

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042250.D
 Acq On : 08 Apr 2025 01:17
 Operator : SY/MD
 Sample : Q1725-08 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-2-03312025

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025

Quant Time: Apr 08 04:48:43 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

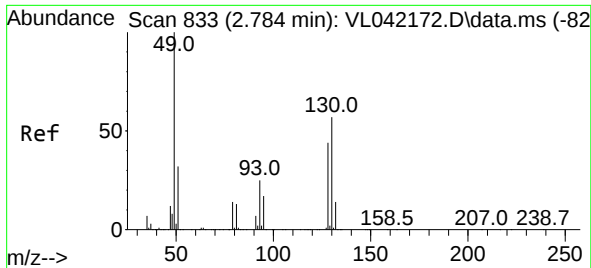
QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

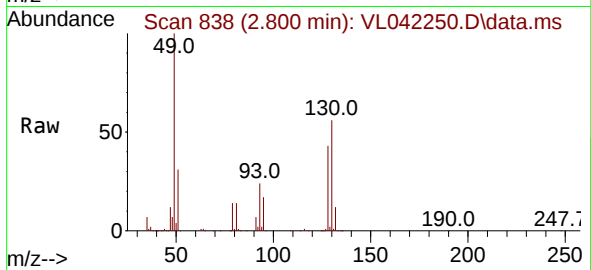
Internal Standards						
1) Bromochloromethane	2.800	49	202914	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	515559	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	442488	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	355772	9.791	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	3378	0.113	ppbv #	85
4) Chloromethane	1.538	50	1373	0.112	ppbv	93
9) Propene	1.492	41	26269m	1.873	ppbv	
13) Ethanol	1.729	45	1061779	800.643	ppbv	86
15) Acetone	1.842	43	997970	35.166	ppbv	98
17) tert-Butyl alcohol	2.052	59	10189m	0.288	ppbv	
19) Isopropyl Alcohol	1.894	45	1615569	100.898	ppbv #	32
20) Methylene Chloride	2.072	84	2531	0.239	ppbv	97
26) Hexane	2.842	57	3600	0.127	ppbv #	35
29) Chloroform	2.861	83	15997	0.384	ppbv	90
34) 2-Butanone	2.570	43	204814	5.479	ppbv	98
36) Benzene	3.680	78	5830m	0.114	ppbv	
52) Tetrachloroethene	8.247	164	15893	0.784	ppbv	96
53) Toluene	6.965	91	27648m	0.456	ppbv	
58) Ethyl Benzene	9.374	91	10176m	0.129	ppbv	
59) m/p-Xylene	9.555	91	29838	0.475	ppbv	95
60) o-Xylene	9.979	91	13109	0.208	ppbv	98
74) 1,2,4-Trimethylbenzene	11.552	105	13306	0.169	ppbv #	67

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

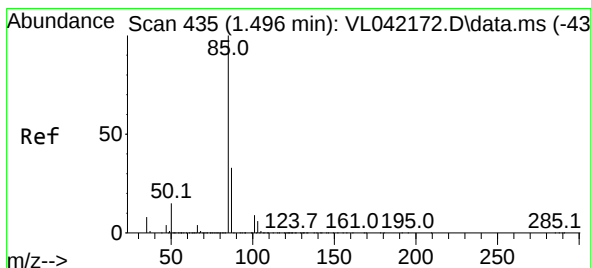
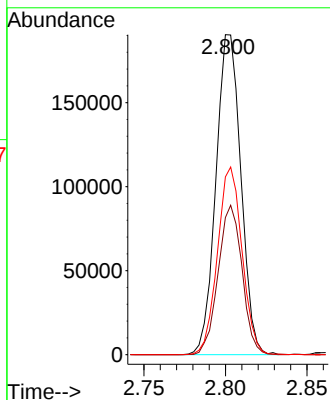
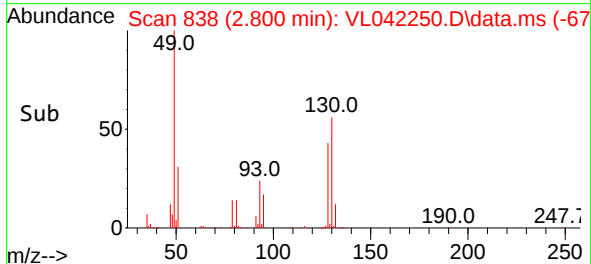
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025



Tgt Ion: 49 Resp: 202914
Ion Ratio Lower Upper
49 100
128 44.7 22.9 68.5
130 57.7 28.8 86.4

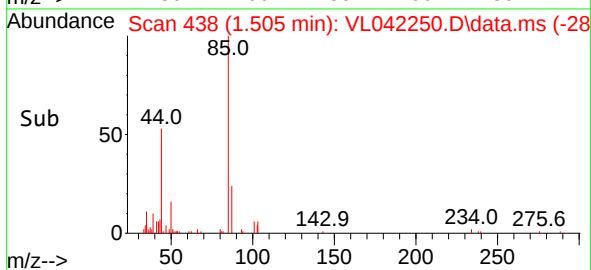
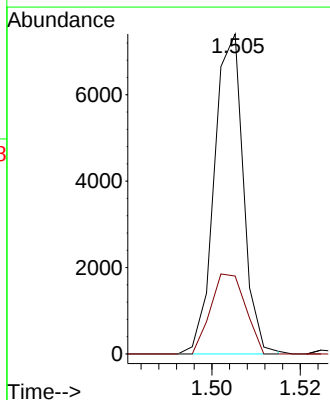
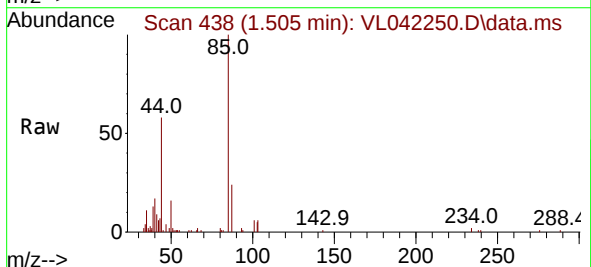
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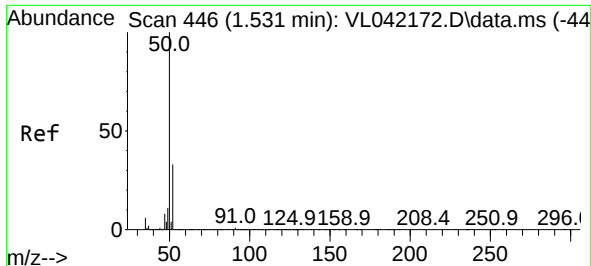
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#2
Dichlorodifluoromethane
Concen: 0.113 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 85 Resp: 3378
Ion Ratio Lower Upper
85 100
87 24.4 26.1 39.1#





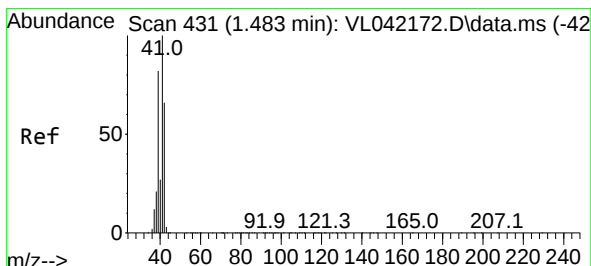
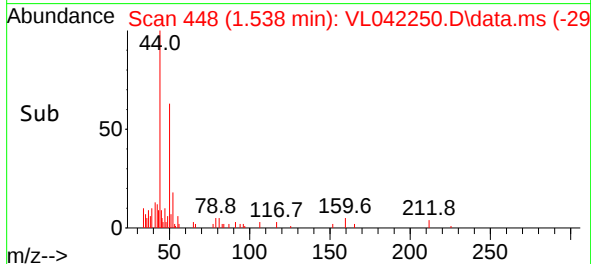
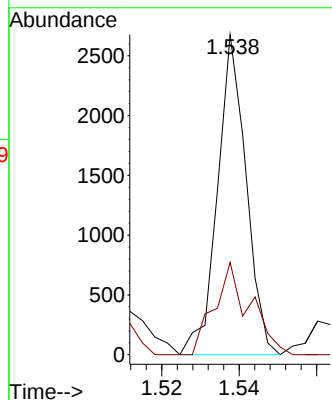
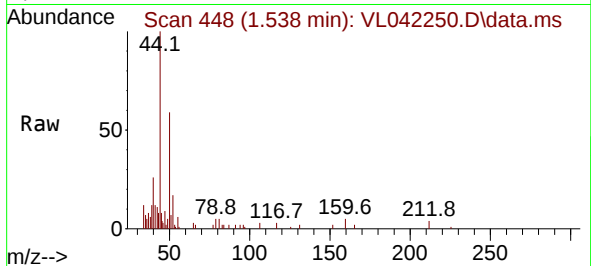
#4
Chloromethane
Concen: 0.112 ppbv
RT: 1.538 min Scan# 446
Delta R.T. 0.006 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 50 Resp: 137
Ion Ratio Lower Upper
50 100
52 28.8 26.1 39.1

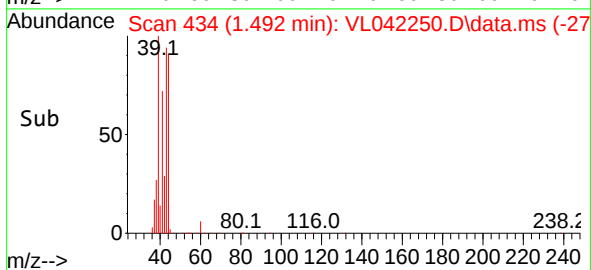
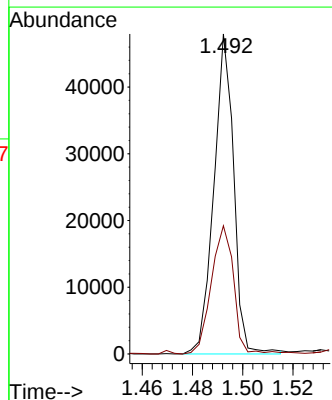
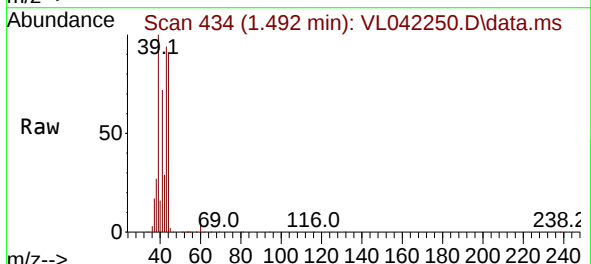
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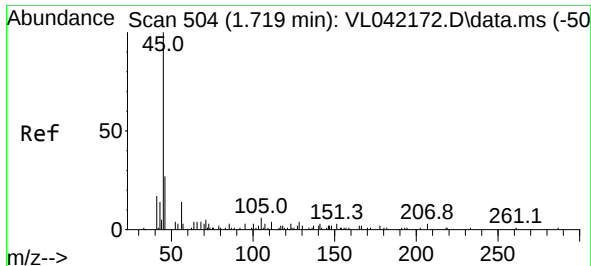
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#9
Propene
Concen: 1.873 ppbv m
RT: 1.492 min Scan# 434
Delta R.T. 0.010 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

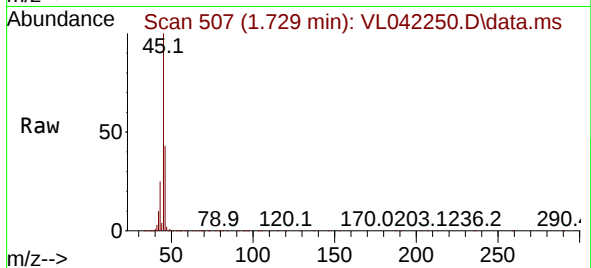
Tgt Ion: 41 Resp: 26269
Ion Ratio Lower Upper
41 100
42 410.7 55.4 83.2#





#13
Ethanol
Concen: 800.643 ppbv
RT: 1.729 min Scan# 504
Delta R.T. 0.009 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

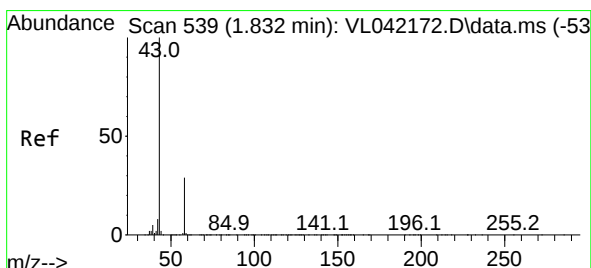
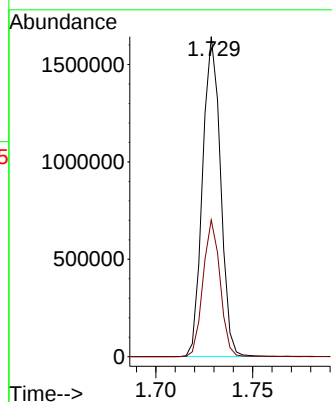
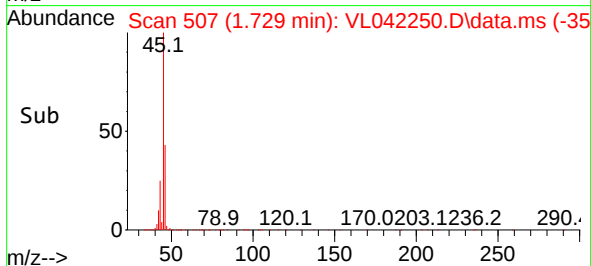
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025



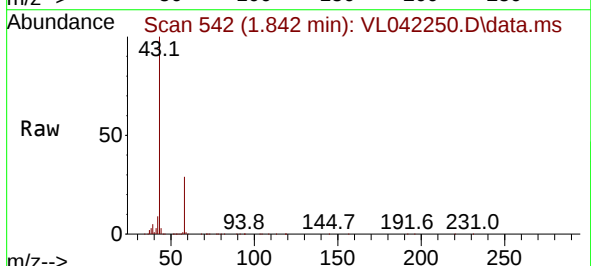
Tgt Ion: 45 Resp: 1061779
Ion Ratio Lower Upper
45 100
46 40.7 20.2 80.8

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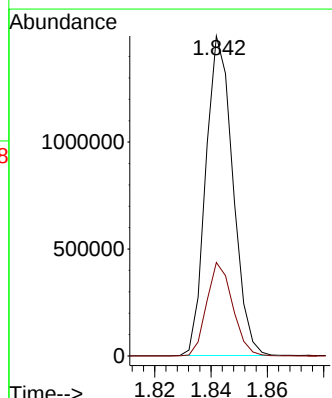
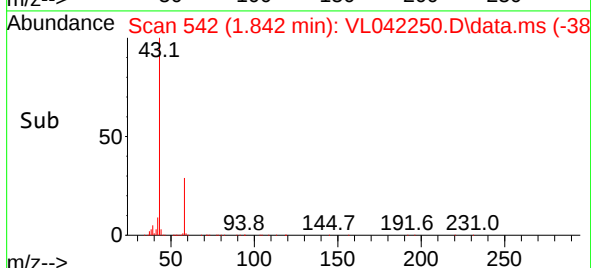
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

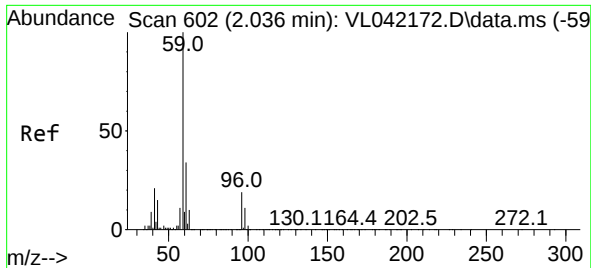


#15
Acetone
Concen: 35.166 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.010 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17



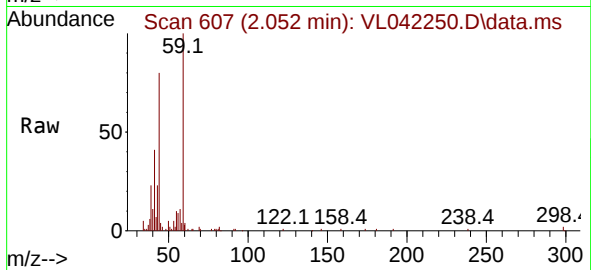
Tgt Ion: 43 Resp: 997970
Ion Ratio Lower Upper
43 100
58 28.1 23.2 34.8





#17
tert-Butyl alcohol
Concen: 0.288 ppbv m
RT: 2.052 min Scan# 602
Delta R.T. 0.016 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

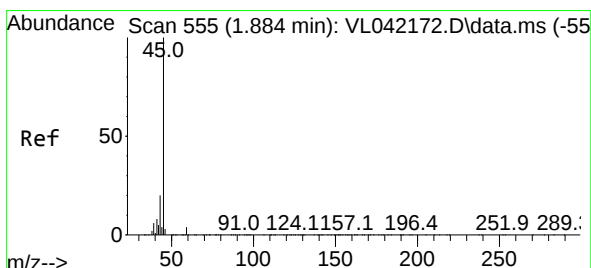
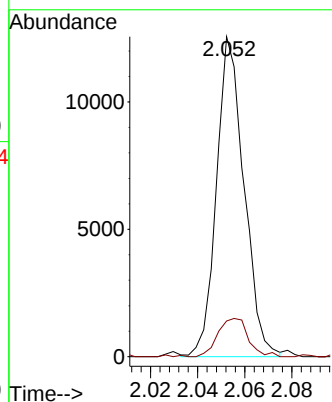
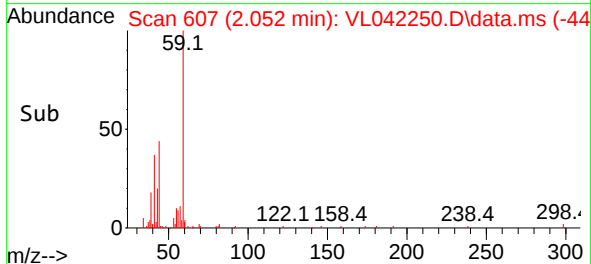
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025



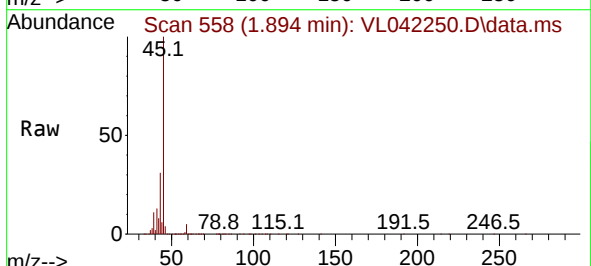
Tgt Ion: 59 Resp: 10189
Ion Ratio Lower Upper
59 100
57 66.7 8.9 13.3

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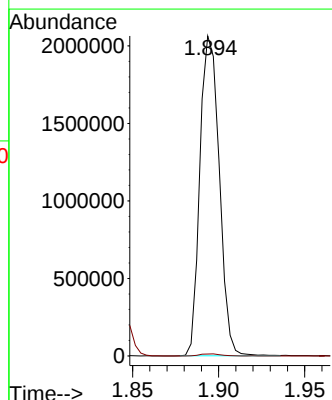
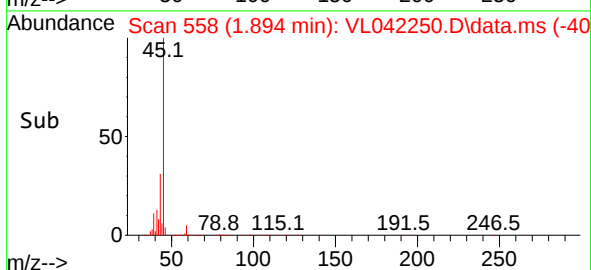
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

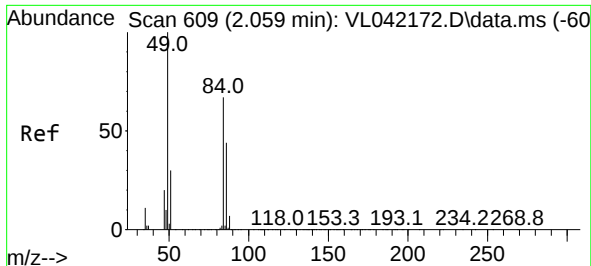


#19
Isopropyl Alcohol
Concen: 100.898 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.009 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17



Tgt Ion: 45 Resp: 1615569
Ion Ratio Lower Upper
45 100
58 0.8 36.9 55.3





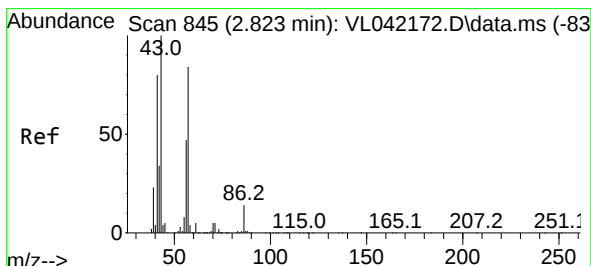
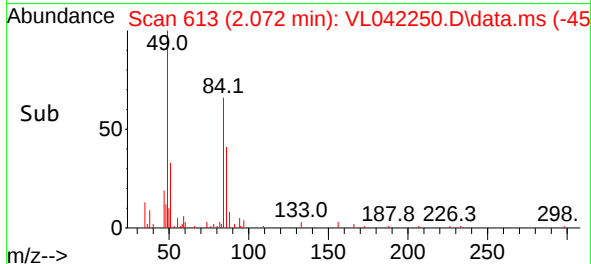
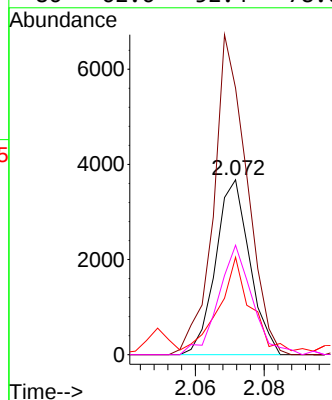
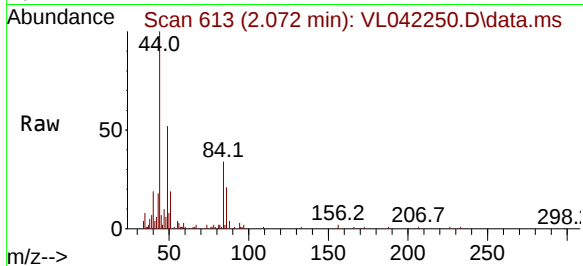
#20
Methylene Chloride
Concen: 0.239 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 84	Resp: 253
Ion Ratio	Lower Upper
84 100	
49 149.9	120.2 180.4
51 53.1	37.4 56.0
86 62.6	52.4 78.6

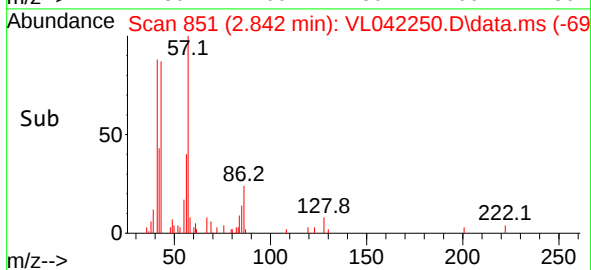
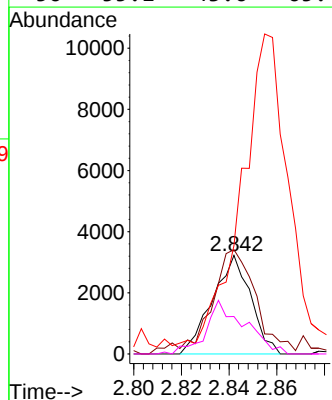
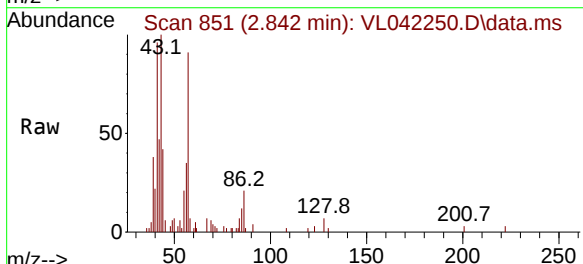
Manual Integrations
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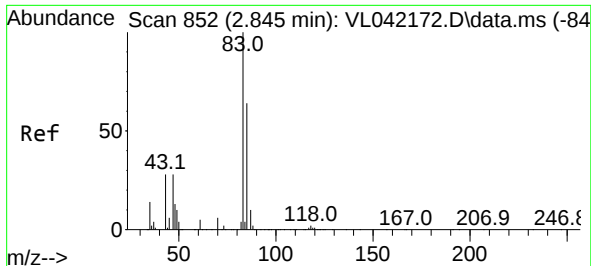
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#26
Hexane
Concen: 0.127 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 57	Resp: 3600
Ion Ratio	Lower Upper
57 100	
41 134.7	76.6 114.8#
43 415.9	207.8 311.8#
56 55.1	43.6 65.4





#29

Chloroform

Concen: 0.384 ppbv

RT: 2.861 min Scan# 81

Delta R.T. 0.016 min

Lab File: VL042250.D

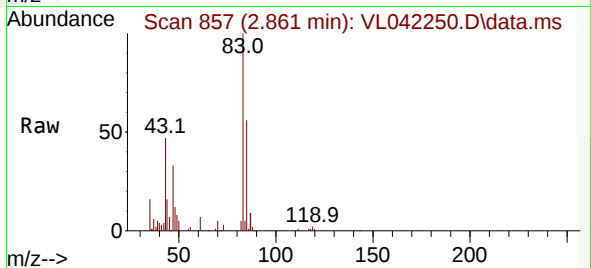
Acq: 08 Apr 2025 01:17

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B10-2-03312025

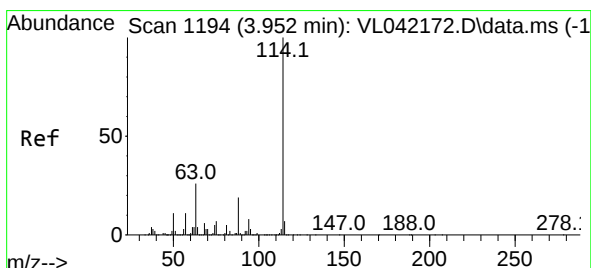
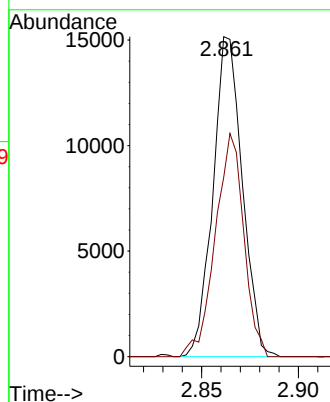
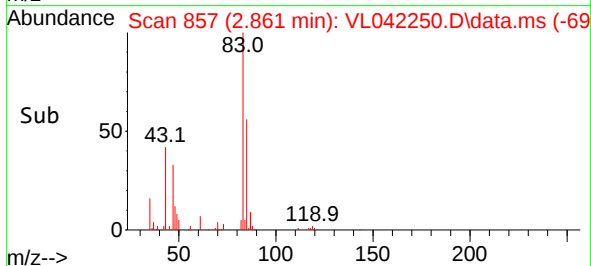


Tgt Ion:	83	Resp:	1599
Ion Ratio	100	Lower	Upper
83	100		
85	56.1	51.4	77.2

Manual Integrations

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Supervised By :Mahesh Dadoda 04/09/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

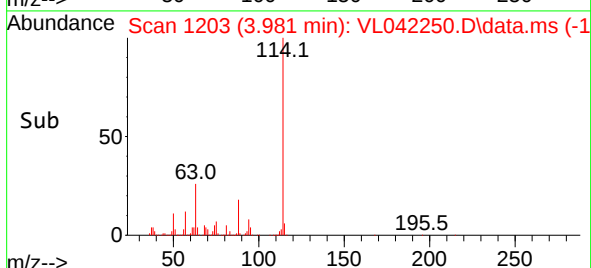
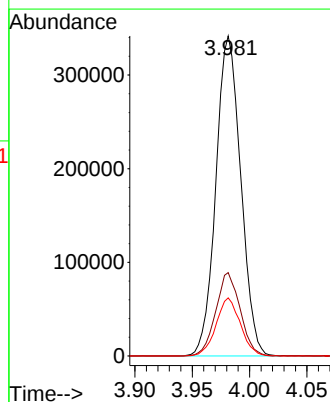
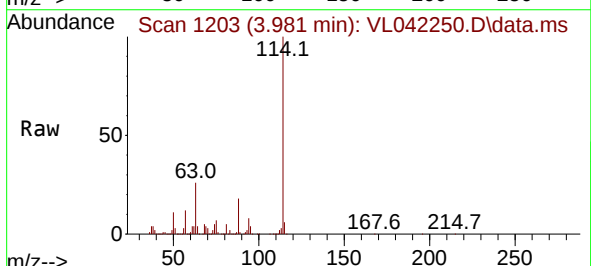
RT: 3.981 min Scan# 1203

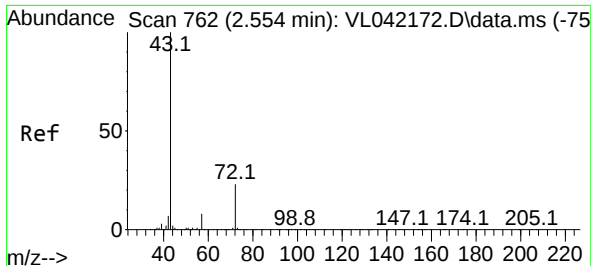
Delta R.T. 0.029 min

Lab File: VL042250.D

Acq: 08 Apr 2025 01:17

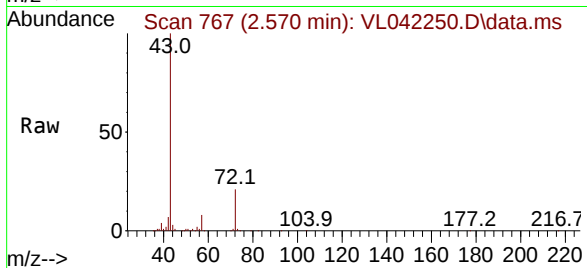
Tgt Ion:	114	Resp:	515559
Ion Ratio	100	Lower	Upper
114	100		
63	25.6	20.7	31.1
88	17.7	15.0	22.4





#34
2-Butanone
Concen: 5.479 ppbv
RT: 2.570 min Scan# 70
Delta R.T. 0.016 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

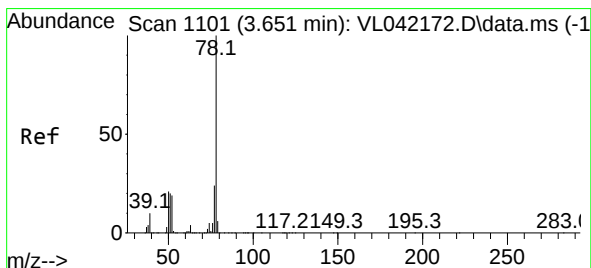
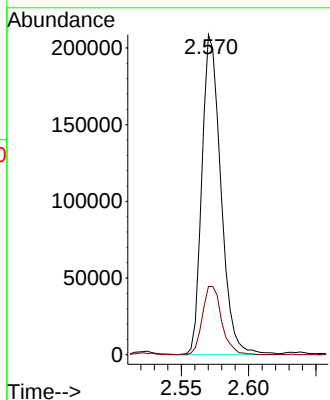
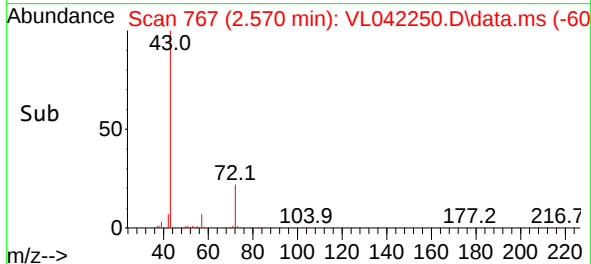
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025



Tgt Ion: 43 Resp: 204814
Ion Ratio Lower Upper
43 100
72 21.6 18.2 27.2

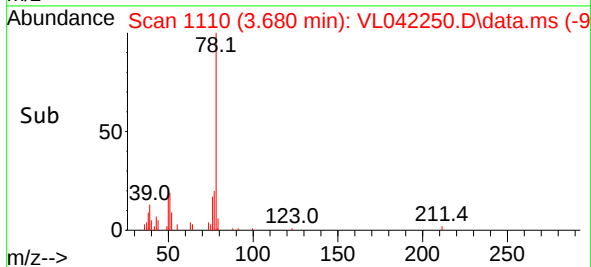
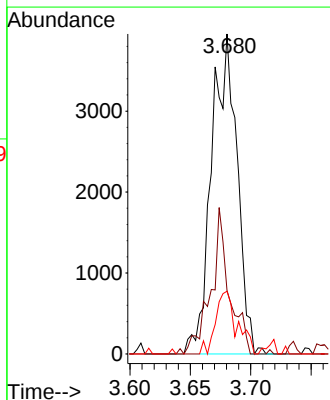
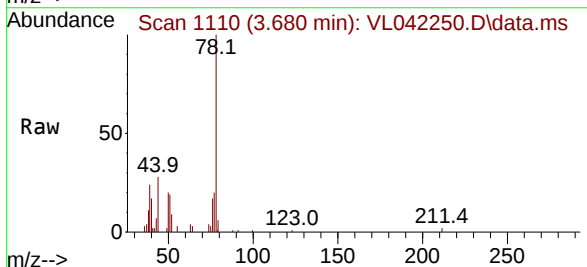
Manual Integrations
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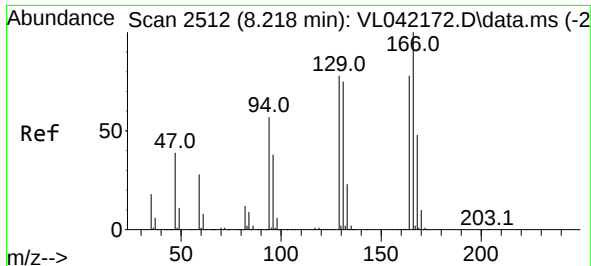
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#36
Benzene
Concen: 0.114 ppbv m
RT: 3.680 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 78 Resp: 5830
Ion Ratio Lower Upper
78 100
77 19.9 19.1 28.7
50 19.6 16.6 24.8





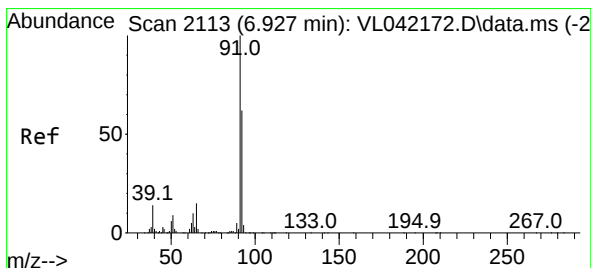
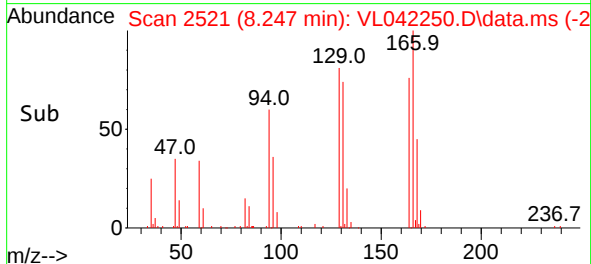
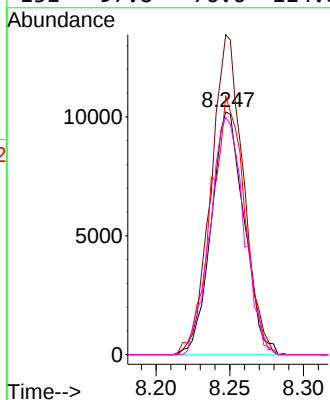
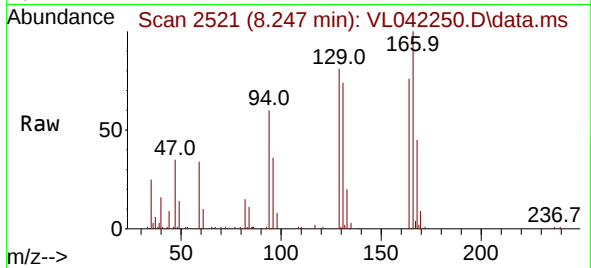
#52
Tetrachloroethene
Concen: 0.784 ppbv
RT: 8.247 min Scan# 2125
Delta R.T. 0.029 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion:164 Resp: 1589
Ion Ratio Lower Upper
164 100
166 131.8 102.5 153.7
129 106.5 79.8 119.8
131 97.8 76.6 114.8

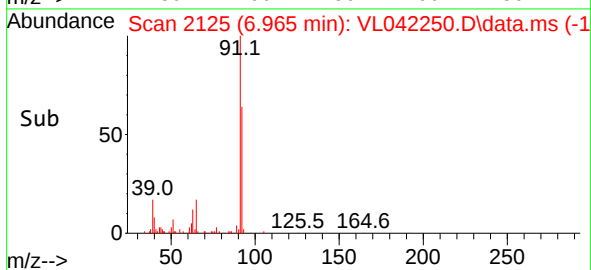
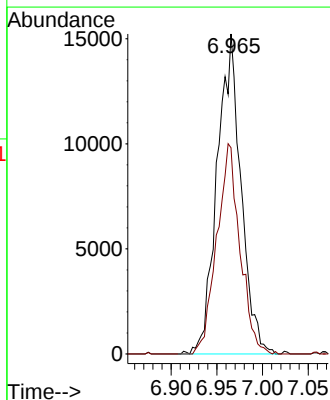
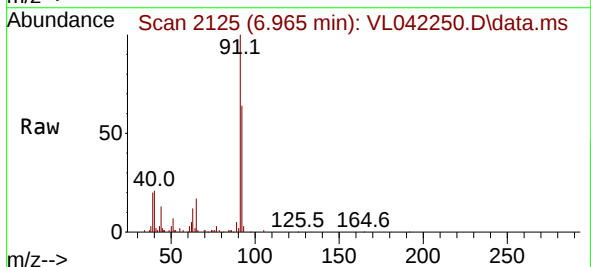
Manual Integrations
APPROVED

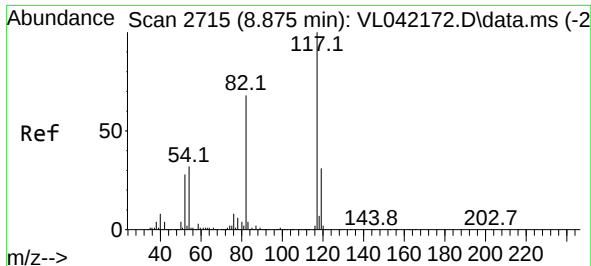
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#53
Toluene
Concen: 0.456 ppbv m
RT: 6.965 min Scan# 2125
Delta R.T. 0.039 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

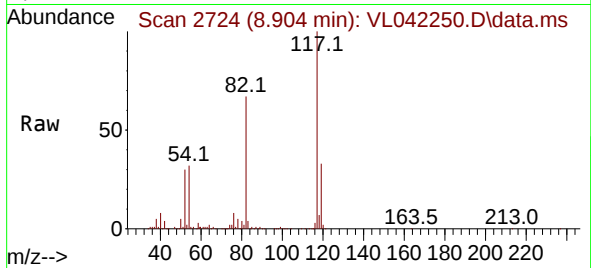
Tgt Ion: 91 Resp: 27648
Ion Ratio Lower Upper
91 100
92 0.0 48.4 72.6#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

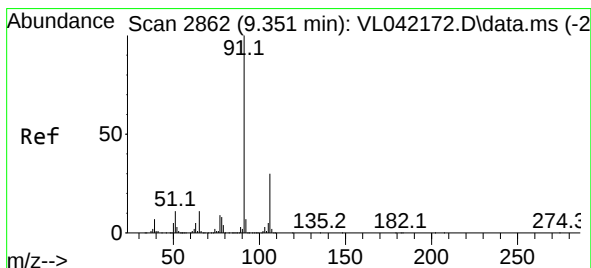
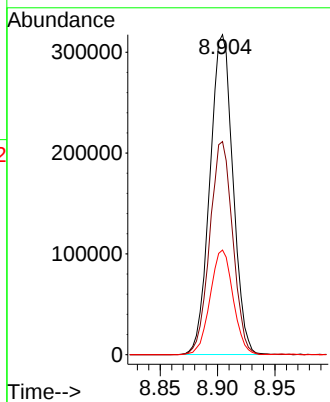
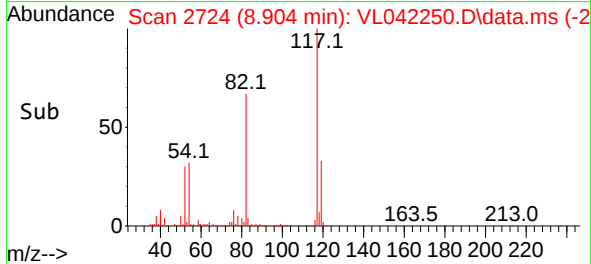
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025



Tgt Ion: 117 Resp: 442488
Ion Ratio Lower Upper
117 100
82 66.7 55.8 83.6
119 32.9 25.5 38.3

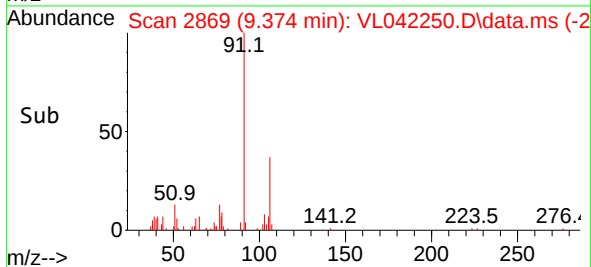
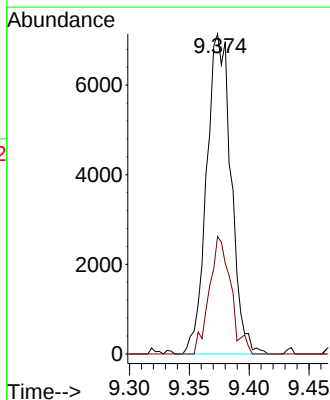
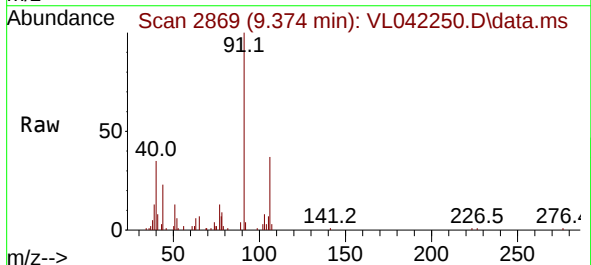
Manual Integrations
APPROVED

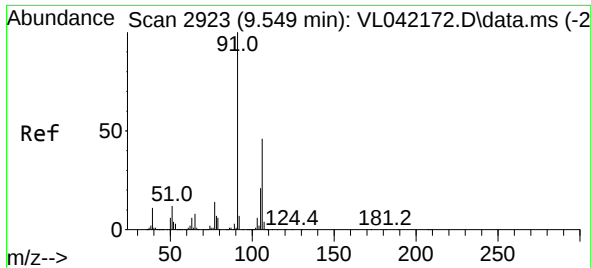
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#58
Ethyl Benzene
Concen: 0.129 ppbv m
RT: 9.374 min Scan# 2869
Delta R.T. 0.022 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

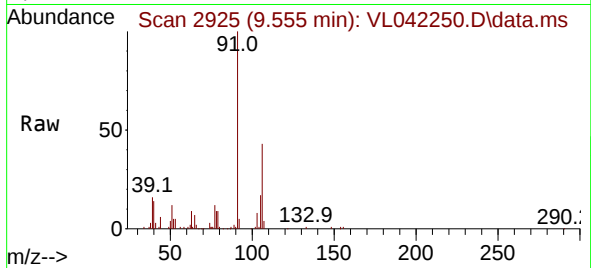
Tgt Ion: 91 Resp: 10176
Ion Ratio Lower Upper
91 100
106 36.7 24.2 36.2#





#59
m/p-Xylene
Concen: 0.475 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.006 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

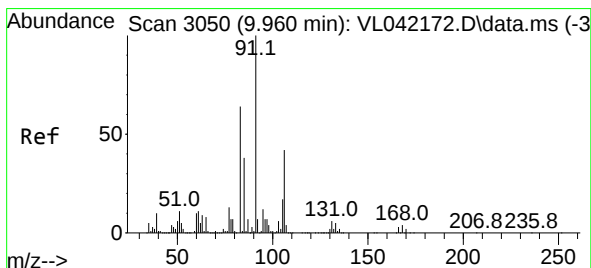
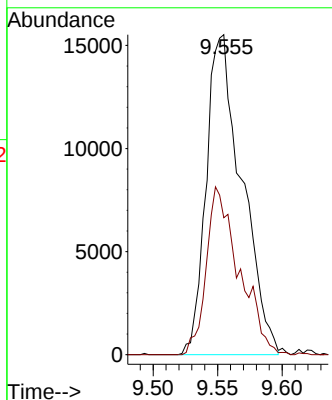
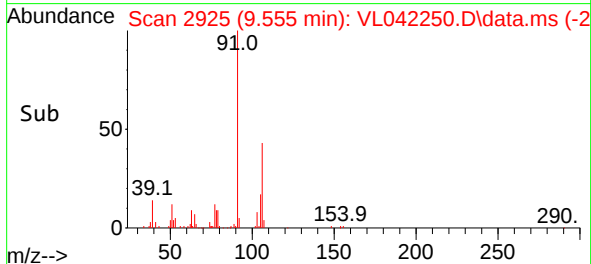
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025



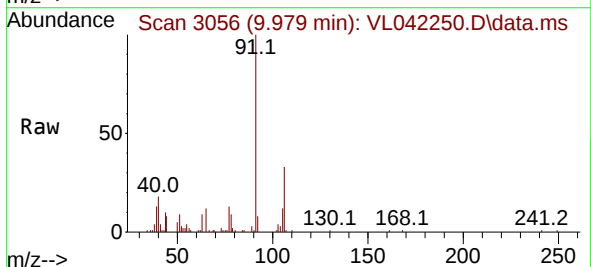
Tgt Ion: 91 Resp: 29838
Ion Ratio Lower Upper
91 100
106 48.5 36.4 54.6

Manual Integrations
APPROVED

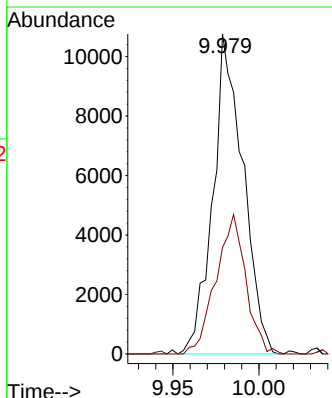
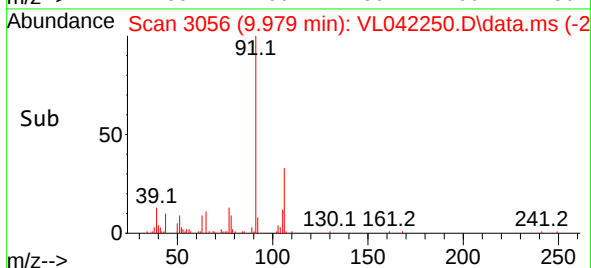
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

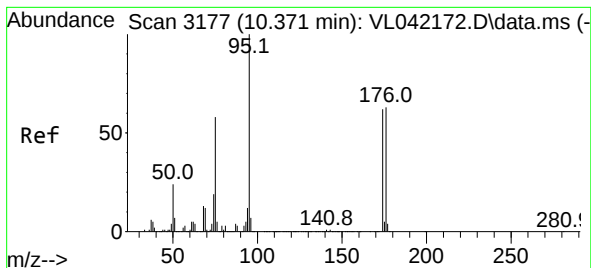


#60
o-Xylene
Concen: 0.208 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. 0.019 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17



Tgt Ion: 91 Resp: 13109
Ion Ratio Lower Upper
91 100
106 43.1 20.8 62.5





#68

1-Bromo-4-Fluorobenzene

Concen: 9.791 ppbv

RT: 10.396 min Scan# 3177

Delta R.T. 0.026 min

Lab File: VL042250.D

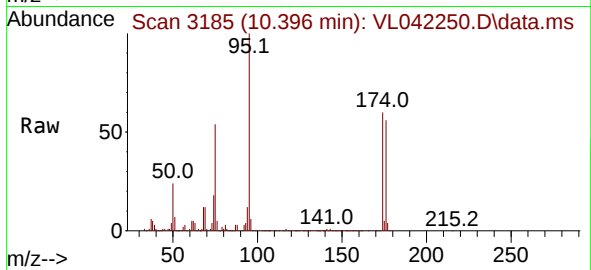
Acq: 08 Apr 2025 01:17

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B10-2-03312025



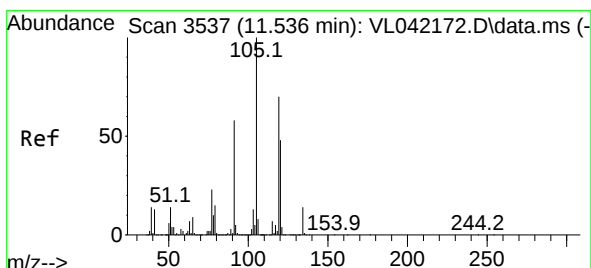
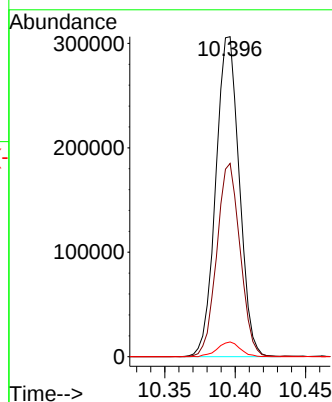
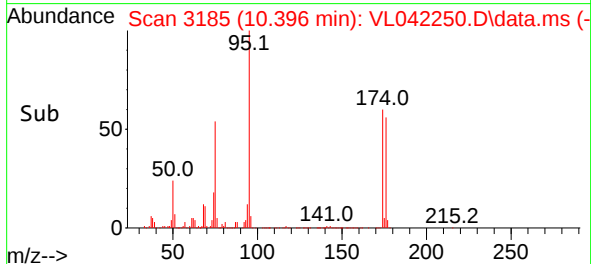
Tgt Ion: 95 Resp: 355772

Ion	Ratio	Lower	Upper
95	100		
174	60.1	50.6	76.0
175	4.5	3.8	5.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.169 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. 0.016 min

Lab File: VL042250.D

Acq: 08 Apr 2025 01:17

Tgt Ion:105 Resp: 13306

Ion	Ratio	Lower	Upper
105	100		
120	39.2	38.6	58.0
91	13.6	46.2	69.2#
77	19.1	18.6	27.8

