

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL033125\
 Data File : VL042205.D
 Acq On : 31 Mar 2025 11:52
 Operator : SY/MD
 Sample : Q1669-06DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-DUP-1-3262025DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 04:03:48 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	188934	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.985	114	537109	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.908	117	480959	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.397	95	388692	9.841	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	3598	0.129	ppbv #	84
4) Chloromethane	1.538	50	1536	0.135	ppbv #	82
9) Propene	1.489	41	58893	4.509	ppbv	95
10) Heptane	5.014	43	14950m	0.430	ppbv	
13) Ethanol	1.732	45	32574	26.380	ppbv	84
15) Acetone	1.845	43	150267m	5.687	ppbv	
26) Hexane	2.842	57	29019	1.095	ppbv #	33
30) Cyclohexane	3.884	84	8868	0.386	ppbv	96
34) 2-Butanone	2.577	43	62430	1.603	ppbv	99
36) Benzene	3.681	78	76263	1.432	ppbv	98
41) Tetrahydrofuran	3.082	42	11571m	0.516	ppbv	
44) 2,2,4-Trimethylpentane	4.671	57	50242	0.558	ppbv #	79
53) Toluene	6.966	91	150266	2.381	ppbv	98
58) Ethyl Benzene	9.377	91	27471	0.322	ppbv	95
59) m/p-Xylene	9.555	91	81487	1.195	ppbv	99
60) o-Xylene	9.986	91	28632	0.419	ppbv	92
61) Styrene	9.895	104	9837	0.291	ppbv	92
74) 1,2,4-Trimethylbenzene	11.555	105	24393	0.285	ppbv #	70

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

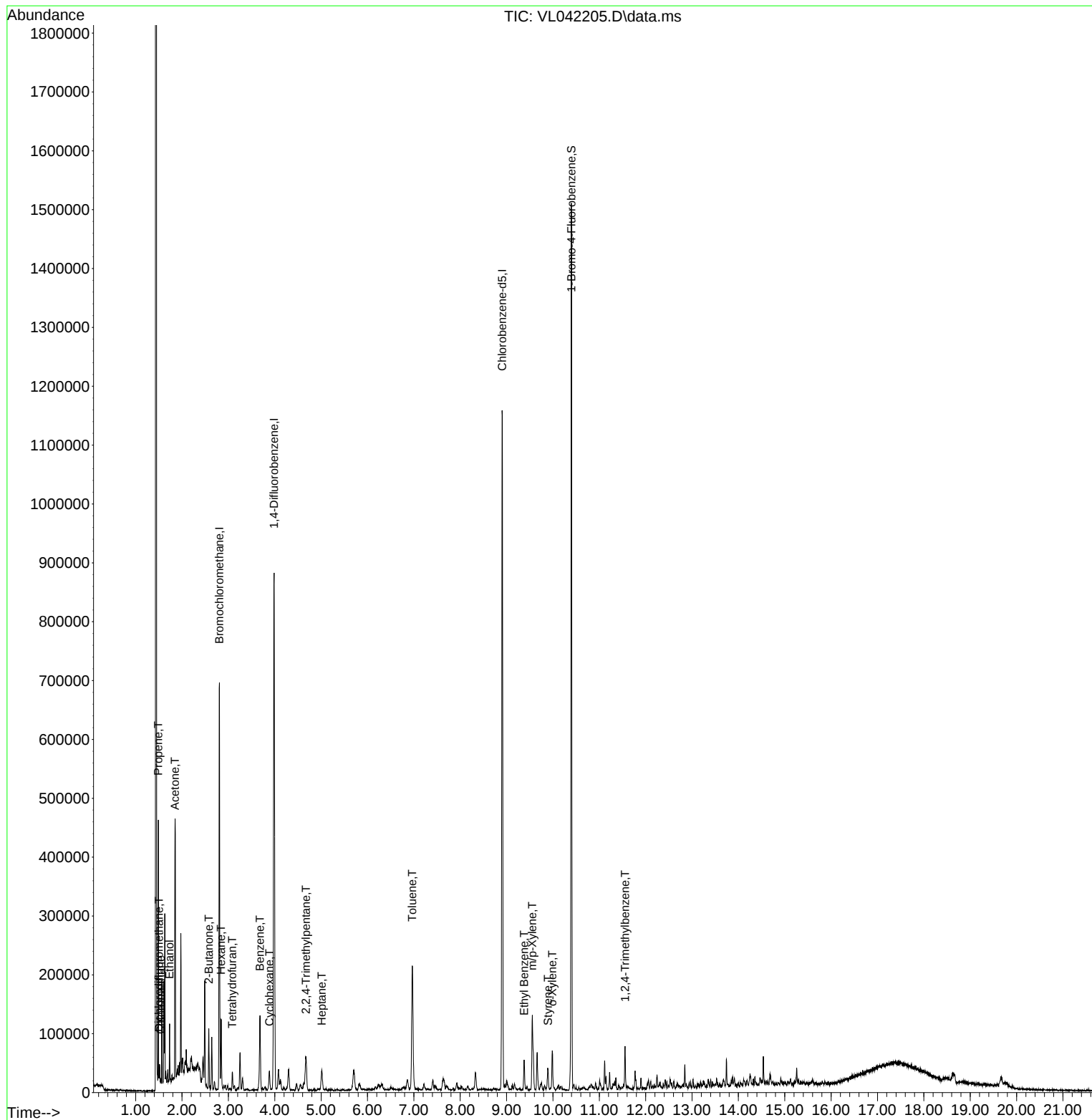
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL033125\
Data File : VL042205.D
Acq On : 31 Mar 2025 11:52
Operator : SY/MD
Sample : Q1669-06DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

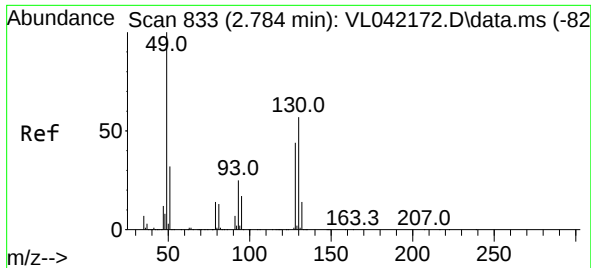
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DL

Quant Time: Apr 01 04:03:48 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

Manual Integrations
APPROVED

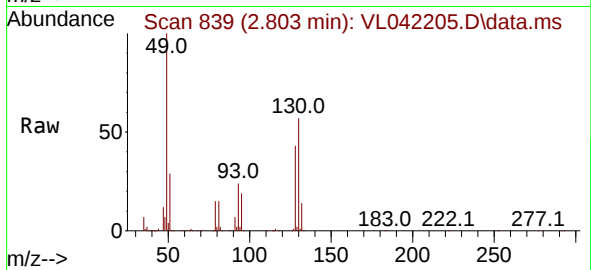
Reviewed By : Semsettin Yesilyurt 04/01/2025
Supervised By : Mahesh Dadoda 04/01/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 811
Delta R.T. 0.019 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

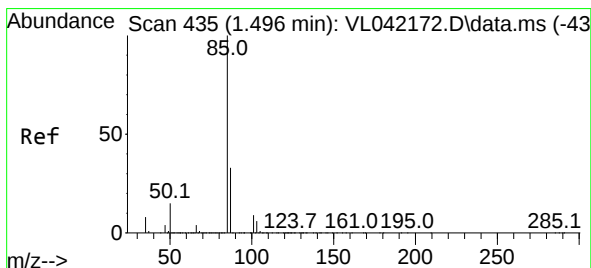
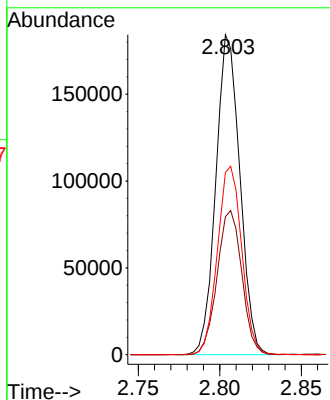
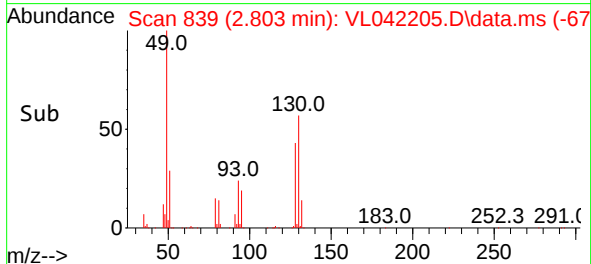
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DL



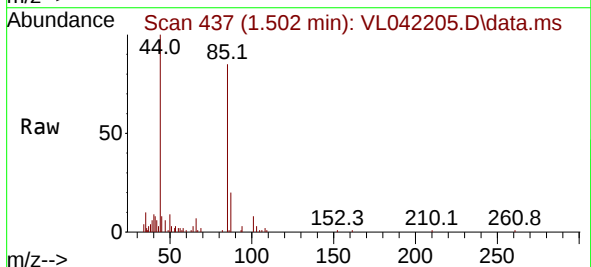
Tgt Ion: 49 Resp: 188934
Ion Ratio Lower Upper
49 100
128 46.3 22.9 68.5
130 59.5 28.8 86.4

Manual Integrations
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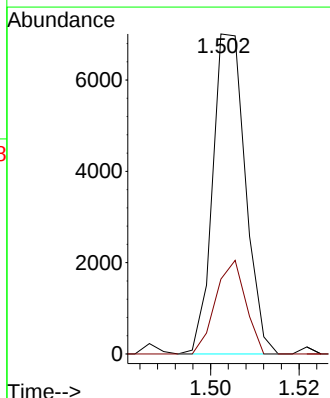
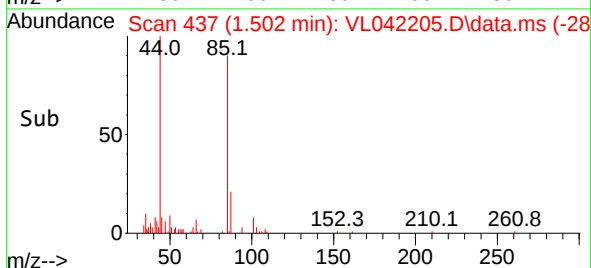
Reviewed By :Semsettin Yesilyurt 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

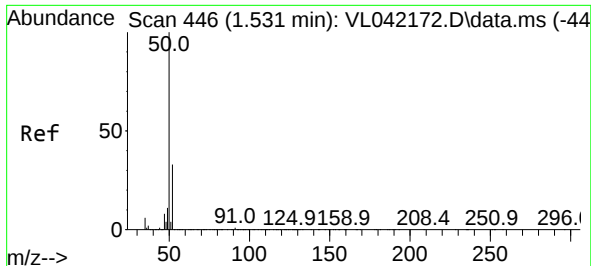


#2
Dichlorodifluoromethane
Concen: 0.129 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.007 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52



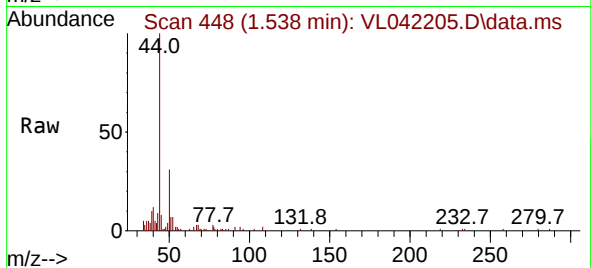
Tgt Ion: 85 Resp: 3598
Ion Ratio Lower Upper
85 100
87 23.4 26.1 39.1#





#4
Chloromethane
Concen: 0.135 ppbv
RT: 1.538 min Scan# 446
Delta R.T. 0.007 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

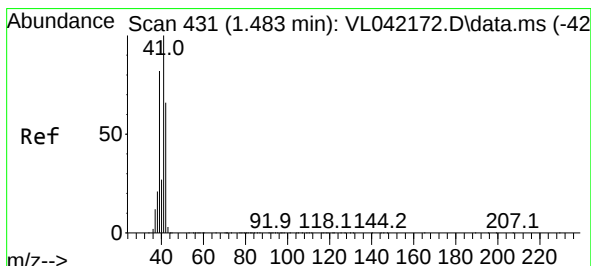
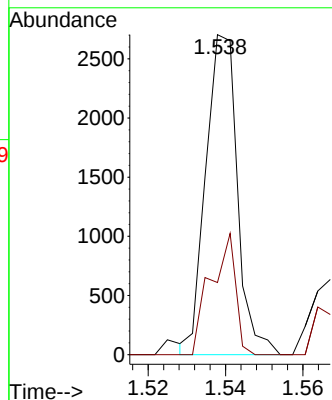
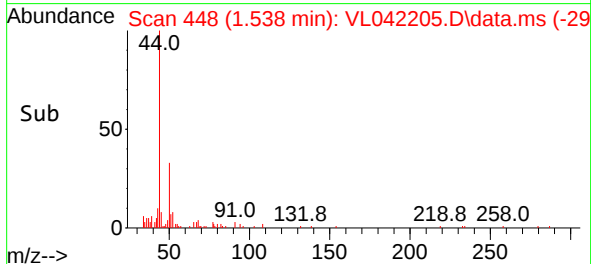
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DL



Tgt Ion: 50 Resp: 1530
Ion Ratio Lower Upper
50 100
52 22.6 26.1 39.1

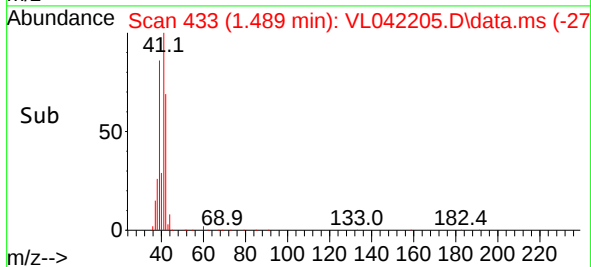
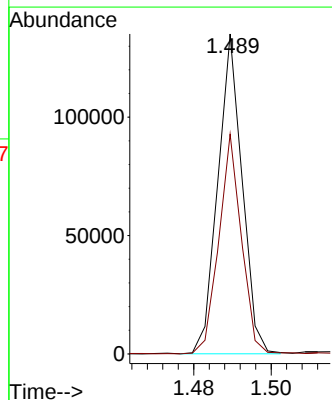
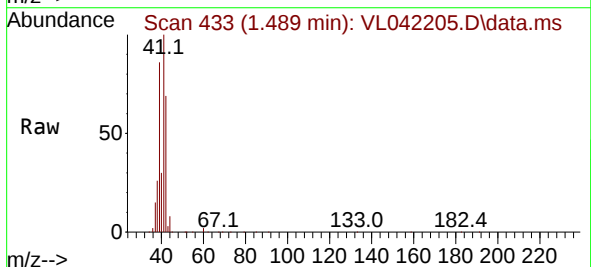
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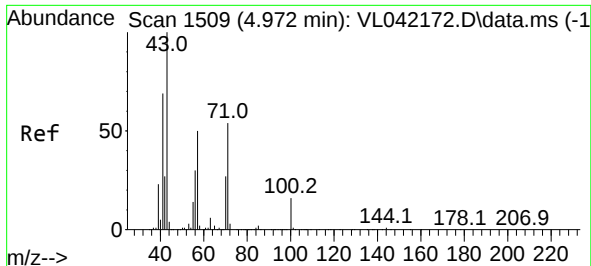
Reviewed By :Semsettin Yesilyurt 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#9
Propene
Concen: 4.509 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

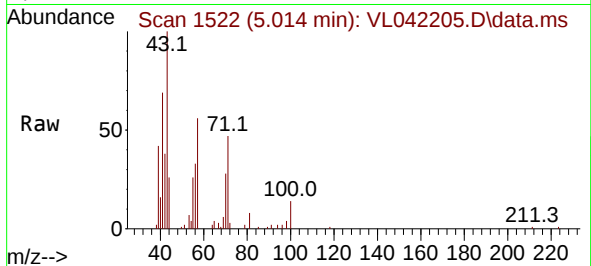
Tgt Ion: 41 Resp: 58893
Ion Ratio Lower Upper
41 100
42 65.3 55.4 83.2





#10
Heptane
Concen: 0.430 ppbv m
RT: 5.014 min Scan# 11
Delta R.T. 0.042 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

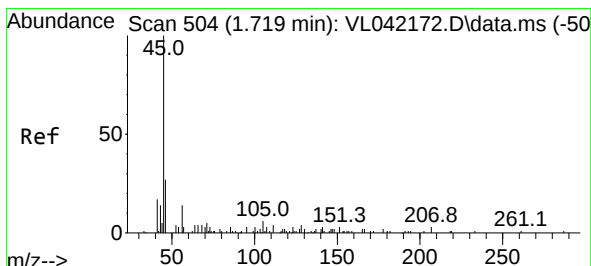
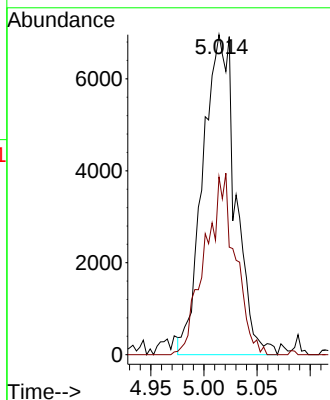
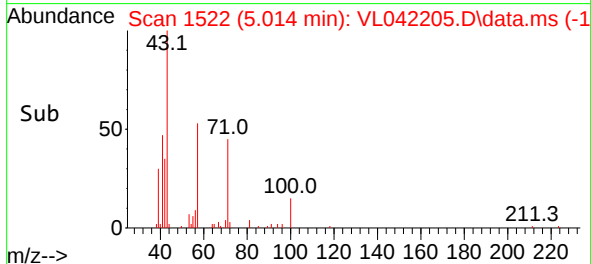
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DL



Tgt Ion: 43 Resp: 14950
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.2

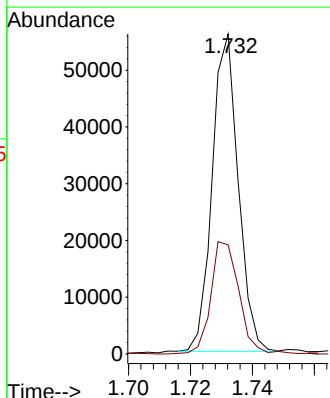
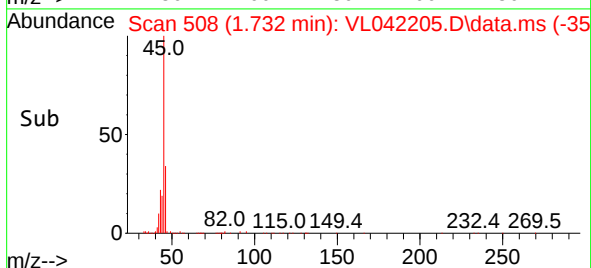
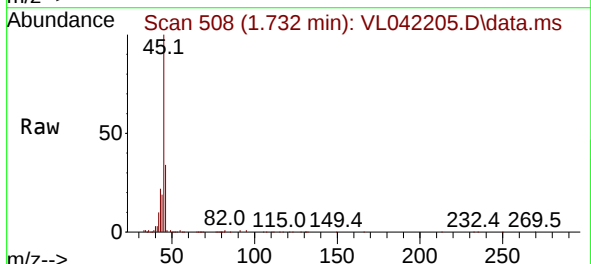
Manual Integrations
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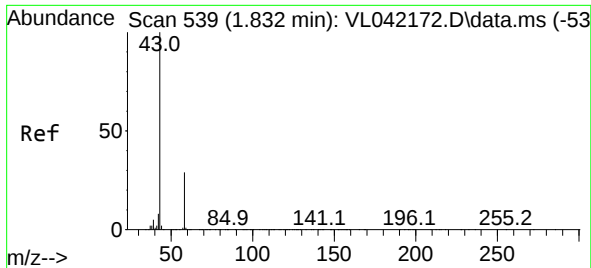
Reviewed By :Semsettin Yesilyurt 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#13
Ethanol
Concen: 26.380 ppbv
RT: 1.732 min Scan# 508
Delta R.T. 0.013 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

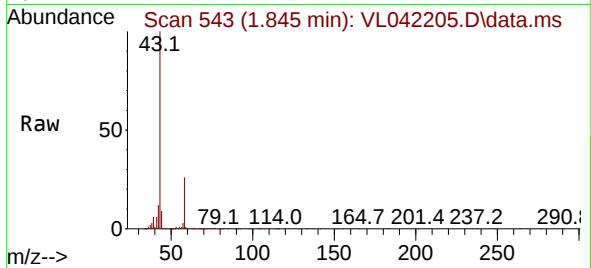
Tgt Ion: 45 Resp: 32574
Ion Ratio Lower Upper
45 100
46 39.1 20.2 80.8





#15
Acetone
Concen: 5.687 ppbv m
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

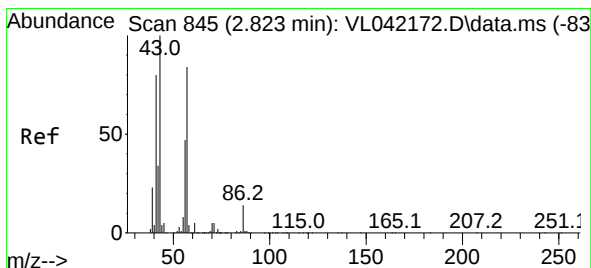
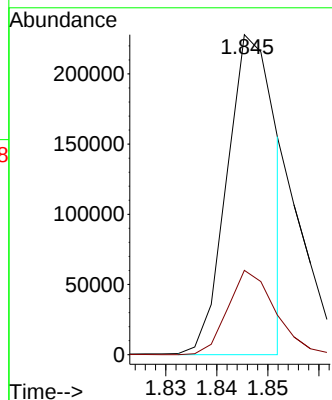
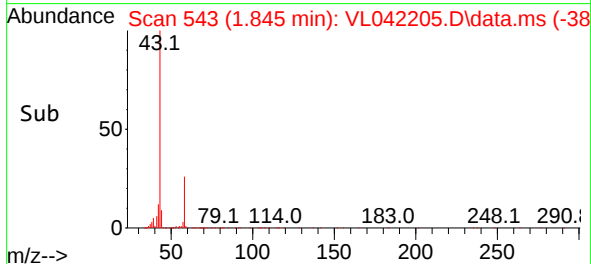
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DL



Tgt Ion: 43 Resp: 15026
Ion Ratio Lower Upper
43 100
58 26.3 23.2 34.8

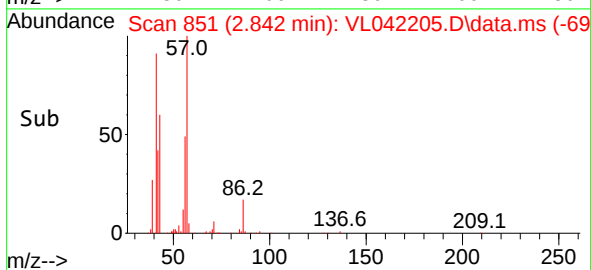
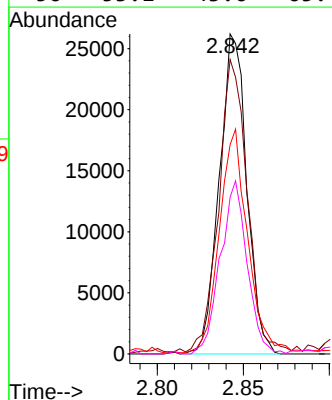
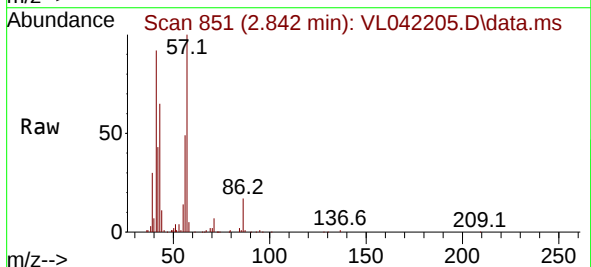
Manual Integrations
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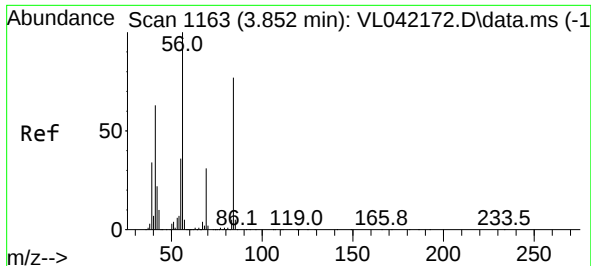
Reviewed By :Semsettin Yesilyurt 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#26
Hexane
Concen: 1.095 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.020 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

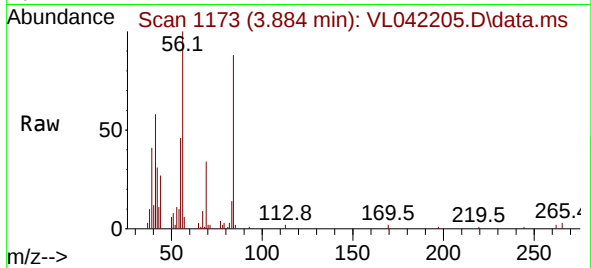
Tgt Ion: 57 Resp: 29019
Ion Ratio Lower Upper
57 100
41 96.6 76.6 114.8
43 72.3 207.8 311.8#
56 53.1 43.6 65.4





#30
Cyclohexane
Concen: 0.386 ppbv
RT: 3.884 min Scan# 1163
Delta R.T. 0.032 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

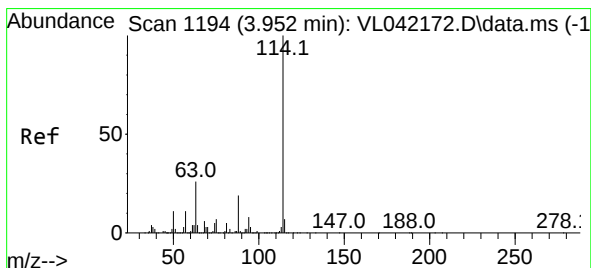
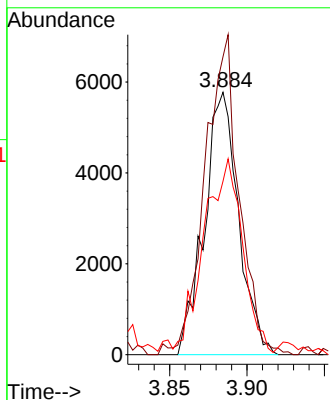
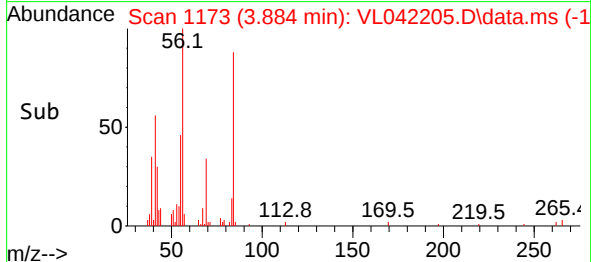
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DL



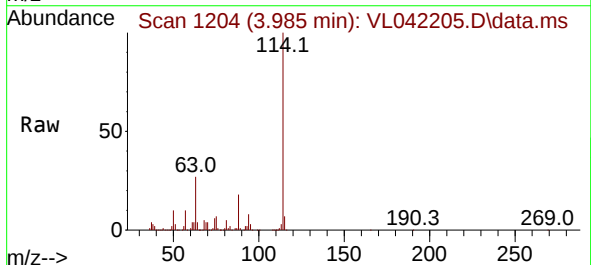
Tgt Ion: 84 Resp: 886
Ion Ratio Lower Upper
84 100
56 121.7 102.8 154.2
41 84.5 66.5 99.7

Manual Integrations
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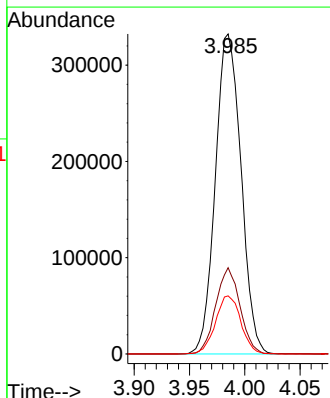
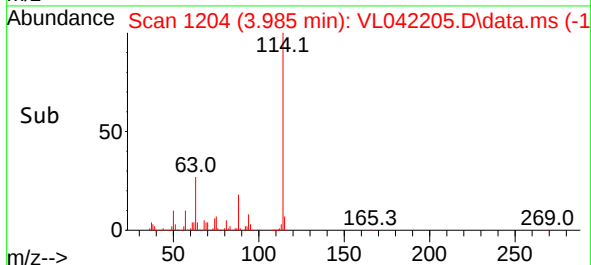
Reviewed By :Semsettin Yesilyurt 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

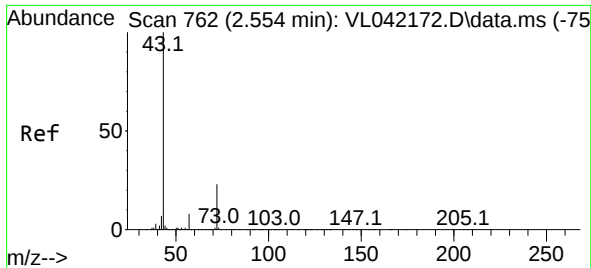


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. 0.032 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52



Tgt Ion:114 Resp: 537109
Ion Ratio Lower Upper
114 100
63 25.5 20.7 31.1
88 17.9 15.0 22.4





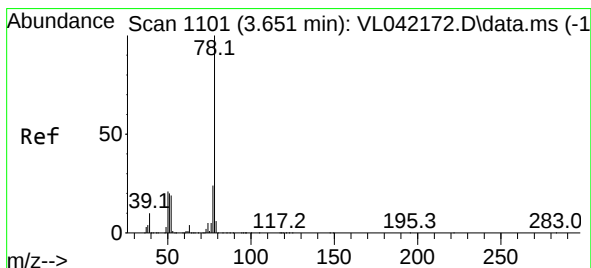
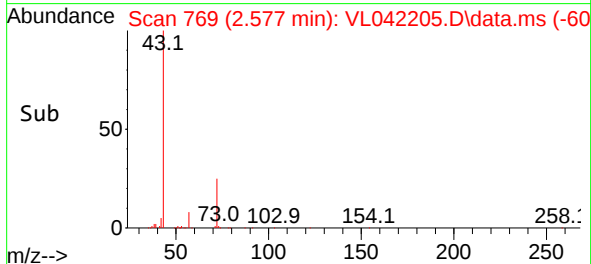
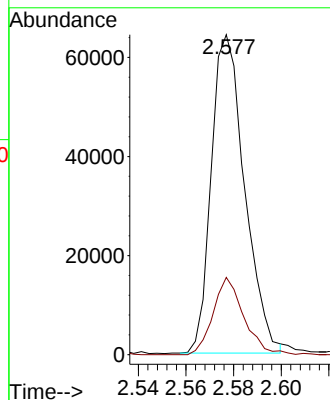
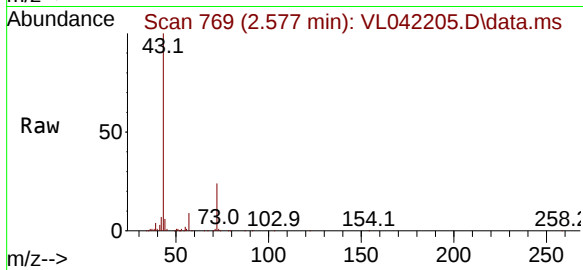
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2-Butanone
Concen: 1.603 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.023 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

Instrument :
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ClientSampleId :
SSSG-DUP-1-3262025DL

Tgt Ion: 43 Resp: 62430
Ion Ratio Lower Upper
43 100
72 22.4 18.2 27.2

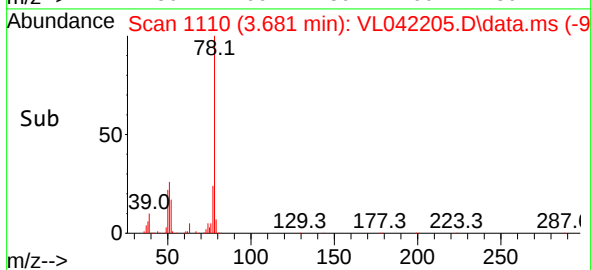
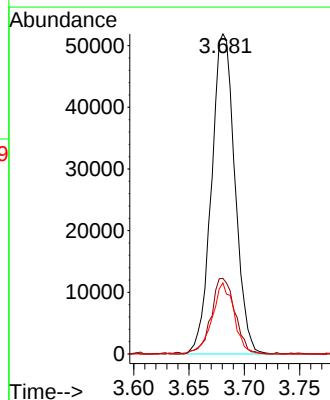
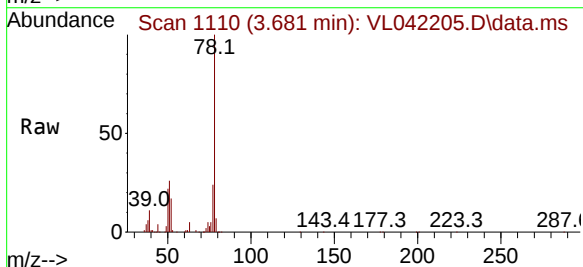
Manual Integrations
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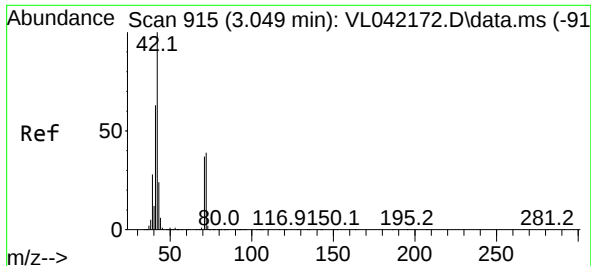
Reviewed By :Semsettin Yesilyurt 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#36
Benzene
Concen: 1.432 ppbv
RT: 3.681 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

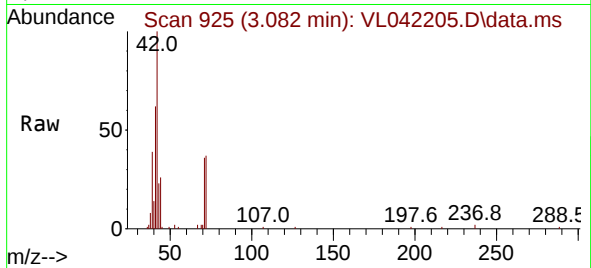
Tgt Ion: 78 Resp: 76263
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7
50 22.2 16.6 24.8





#41
Tetrahydrofuran
Concen: 0.516 ppbv m
RT: 3.082 min Scan# 915
Delta R.T. 0.032 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

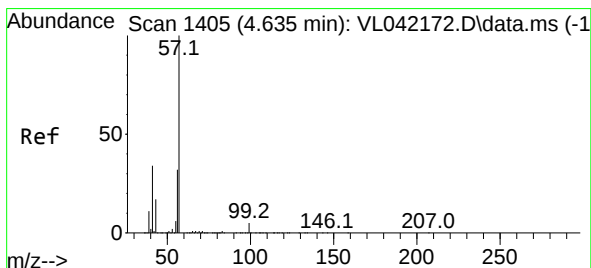
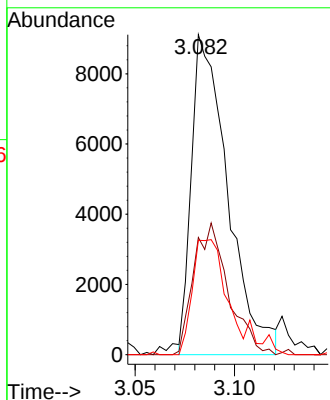
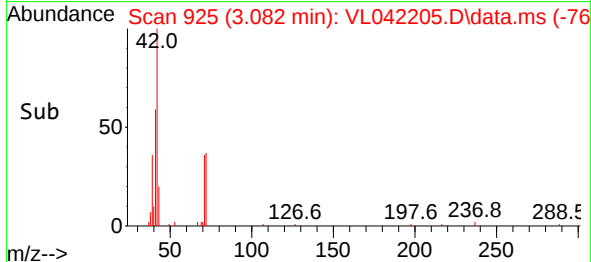
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DL



Tgt Ion: 42 Resp: 1157
Ion Ratio Lower Upper
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72 0.0 31.4 47.0#
71 0.0 30.2 45.4#

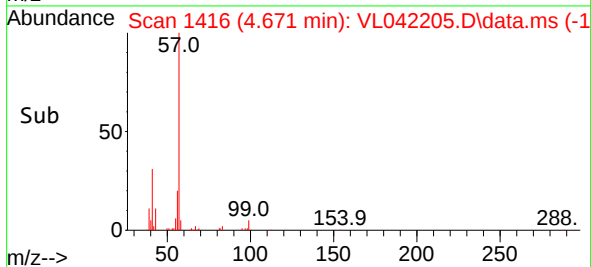
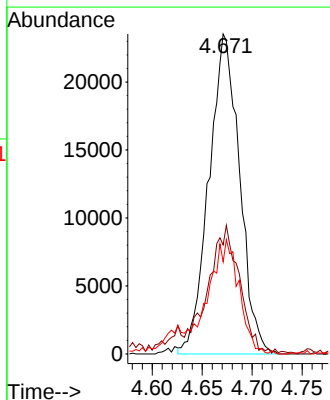
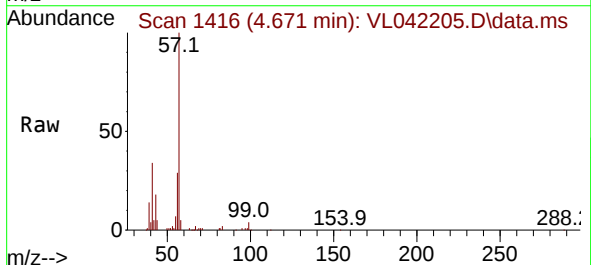
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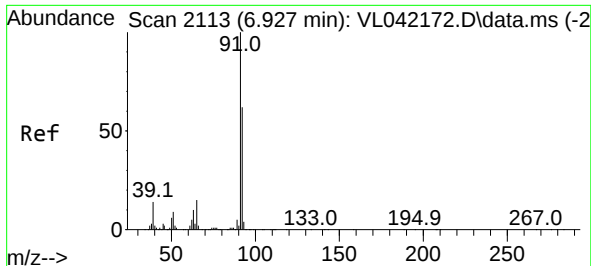
Reviewed By :Semsettin Yesilyurt 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#44
2,2,4-Trimethylpentane
Concen: 0.558 ppbv
RT: 4.671 min Scan# 1416
Delta R.T. 0.036 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

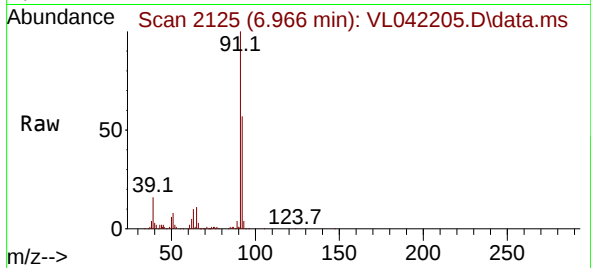
Tgt Ion: 57 Resp: 50242
Ion Ratio Lower Upper
57 100
41 47.6 26.8 40.2#
56 41.9 25.6 38.4#





#53
Toluene
Concen: 2.381 ppbv
RT: 6.966 min Scan# 2113
Delta R.T. 0.039 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

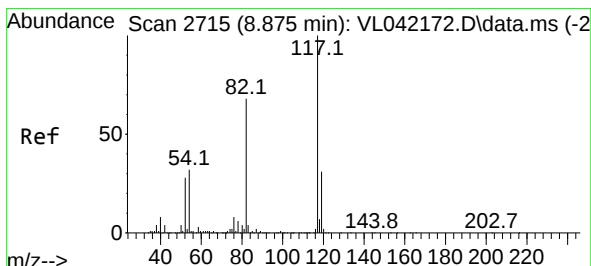
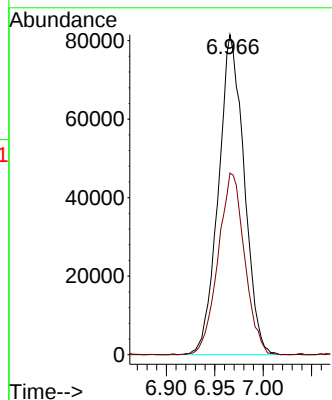
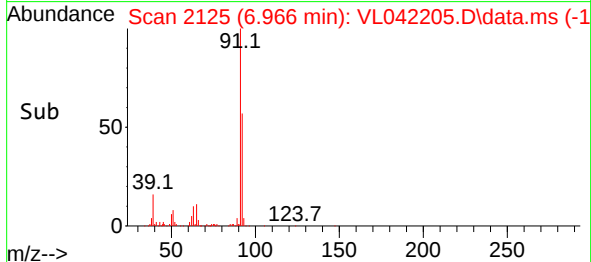
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DL



Tgt Ion: 91 Resp: 150260
Ion Ratio Lower Upper
91 100
92 58.7 48.4 72.6

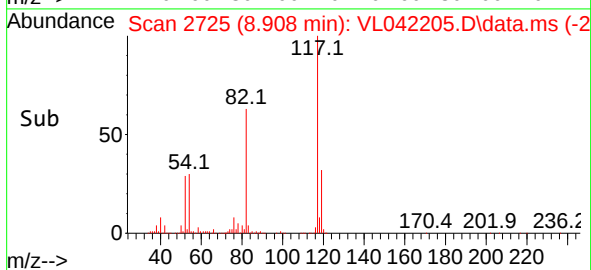
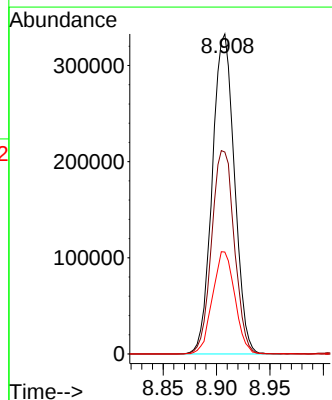
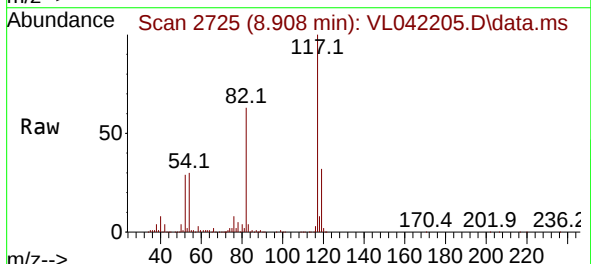
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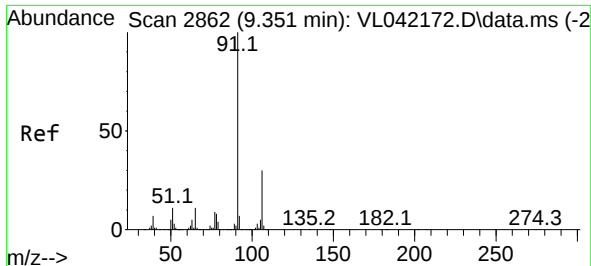
Reviewed By :Semsettin Yesilyurt 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.908 min Scan# 2725
Delta R.T. 0.032 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

Tgt Ion:117 Resp: 480959
Ion Ratio Lower Upper
117 100
82 65.1 55.8 83.6
119 32.3 25.5 38.3





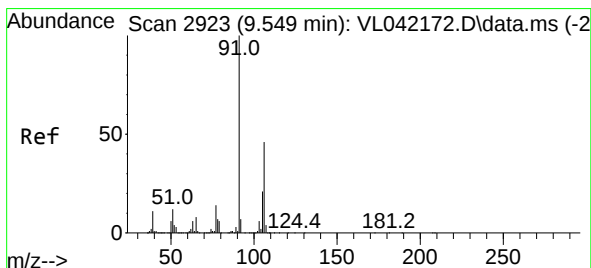
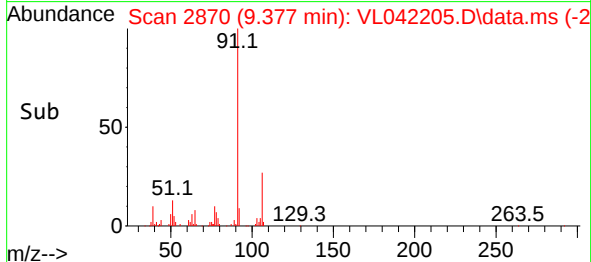
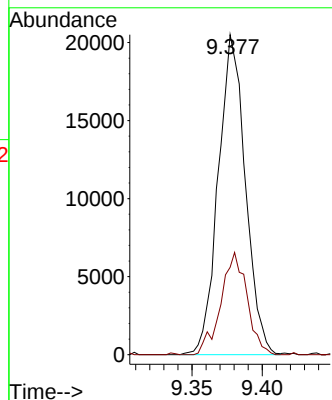
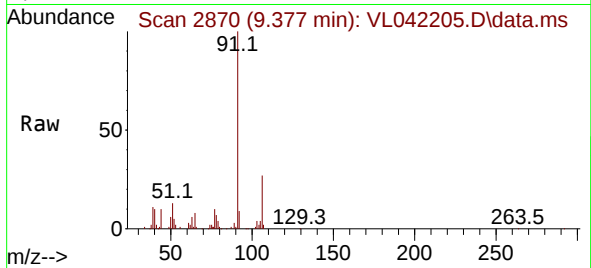
#58
Ethyl Benzene
Concen: 0.322 ppbv
RT: 9.377 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DL

Tgt Ion: 91 Resp: 2747
Ion Ratio Lower Upper
91 100
106 27.3 24.2 36.2

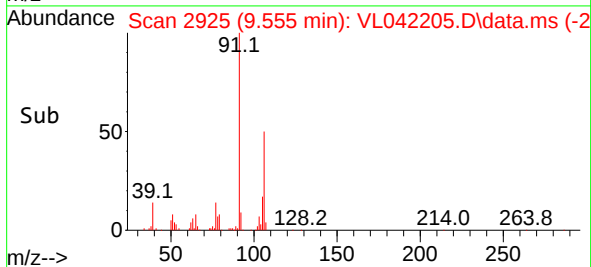
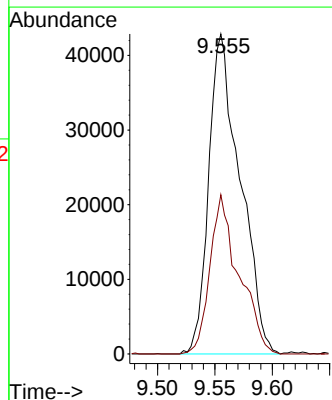
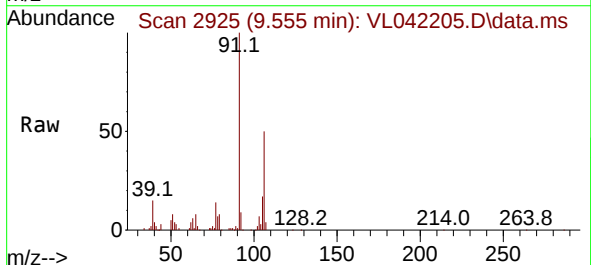
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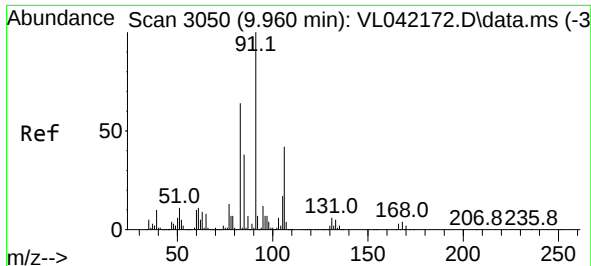
Reviewed By :Semsettin Yesilyurt 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#59
m/p-Xylene
Concen: 1.195 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.007 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

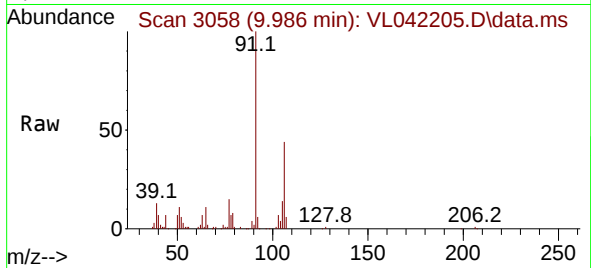
Tgt Ion: 91 Resp: 81487
Ion Ratio Lower Upper
91 100
106 46.0 36.4 54.6





#60
o-Xylene
Concen: 0.419 ppbv
RT: 9.986 min Scan# 3058
Delta R.T. 0.026 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

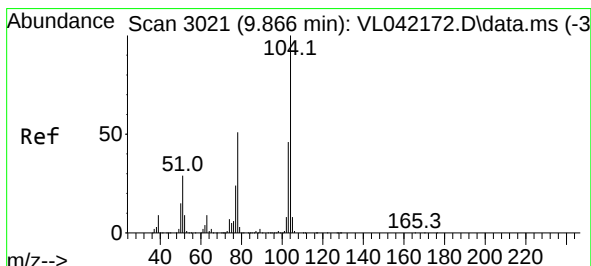
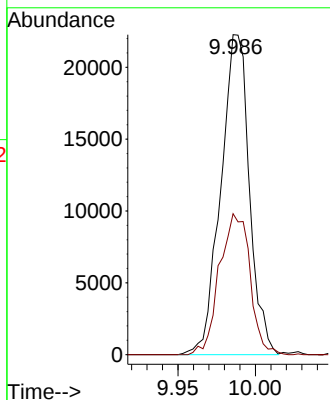
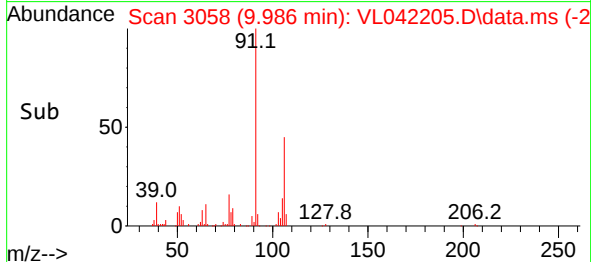
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DL



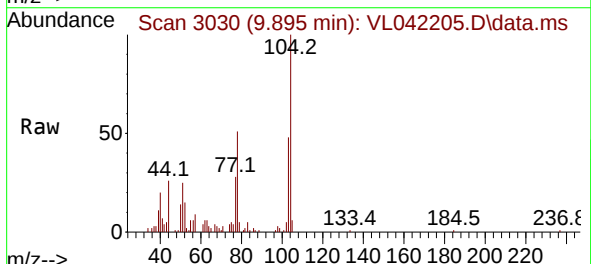
Tgt Ion: 91 Resp: 2863
Ion Ratio Lower Upper
91 100
106 47.0 20.8 62.5

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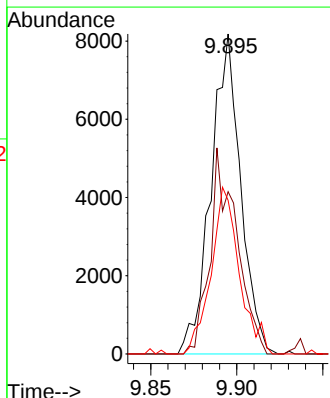
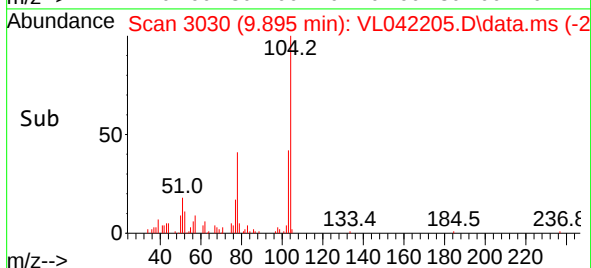
Reviewed By :Semsettin Yesilyurt 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

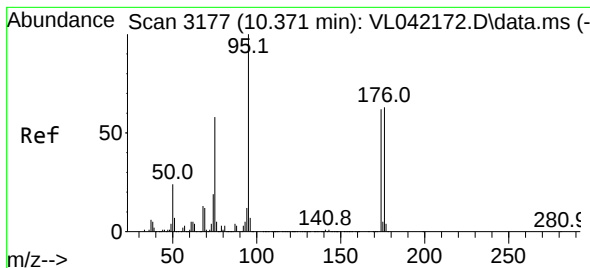


#61
Styrene
Concen: 0.291 ppbv
RT: 9.895 min Scan# 3030
Delta R.T. 0.029 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52



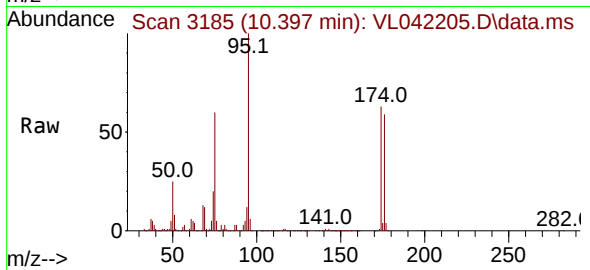
Tgt Ion:104 Resp: 9837
Ion Ratio Lower Upper
104 100
78 59.0 41.8 62.6
103 50.2 37.0 55.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.841 ppbv
RT: 10.397 min Scan# 3177
Delta R.T. 0.026 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52

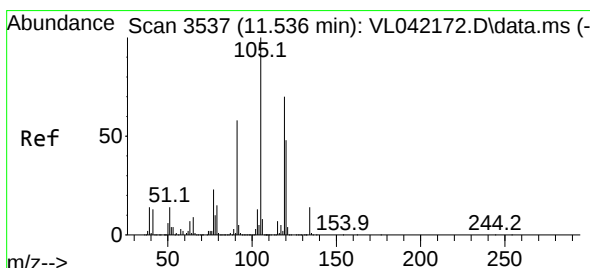
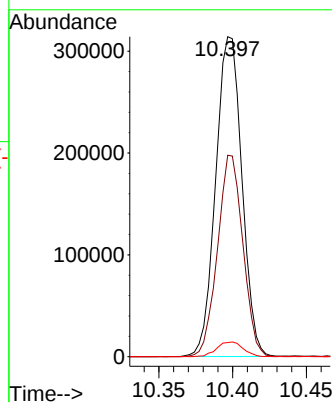
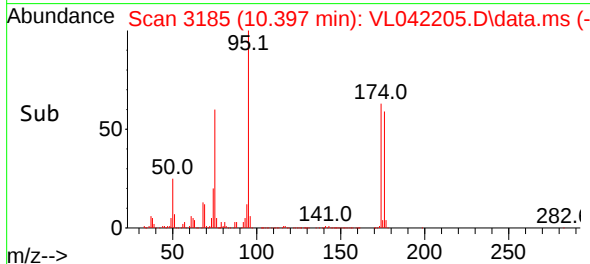
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DL



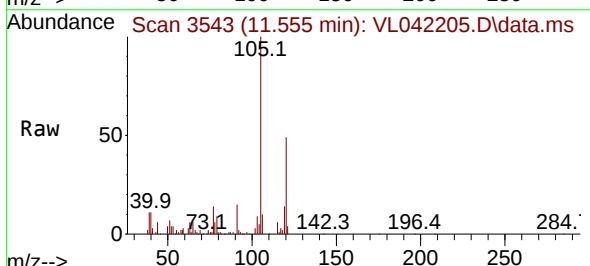
Tgt Ion: 95 Resp: 388692
Ion Ratio Lower Upper
95 100
174 61.0 50.6 76.0
175 4.7 3.8 5.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.285 ppbv
RT: 11.555 min Scan# 3543
Delta R.T. 0.019 min
Lab File: VL042205.D
Acq: 31 Mar 2025 11:52



Tgt Ion:105 Resp: 24393
Ion Ratio Lower Upper
105 100
120 49.2 38.6 58.0
91 14.3 46.2 69.2#
77 14.3 18.6 27.8#

