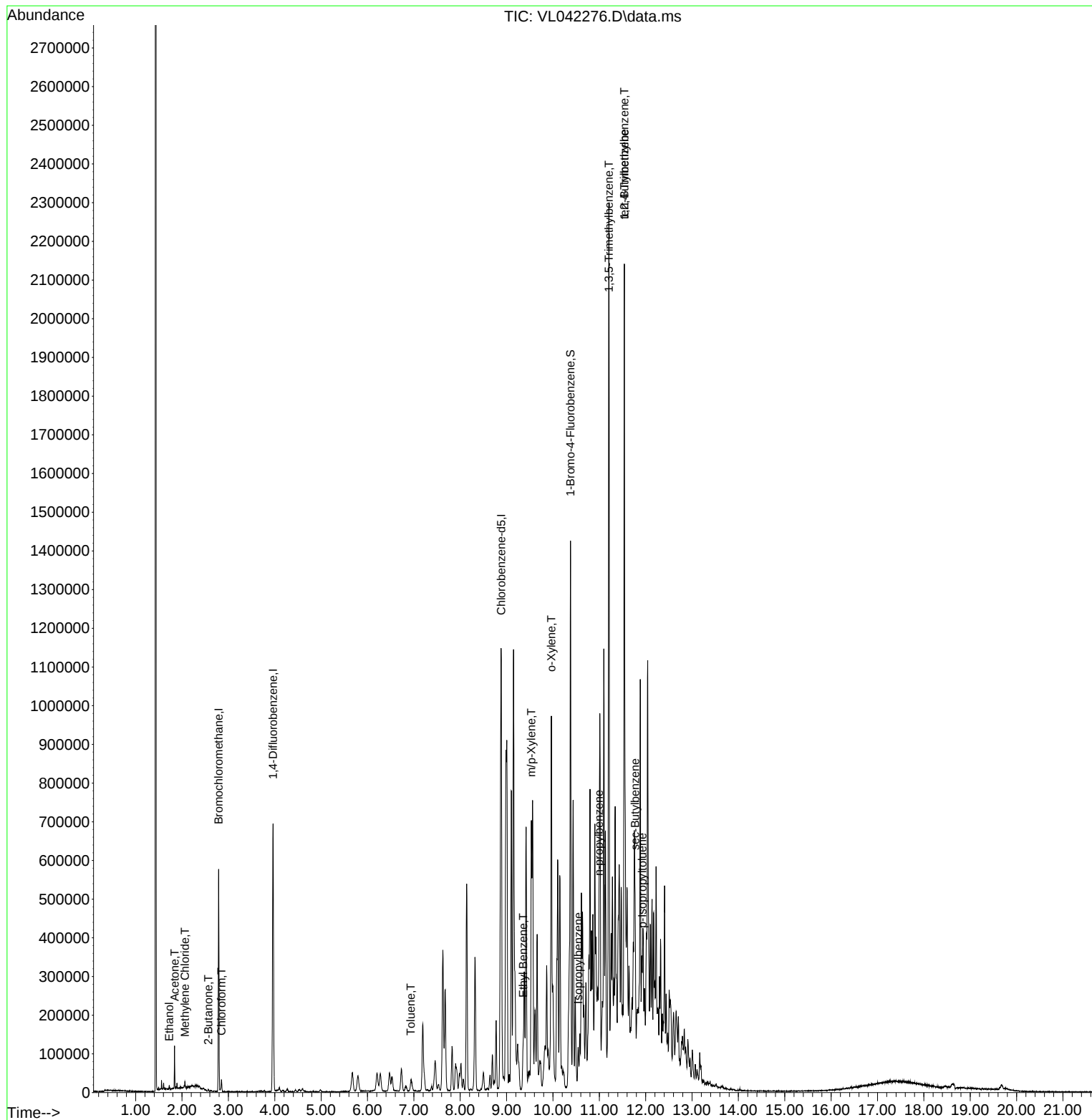
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042276.D
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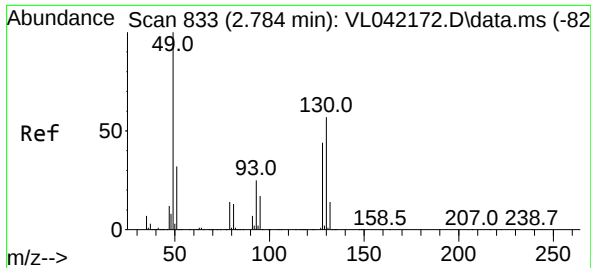
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025DUP

Quant Time: Apr 09 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

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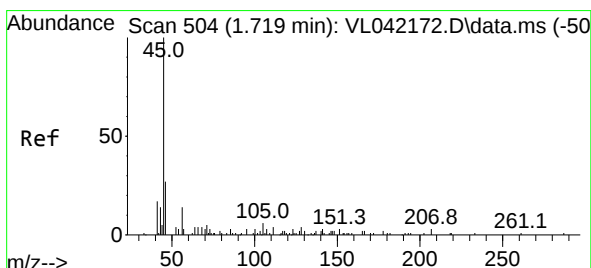
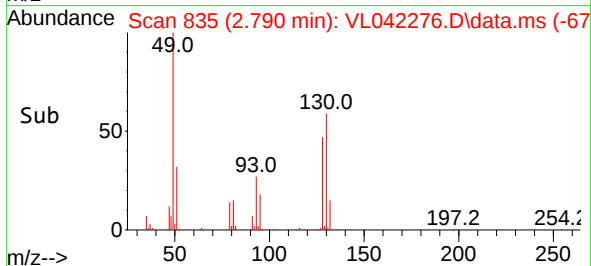
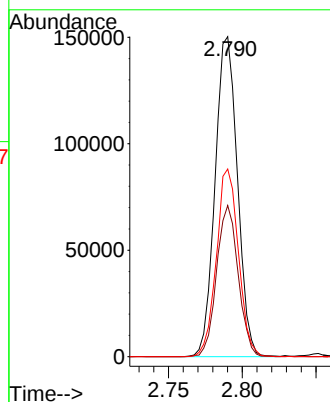
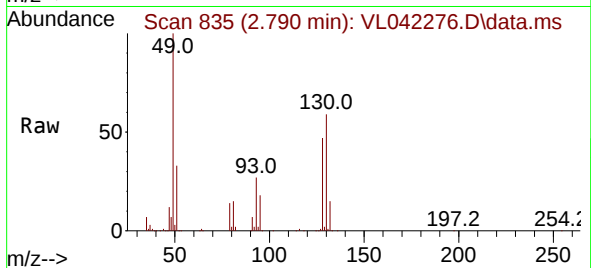
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042276.D
Acq: 08 Apr 2025 23:13

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025DUP

Tgt Ion: 49 Resp: 158259
Ion Ratio Lower Upper
49 100
128 45.7 22.9 68.5
130 57.9 28.8 86.4

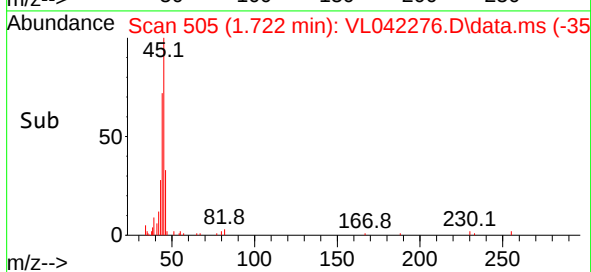
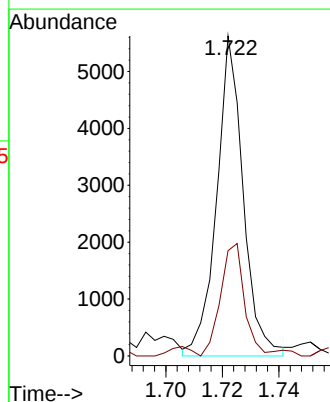
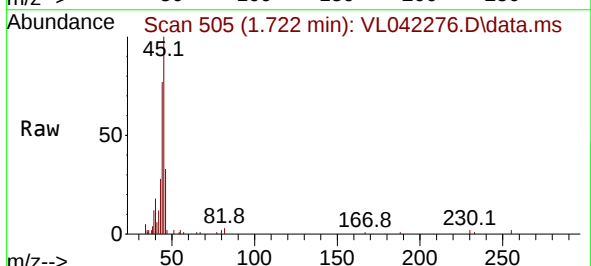
Manual Integrations
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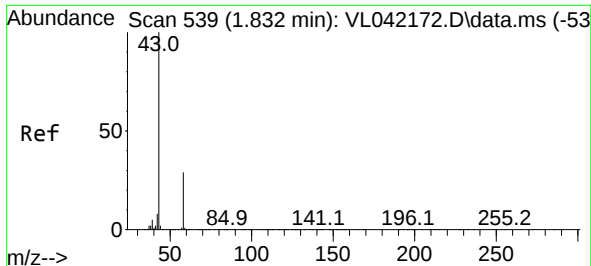
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#13
Ethanol
Concen: 3.545 ppbv m
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042276.D
Acq: 08 Apr 2025 23:13

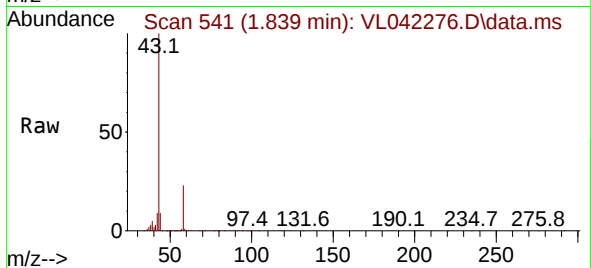
Tgt Ion: 45 Resp: 3667
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





#15
Acetone
Concen: 2.152 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042276.D
Acq: 08 Apr 2025 23:13

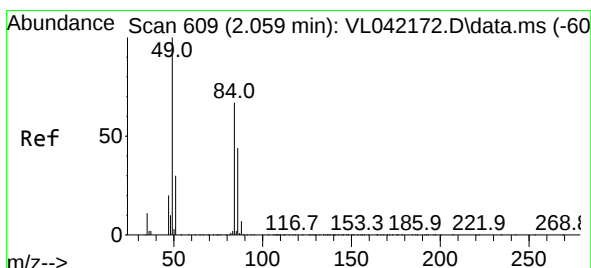
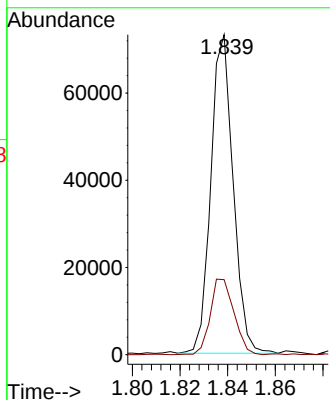
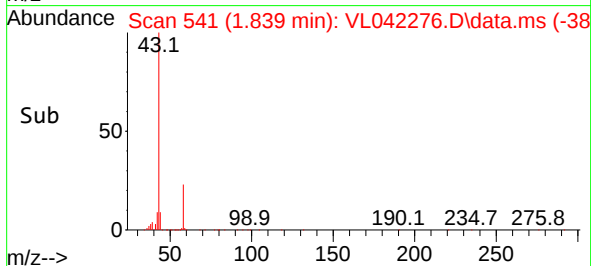
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025DUP



Tgt Ion: 43 Resp: 47630
Ion Ratio Lower Upper
43 100
58 25.6 23.2 34.8

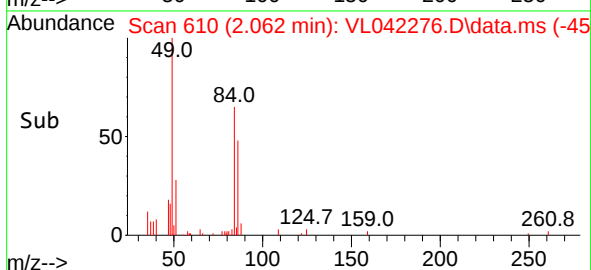
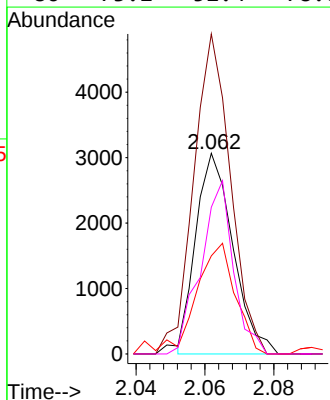
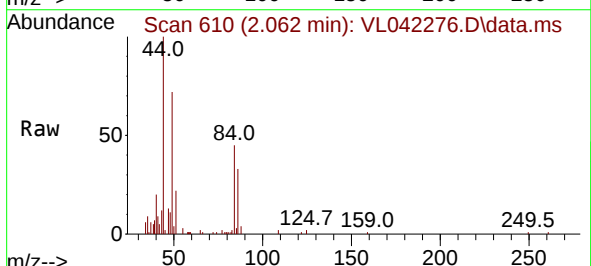
Manual Integrations
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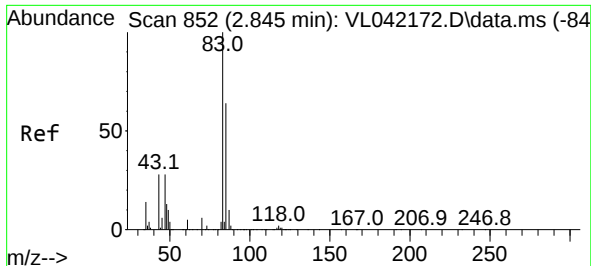
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#20
Methylene Chloride
Concen: 0.279 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042276.D
Acq: 08 Apr 2025 23:13

Tgt Ion: 84 Resp: 2303
Ion Ratio Lower Upper
84 100
49 159.5 120.2 180.4
51 48.9 37.4 56.0
86 73.2 52.4 78.6





#29

Chloroform

Concen: 0.362 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042276.D

Acq: 08 Apr 2025 23:13

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-1-04022025DUP

Tgt Ion: 83 Resp: 11762

Ion Ratio Lower Upper

83 100

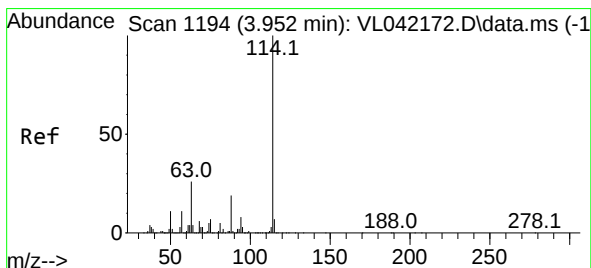
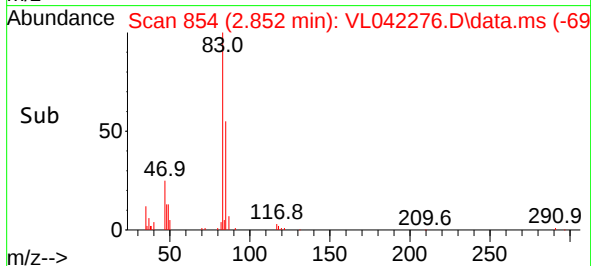
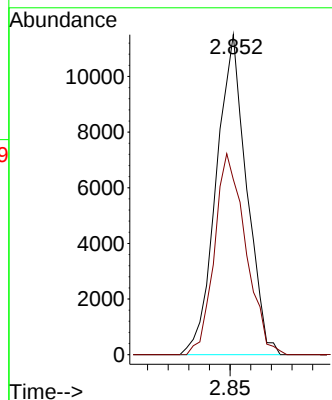
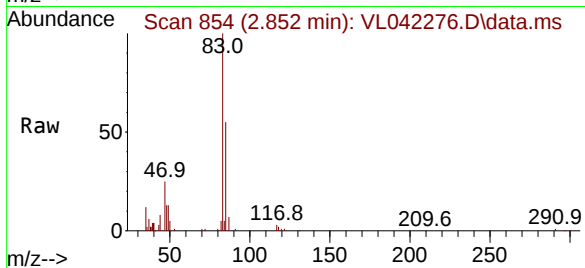
85 54.8 51.4 77.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 04/10/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.009 min

Lab File: VL042276.D

Acq: 08 Apr 2025 23:13

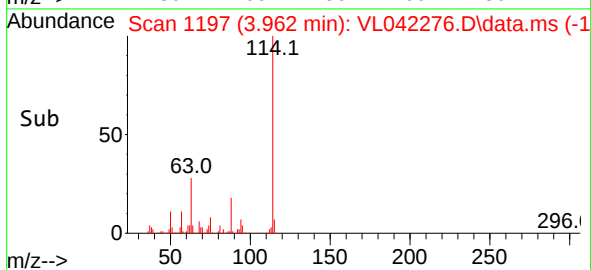
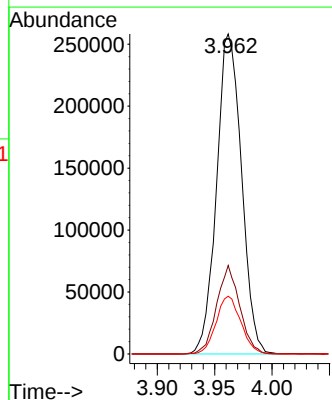
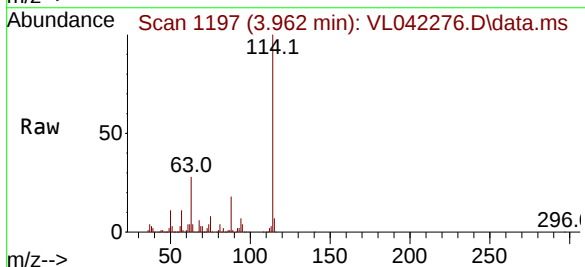
Tgt Ion:114 Resp: 390082

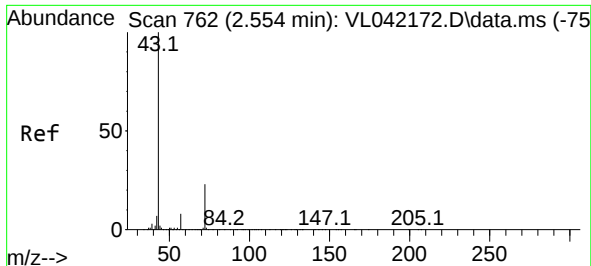
Ion Ratio Lower Upper

114 100

63 25.7 20.7 31.1

88 17.9 15.0 22.4





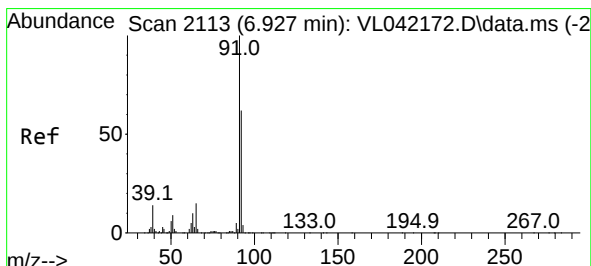
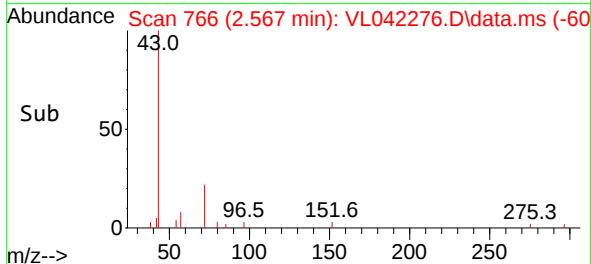
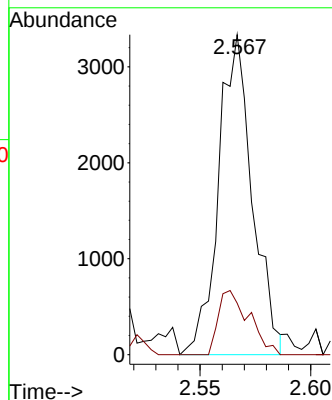
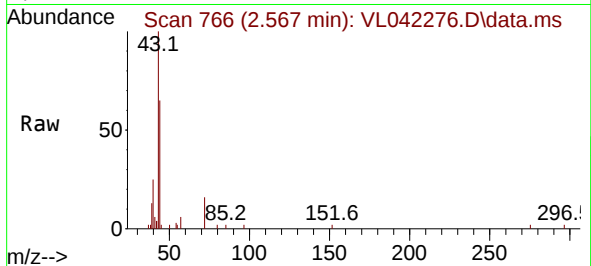
#34
2-Butanone
Concen: 0.125 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.013 min
Lab File: VL042276.D
Acq: 08 Apr 2025 23:13

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025DUP

Tgt Ion: 43 Resp: 3544
Ion Ratio Lower Upper
43 100
72 18.3 18.2 27.2

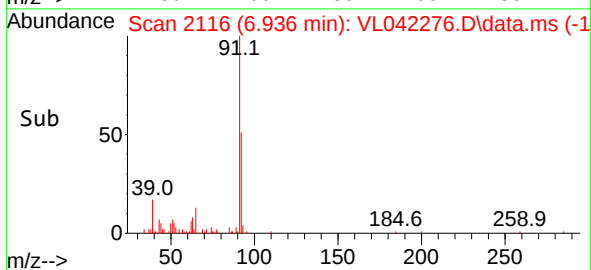
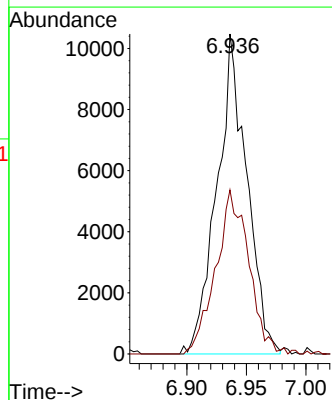
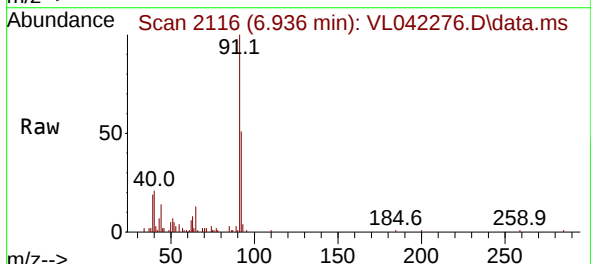
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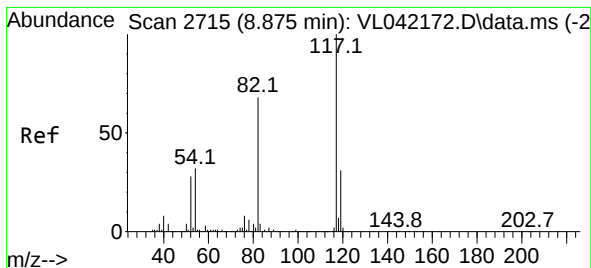
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#53
Toluene
Concen: 0.399 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.009 min
Lab File: VL042276.D
Acq: 08 Apr 2025 23:13

Tgt Ion: 91 Resp: 18286
Ion Ratio Lower Upper
91 100
92 56.6 48.4 72.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 21

Delta R.T. 0.009 min

Lab File: VL042276.D

Acq: 08 Apr 2025 23:13

Instrument :

MSVOA_L

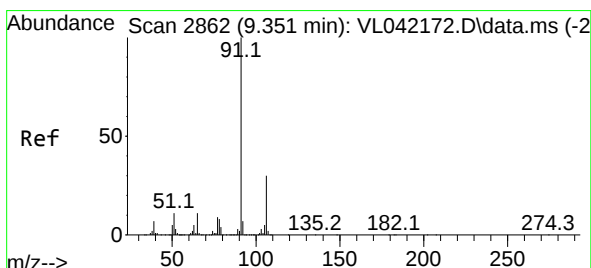
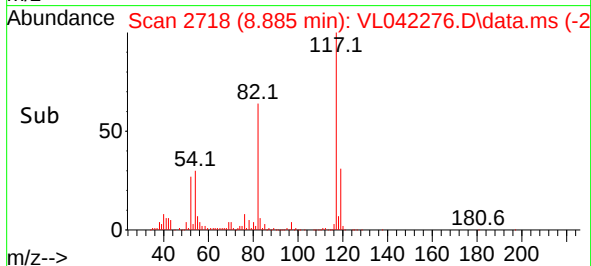
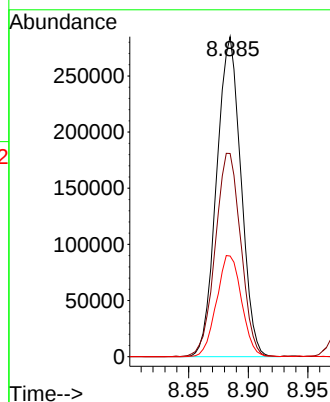
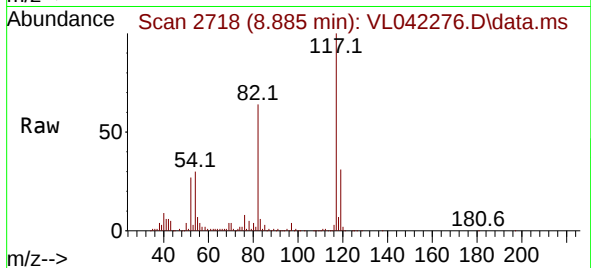
ClientSampleId :

SSSG-B2-1-04022025DUP

Tgt Ion:	117	Resp:	40508
Ion Ratio	Lower	Upper	
117	100		
82	66.7	55.8	83.6
119	32.7	25.5	38.3

Manual Integrations
APPROVED

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Supervised By :Semsettin Yesilyurt 04/10/2025



#58

Ethyl Benzene

Concen: 0.502 ppbv

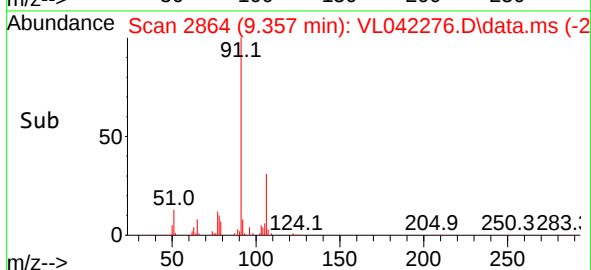
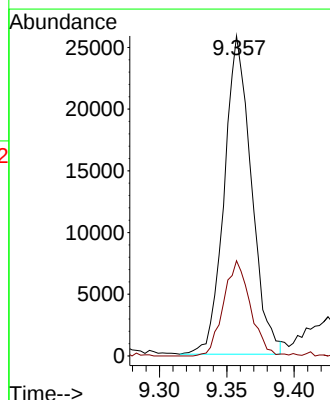
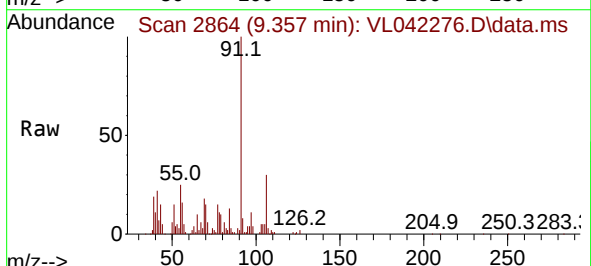
RT: 9.357 min Scan# 2864

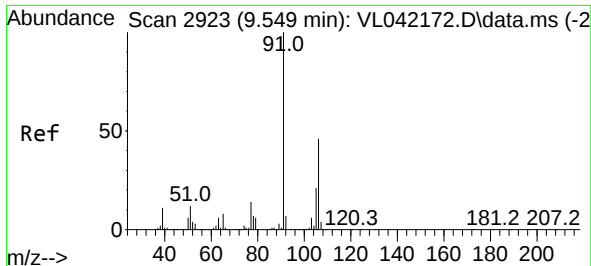
Delta R.T. 0.006 min

Lab File: VL042276.D

Acq: 08 Apr 2025 23:13

Tgt Ion:	91	Resp:	36098
Ion Ratio	Lower	Upper	
91	100		
106	29.9	24.2	36.2





#59

m/p-Xylene

Concen: 8.664 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. -0.016 min

Lab File: VL042276.D

Acq: 08 Apr 2025 23:13

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-1-04022025DUP

Tgt Ion: 91 Resp: 497808

Ion Ratio Lower Upper

91 100

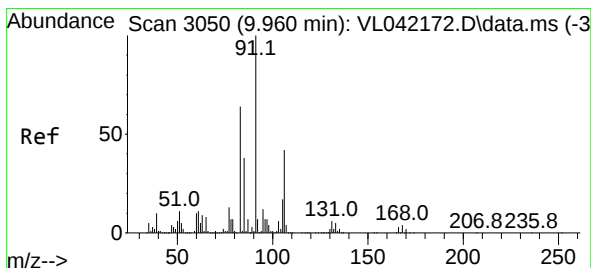
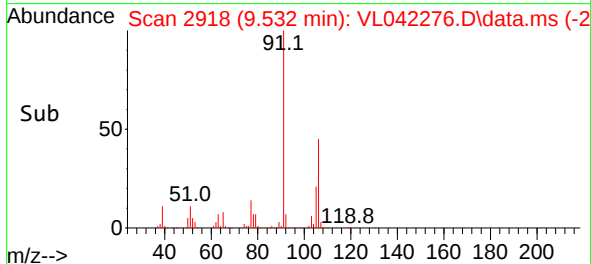
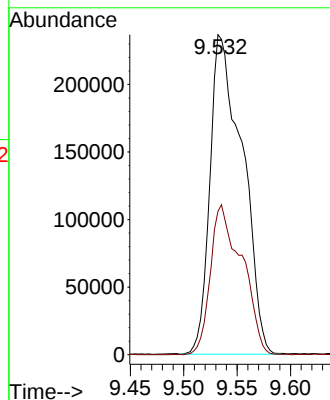
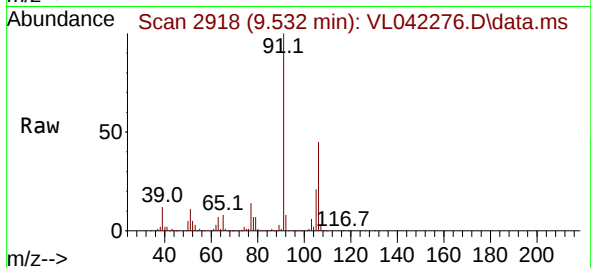
106 45.8 36.4 54.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 04/10/2025



#60

o-Xylene

Concen: 7.197 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VL042276.D

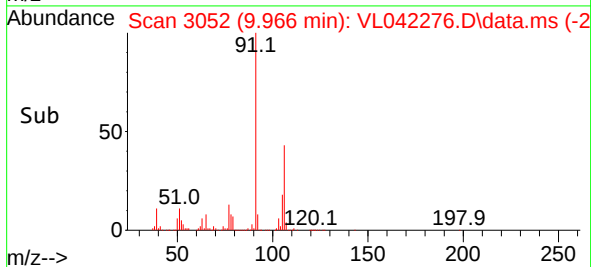
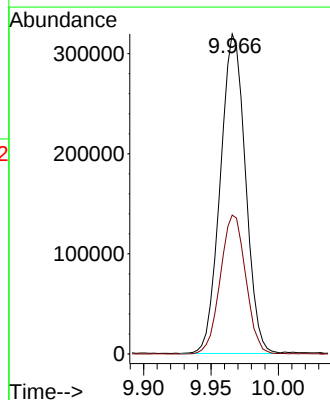
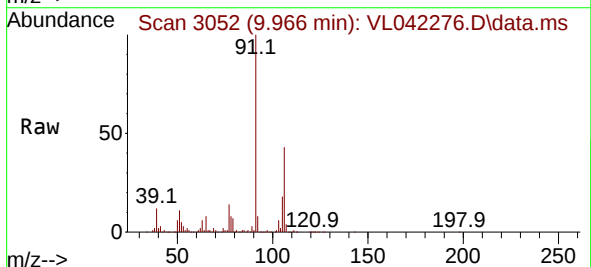
Acq: 08 Apr 2025 23:13

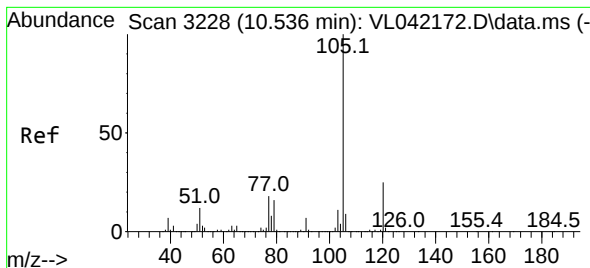
Tgt Ion: 91 Resp: 414511

Ion Ratio Lower Upper

91 100

106 44.0 20.8 62.5





#62

Isopropylbenzene

Concen: 0.376 ppbv

RT: 10.545 min Scan# 3228

Delta R.T. 0.009 min

Lab File: VL042276.D

Acq: 08 Apr 2025 23:13

Instrument :

MSVOA_L

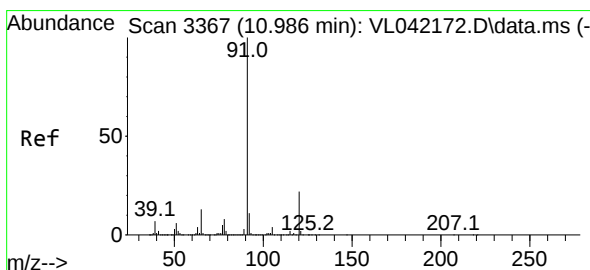
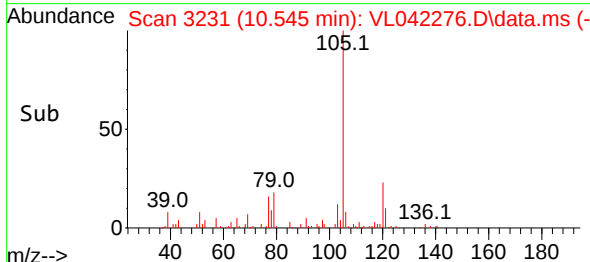
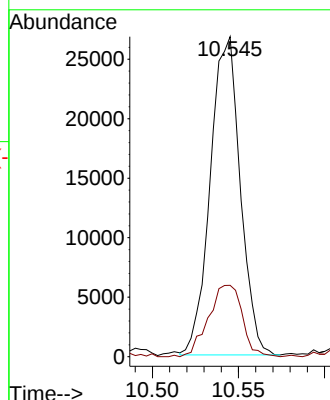
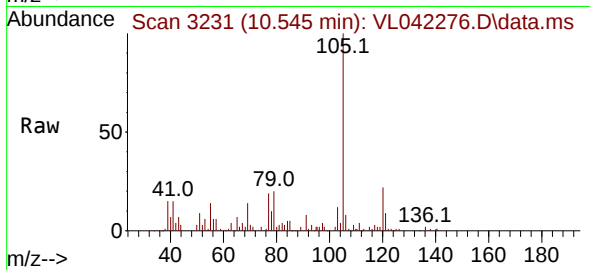
ClientSampleId :

SSSG-B2-1-04022025DUP

Tgt Ion:105 Resp: 32420
 Ion Ratio Lower Upper
 105 100
 120 25.5 19.9 29.9

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/09/2025
 Supervised By :Semsettin Yesilyurt 04/10/2025



#64

n-propylbenzene

Concen: 0.527 ppbv m

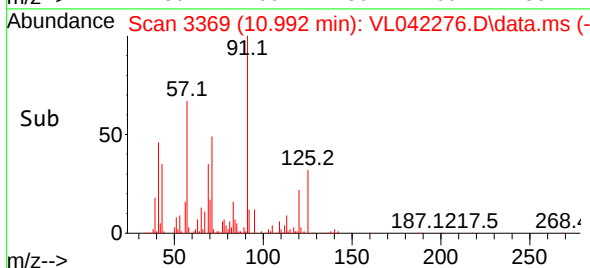
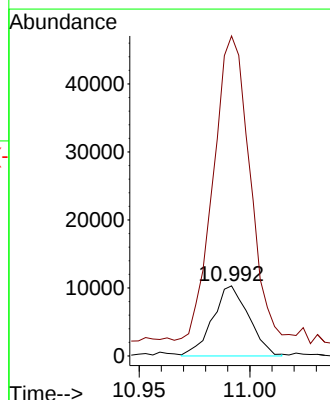
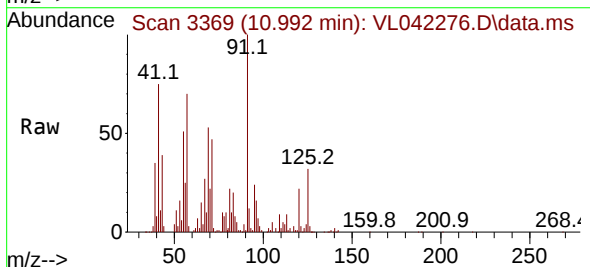
RT: 10.992 min Scan# 3369

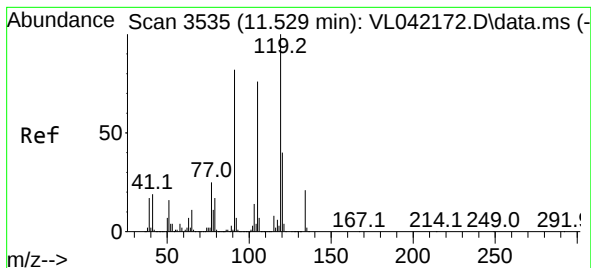
Delta R.T. 0.006 min

Lab File: VL042276.D

Acq: 08 Apr 2025 23:13

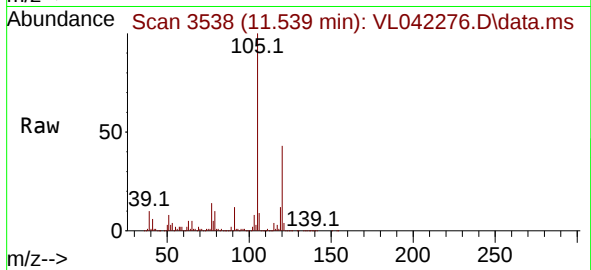
Tgt Ion:120 Resp: 11693
 Ion Ratio Lower Upper
 120 100
 91 0.0 376.9 565.3#





#65
tert-Butylbenzene
Concen: 1.121 ppbv
RT: 11.539 min Scan# 3535
Delta R.T. 0.009 min
Lab File: VL042276.D
Acq: 08 Apr 2025 23:13

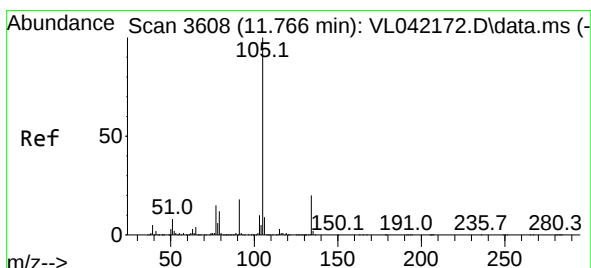
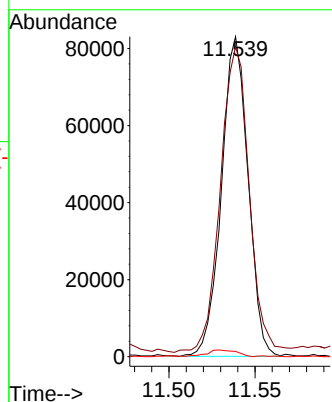
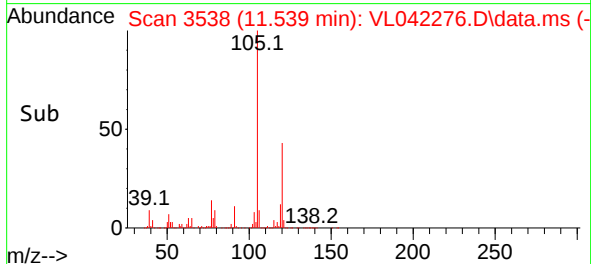
Instrument : MSVOA_L
ClientSampleId : SSSG-B2-1-04022025DUP



Tgt Ion:119 Resp: 8926
Ion Ratio Lower Upper
119 100
91 100.8 66.0 99.0
134 2.8 16.7 25.1

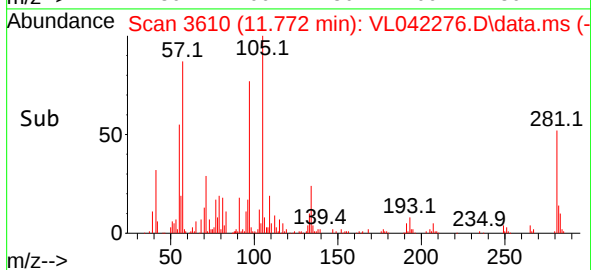
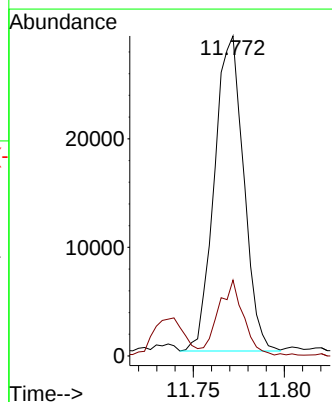
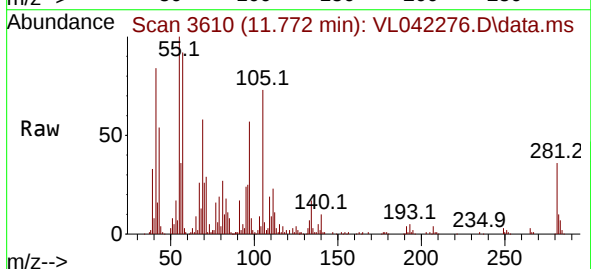
Manual Integrations
APPROVED

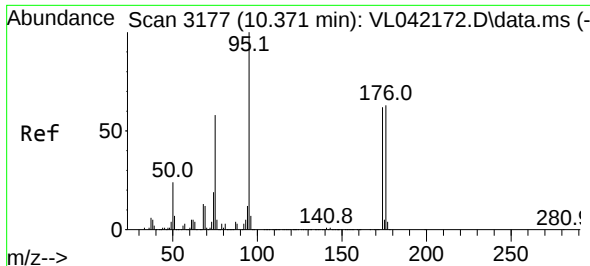
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#67
sec-Butylbenzene
Concen: 0.293 ppbv
RT: 11.772 min Scan# 3610
Delta R.T. 0.006 min
Lab File: VL042276.D
Acq: 08 Apr 2025 23:13

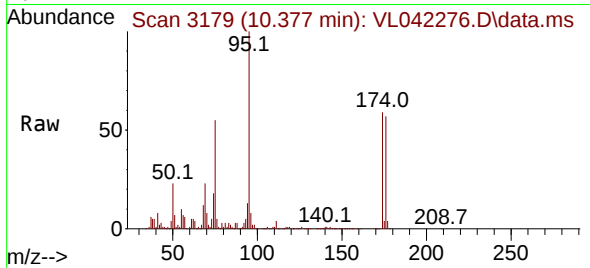
Tgt Ion:105 Resp: 32418
Ion Ratio Lower Upper
105 100
134 34.7 15.5 23.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.522 ppbv
RT: 10.377 min Scan# 3177
Delta R.T. 0.006 min
Lab File: VL042276.D
Acq: 08 Apr 2025 23:13

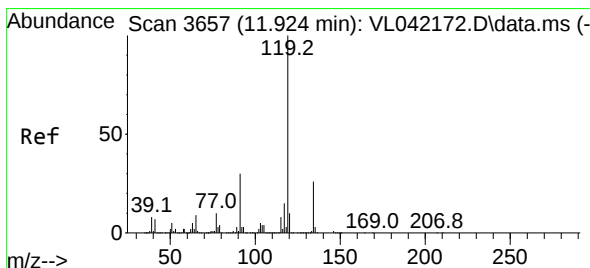
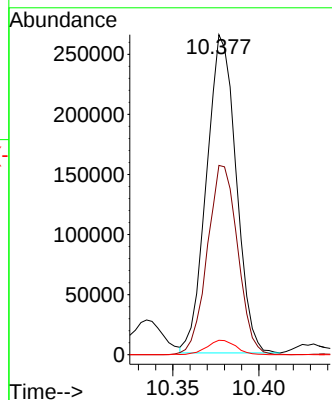
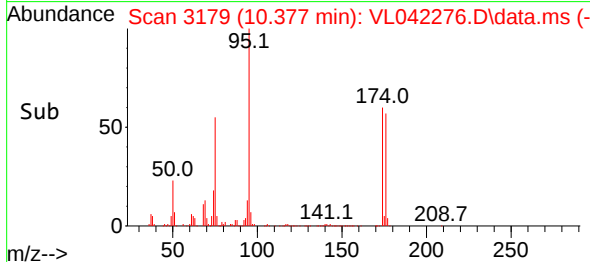
Instrument : MSVOA_L
ClientSampleId : SSSG-B2-1-04022025DUP



Tgt Ion: 95 Resp: 31677
Ion Ratio Lower Upper
95 100
174 61.0 50.6 76.0
175 4.5 3.8 5.6

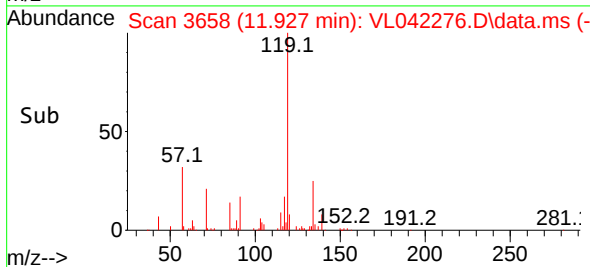
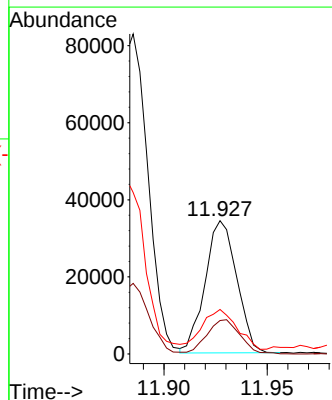
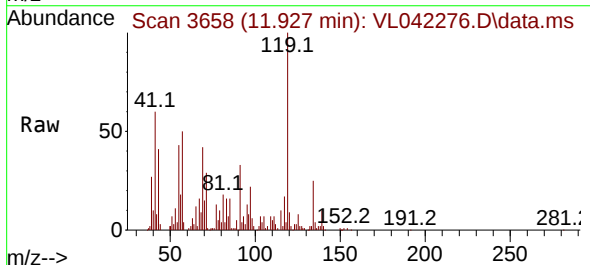
Manual Integrations
APPROVED

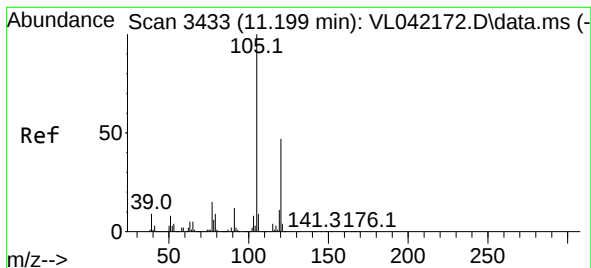
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#69
p-Isopropyltoluene
Concen: 0.384 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.003 min
Lab File: VL042276.D
Acq: 08 Apr 2025 23:13

Tgt Ion:119 Resp: 36608
Ion Ratio Lower Upper
119 100
134 27.0 20.4 30.6
91 29.5 23.7 35.5





#73

1,3,5-Trimethylbenzene

Concen: 6.977 ppbv

RT: 11.205 min Scan# 3433

Delta R.T. 0.006 min

Lab File: VL042276.D

Acq: 08 Apr 2025 23:13

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-1-04022025DUP

Tgt Ion:105 Resp: 436960

Ion Ratio Lower Upper

105 100

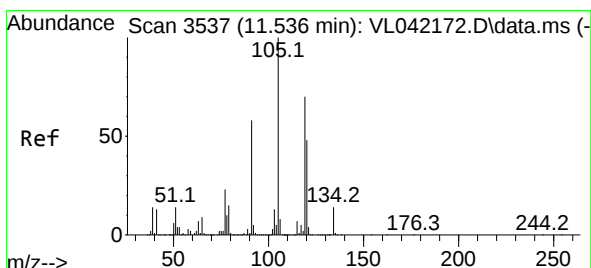
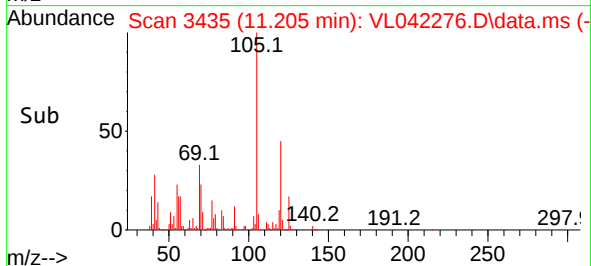
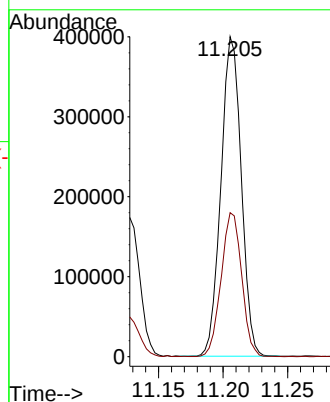
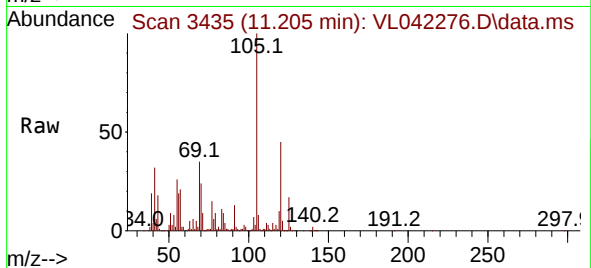
120 45.0 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/09/2025

Supervised By :Semsettin Yesilyurt 04/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.154 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042276.D

Acq: 08 Apr 2025 23:13

Tgt Ion:105 Resp: 732665

Ion Ratio Lower Upper

105 100

120 42.6 38.6 58.0

91 11.7 46.2 69.2#

77 14.1 18.6 27.8#

