

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042098.D
 Acq On : 05 Mar 2025 11:37
 Operator : SY/MD
 Sample : Q1483-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/06/2025
 Supervised By :Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 01:05:12 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	164488	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	384682	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	315662	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	236783	9.750	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	10655	0.623	ppbv	96
3) Chlorodifluoromethane	1.482	51	125818m	5.263	ppbv	
4) Chloromethane	1.538	50	4062	0.642	ppbv	100
9) Propene	1.492	41	28869m	2.964	ppbv	
11) Trichlorofluoromethane	1.884	101	14547	0.849	ppbv	96
13) Ethanol	1.728	45	303330	490.628	ppbv	93
15) Acetone	1.845	43	161545	11.121	ppbv	97
19) Isopropyl Alcohol	1.897	45	70629	8.465	ppbv #	73
20) Methylene Chloride	2.072	84	3119	0.568	ppbv	93
26) Hexane	2.842	57	3079m	0.131	ppbv	
29) Chloroform	2.861	83	23443	0.741	ppbv	93
31) cis-1,2-Dichloroethene	2.738	61	3964m	0.178	ppbv	
34) 2-Butanone	2.576	43	9892m	0.330	ppbv	
35) Carbon Tetrachloride	3.784	117	2434m	0.092	ppbv	
36) Benzene	3.677	78	8514	0.211	ppbv #	89
38) Trichloroethene	4.573	130	3544m	0.216	ppbv	
52) Tetrachloroethene	8.247	164	104028	7.546	ppbv	97
53) Toluene	6.959	91	7710m	0.171	ppbv	
59) m/p-Xylene	9.558	91	4886m	0.106	ppbv	
76) 1,4-Dichlorobenzene	11.691	146	9825	0.310	ppbv	88

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

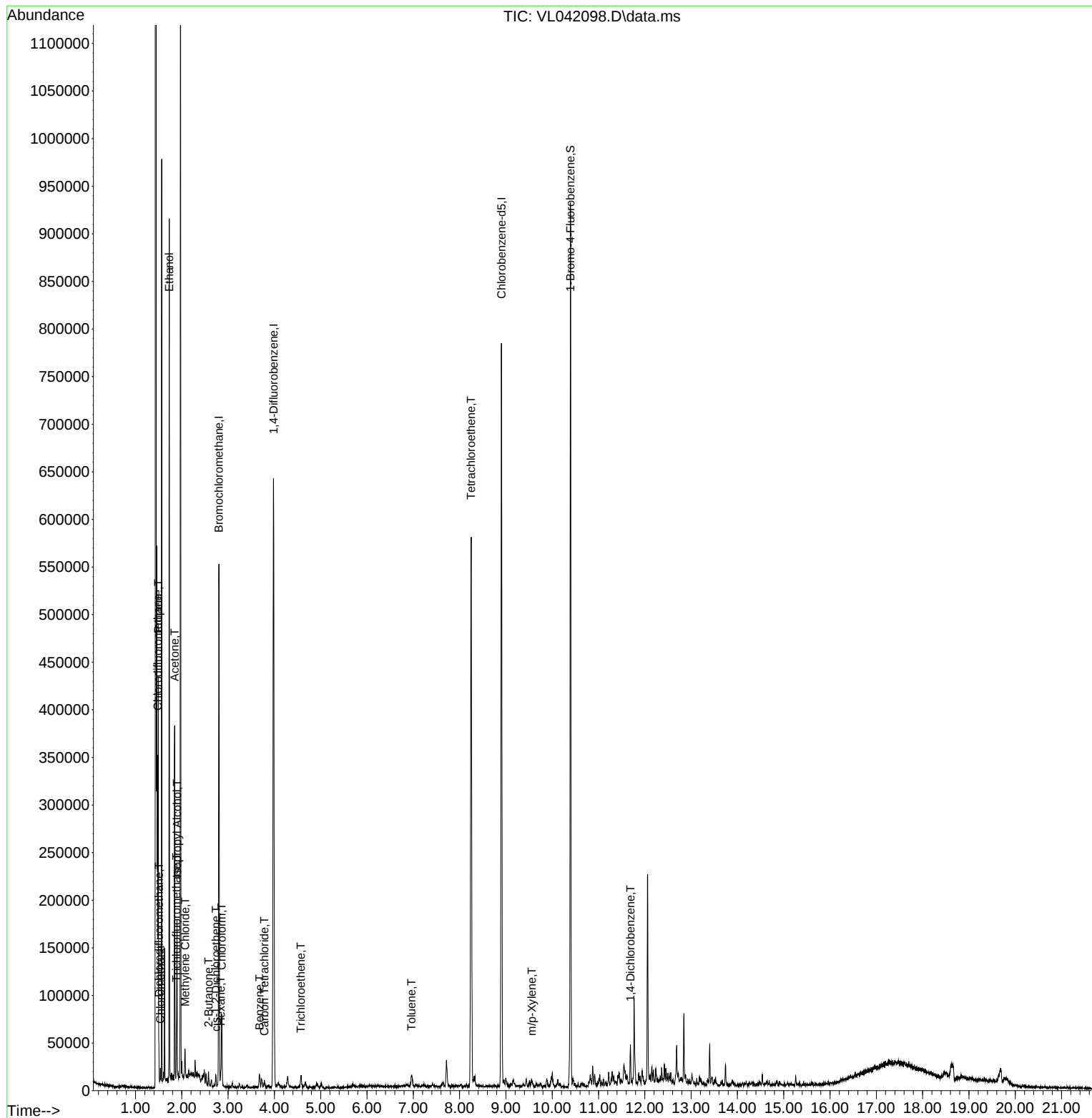
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
Data File : VL042098.D
Acq On : 05 Mar 2025 11:37
Operator : SY/MD
Sample : Q1483-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

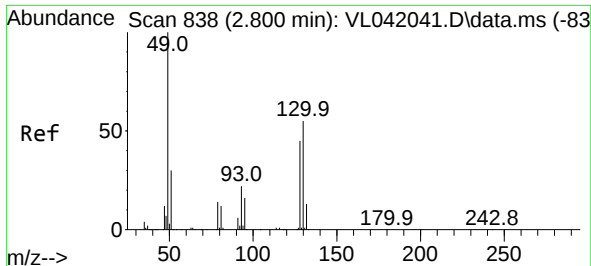
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Mar 06 01:05:12 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
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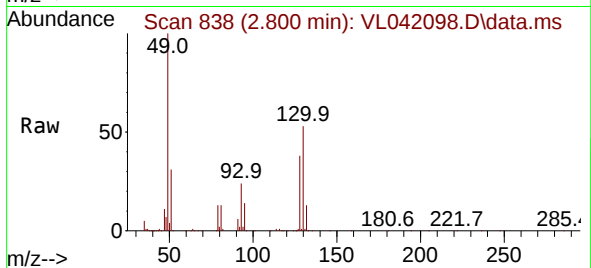
Reviewed By : Semsettin Yesilyurt 03/06/2025
Supervised By : Mahesh Dadoda 03/06/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

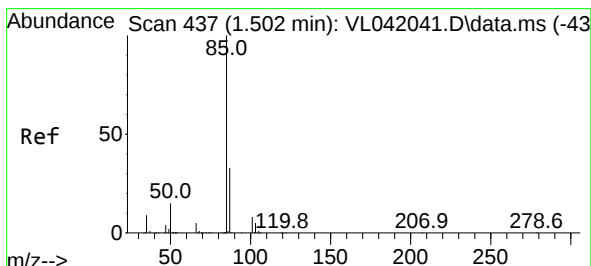
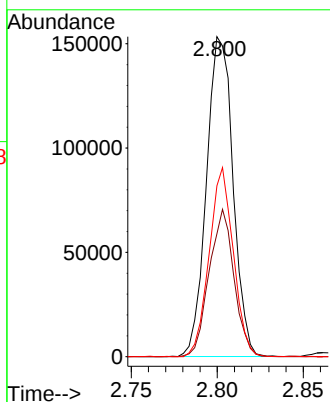
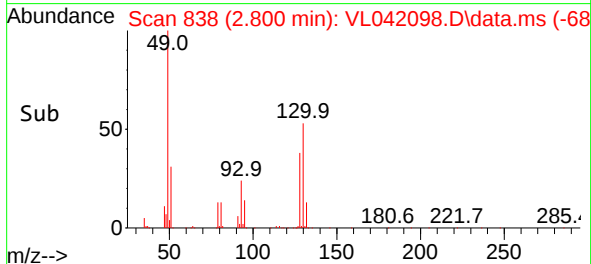
Instrument :
MSVOA_L
ClientSampleId :
IA1



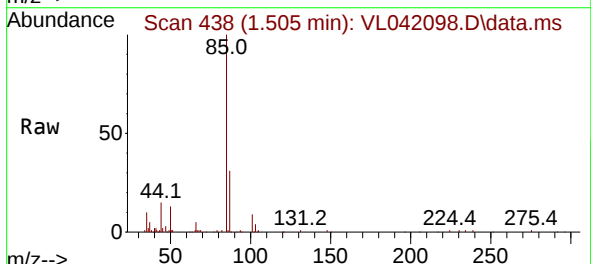
Tgt Ion: 49 Resp: 16448
Ion Ratio Lower Upper
49 100
128 43.1 21.6 64.8
130 53.9 27.8 83.4

Manual Integrations
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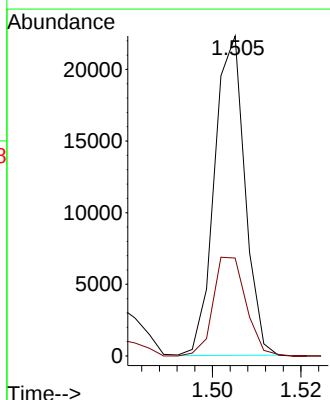
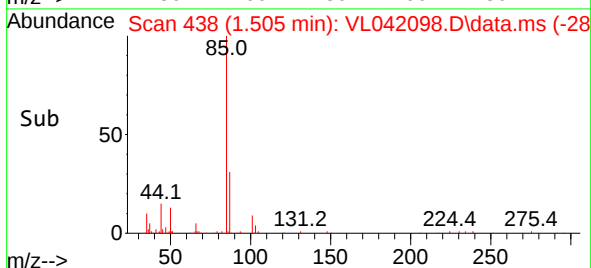
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

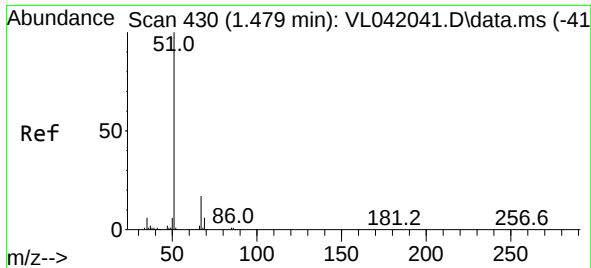


#2
Dichlorodifluoromethane
Concen: 0.623 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37



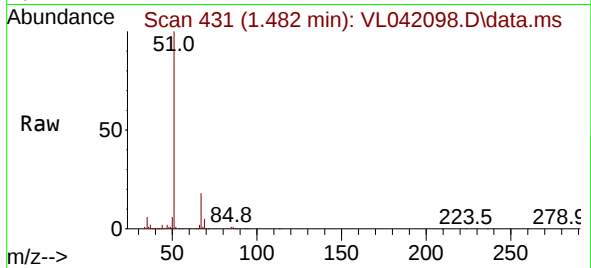
Tgt Ion: 85 Resp: 10655
Ion Ratio Lower Upper
85 100
87 30.7 26.4 39.6





#3
Chlorodifluoromethane
Concen: 5.263 ppbv m
RT: 1.482 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

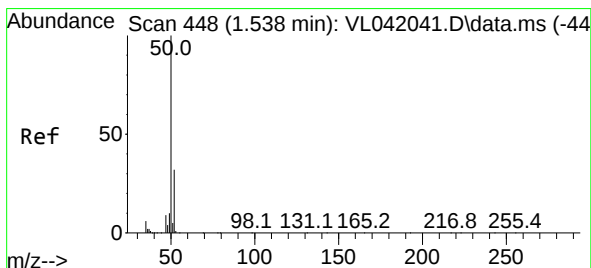
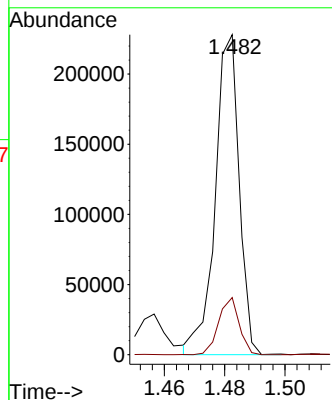
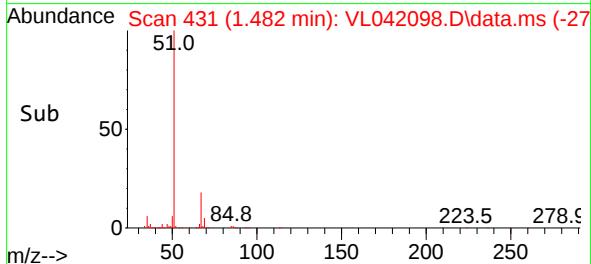
Instrument :
MSVOA_L
ClientSampleId :
IA1



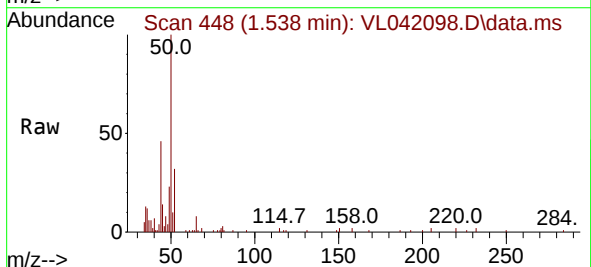
Tgt Ion: 51 Resp: 125818
Ion Ratio Lower Upper
51 100
67 15.7 13.7 20.5

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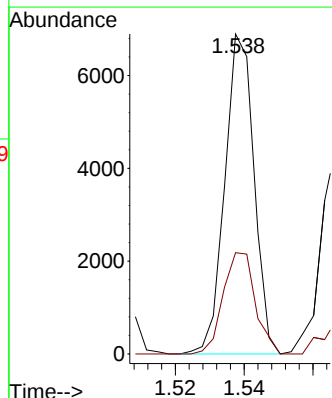
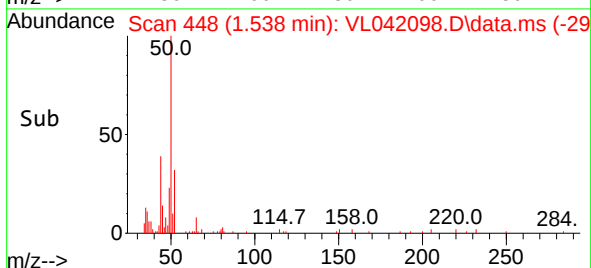
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

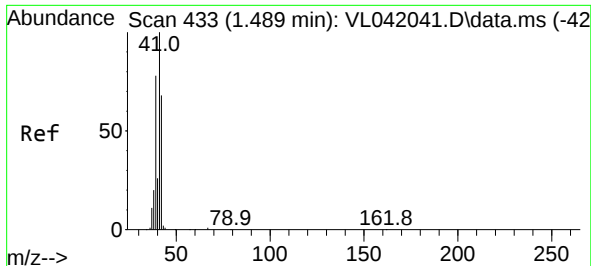


#4
Chloromethane
Concen: 0.642 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37



Tgt Ion: 50 Resp: 4062
Ion Ratio Lower Upper
50 100
52 31.6 25.4 38.0





#9

Propene

Concen: 2.964 ppbv m

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 2886

Ion Ratio Lower Upper

41 100

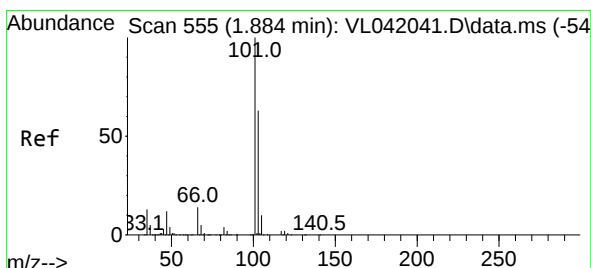
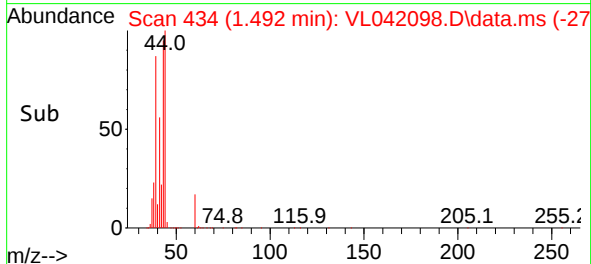
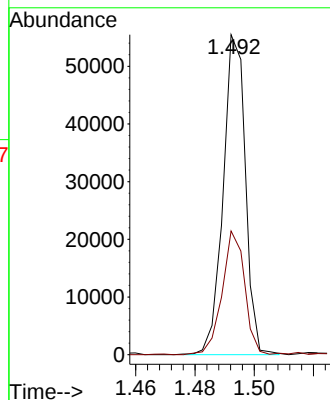
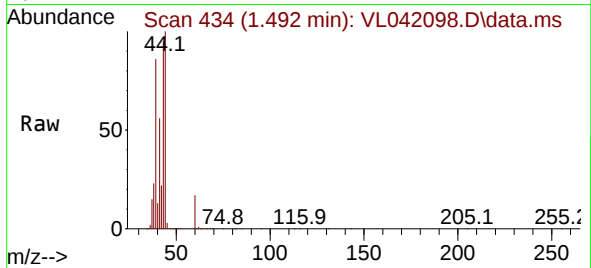
42 247.6 55.8 83.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#11

Trichlorofluoromethane

Concen: 0.849 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.000 min

Lab File: VL042098.D

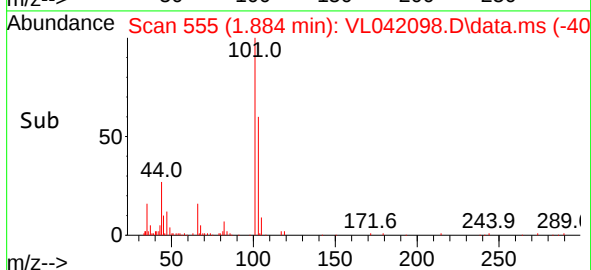
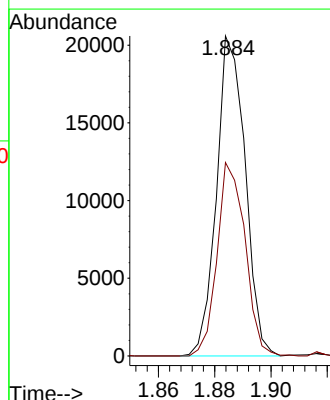
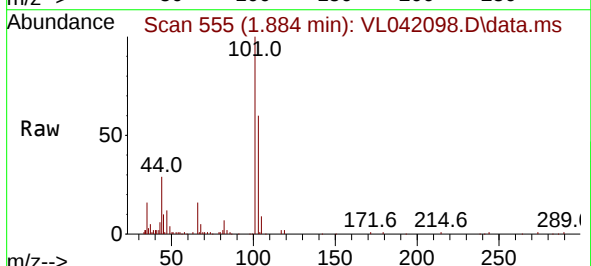
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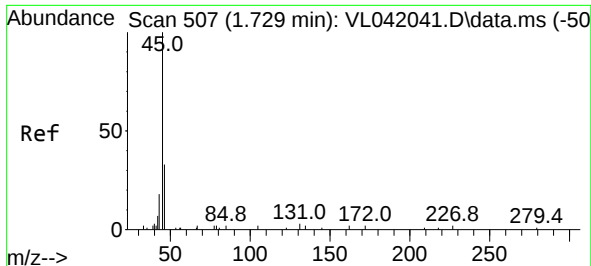
Tgt Ion:101 Resp: 14547

Ion Ratio Lower Upper

101 100

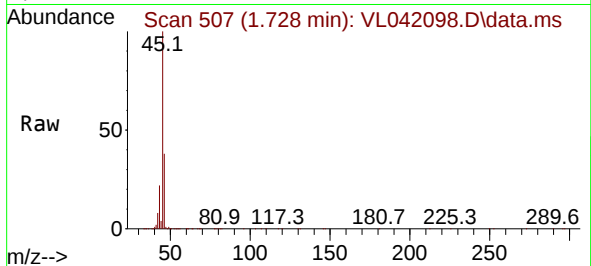
103 60.5 50.6 75.8





#13
Ethanol
Concen: 490.628 ppbv
RT: 1.728 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

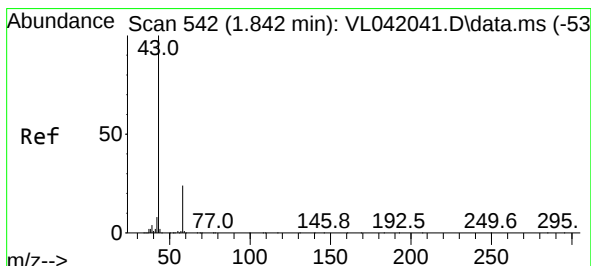
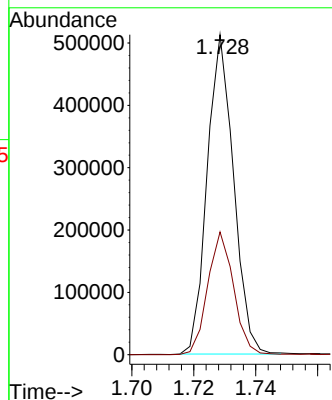
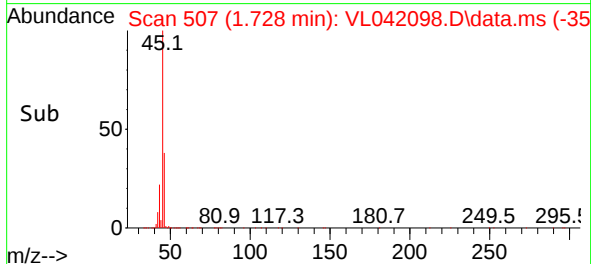
Instrument :
MSVOA_L
ClientSampleId :
IA1



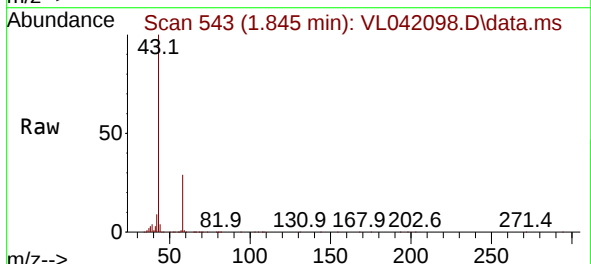
Tgt Ion: 45 Resp: 303330
Ion Ratio Lower Upper
45 100
46 38.0 17.1 68.3

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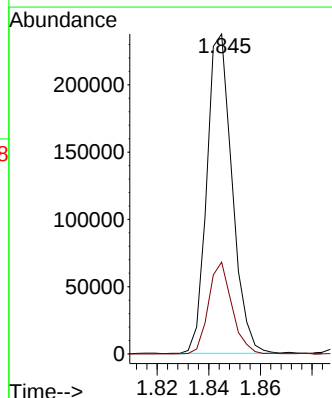
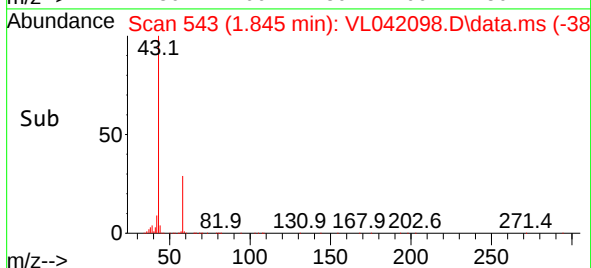
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

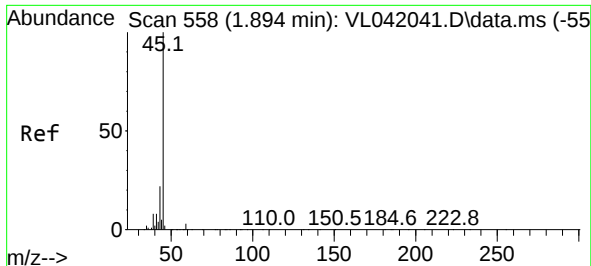


#15
Acetone
Concen: 11.121 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37



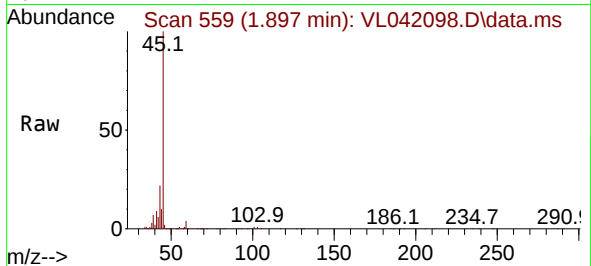
Tgt Ion: 43 Resp: 161545
Ion Ratio Lower Upper
43 100
58 27.4 20.7 31.1





#19
Isopropyl Alcohol
Concen: 8.465 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

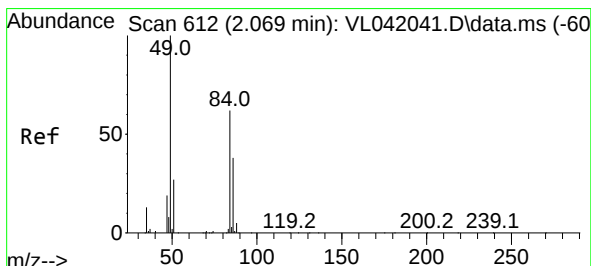
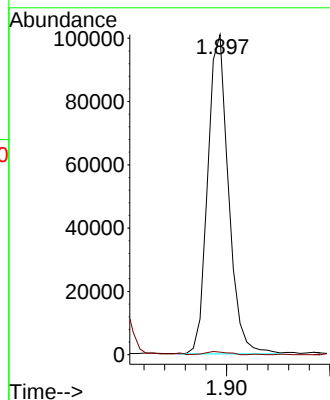
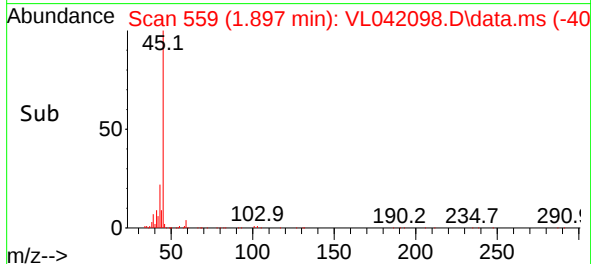
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 70629
Ion Ratio Lower Upper
45 100
58 61.4 35.3 52.9

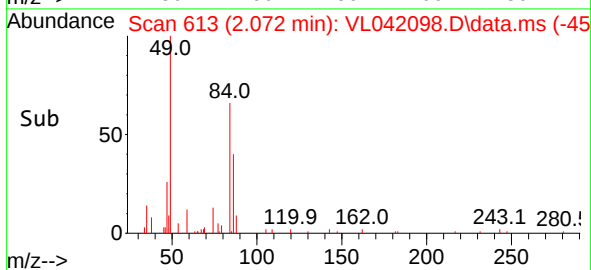
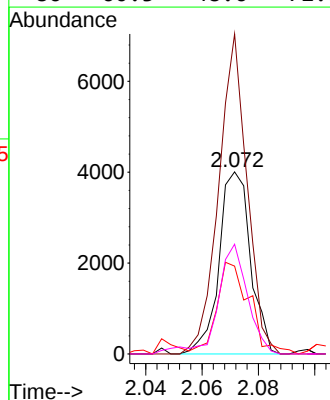
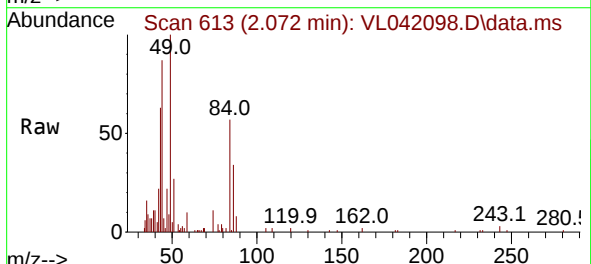
Manual Integrations
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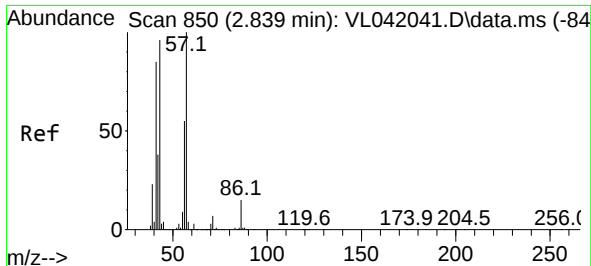
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#20
Methylene Chloride
Concen: 0.568 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

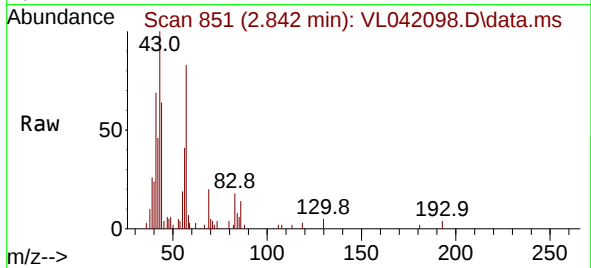
Tgt Ion: 84 Resp: 3119
Ion Ratio Lower Upper
84 100
49 175.8 130.0 195.0
51 45.2 37.4 56.0
86 60.3 48.6 72.8





#26
Hexane
Concen: 0.131 ppbv m
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

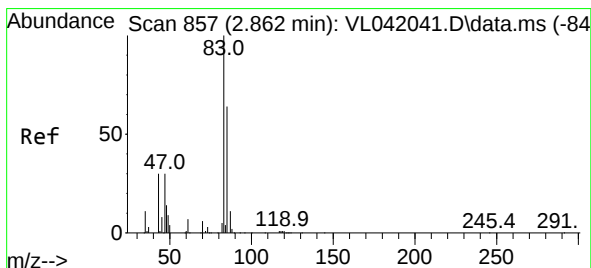
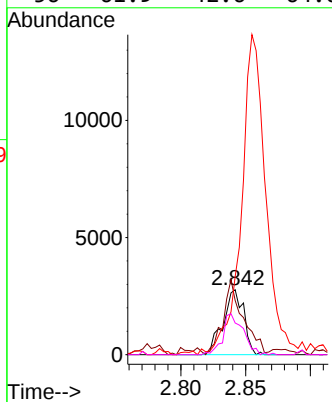
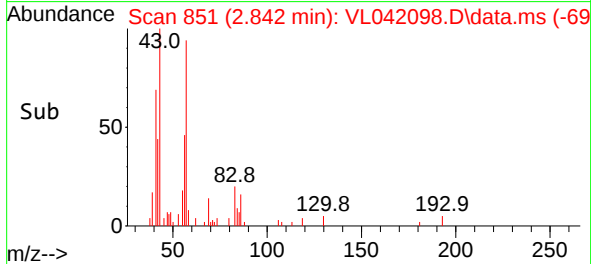
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 3079
Ion Ratio Lower Upper
57 100
41 126.9 70.6 106.0
43 598.8 199.4 299.0
56 61.9 42.6 64.0

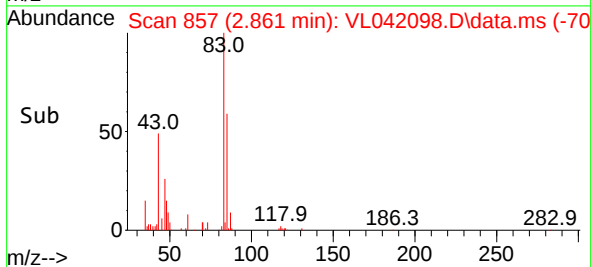
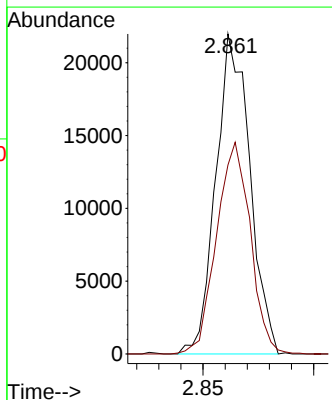
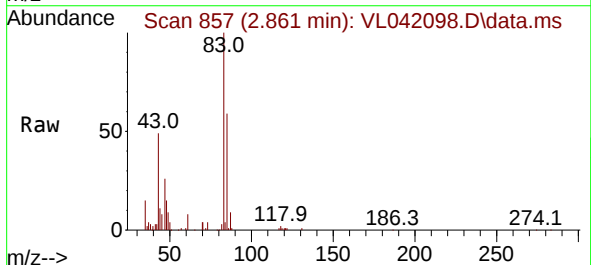
Manual Integrations
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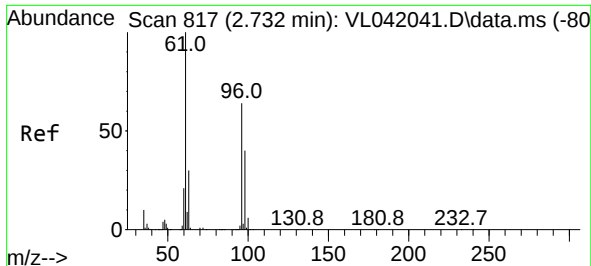
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#29
Chloroform
Concen: 0.741 ppbv
RT: 2.861 min Scan# 857
Delta R.T. -0.000 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion: 83 Resp: 23443
Ion Ratio Lower Upper
83 100
85 58.7 51.2 76.8





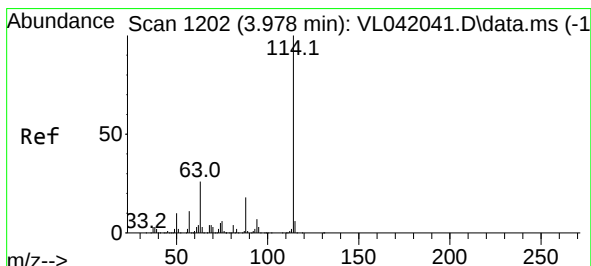
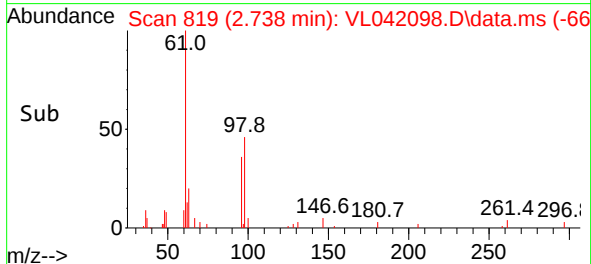
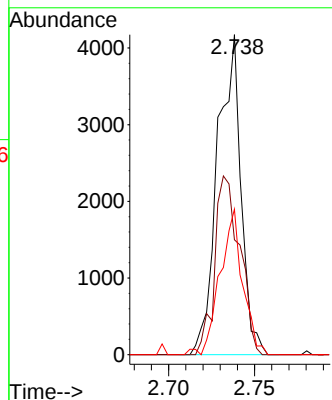
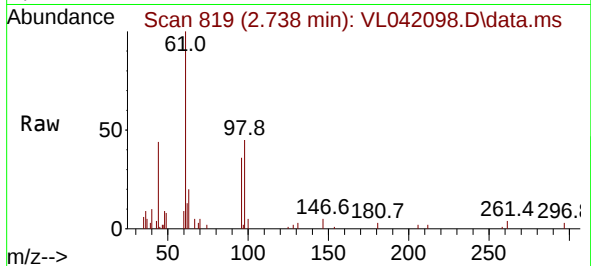
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 cis-1,2-Dichloroethene
 Concen: 0.178 ppbv m
 RT: 2.738 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL042098.D
 Acq: 05 Mar 2025 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Tgt Ion: 61 Resp: 3964
 Ion Ratio Lower Upper
 61 100
 96 35.9 51.5 77.3
 98 45.5 32.0 48.0

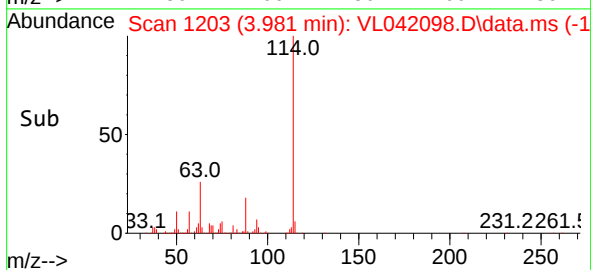
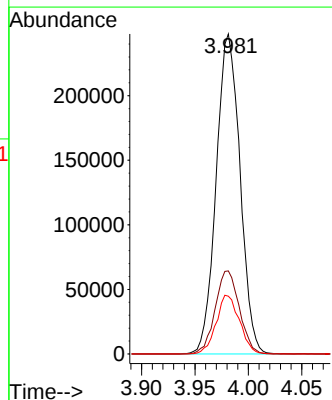
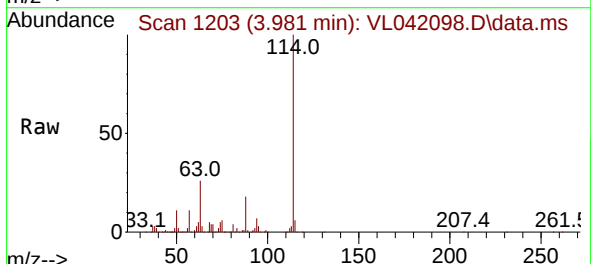
Manual Integrations
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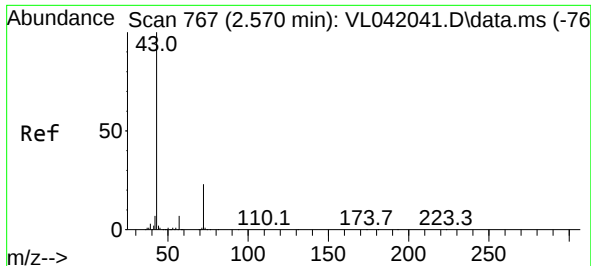
Reviewed By :Semsettin Yesilyurt 03/06/2025
 Supervised By :Mahesh Dadoda 03/06/2025



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.981 min Scan# 1203
 Delta R.T. 0.003 min
 Lab File: VL042098.D
 Acq: 05 Mar 2025 11:37

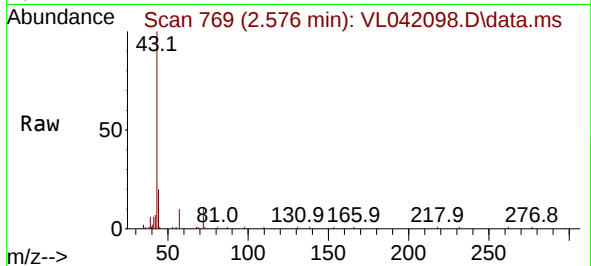
Tgt Ion:114 Resp: 384682
 Ion Ratio Lower Upper
 114 100
 63 26.4 20.1 30.1
 88 17.9 14.3 21.5





#34
2-Butanone
Concen: 0.330 ppbv m
RT: 2.576 min Scan# 769
Delta R.T. 0.006 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

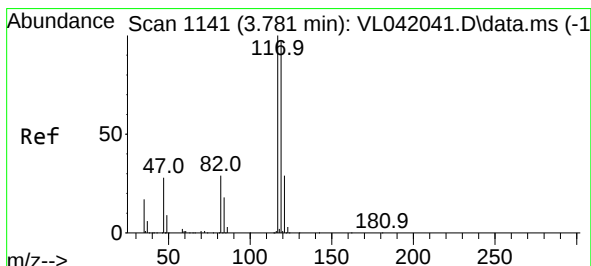
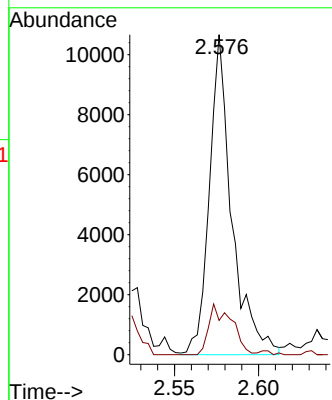
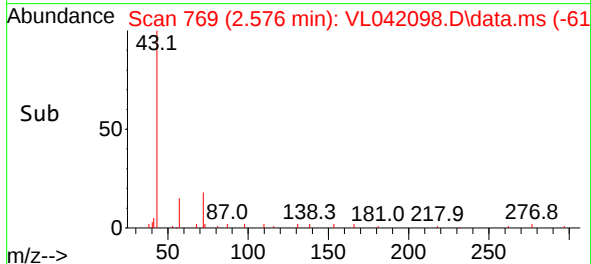
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
72 16.9 18.5 27.7

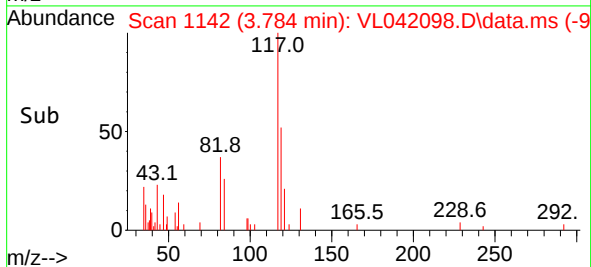
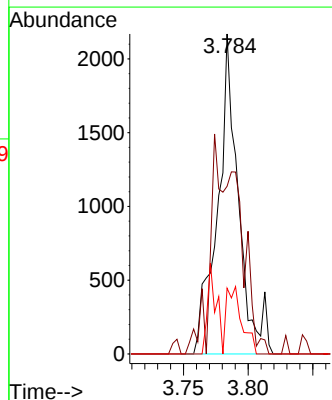
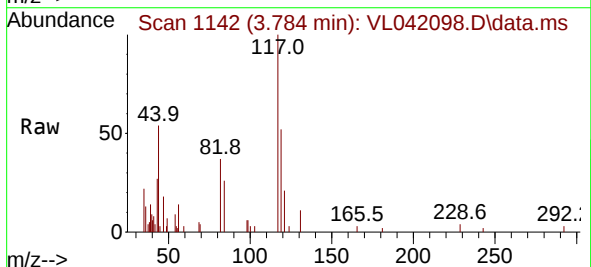
Manual Integrations
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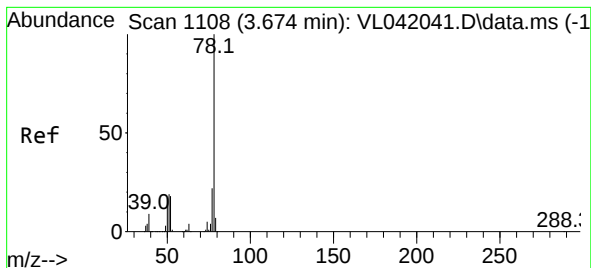
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#35
Carbon Tetrachloride
Concen: 0.092 ppbv m
RT: 3.784 min Scan# 1142
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion:117 Resp: 2434
Ion Ratio Lower Upper
117 100
119 52.4 77.8 116.8#
121 20.6 23.4 35.0#





#36

Benzene

Concen: 0.211 ppbv

RT: 3.677 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

IA1

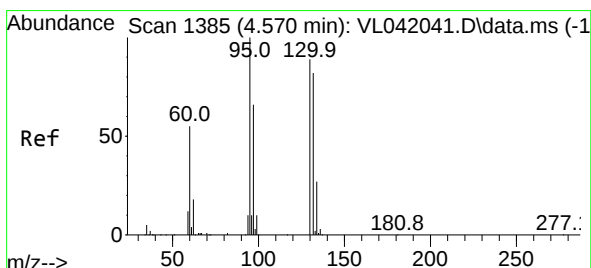
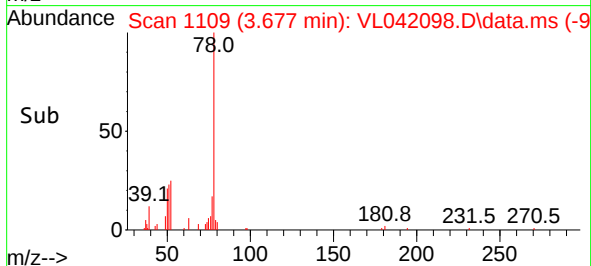
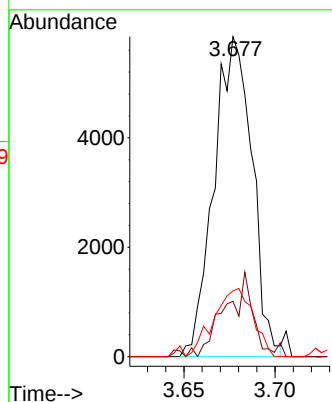
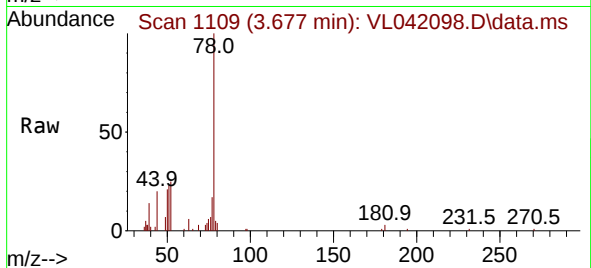
Tgt Ion: 78 Resp: 8514

Ion	Ratio	Lower	Upper
78	100		
77	15.5	17.7	26.5
50	20.6	13.9	20.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#38

Trichloroethene

Concen: 0.216 ppbv m

RT: 4.573 min Scan# 1386

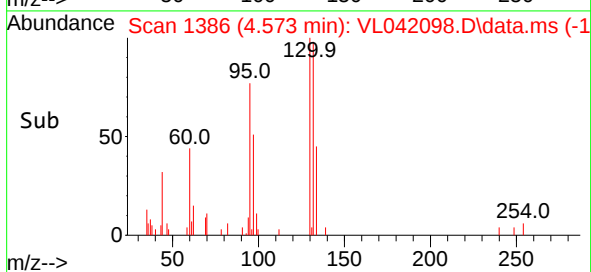
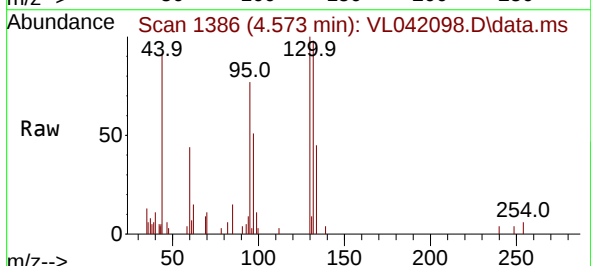
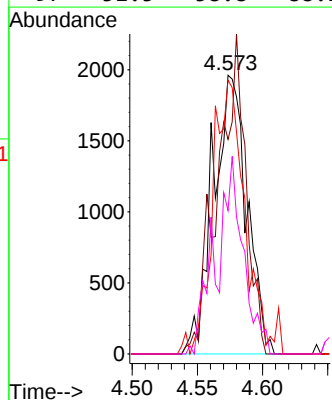
Delta R.T. 0.003 min

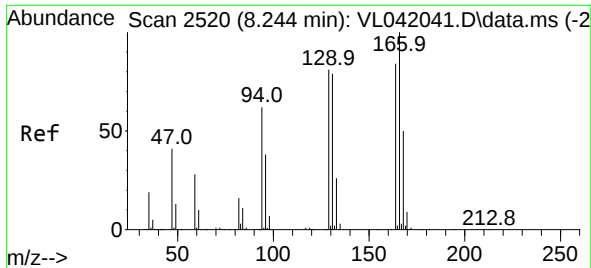
Lab File: VL042098.D

Acq: 05 Mar 2025 11:37

Tgt Ion:130 Resp: 3544

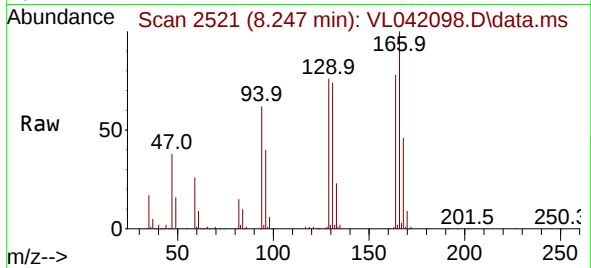
Ion	Ratio	Lower	Upper
130	100		
95	77.0	89.5	134.3
132	98.2	73.8	110.6
97	51.5	58.8	88.2





#52
Tetrachloroethene
Concen: 7.546 ppbv
RT: 8.247 min Scan# 2121
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

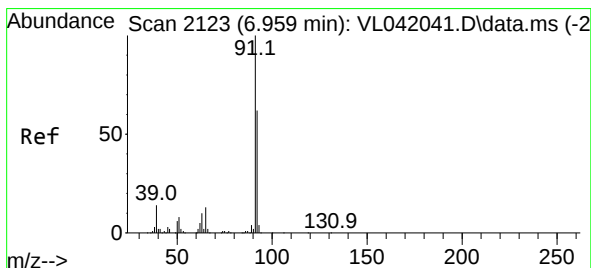
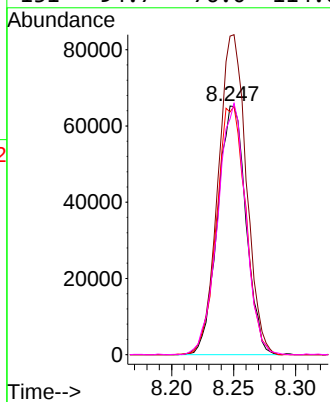
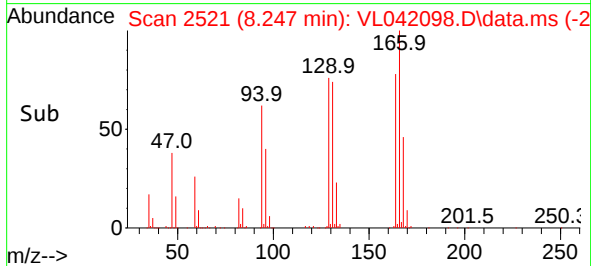
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:164 Resp: 104028
Ion Ratio Lower Upper
164 100
166 128.1 95.7 143.5
129 97.6 77.1 115.7
131 94.7 76.0 114.0

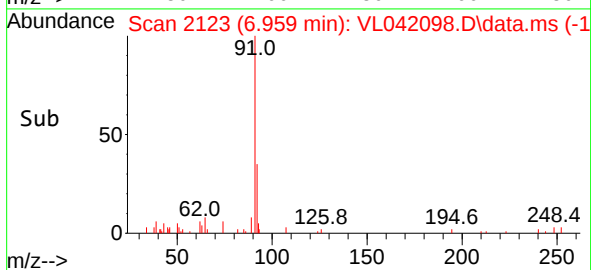
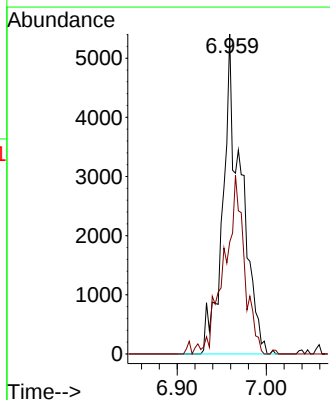
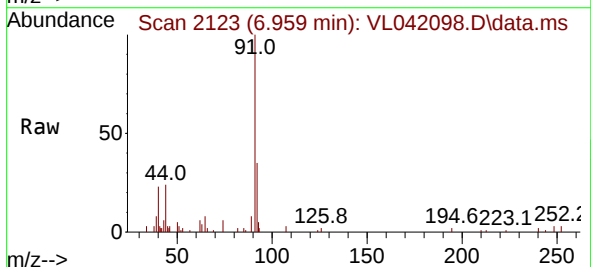
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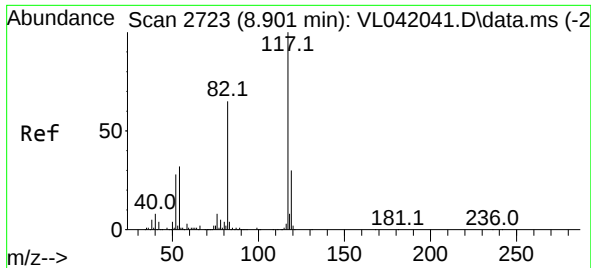
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#53
Toluene
Concen: 0.171 ppbv m
RT: 6.959 min Scan# 2123
Delta R.T. -0.000 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Tgt Ion: 91 Resp: 7710
Ion Ratio Lower Upper
91 100
92 63.1 49.0 73.6





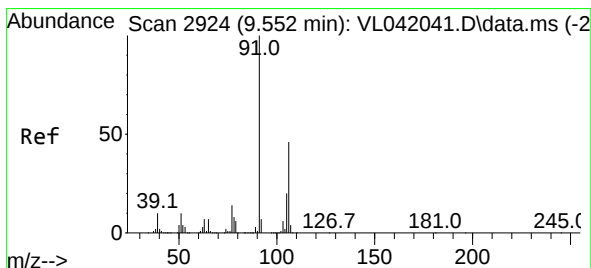
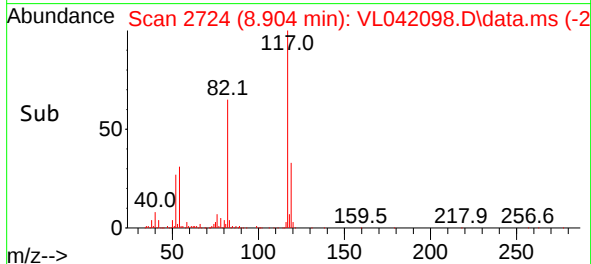
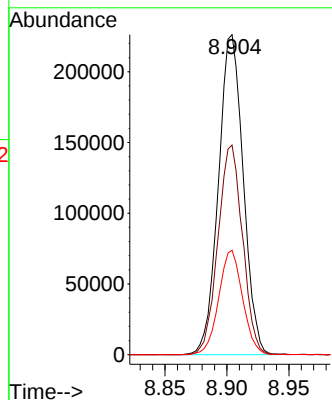
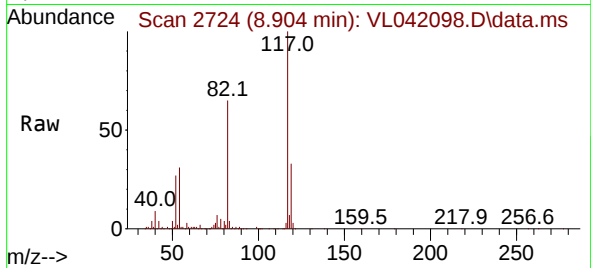
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:117 Resp: 31566
Ion Ratio Lower Upper
117 100
82 64.9 55.0 82.6
119 31.5 25.9 38.9

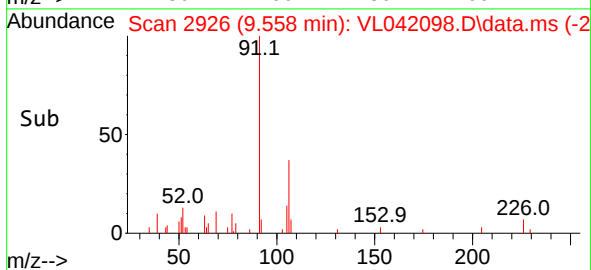
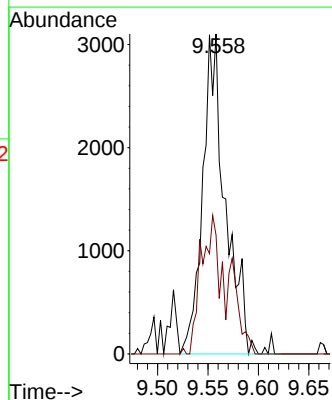
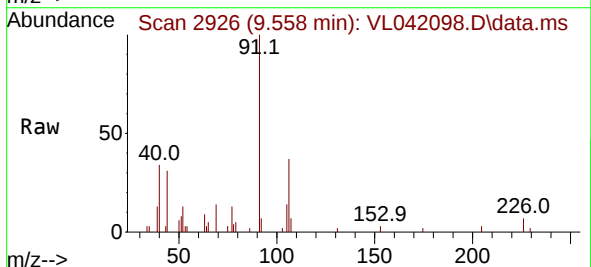
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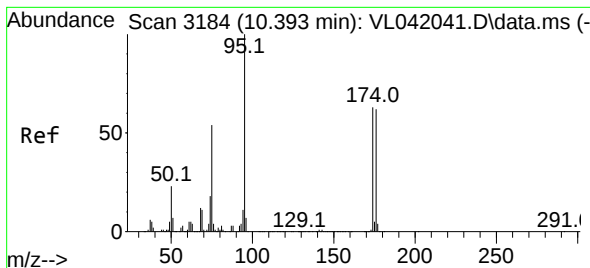
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#59
m/p-Xylene
Concen: 0.106 ppbv m
RT: 9.558 min Scan# 2926
Delta R.T. 0.006 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

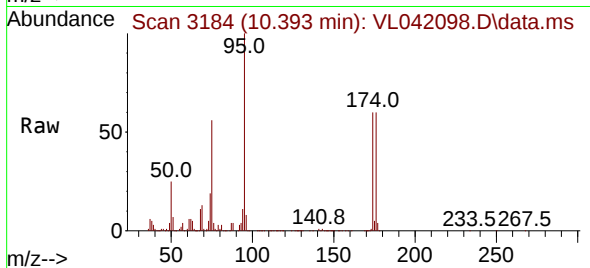
Tgt Ion: 91 Resp: 4886
Ion Ratio Lower Upper
91 100
106 49.7 0.0 0.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.750 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37

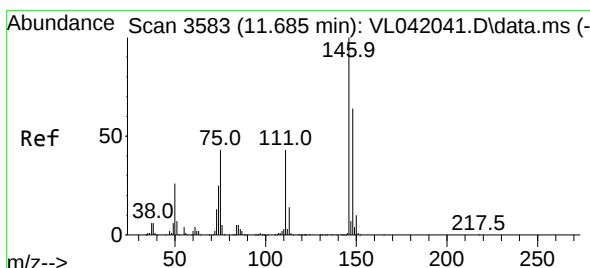
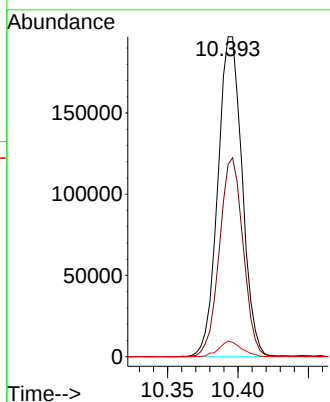
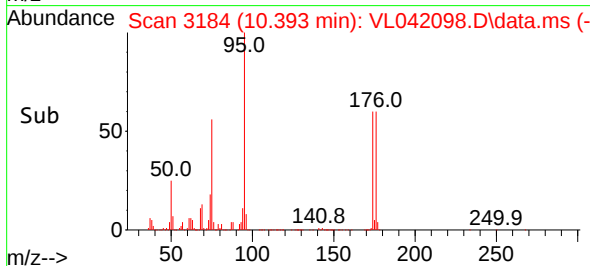
Instrument :
MSVOA_L
ClientSampleId :
IA1



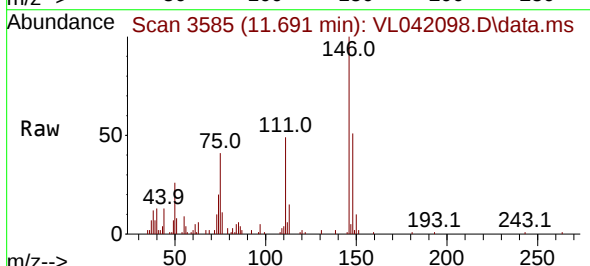
Tgt Ion: 95 Resp: 23678
Ion Ratio Lower Upper
95 100
174 60.7 51.8 77.6
175 4.6 3.9 5.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#76
1,4-Dichlorobenzene
Concen: 0.310 ppbv
RT: 11.691 min Scan# 3585
Delta R.T. 0.006 min
Lab File: VL042098.D
Acq: 05 Mar 2025 11:37



Tgt Ion:146 Resp: 9825
Ion Ratio Lower Upper
146 100
111 56.9 21.5 64.5
148 58.5 31.6 95.0

