

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
 Data File : VL042870.D
 Acq On : 21 Aug 2025 17:52
 Operator : SY/MD
 Sample : Q2887-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 22 01:25:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 22 01:25:33 2025
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	128750	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	376942	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	322820	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	246799	10.194	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.502	85	9142	0.484	ppbv	97
4) Chloromethane	1.538	50	3989	0.524	ppbv #	85
9) Propene	1.492	41	6487m	0.720	ppbv	
10) Heptane	5.001	43	4870m	0.202	ppbv	
11) Trichlorofluoromethane	1.884	101	4862	0.261	ppbv	84
13) Ethanol	1.729	45	1267716	1539.235	ppbv	95
15) Acetone	1.842	43	177192	10.404	ppbv	96
19) Isopropyl Alcohol	1.894	45	365149	35.896	ppbv #	36
20) Methylene Chloride	2.068	84	117619	16.486	ppbv	92
26) Hexane	2.836	57	221073	11.619	ppbv #	46
34) 2-Butanone	2.570	43	10108	0.397	ppbv	96
35) Carbon Tetrachloride	3.774	117	1994m	0.077	ppbv	
36) Benzene	3.674	78	7833	0.217	ppbv #	93
44) 2,2,4-Trimethylpentane	4.661	57	11253m	0.184	ppbv	
52) Tetrachloroethene	8.250	164	582m	0.045	ppbv	
53) Toluene	6.953	91	19807m	0.462	ppbv	
59) m/p-Xylene	9.545	91	10129m	0.227	ppbv	
74) 1,2,4-Trimethylbenzene	11.545	105	9599	0.189	ppbv #	62
79) Naphthalene	13.526	128	2129	0.046	ppbv #	76

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

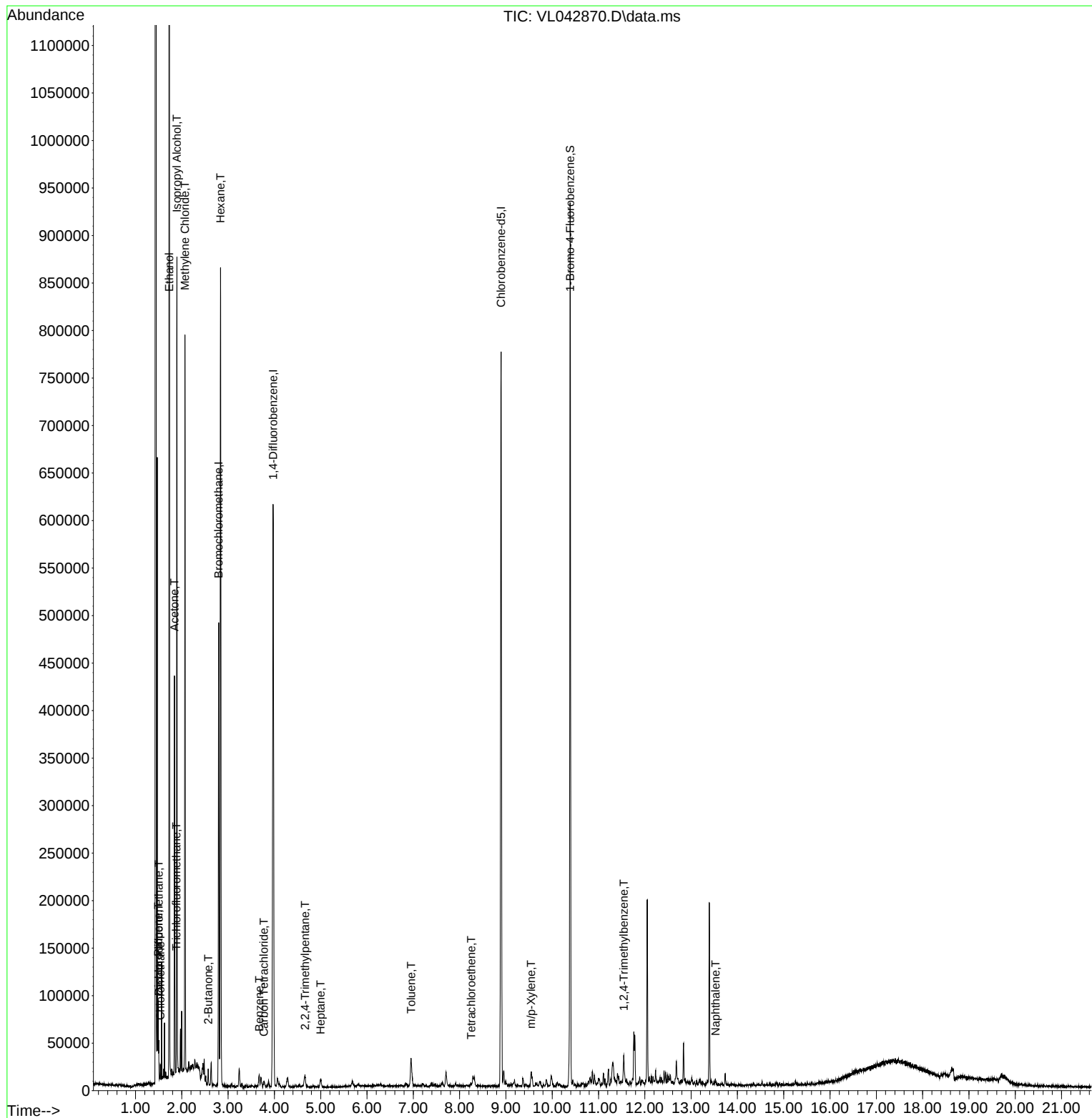
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
Data File : VL042870.D
Acq On : 21 Aug 2025 17:52
Operator : SY/MD
Sample : Q2887-03DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

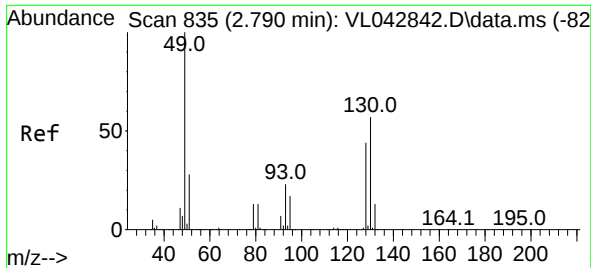
Instrument :
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ClientSampleId :
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Quant Time: Aug 22 01:25:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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Response via : Initial Calibration

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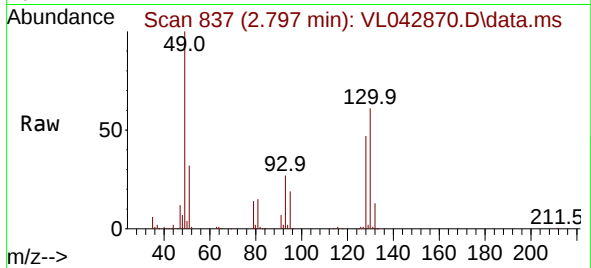
Reviewed By : Mahesh Dadoda 08/25/2025
Supervised By : Semsettin Yesilyurt 08/25/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 835
Delta R.T. 0.007 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

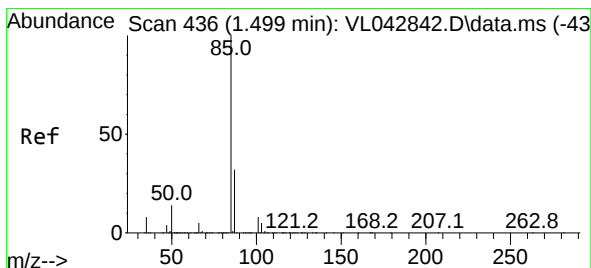
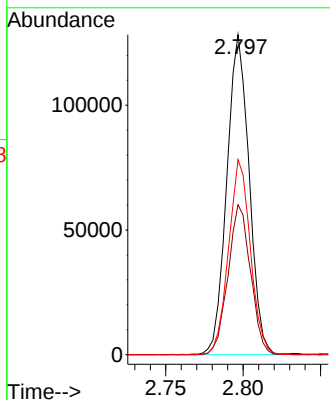
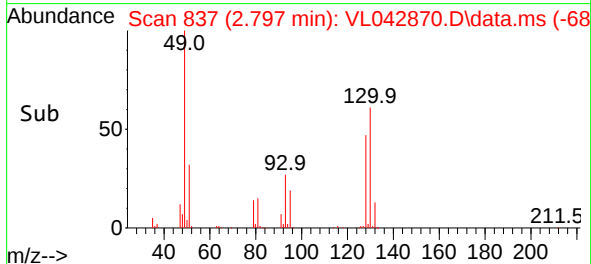
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



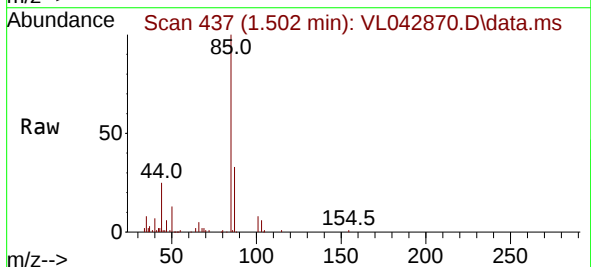
Tgt Ion: 49 Resp: 128750
Ion Ratio Lower Upper
49 100
128 47.2 23.7 71.1
130 59.6 30.6 91.6

Manual Integrations
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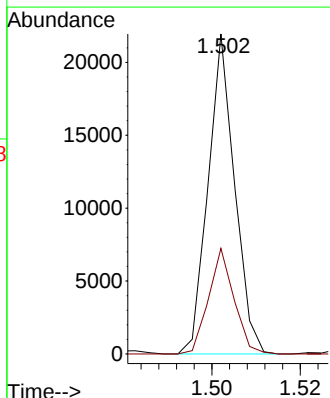
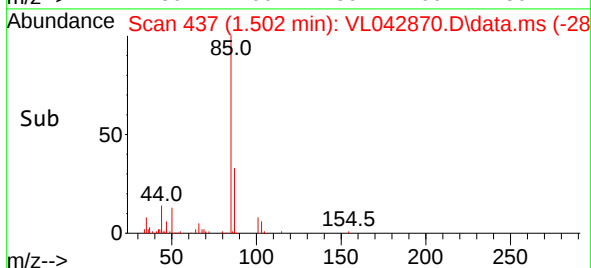
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

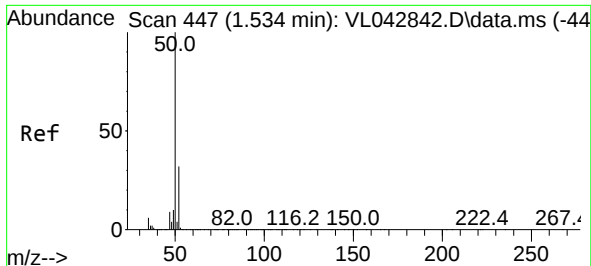


#2
Dichlorodifluoromethane
Concen: 0.484 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52



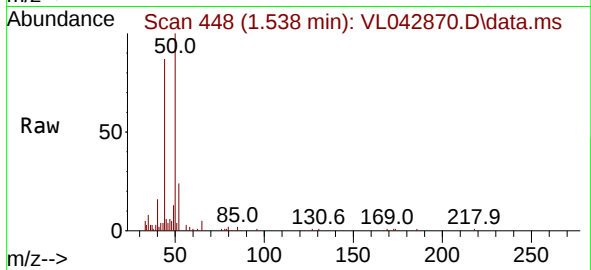
Tgt Ion: 85 Resp: 9142
Ion Ratio Lower Upper
85 100
87 33.0 25.3 37.9





#4
Chloromethane
Concen: 0.524 ppbv
RT: 1.538 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

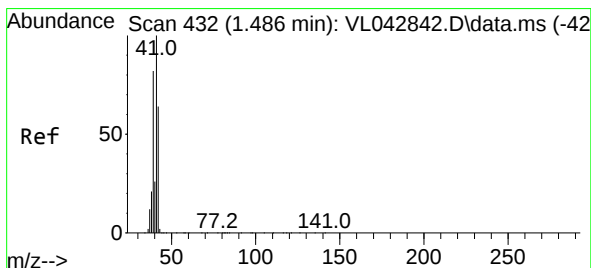
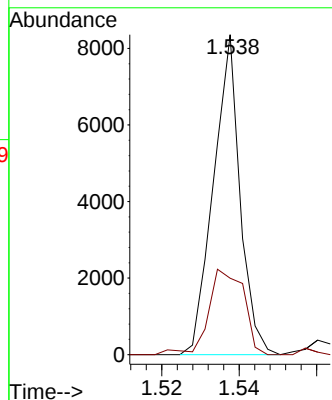
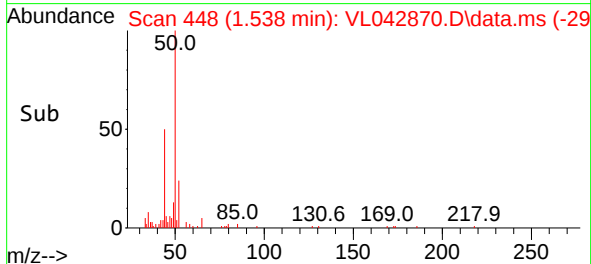
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Tgt Ion: 50 Resp: 3989
Ion Ratio Lower Upper
50 100
52 23.9 25.9 38.9

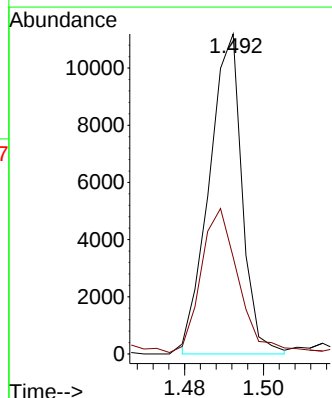
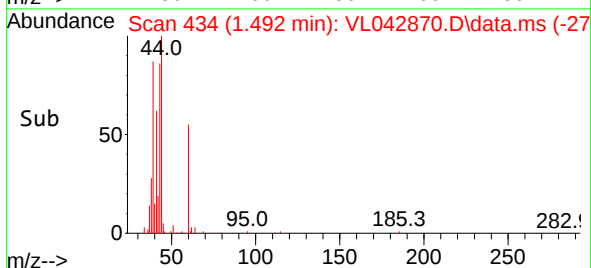
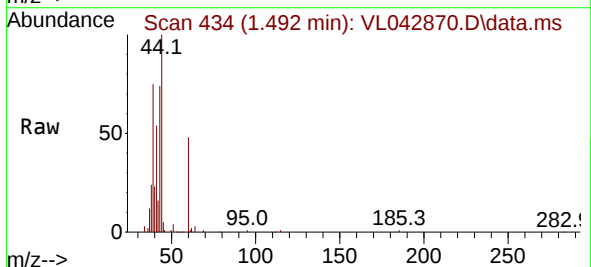
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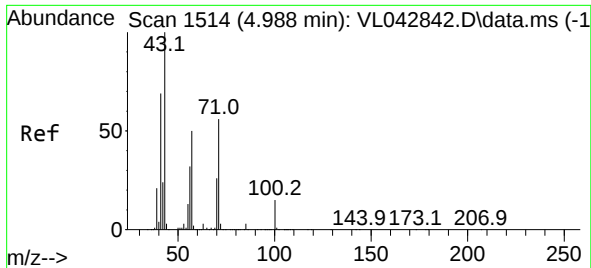
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#9
Propene
Concen: 0.720 ppbv m
RT: 1.492 min Scan# 434
Delta R.T. 0.006 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

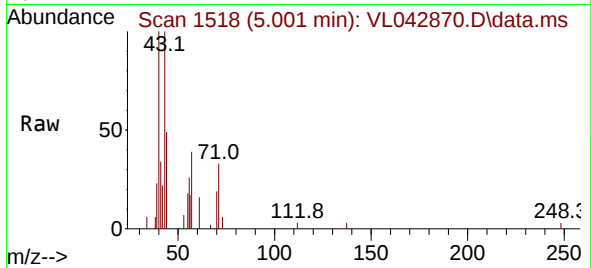
Tgt Ion: 41 Resp: 6487
Ion Ratio Lower Upper
41 100
42 284.6 53.0 79.4





#10
Heptane
Concen: 0.202 ppbv m
RT: 5.001 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

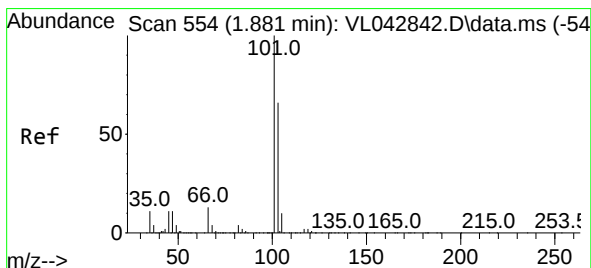
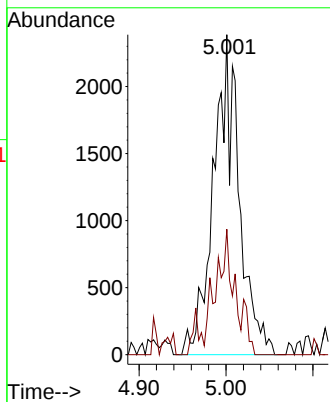
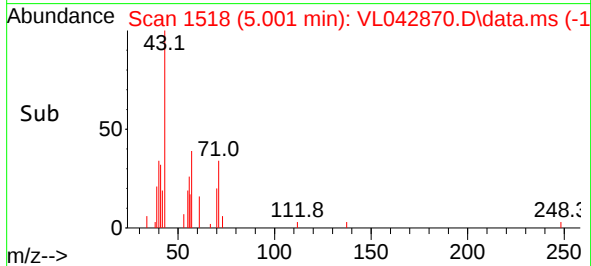
Instrument :
MSVOA_L
ClientSampleId :
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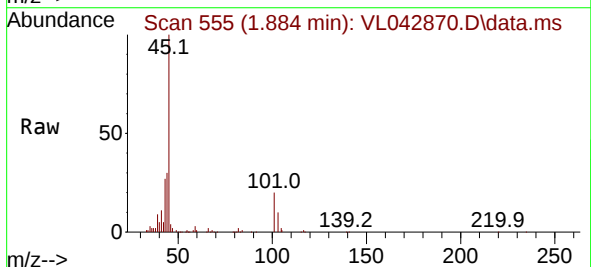
Tgt Ion: 43 Resp: 4870
Ion Ratio Lower Upper
43 100
57 33.8 41.4 62.0

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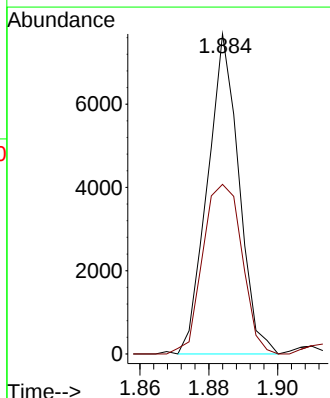
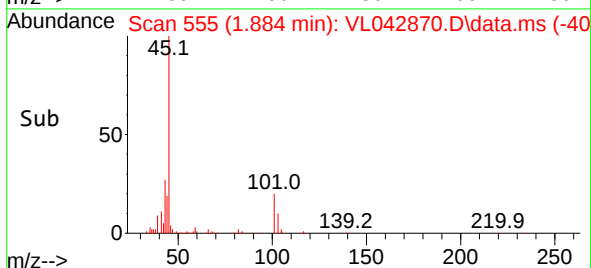
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

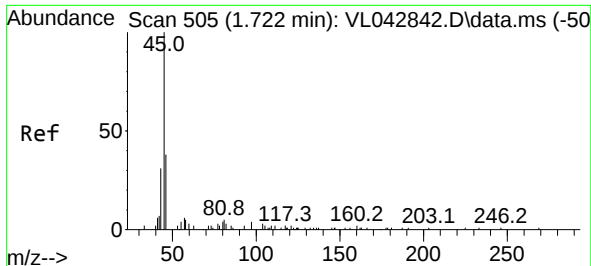


#11
Trichlorofluoromethane
Concen: 0.261 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52



Tgt Ion:101 Resp: 4862
Ion Ratio Lower Upper
101 100
103 53.0 52.5 78.7





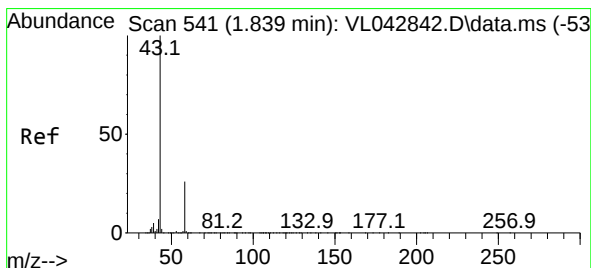
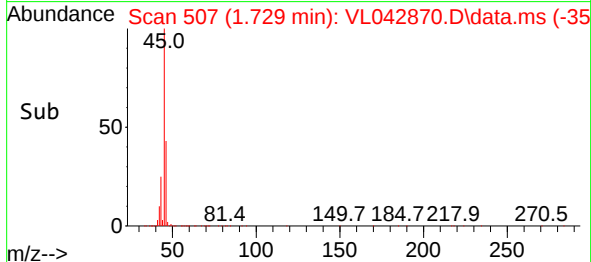
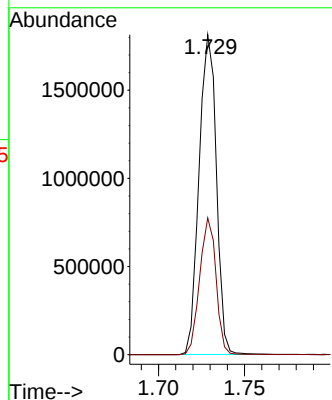
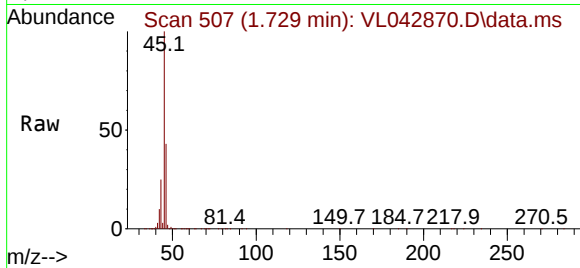
#13
Ethanol
Concen: 1539.235 ppbv
RT: 1.729 min Scan# 505
Delta R.T. 0.006 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 45 Resp: 1267710
Ion Ratio Lower Upper
45 100
46 40.5 17.5 69.9

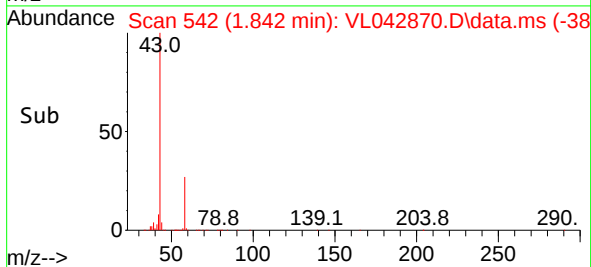
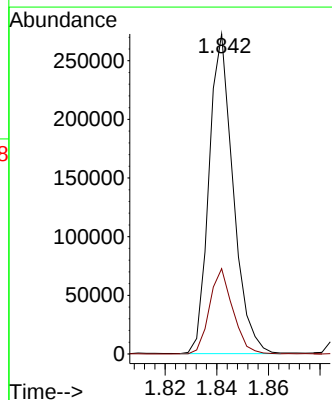
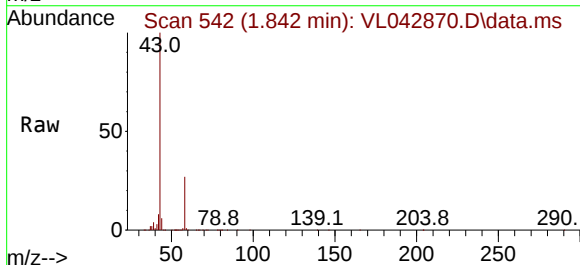
Manual Integrations
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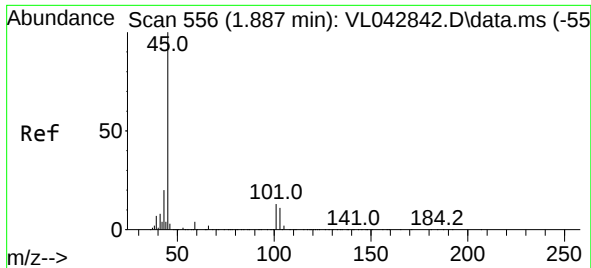
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#15
Acetone
Concen: 10.404 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.003 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

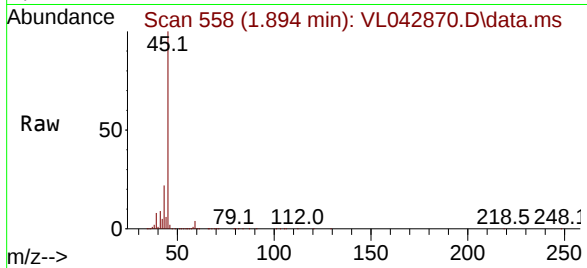
Tgt Ion: 43 Resp: 177192
Ion Ratio Lower Upper
43 100
58 25.8 22.4 33.6





#19
Isopropyl Alcohol
Concen: 35.896 ppbv
RT: 1.894 min Scan# 556
Delta R.T. 0.006 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

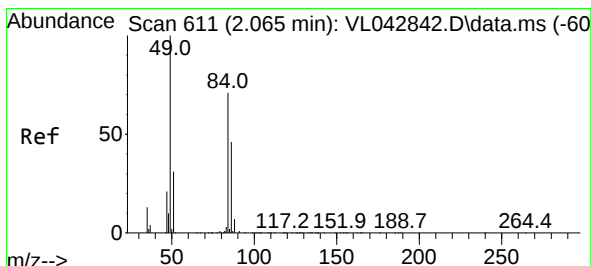
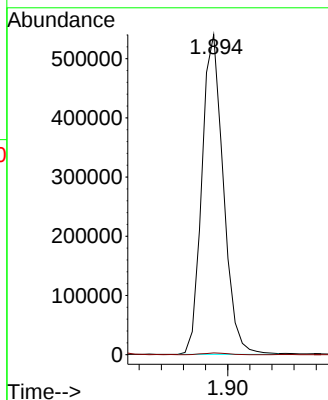
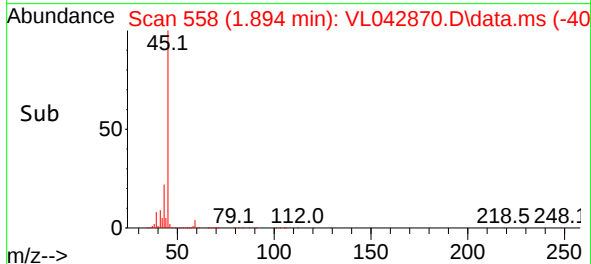
Instrument :
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ClientSampleId :
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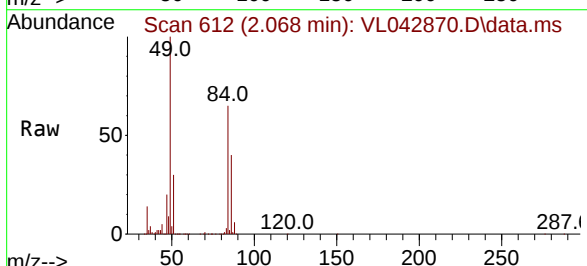
Tgt Ion: 45 Resp: 365149
Ion Ratio Lower Upper
45 100
58 0.7 32.7 49.1

Manual Integrations
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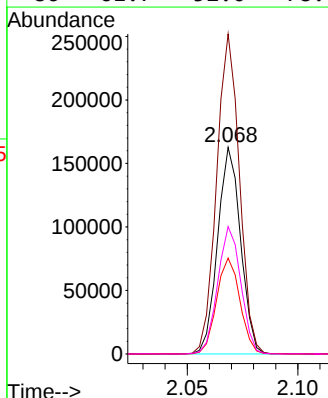
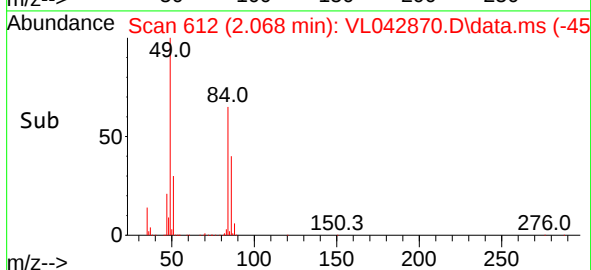
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Supervised By :Semsettin Yesilyurt 08/25/2025

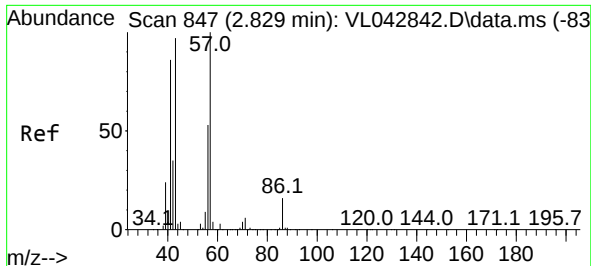


#20
Methylene Chloride
Concen: 16.486 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52



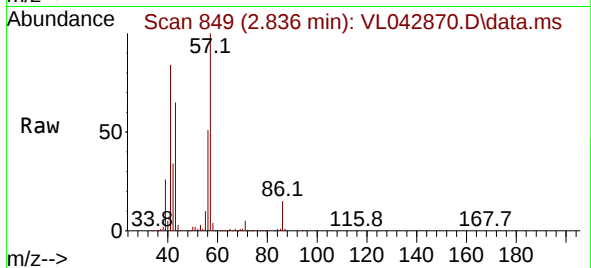
Tgt Ion: 84 Resp: 117619
Ion Ratio Lower Upper
84 100
49 154.9 112.3 168.5
51 46.3 36.0 54.0
86 61.7 52.0 78.0





#26
Hexane
Concen: 11.619 ppbv
RT: 2.836 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

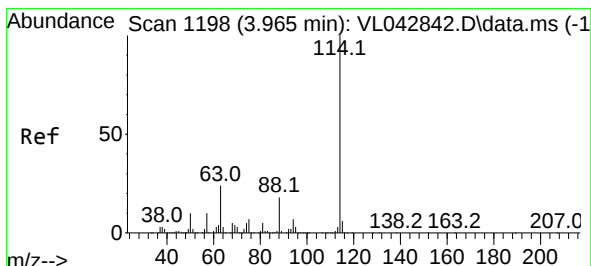
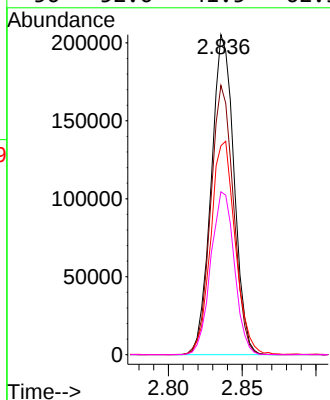
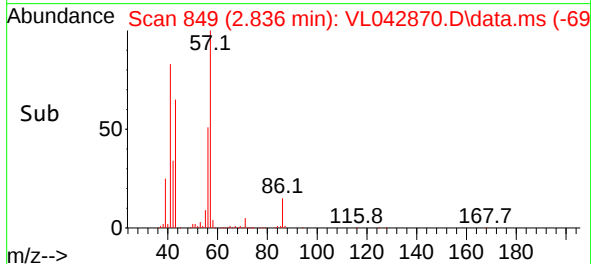
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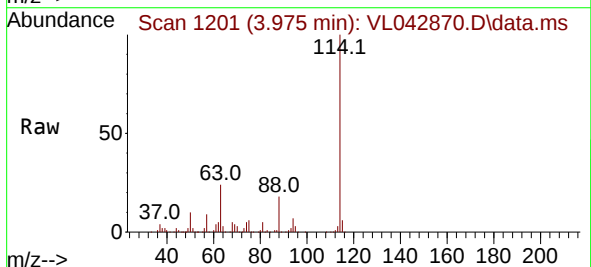
Tgt Ion: 57 Resp: 221072
Ion Ratio Lower Upper
57 100
41 84.4 68.6 103.0
43 71.9 168.5 252.7
56 52.6 41.5 62.3

Manual Integrations
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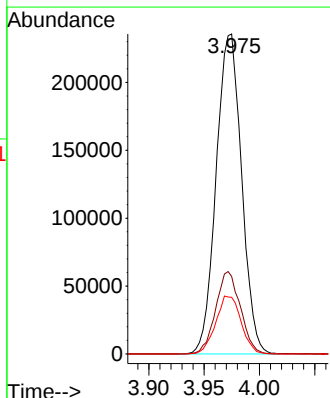
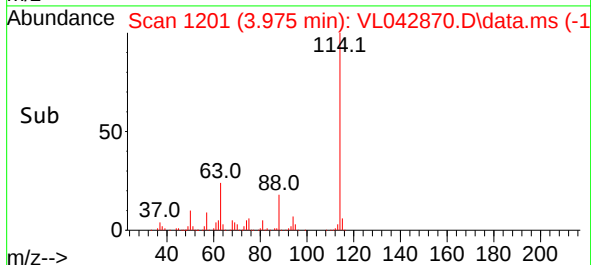
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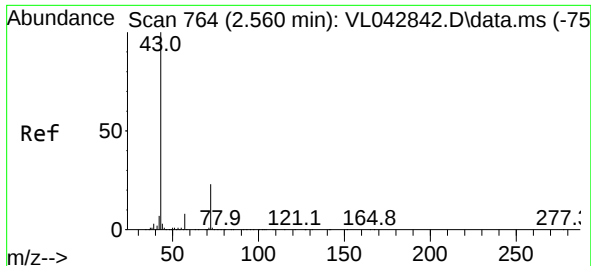


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.010 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52



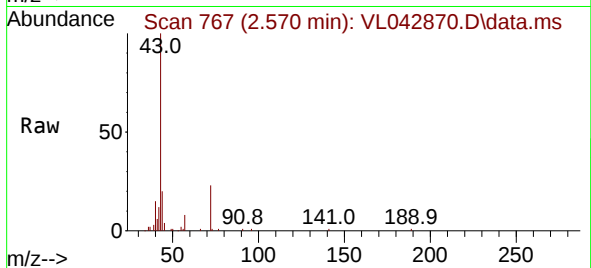
Tgt Ion:114 Resp: 376942
Ion Ratio Lower Upper
114 100
63 25.0 19.7 29.5
88 18.0 14.4 21.6





#34
2-Butanone
Concen: 0.397 ppbv
RT: 2.570 min Scan# 764
Delta R.T. 0.010 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

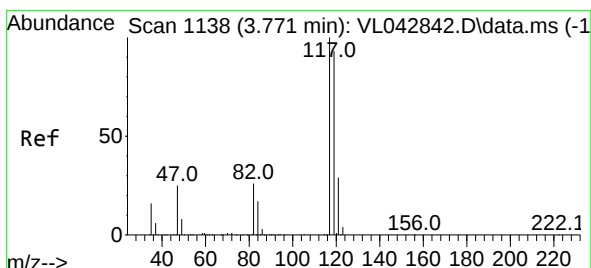
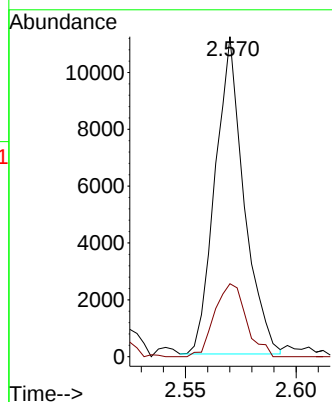
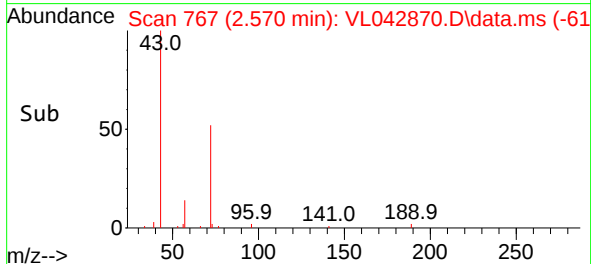
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 43 Resp: 10108
Ion Ratio Lower Upper
43 100
72 25.2 18.6 28.0

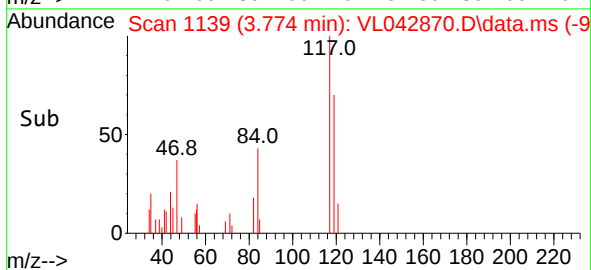
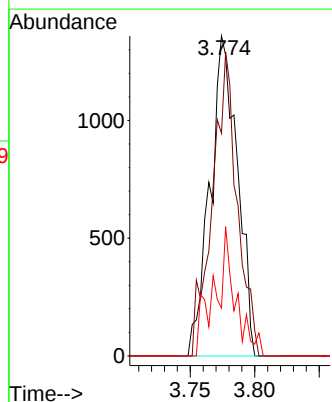
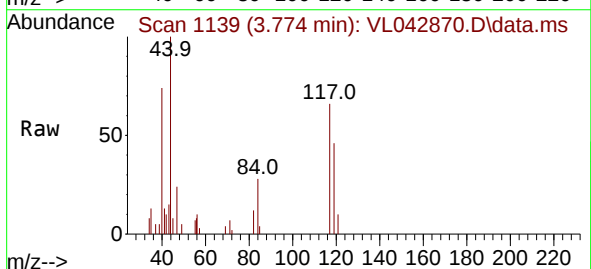
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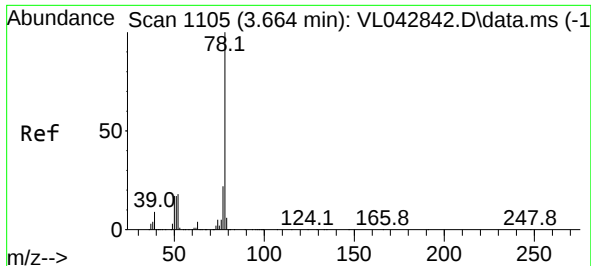
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 3.774 min Scan# 1139
Delta R.T. 0.003 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

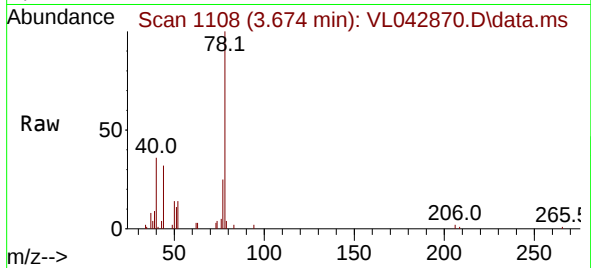
Tgt Ion:117 Resp: 1994
Ion Ratio Lower Upper
117 100
119 69.6 74.7 112.1#
121 14.9 23.2 34.8#





#36
Benzene
Concen: 0.217 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.010 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

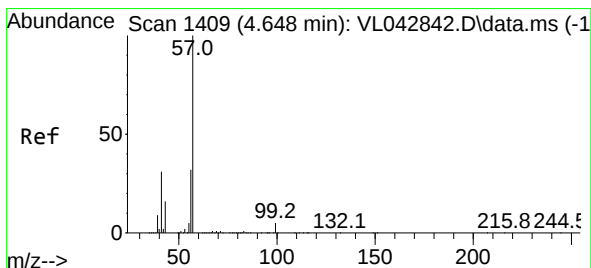
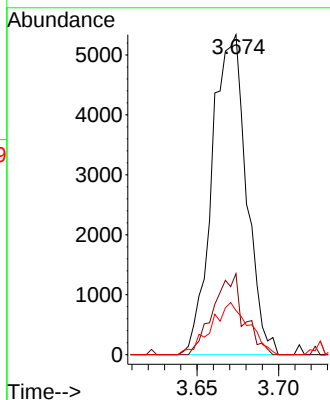
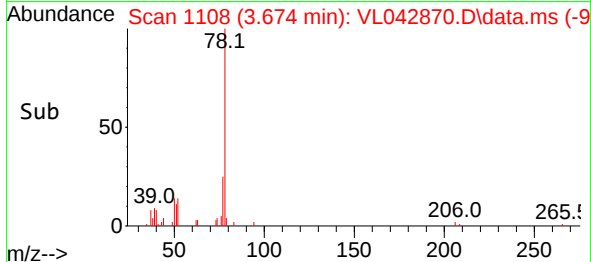
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



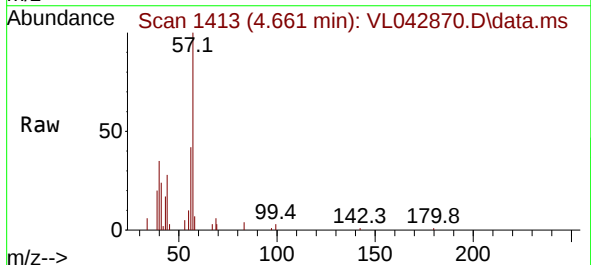
Tgt Ion: 78 Resp: 7833
Ion Ratio Lower Upper
78 100
77 25.3 17.7 26.5
50 13.8 13.9 20.9

Manual Integrations
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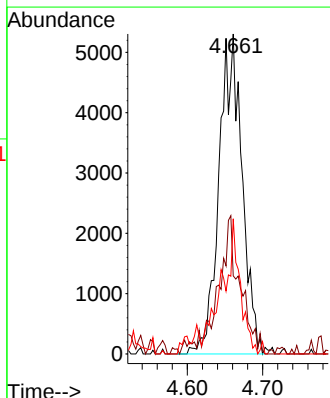
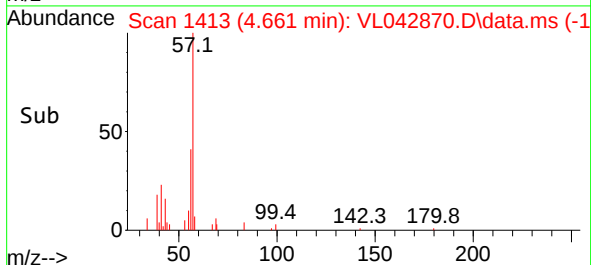
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

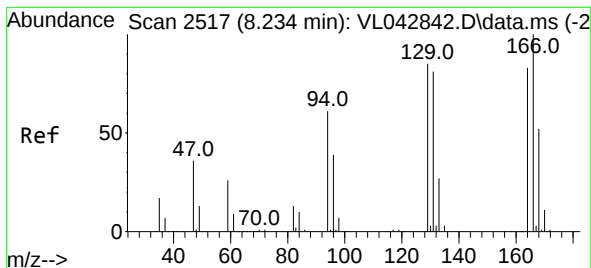


#44
2,2,4-Trimethylpentane
Concen: 0.184 ppbv m
RT: 4.661 min Scan# 1413
Delta R.T. 0.013 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52



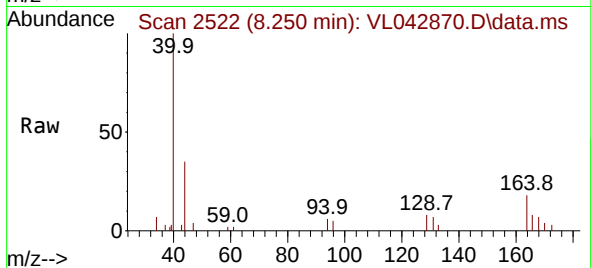
Tgt Ion: 57 Resp: 11253
Ion Ratio Lower Upper
57 100
41 42.1 24.8 37.2#
56 38.0 25.5 38.3





#52
Tetrachloroethene
Concen: 0.045 ppbv m
RT: 8.250 min Scan# 2121
Delta R.T. 0.016 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

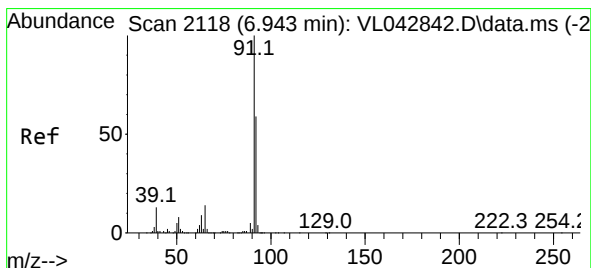
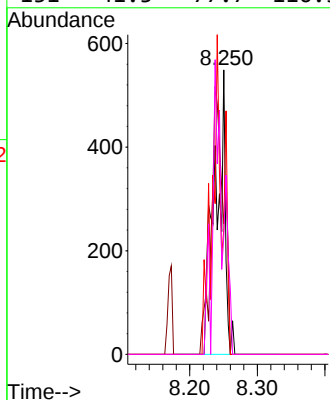
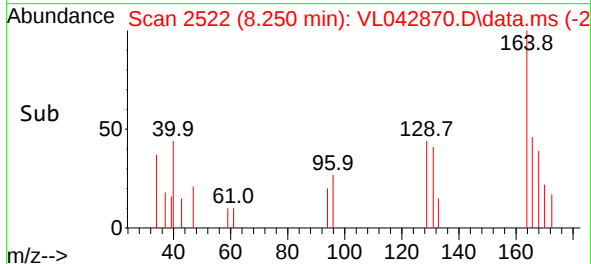
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:164 Resp: 582
Ion Ratio Lower Upper
164 100
166 45.9 96.5 144.7
129 44.1 81.8 122.6
131 41.3 77.7 116.5#

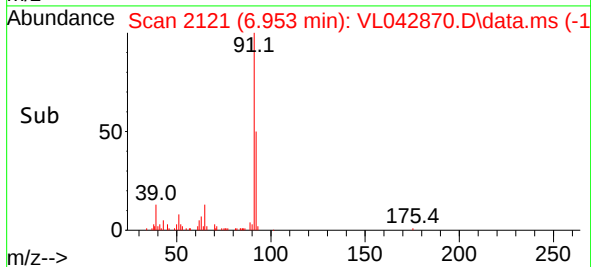
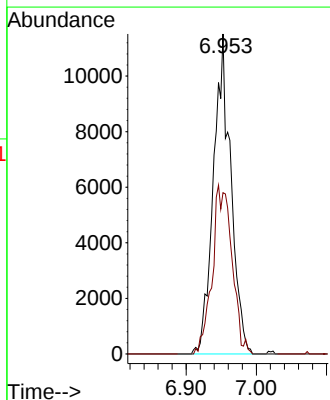
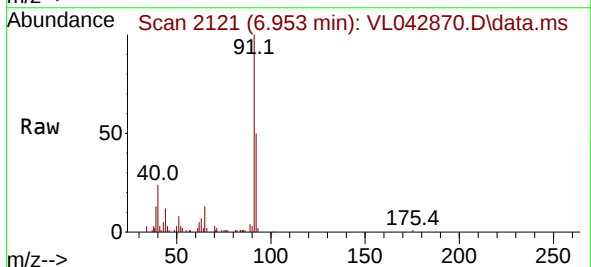
Manual Integrations
APPROVED

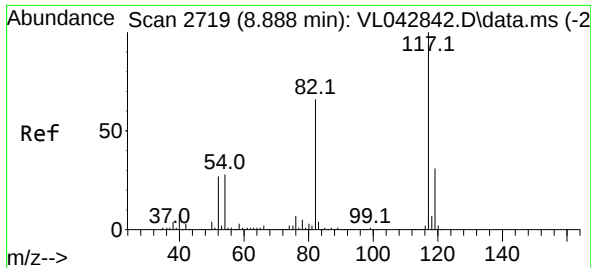
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#53
Toluene
Concen: 0.462 ppbv m
RT: 6.953 min Scan# 2121
Delta R.T. 0.010 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

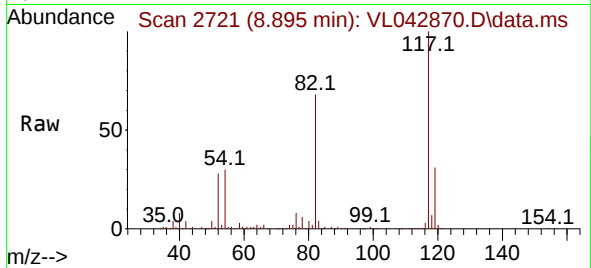
Tgt Ion: 91 Resp: 19807
Ion Ratio Lower Upper
91 100
92 0.0 47.8 71.6#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

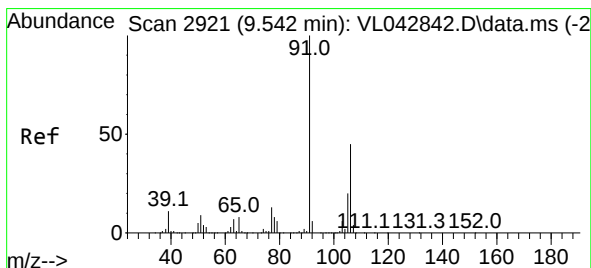
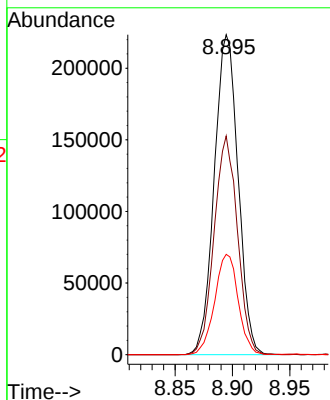
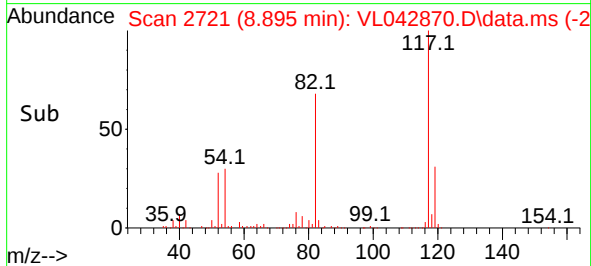
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:117 Resp: 322820
Ion Ratio Lower Upper
117 100
82 66.9 54.6 81.8
119 31.2 25.9 38.9

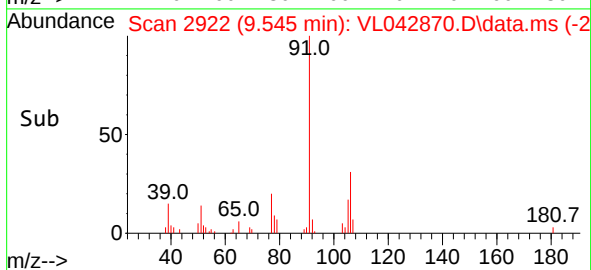
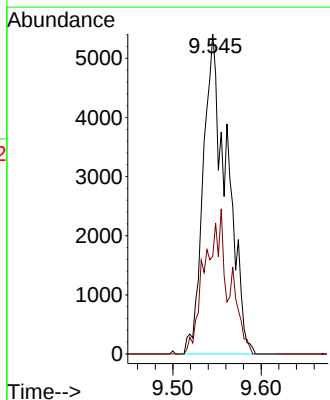
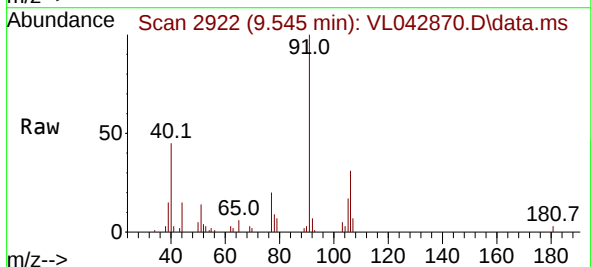
Manual Integrations
APPROVED

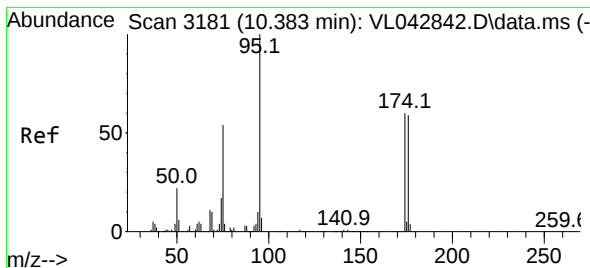
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#59
m/p-Xylene
Concen: 0.227 ppbv m
RT: 9.545 min Scan# 2922
Delta R.T. 0.003 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

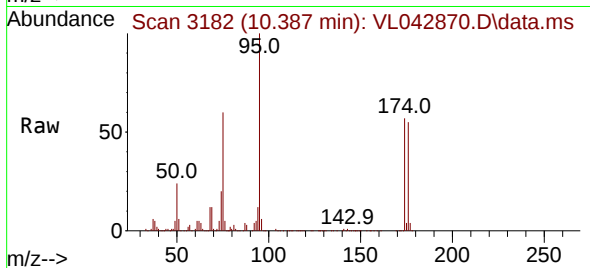
Tgt Ion: 91 Resp: 10129
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0





#68
1-Bromo-4-Fluorobenzene
Concen: 10.194 ppbv
RT: 10.387 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

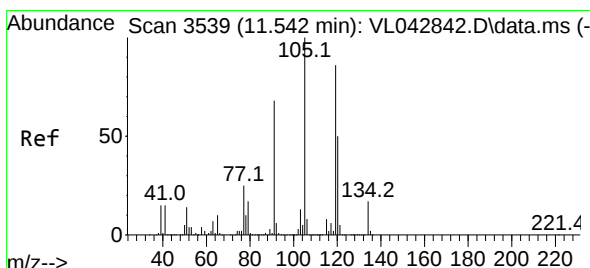
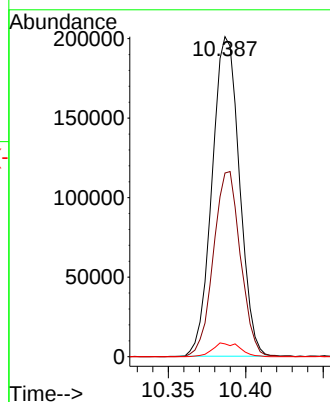
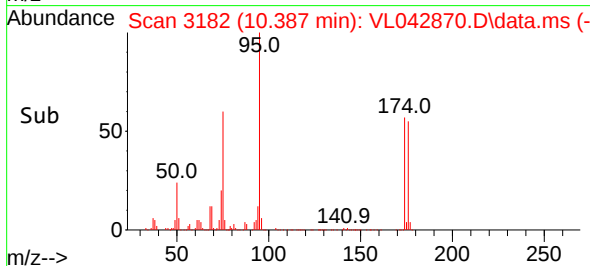
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 95 Resp: 246799
Ion Ratio Lower Upper
95 100
174 57.4 48.4 72.6
175 4.3 3.8 5.8

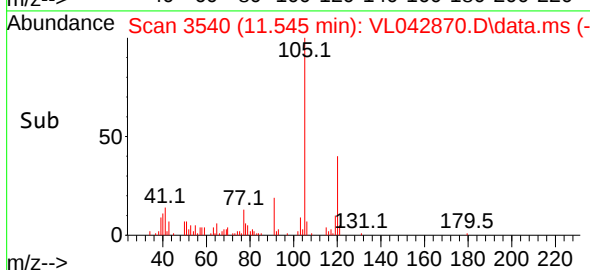
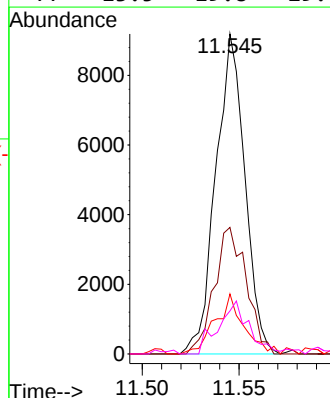
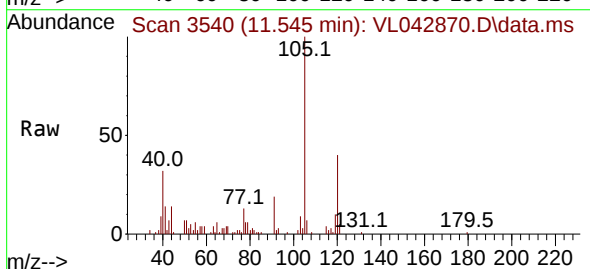
Manual Integrations
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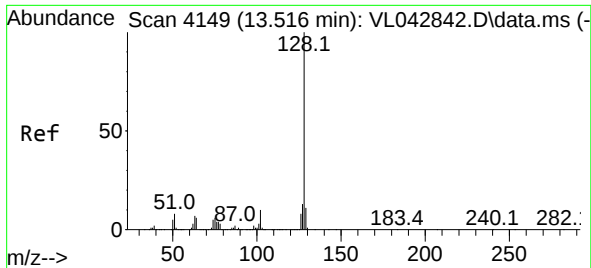
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.189 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

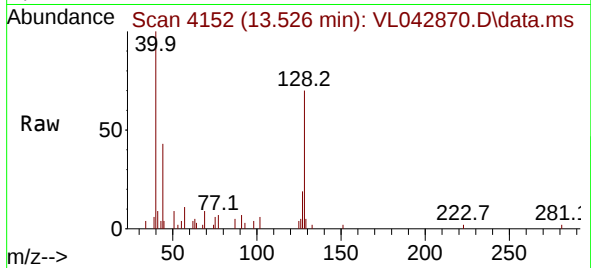
Tgt Ion:105 Resp: 9599
Ion Ratio Lower Upper
105 100
120 39.6 39.8 59.6#
91 18.7 54.2 81.4#
77 13.5 19.8 29.6#





#79
Naphthalene
Concen: 0.046 ppbv
RT: 13.526 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042870.D
Acq: 21 Aug 2025 17:52

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:	128	Resp:	2129
Ion Ratio	Lower	Upper	
128	100		
127	27.4	10.6	16.0
129	6.9	8.9	13.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

