

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
 Data File : VL042155.D
 Acq On : 17 Mar 2025 13:37
 Operator : SY/MD
 Sample : Q1586-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 565-SG-1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
 Supervised By :Mahesh Dadoda 03/18/2025

Quant Time: Mar 18 01:24:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	177355	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	461268	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	407257	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	297836	9.506	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.100%
Target Compounds						
					Qvalue	
10) Heptane	5.007	43	679876	20.794	ppbv	98
13) Ethanol	1.729	45	3018m	4.527	ppbv	
26) Hexane	2.839	57	2899377	114.396	ppbv #	34
30) Cyclohexane	3.875	84	551515	26.810	ppbv #	90
34) 2-Butanone	2.573	43	35661m	0.992	ppbv	
36) Benzene	3.674	78	534931	11.078	ppbv	97
52) Tetrachloroethene	8.241	164	8686	0.525	ppbv #	77
53) Toluene	6.962	91	26788	0.496	ppbv	99
58) Ethyl Benzene	9.374	91	16465	0.220	ppbv	95
59) m/p-Xylene	9.548	91	50752	0.850	ppbv #	100
60) o-Xylene	9.982	91	15505m	0.258	ppbv	

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

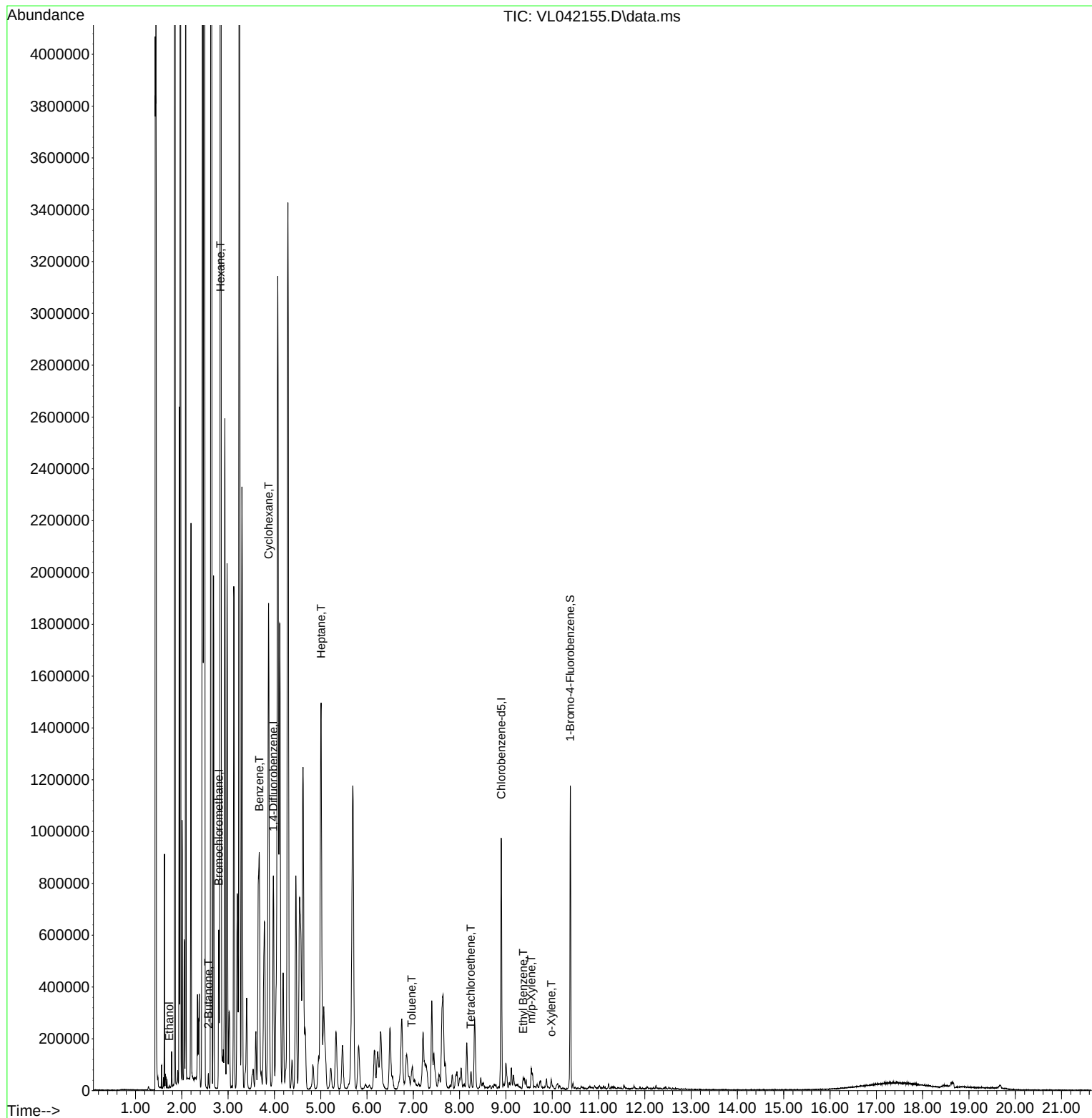
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042155.D
Acq On : 17 Mar 2025 13:37
Operator : SY/MD
Sample : Q1586-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

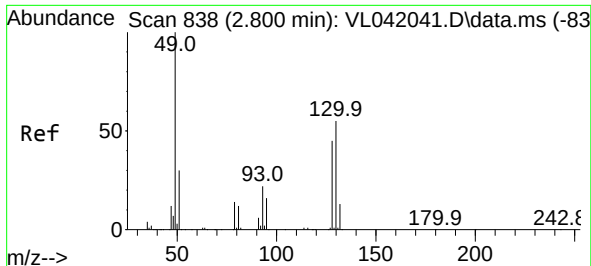
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Manual Integrations
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Supervised By :Mahesh Dadoda 03/18/2025

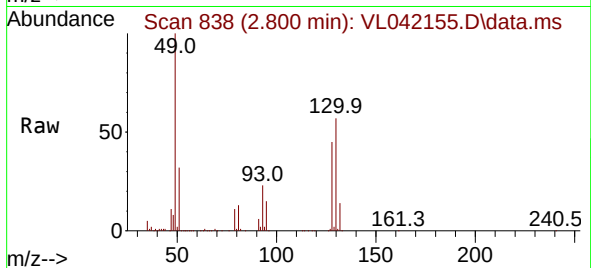
Quant Time: Mar 18 01:24:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. 0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

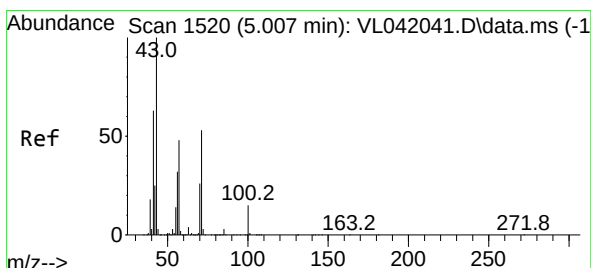
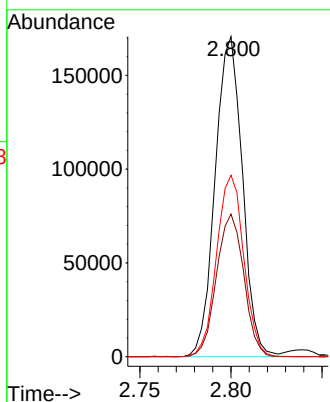
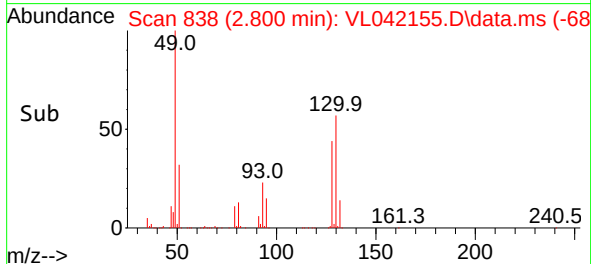
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL



Tgt Ion: 49 Resp: 17735
Ion Ratio Lower Upper
49 100
128 44.7 21.6 64.8
130 56.6 27.8 83.4

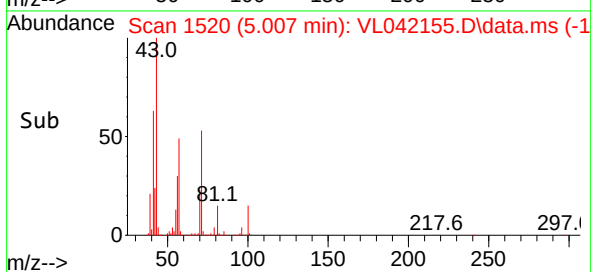
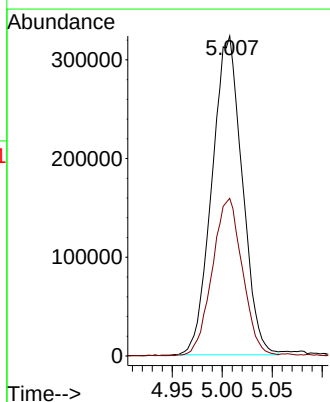
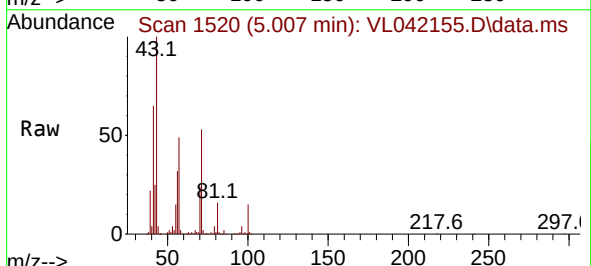
Manual Integrations
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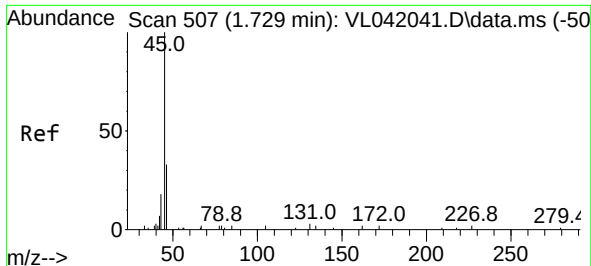
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#10
Heptane
Concen: 20.794 ppbv
RT: 5.007 min Scan# 1520
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

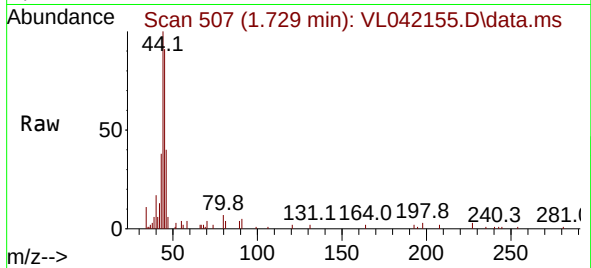
Tgt Ion: 43 Resp: 679876
Ion Ratio Lower Upper
43 100
57 50.3 39.4 59.0





#13
Ethanol
Concen: 4.527 ppbv m
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

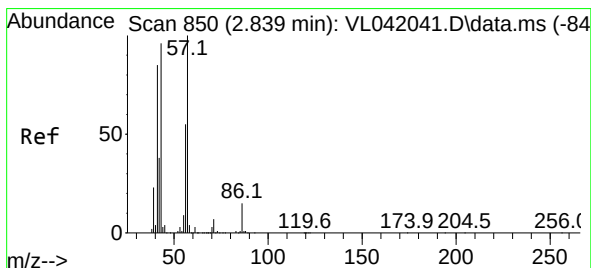
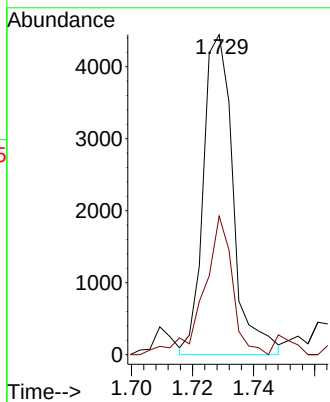
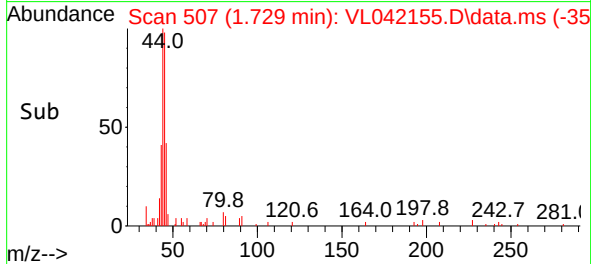
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL



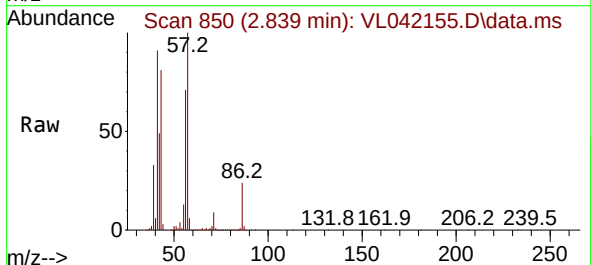
Tgt Ion: 45 Resp: 3018
Ion Ratio Lower Upper
45 100
46 9297.0 17.1 68.3

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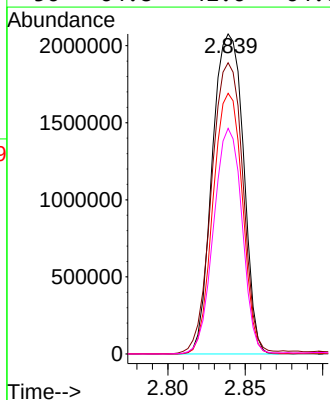
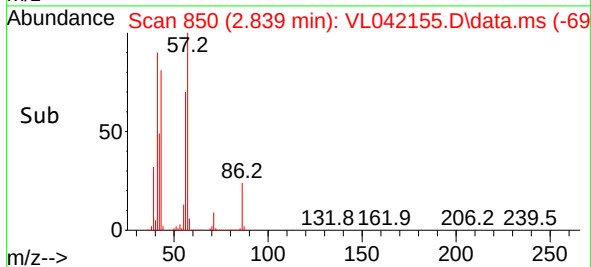
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

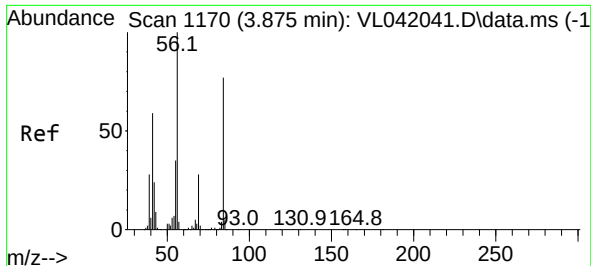


#26
Hexane
Concen: 114.396 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37



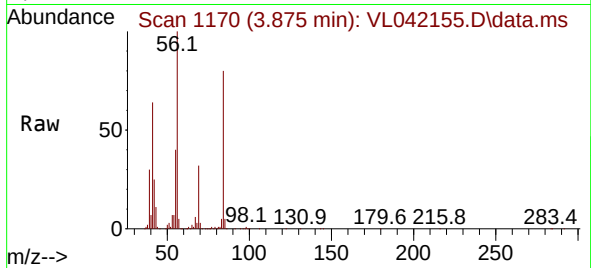
Tgt Ion: 57 Resp: 2899377
Ion Ratio Lower Upper
57 100
41 92.5 70.6 106.0
43 76.8 199.4 299.0#
56 64.8 42.6 64.0#





#30
Cyclohexane
Concen: 26.810 ppbv
RT: 3.875 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

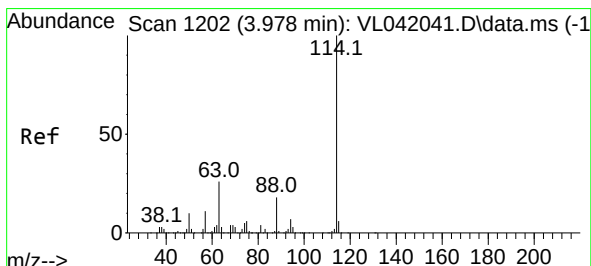
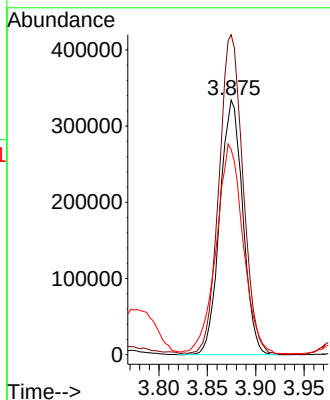
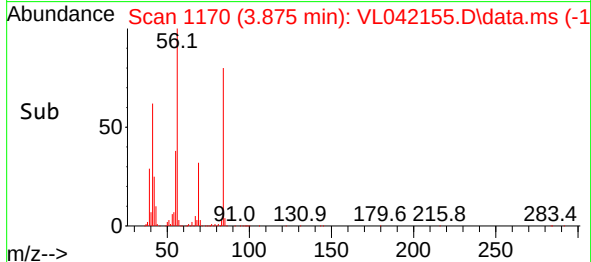
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL



Tgt Ion: 84 Resp: 55151
Ion Ratio Lower Upper
84 100
56 131.7 101.5 152.3
41 96.1 62.6 93.8

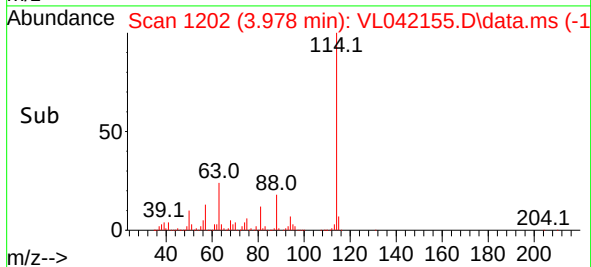
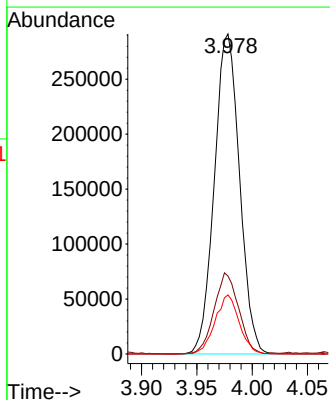
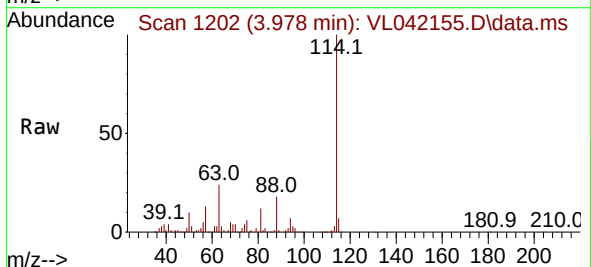
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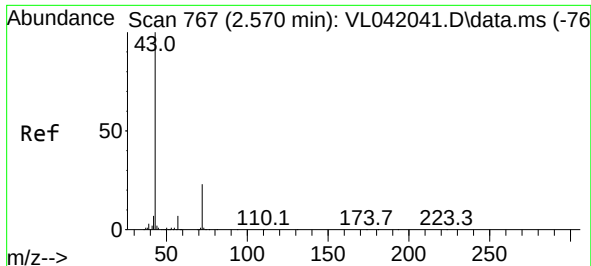
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

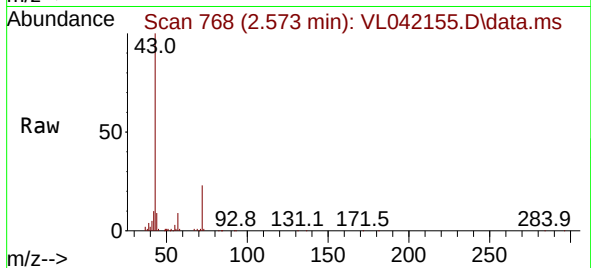
Tgt Ion:114 Resp: 461268
Ion Ratio Lower Upper
114 100
63 24.8 20.1 30.1
88 17.7 14.3 21.5





#34
2-Butanone
Concen: 0.992 ppbv m
RT: 2.573 min Scan# 767
Delta R.T. 0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

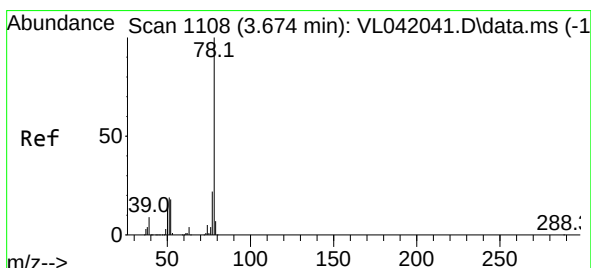
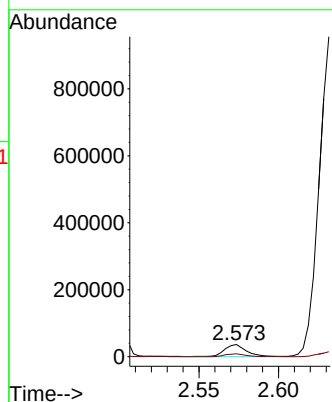
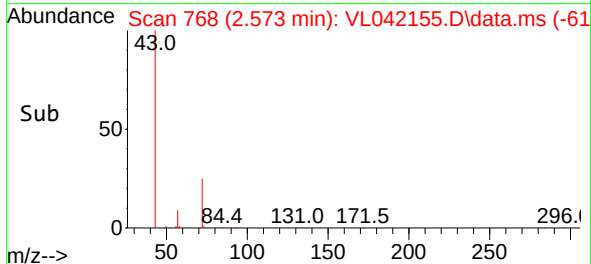
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL



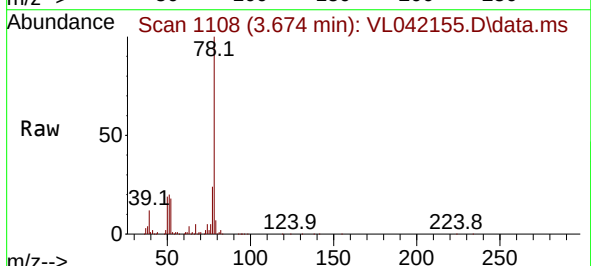
Tgt Ion: 43 Resp: 3566
Ion Ratio Lower Upper
43 100
72 50.6 18.5 27.7

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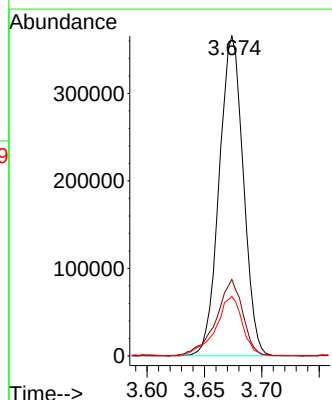
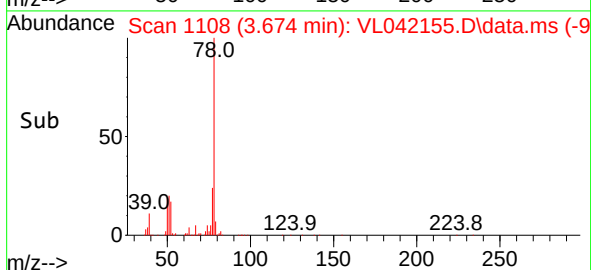
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

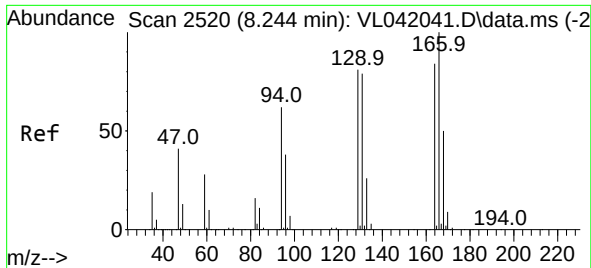


#36
Benzene
Concen: 11.078 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37



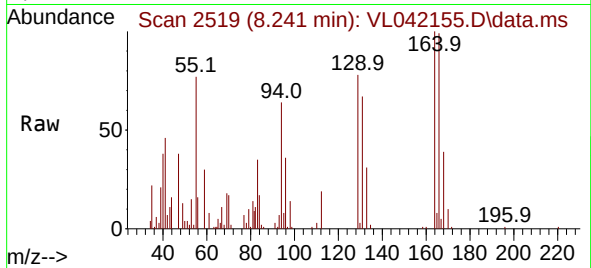
Tgt Ion: 78 Resp: 534931
Ion Ratio Lower Upper
78 100
77 23.8 17.7 26.5
50 18.4 13.9 20.9





#52
Tetrachloroethene
Concen: 0.525 ppbv
RT: 8.241 min Scan# 2119
Delta R.T. -0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

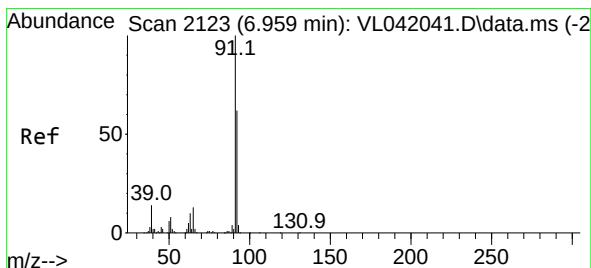
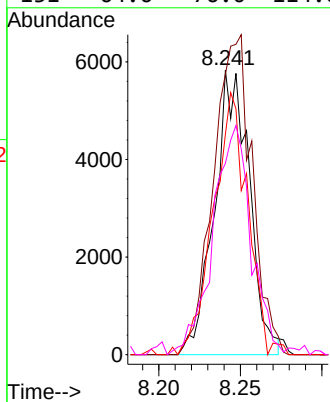
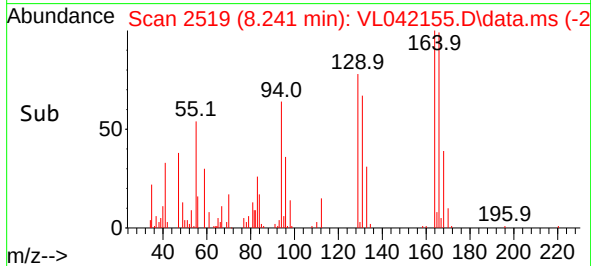
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL



Tgt Ion:164 Resp: 8680
Ion Ratio Lower Upper
164 100
166 98.5 95.7 143.5
129 77.5 77.1 115.7
131 64.6 76.0 114.0#

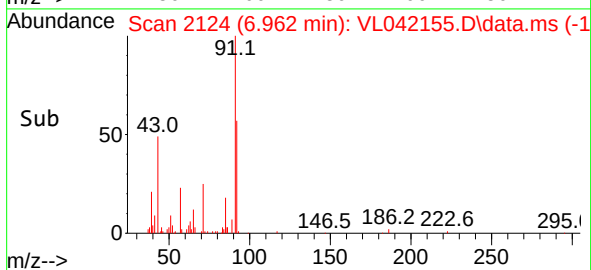
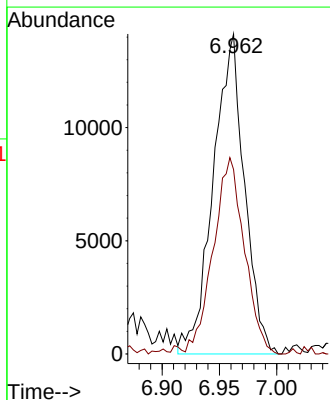
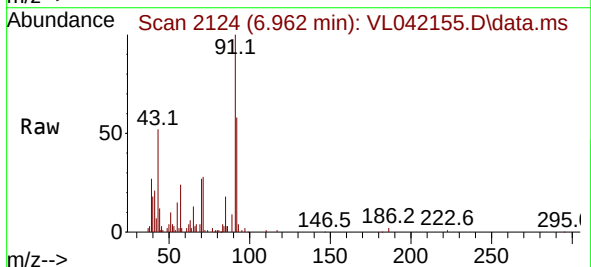
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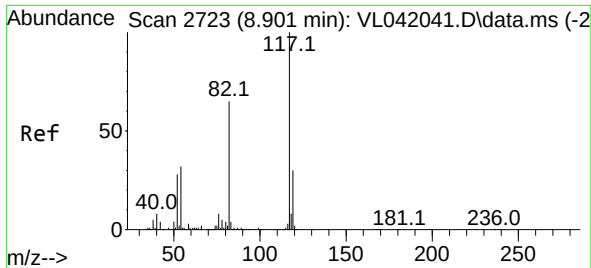
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#53
Toluene
Concen: 0.496 ppbv
RT: 6.962 min Scan# 2124
Delta R.T. 0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 91 Resp: 26788
Ion Ratio Lower Upper
91 100
92 62.4 49.0 73.6





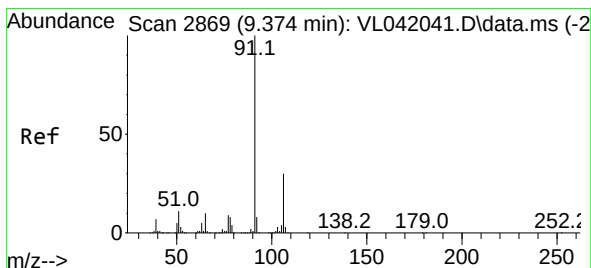
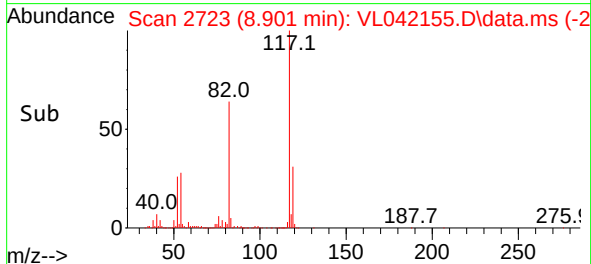
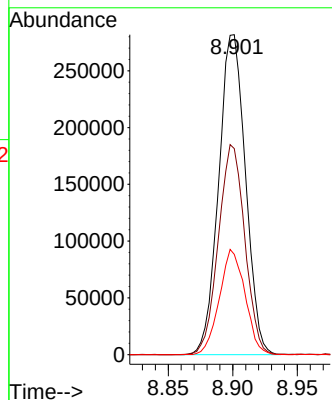
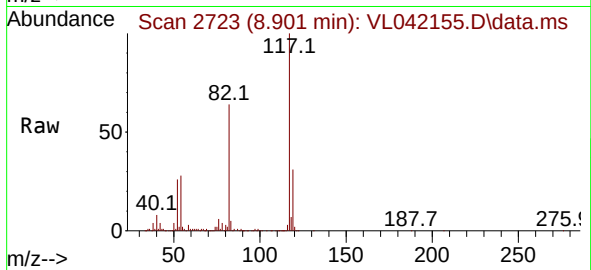
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument : MSVOA_L
ClientSampleId : 565-SG-1DL

Tgt Ion:117 Resp: 40725
Ion Ratio Lower Upper
117 100
82 64.8 55.0 82.6
119 31.6 25.9 38.9

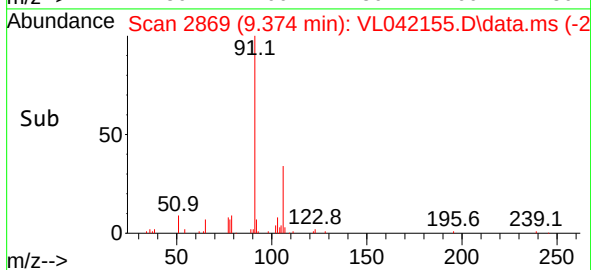
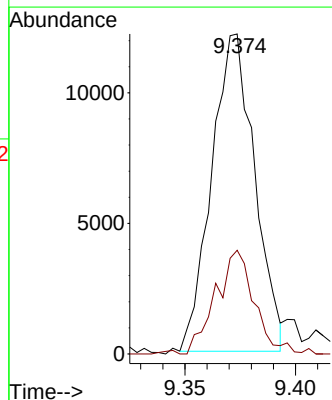
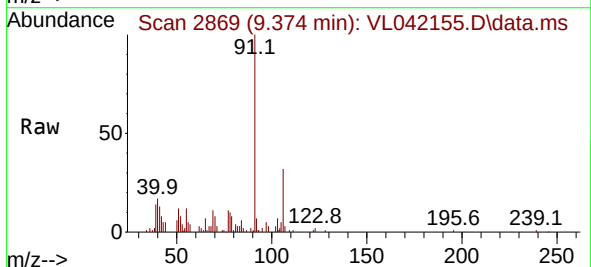
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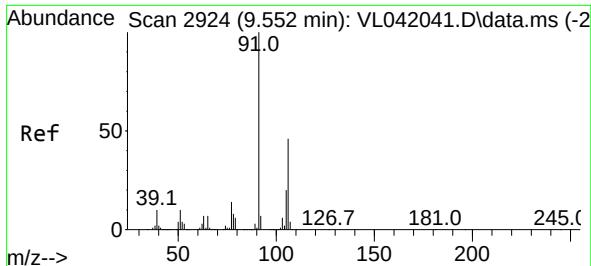
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#58
Ethyl Benzene
Concen: 0.220 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 91 Resp: 16465
Ion Ratio Lower Upper
91 100
106 32.7 24.2 36.2





#59

m/p-Xylene

Concen: 0.850 ppbv

RT: 9.548 min Scan# 2924

Delta R.T. -0.003 min

Lab File: VL042155.D

Acq: 17 Mar 2025 13:37

Instrument :

MSVOA_L

ClientSampleId :

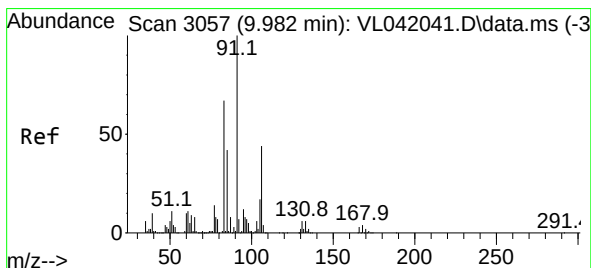
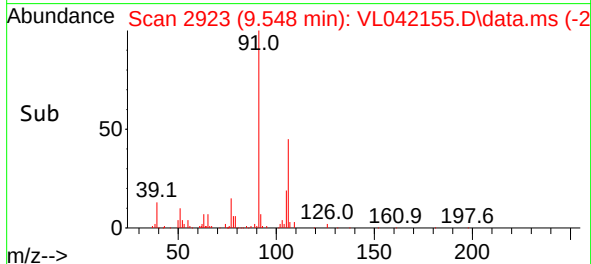
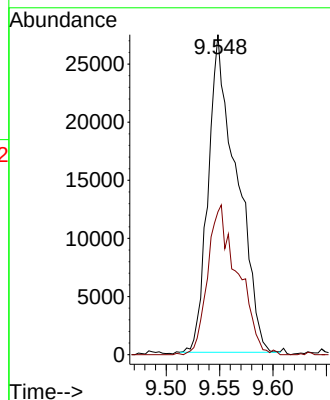
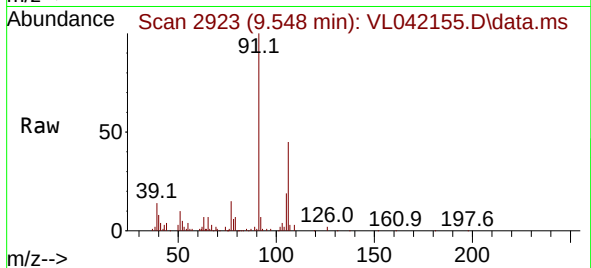
565-SG-1DL

Tgt Ion: 91 Resp: 50752
 Ion Ratio Lower Upper
 91 100
 106 49.6 0.0 0.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/18/2025
 Supervised By :Mahesh Dadoda 03/18/2025



#60

o-Xylene

Concen: 0.258 ppbv m

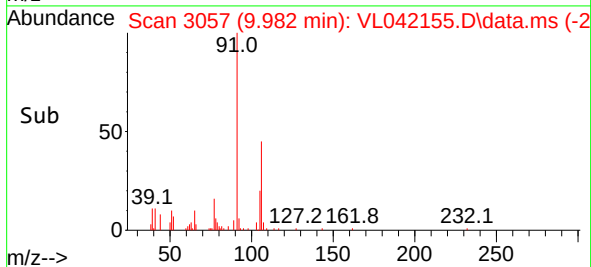
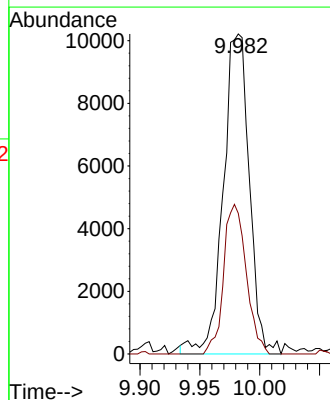
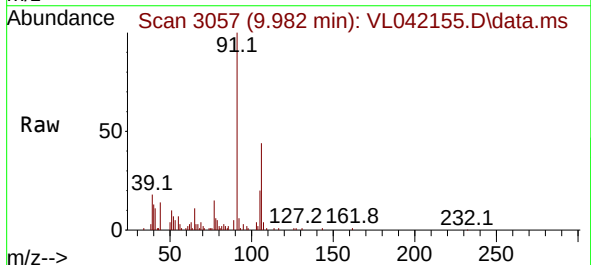
RT: 9.982 min Scan# 3057

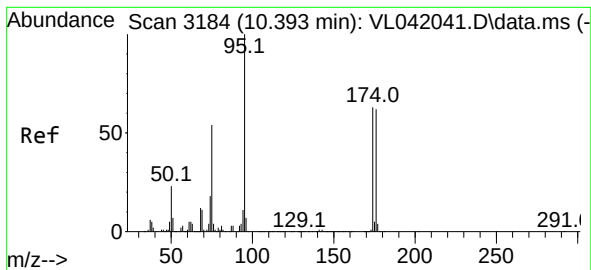
Delta R.T. -0.000 min

Lab File: VL042155.D

Acq: 17 Mar 2025 13:37

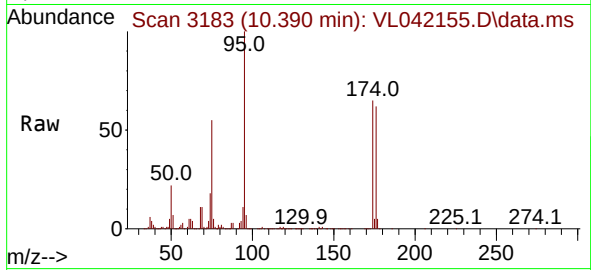
Tgt Ion: 91 Resp: 15505
 Ion Ratio Lower Upper
 91 100
 106 162.4 22.3 66.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.506 ppbv
 RT: 10.390 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL042155.D
 Acq: 17 Mar 2025 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 565-SG-1DL



Tgt Ion: 95 Resp: 297830
 Ion Ratio Lower Upper
 95 100
 174 67.1 51.8 77.6
 175 5.1 3.9 5.9

Manual Integrations
 APPROVED

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 Supervised By :Mahesh Dadoda 03/18/2025

