

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042266.D
 Acq On : 08 Apr 2025 16:27
 Operator : SY/MD
 Sample : Q1728-09 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Apr 09 01:57:22 2025

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

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

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	2.803	49	157346	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	411449	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	406705	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	320156	9.586	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.900%
Target Compounds						
					Qvalue	
13) Ethanol	1.732	45	3524m	3.427	ppbv	
15) Acetone	1.845	43	47368	2.153	ppbv	98
20) Methylene Chloride	2.075	84	2047	0.250	ppbv #	76
29) Chloroform	2.865	83	11335	0.351	ppbv	91
34) 2-Butanone	2.580	43	3906	0.131	ppbv	93
53) Toluene	6.959	91	20919m	0.433	ppbv	
58) Ethyl Benzene	9.377	91	39620	0.548	ppbv	100
59) m/p-Xylene	9.552	91	513256m	8.897	ppbv	
60) o-Xylene	9.982	91	421737	7.293	ppbv	98
62) Isopropylbenzene	10.555	105	34792	0.402	ppbv	100
64) n-propylbenzene	11.005	120	11288	0.507	ppbv	83
65) tert-Butylbenzene	11.552	119	84175	1.052	ppbv #	69
67) sec-Butylbenzene	11.782	105	31349	0.282	ppbv #	67
69) p-Isopropyltoluene	11.940	119	38407	0.401	ppbv	98
73) 1,3,5-Trimethylbenzene	11.222	105	423292	6.731	ppbv	97
74) 1,2,4-Trimethylbenzene	11.552	105	713955	9.855	ppbv #	66

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

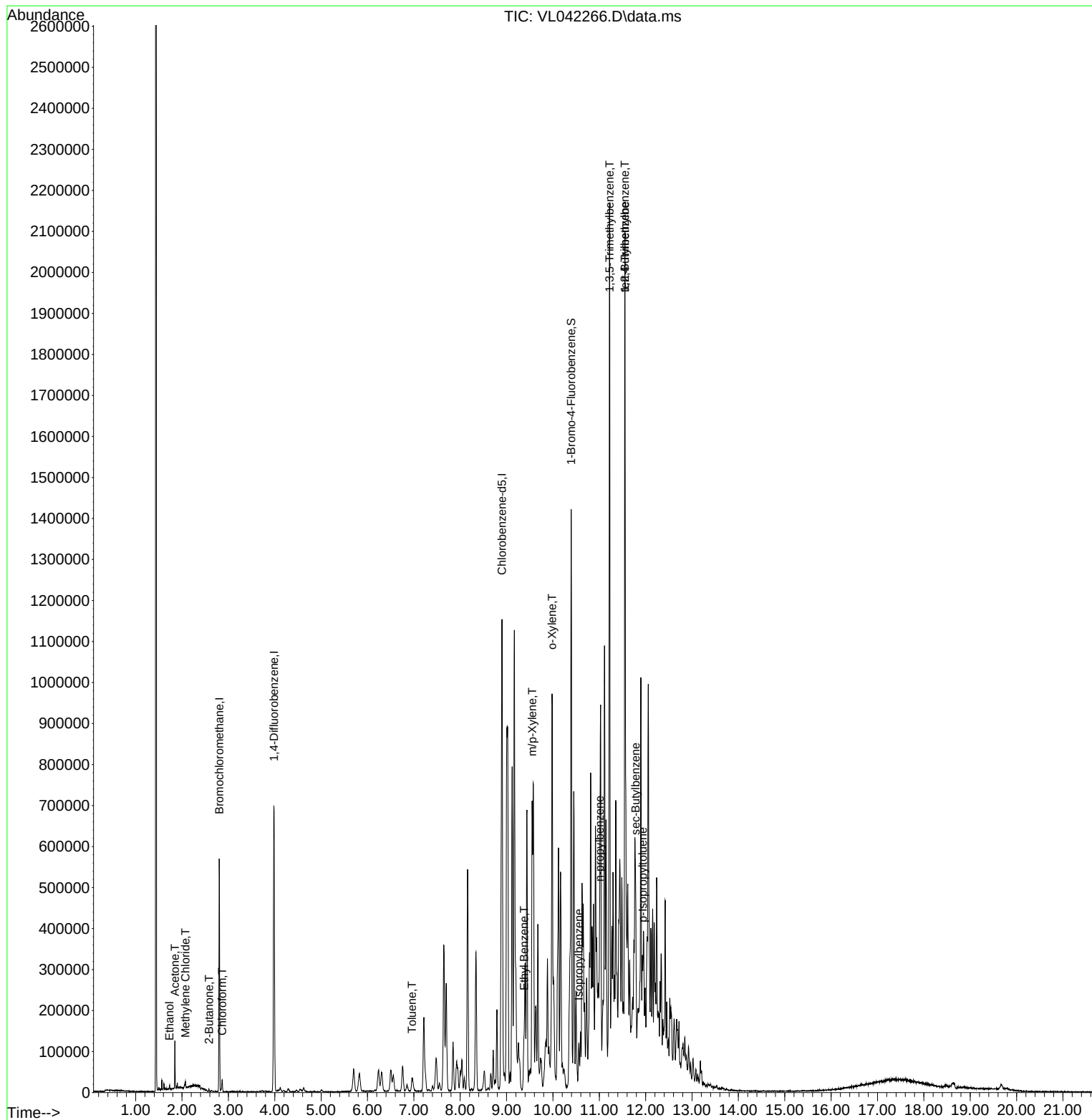
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042266.D
Acq On : 08 Apr 2025 16:27
Operator : SY/MD
Sample : Q1728-09 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

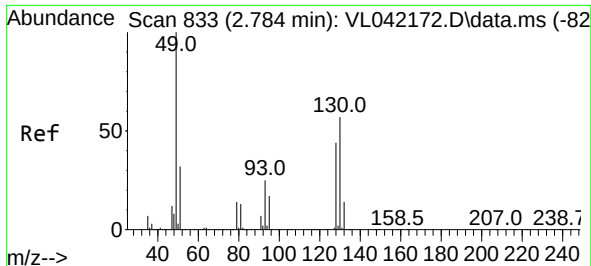
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025

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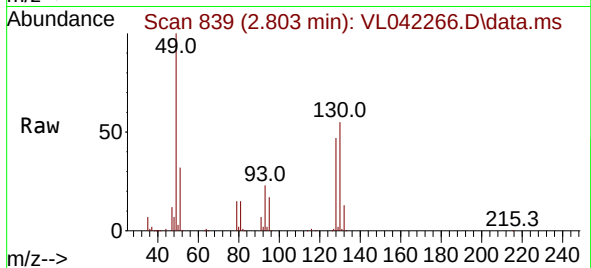
Quant Time: Apr 09 01:57:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042266.D
Acq: 08 Apr 2025 16:27

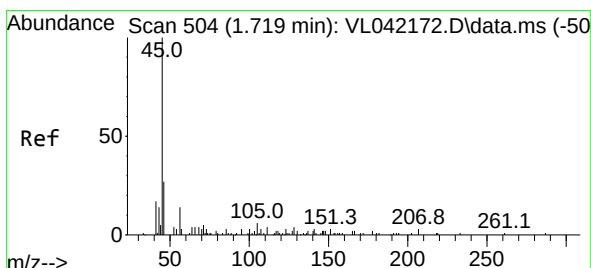
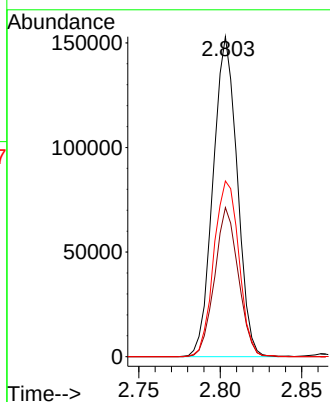
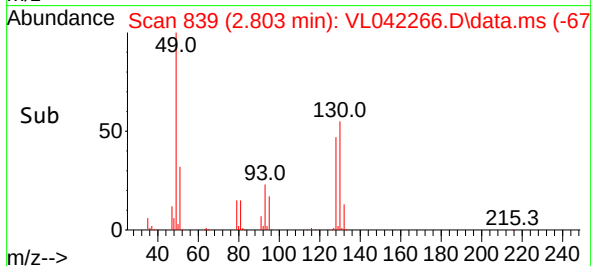
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025



Tgt Ion: 49 Resp: 157340
Ion Ratio Lower Upper
49 100
128 45.7 22.9 68.5
130 57.2 28.8 86.4

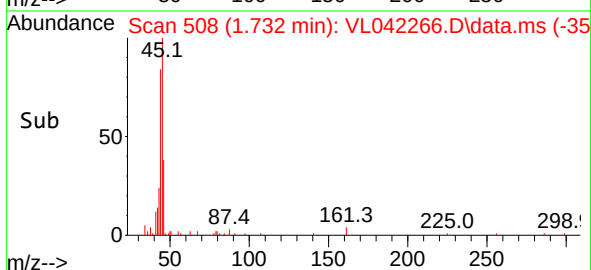
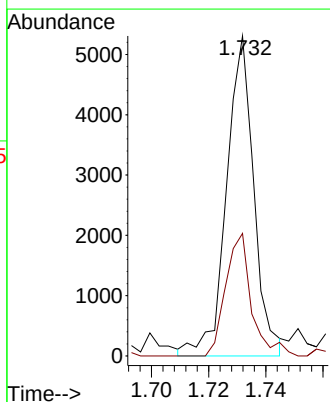
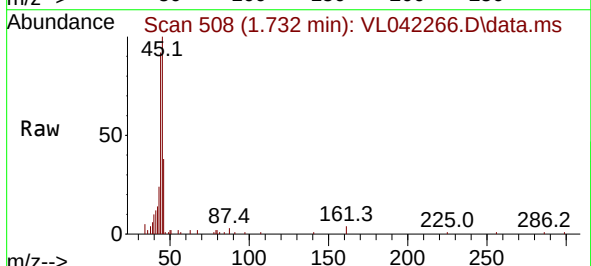
Manual Integrations
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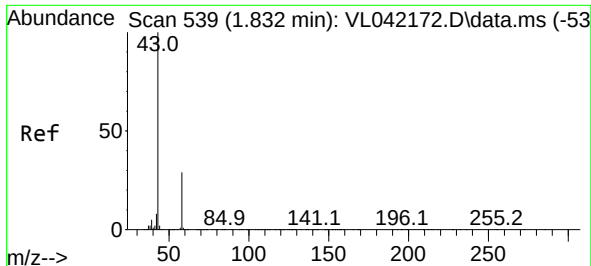
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#13
Ethanol
Concen: 3.427 ppbv m
RT: 1.732 min Scan# 508
Delta R.T. 0.013 min
Lab File: VL042266.D
Acq: 08 Apr 2025 16:27

Tgt Ion: 45 Resp: 3524
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





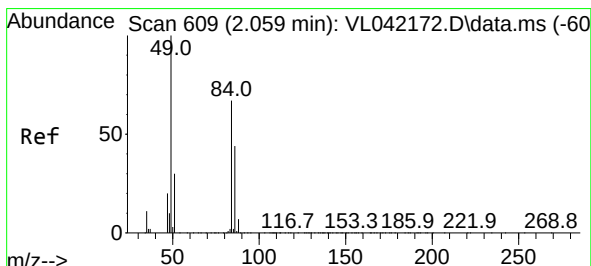
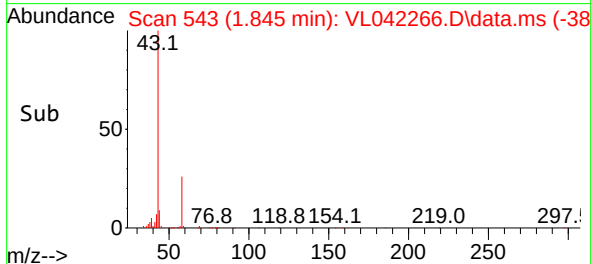
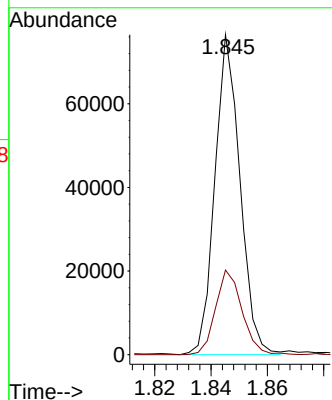
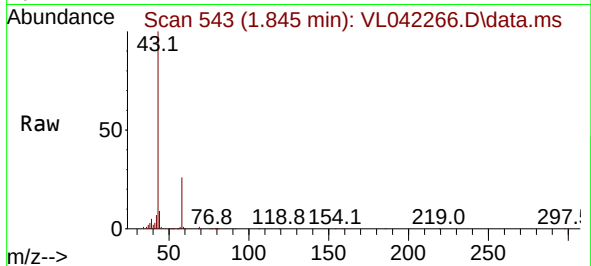
#15
Acetone
Concen: 2.153 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042266.D
Acq: 08 Apr 2025 16:27

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

Tgt Ion: 43 Resp: 47368
Ion Ratio Lower Upper
43 100
58 28.0 23.2 34.8

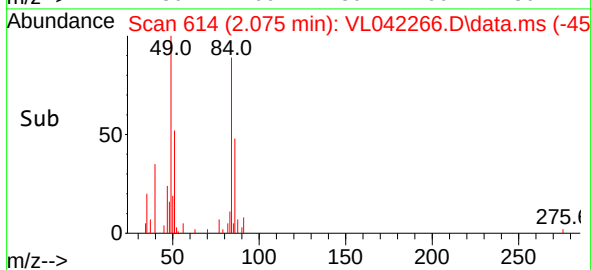
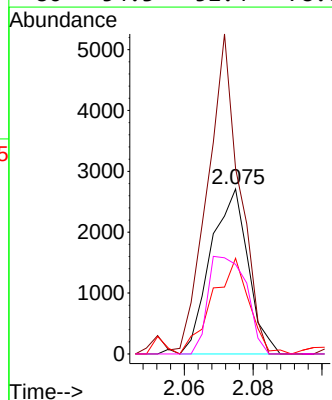
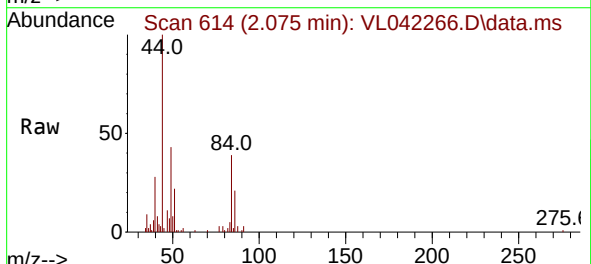
Manual Integrations
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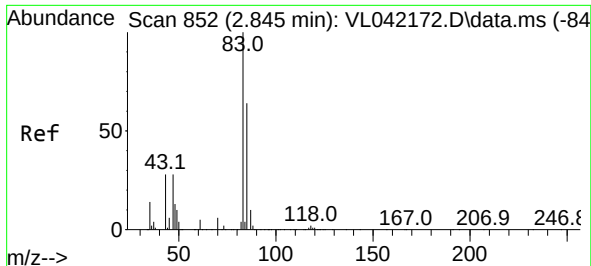
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#20
Methylene Chloride
Concen: 0.250 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.016 min
Lab File: VL042266.D
Acq: 08 Apr 2025 16:27

Tgt Ion: 84 Resp: 2047
Ion Ratio Lower Upper
84 100
49 112.5 120.2 180.4#
51 58.0 37.4 56.0#
86 54.3 52.4 78.6





#29

Chloroform

Concen: 0.351 ppbv

RT: 2.865 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL042266.D

Acq: 08 Apr 2025 16:27

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-1-04022025

Tgt Ion: 83 Resp: 1133

Ion Ratio Lower Upper

83 100

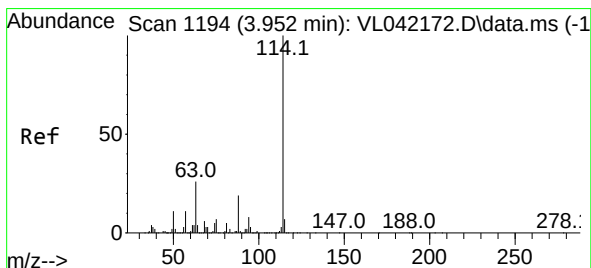
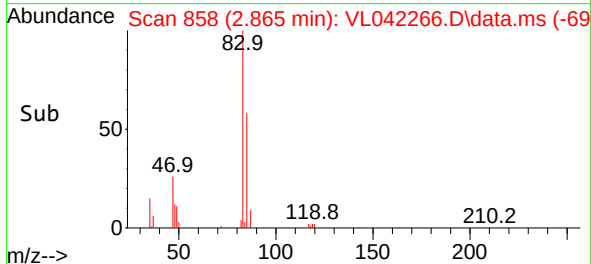
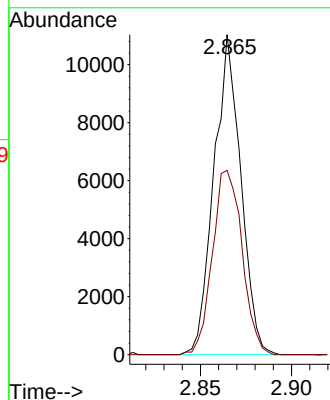
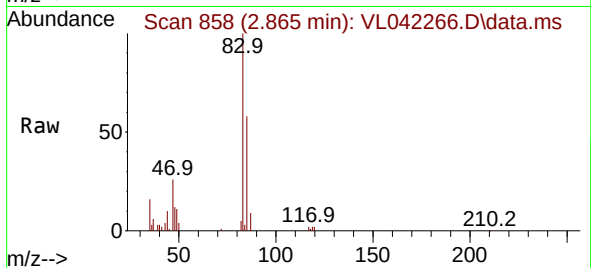
85 57.6 51.4 77.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/09/2025

Supervised By :Semsettin Yesilyurt 04/10/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 1203

Delta R.T. 0.029 min

Lab File: VL042266.D

Acq: 08 Apr 2025 16:27

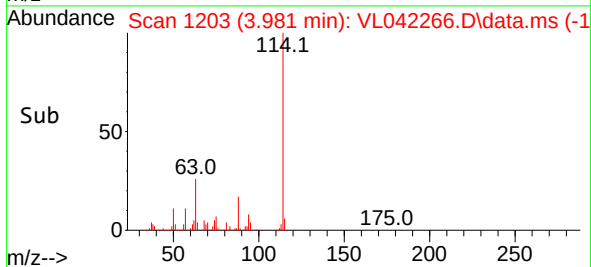
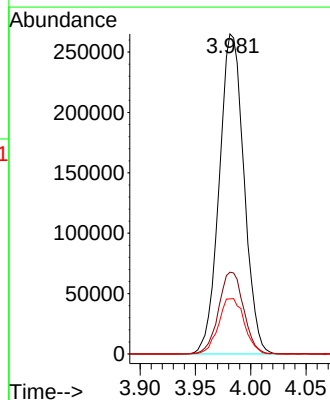
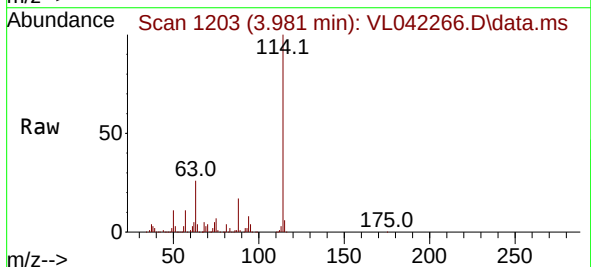
Tgt Ion:114 Resp: 411449

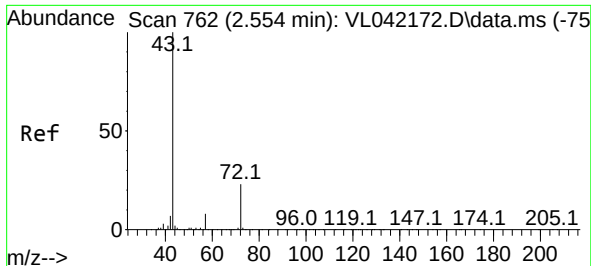
Ion Ratio Lower Upper

114 100

63 25.9 20.7 31.1

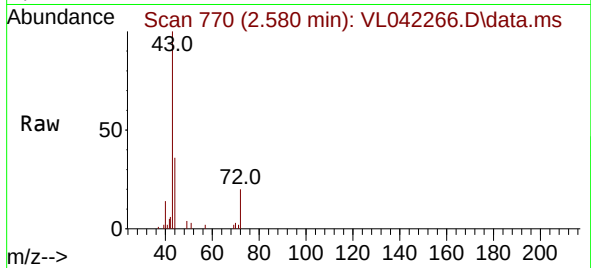
88 18.1 15.0 22.4





#34
2-Butanone
Concen: 0.131 ppbv
RT: 2.580 min Scan# 71
Delta R.T. 0.026 min
Lab File: VL042266.D
Acq: 08 Apr 2025 16:27

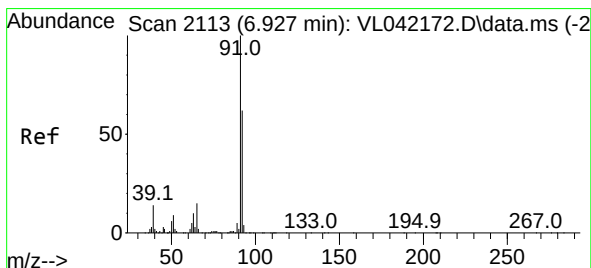
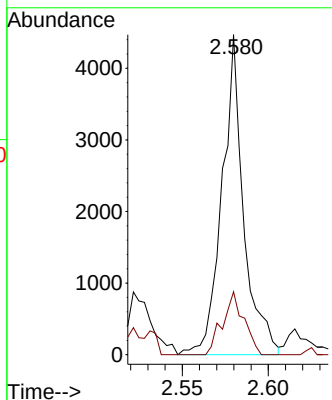
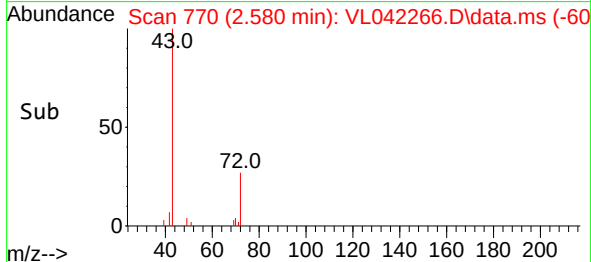
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025



Tgt Ion: 43 Resp: 3900
Ion Ratio Lower Upper
43 100
72 19.3 18.2 27.2

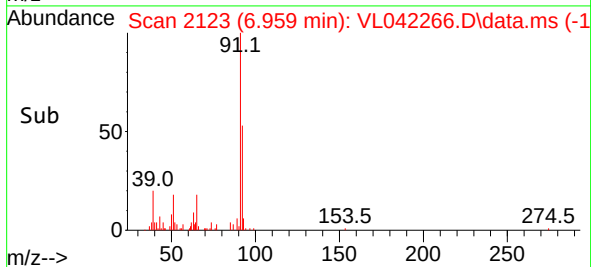
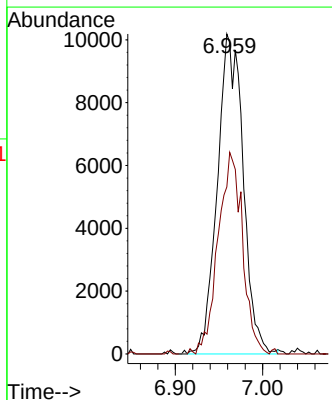
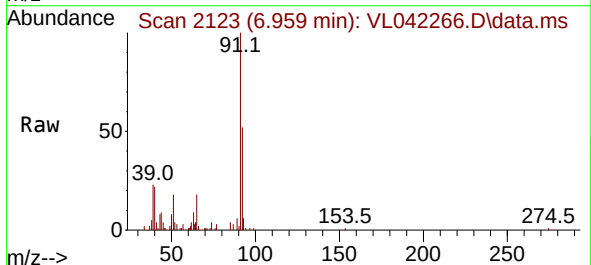
Manual Integrations
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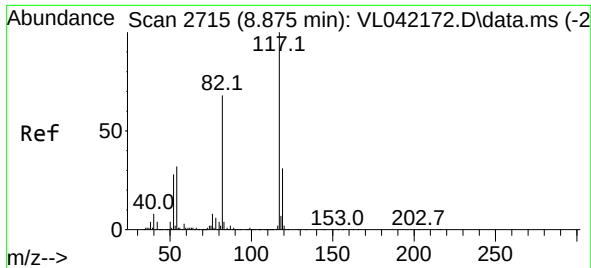
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#53
Toluene
Concen: 0.433 ppbv m
RT: 6.959 min Scan# 2123
Delta R.T. 0.032 min
Lab File: VL042266.D
Acq: 08 Apr 2025 16:27

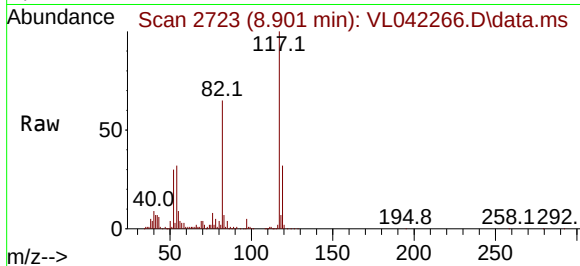
Tgt Ion: 91 Resp: 20919
Ion Ratio Lower Upper
91 100
92 0.0 48.4 72.6#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL042266.D
Acq: 08 Apr 2025 16:27

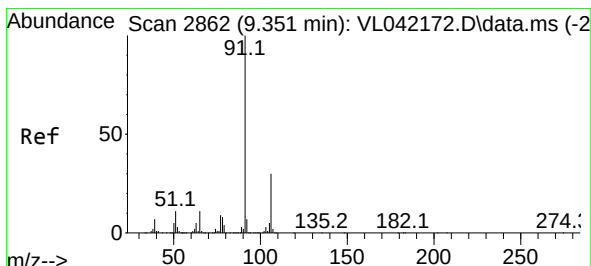
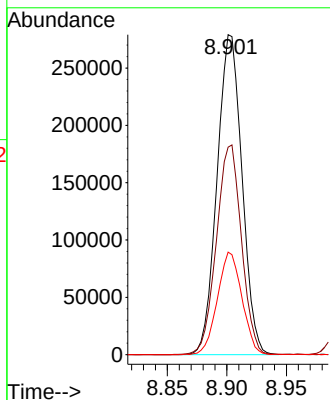
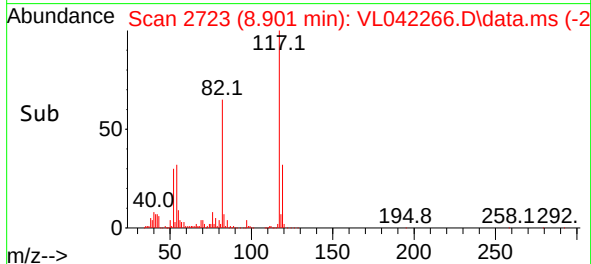
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025



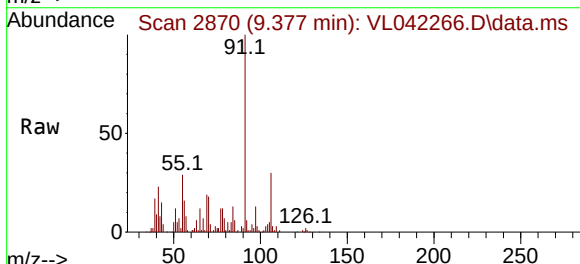
Tgt Ion: 117 Resp: 40670
Ion Ratio Lower Upper
117 100
82 65.9 55.8 83.6
119 31.7 25.5 38.3

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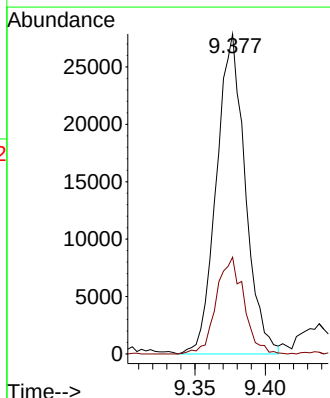
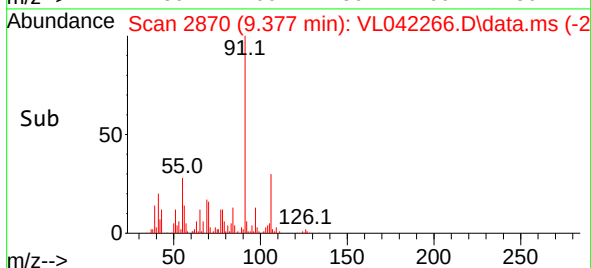
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

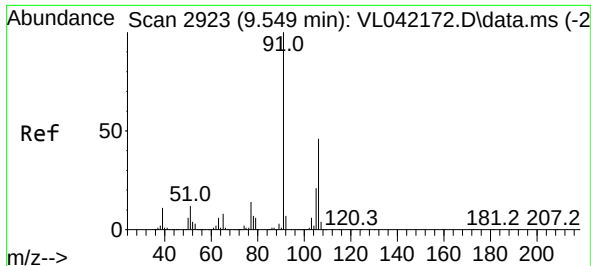


#58
Ethyl Benzene
Concen: 0.548 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042266.D
Acq: 08 Apr 2025 16:27



Tgt Ion: 91 Resp: 39620
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2





#59

m/p-Xylene

Concen: 8.897 ppbv m

RT: 9.552 min Scan# 2923

Delta R.T. 0.003 min

Lab File: VL042266.D

Acq: 08 Apr 2025 16:27

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-1-04022025

Tgt Ion: 91 Resp: 513250

Ion Ratio Lower Upper

91 100

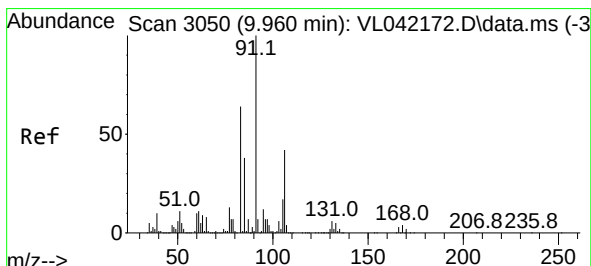
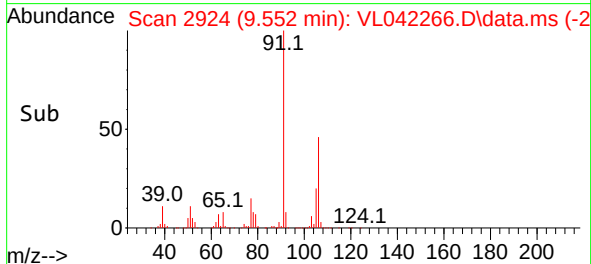
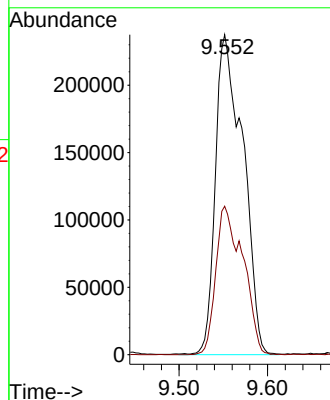
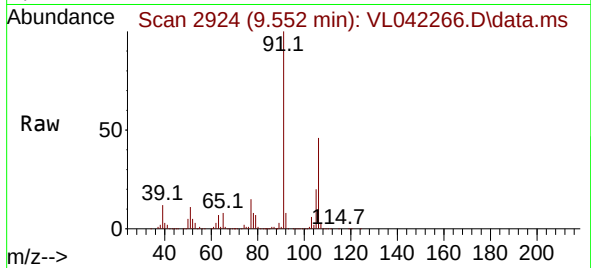
106 0.0 36.4 54.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/09/2025

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#60

o-Xylene

Concen: 7.293 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. 0.022 min

Lab File: VL042266.D

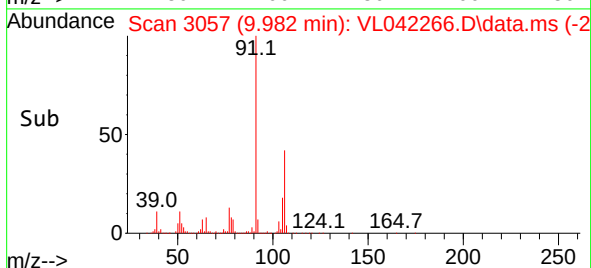
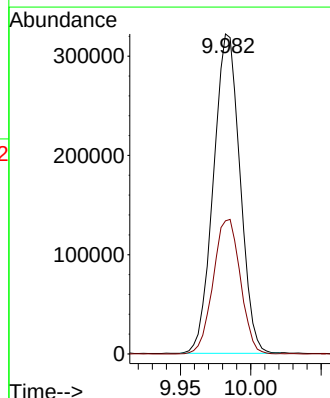
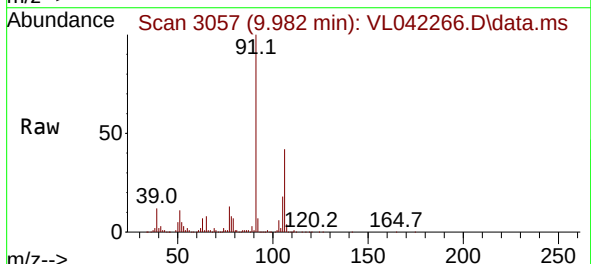
Acq: 08 Apr 2025 16:27

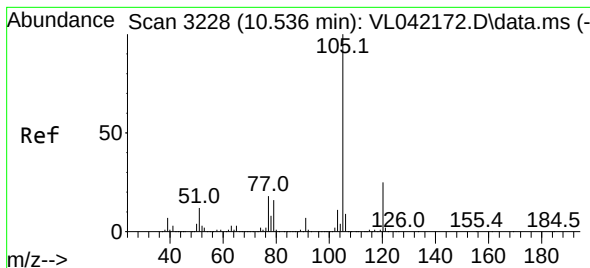
Tgt Ion: 91 Resp: 421737

Ion Ratio Lower Upper

91 100

106 43.2 20.8 62.5





#62

Isopropylbenzene

Concen: 0.402 ppbv

RT: 10.555 min Scan# 31

Delta R.T. 0.019 min

Lab File: VL042266.D

Acq: 08 Apr 2025 16:27

Instrument :

MSVOA_L

ClientSampleId :

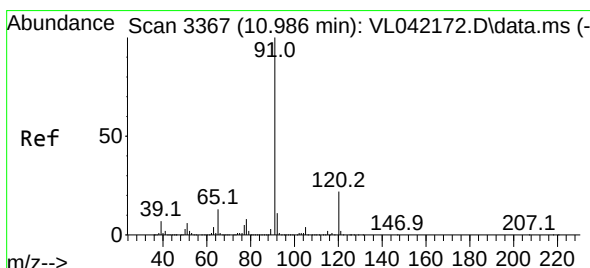
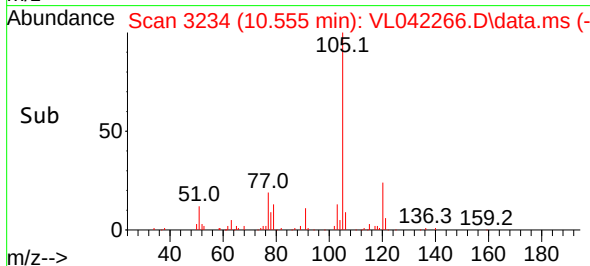
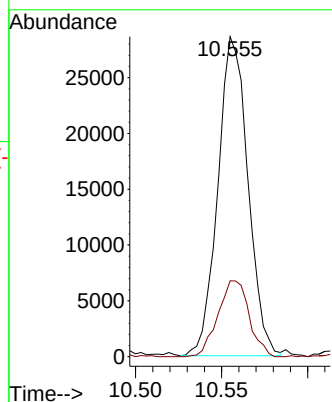
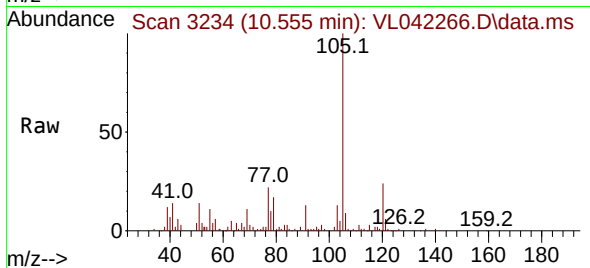
SSSG-B2-1-04022025

Tgt Ion:105 Resp: 34792
 Ion Ratio Lower Upper
 105 100
 120 24.7 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: 0.507 ppbv

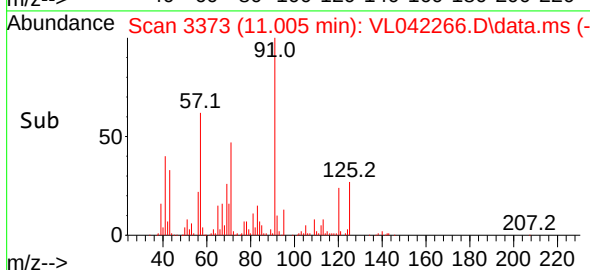
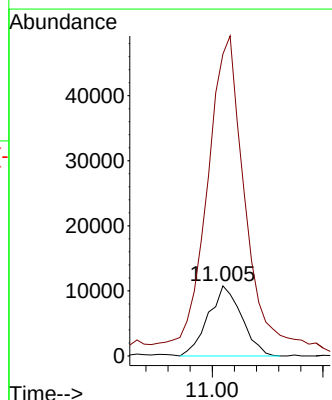
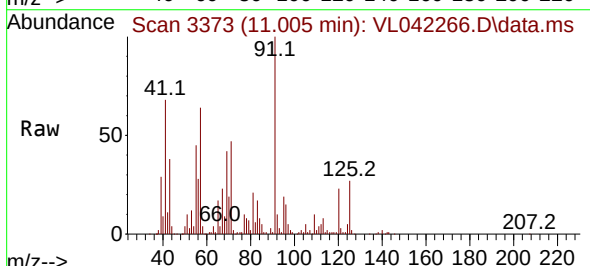
RT: 11.005 min Scan# 3373

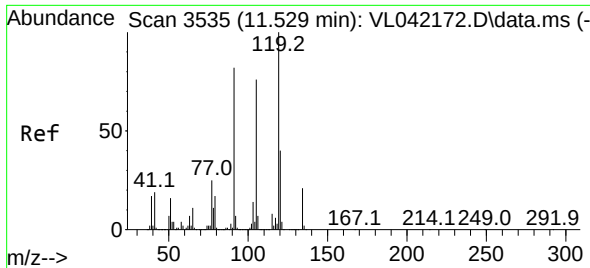
Delta R.T. 0.019 min

Lab File: VL042266.D

Acq: 08 Apr 2025 16:27

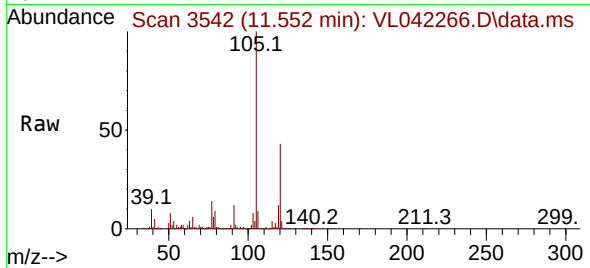
Tgt Ion:120 Resp: 11288
 Ion Ratio Lower Upper
 120 100
 91 516.6 376.9 565.3





#65
tert-Butylbenzene
Concen: 1.052 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.022 min
Lab File: VL042266.D
Acq: 08 Apr 2025 16:27

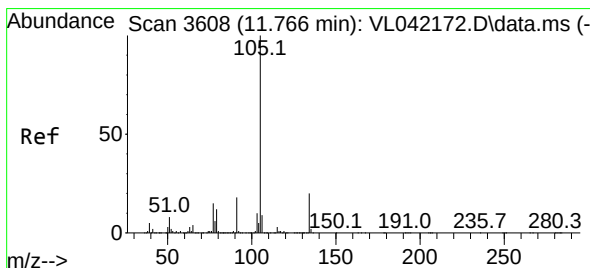
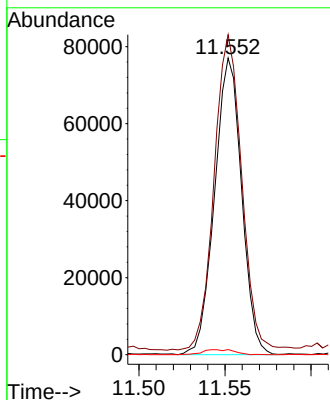
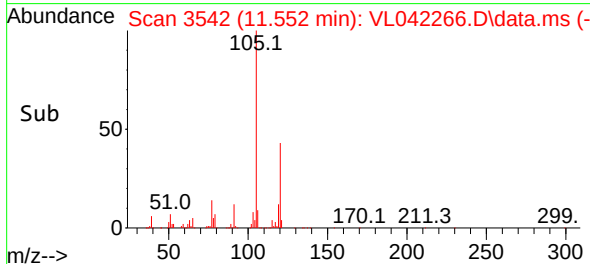
Instrument : MSVOA_L
ClientSampleId : SSSG-B2-1-04022025



Tgt Ion:119 Resp: 8417
Ion Ratio Lower Upper
119 100
91 108.5 66.0 99.0
134 2.0 16.7 25.1

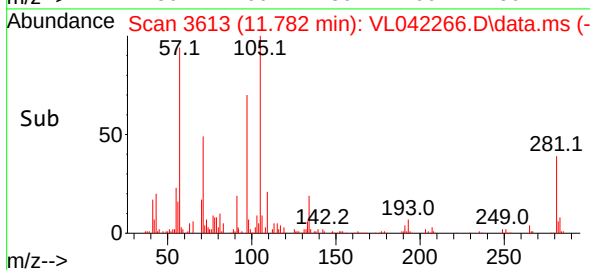
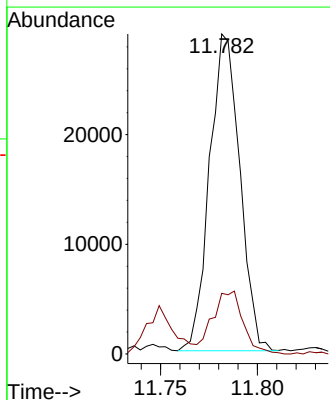
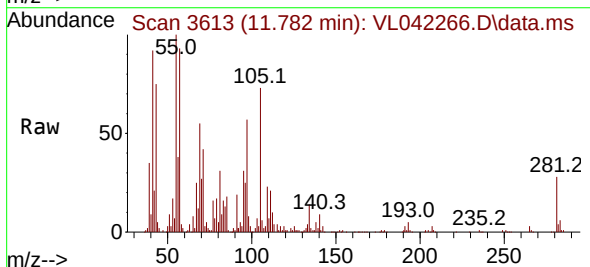
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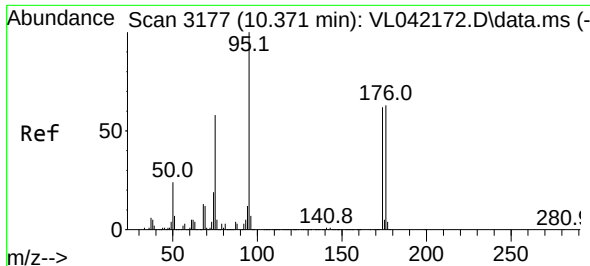
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#67
sec-Butylbenzene
Concen: 0.282 ppbv
RT: 11.782 min Scan# 3613
Delta R.T. 0.016 min
Lab File: VL042266.D
Acq: 08 Apr 2025 16:27

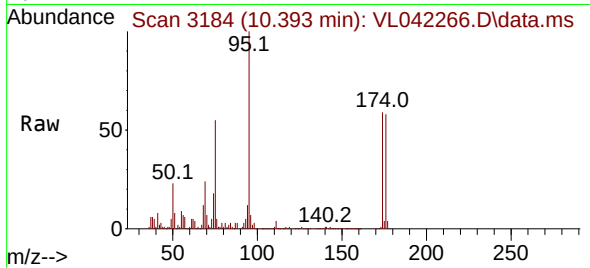
Tgt Ion:105 Resp: 31349
Ion Ratio Lower Upper
105 100
134 34.2 15.5 23.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.586 ppbv
RT: 10.393 min Scan# 3177
Delta R.T. 0.022 min
Lab File: VL042266.D
Acq: 08 Apr 2025 16:27

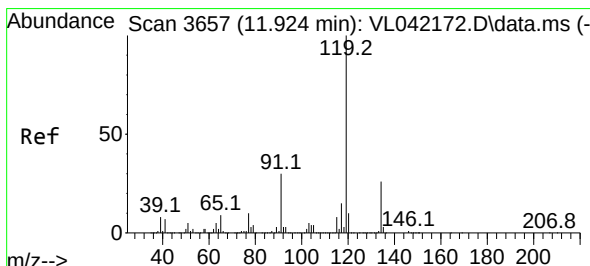
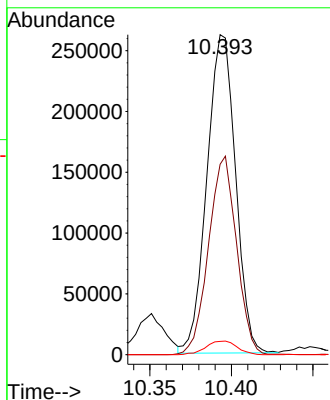
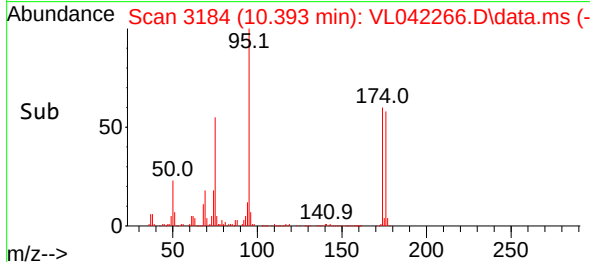
Instrument : MSVOA_L
ClientSampleId : SSSG-B2-1-04022025



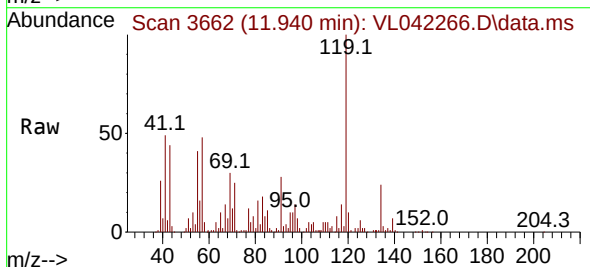
Tgt Ion: 95 Resp: 320150
Ion Ratio Lower Upper
95 100
174 60.9 50.6 76.0
175 4.6 3.8 5.6

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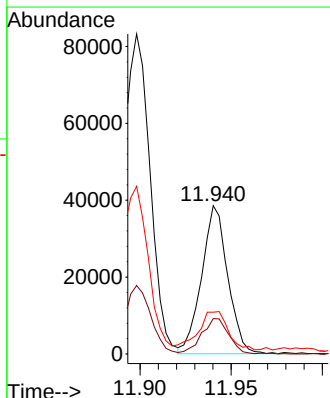
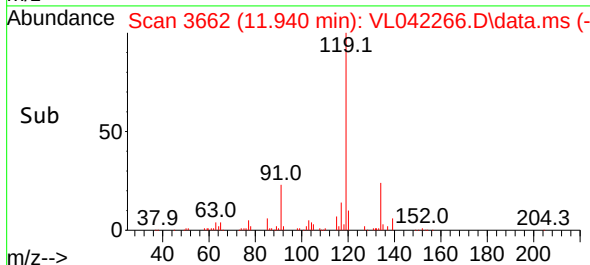
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

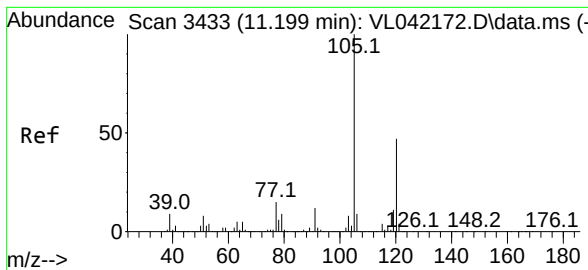


#69
p-Isopropyltoluene
Concen: 0.401 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. 0.016 min
Lab File: VL042266.D
Acq: 08 Apr 2025 16:27



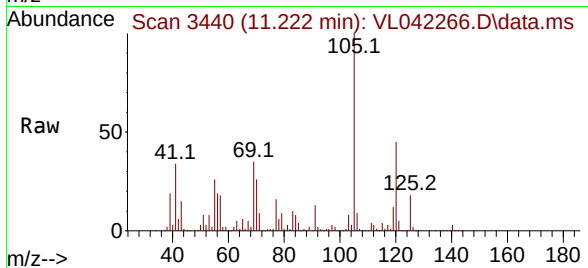
Tgt Ion:119 Resp: 38407
Ion Ratio Lower Upper
119 100
134 24.6 20.4 30.6
91 28.3 23.7 35.5





#73
 1,3,5-Trimethylbenzene
 Concen: 6.731 ppbv
 RT: 11.222 min Scan# 3433
 Delta R.T. 0.022 min
 Lab File: VL042266.D
 Acq: 08 Apr 2025 16:27

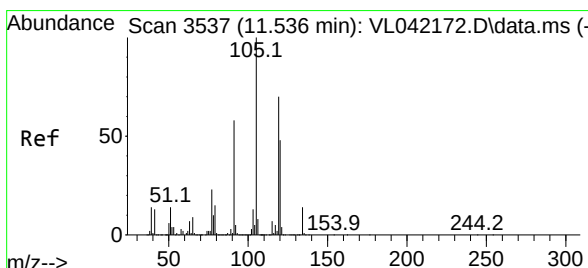
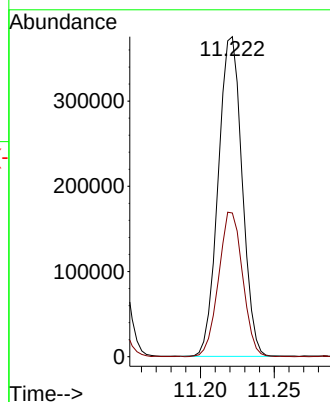
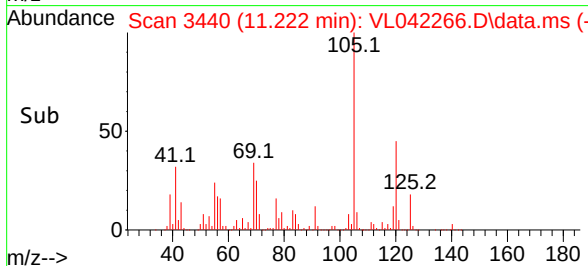
Instrument : MSVOA_L
 ClientSampleId : SSSG-B2-1-04022025



Tgt Ion:105 Resp: 423292
 Ion Ratio Lower Upper
 105 100
 120 44.8 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: 9.855 ppbv
 RT: 11.552 min Scan# 3542
 Delta R.T. 0.016 min
 Lab File: VL042266.D
 Acq: 08 Apr 2025 16:27

Tgt Ion:105 Resp: 713955
 Ion Ratio Lower Upper
 105 100
 120 43.0 38.6 58.0
 91 12.2 46.2 69.2#
 77 14.1 18.6 27.8#

