

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090425\
 Data File : VL042892.D
 Acq On : 04 Sep 2025 16:16
 Operator : SY/MD
 Sample : Q3000-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2025
 Supervised By :Mahesh Dadoda 09/05/2025

Quant Time: Sep 05 01:23:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 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	123311	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	330308	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	285076	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	217596	10.178	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	8318	0.460	ppbv	95
3) Chlorodifluoromethane	1.479	51	19172	0.960	ppbv	95
4) Chloromethane	1.534	50	3412	0.468	ppbv	93
9) Propene	1.489	41	3042	0.353	ppbv #	17
11) Trichlorofluoromethane	1.881	101	4930	0.276	ppbv	97
13) Ethanol	1.725	45	12082	15.317	ppbv	97
15) Acetone	1.842	43	71081	4.358	ppbv	99
19) Isopropyl Alcohol	1.894	45	8455	0.868	ppbv #	1
20) Methylene Chloride	2.068	84	5029	0.736	ppbv #	86
26) Hexane	2.832	57	4193	0.230	ppbv #	50
34) 2-Butanone	2.570	43	6686	0.300	ppbv	97
35) Carbon Tetrachloride	3.774	117	2174m	0.095	ppbv	
36) Benzene	3.671	78	3509m	0.111	ppbv	
52) Tetrachloroethene	8.247	164	608m	0.053	ppbv	
53) Toluene	6.953	91	9569m	0.254	ppbv	
59) m/p-Xylene	9.539	91	5125m	0.130	ppbv	

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

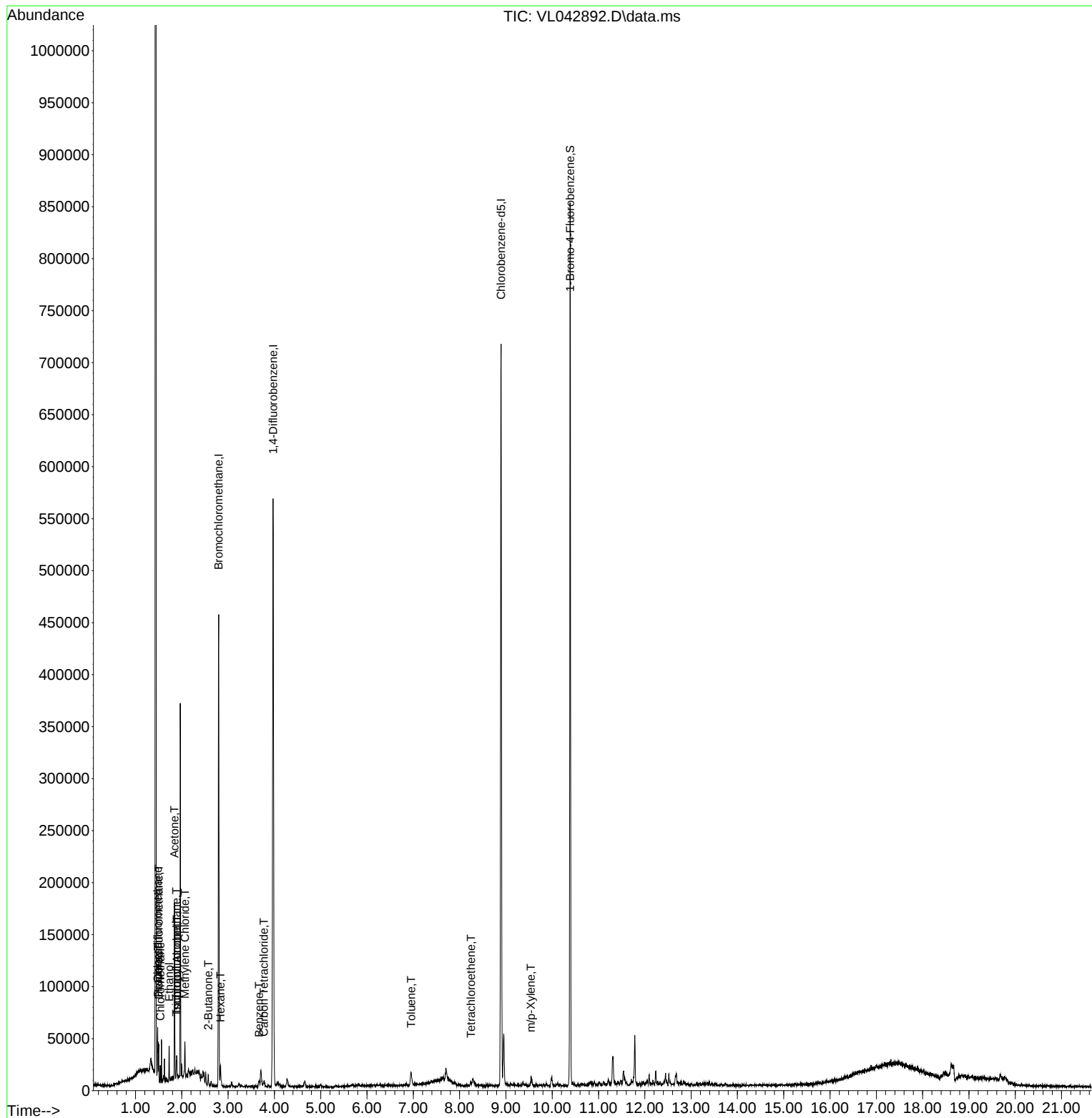
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090425\
Data File : VL042892.D
Acq On : 04 Sep 2025 16:16
Operator : SY/MD
Sample : Q3000-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

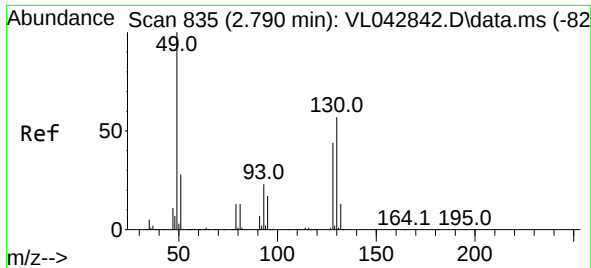
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Sep 05 01:23:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

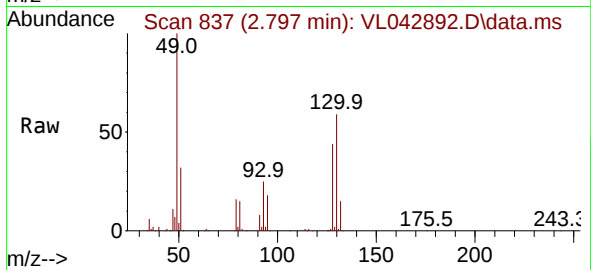
Reviewed By : Semsettin Yesilyurt 09/05/2025
Supervised By : Mahesh Dadoda 09/05/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16

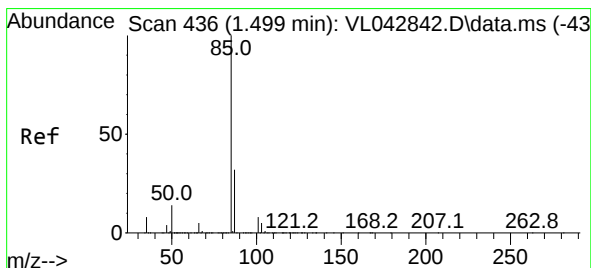
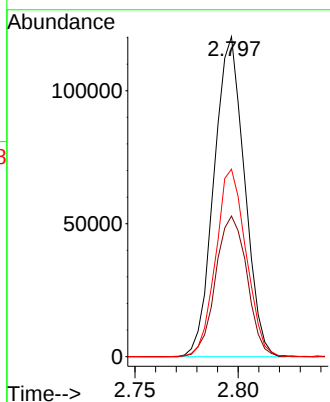
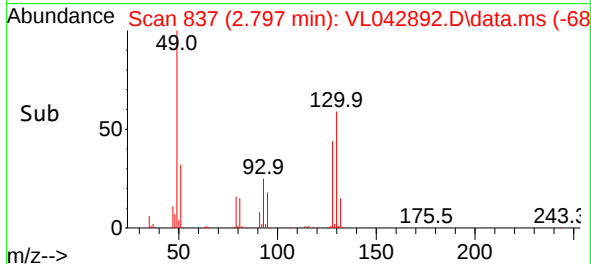
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 12331
Ion Ratio Lower Upper
49 100
128 45.3 23.7 71.1
130 58.5 30.6 91.6

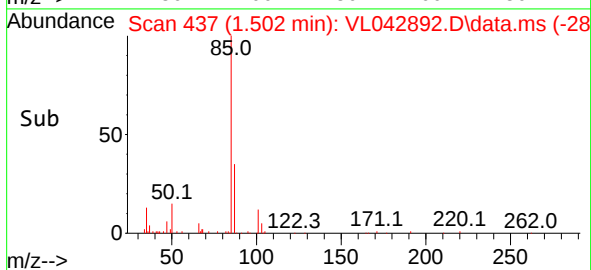
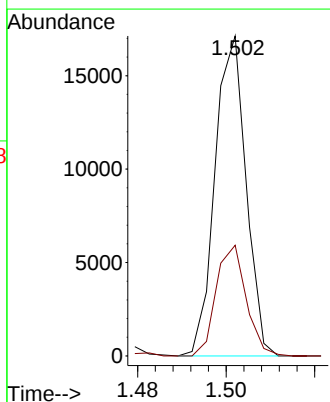
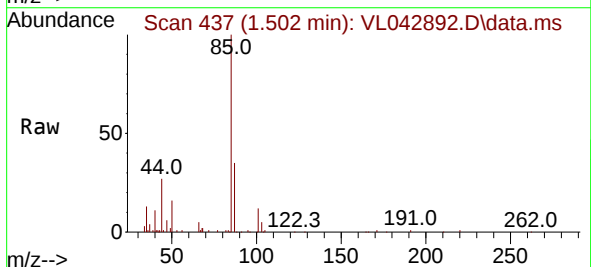
Manual Integrations
APPROVED

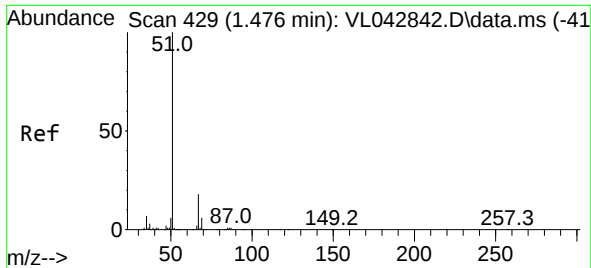
Reviewed By :Semsettin Yesilyurt 09/05/2025
Supervised By :Mahesh Dadoda 09/05/2025



#2
Dichlorodifluoromethane
Concen: 0.460 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16

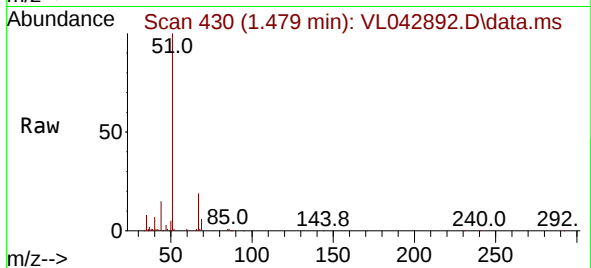
Tgt Ion: 85 Resp: 8318
Ion Ratio Lower Upper
85 100
87 34.6 25.3 37.9





#3
Chlorodifluoromethane
Concen: 0.960 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16

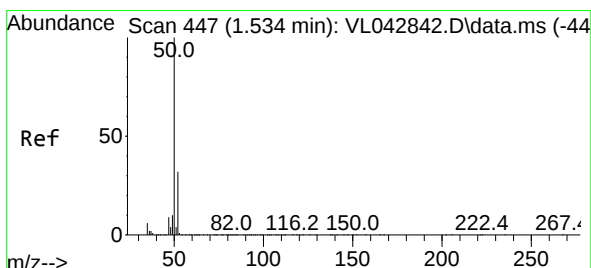
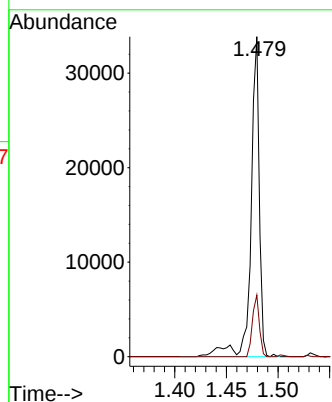
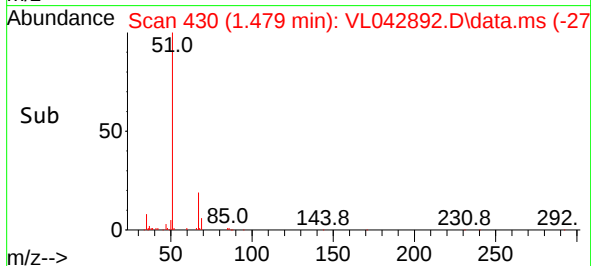
Instrument :
MSVOA_L
ClientSampleId :
IA1



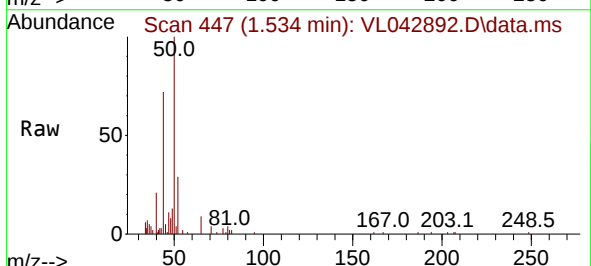
Tgt Ion: 51 Resp: 1917
Ion Ratio Lower Upper
51 100
67 16.3 14.9 22.3

Manual Integrations
APPROVED

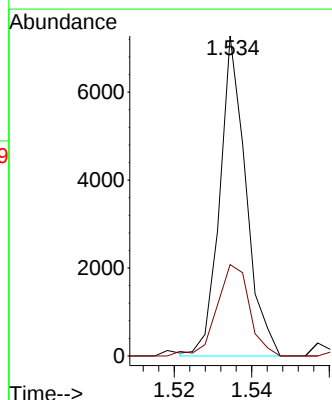
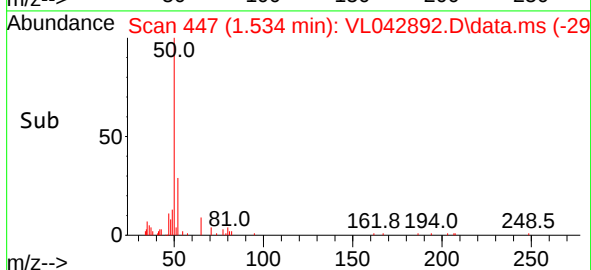
Reviewed By :Semsettin Yesilyurt 09/05/2025
Supervised By :Mahesh Dadoda 09/05/2025

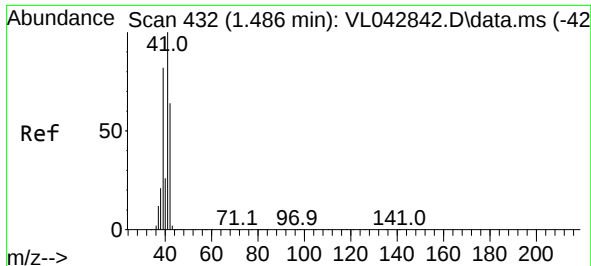


#4
Chloromethane
Concen: 0.468 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16



Tgt Ion: 50 Resp: 3412
Ion Ratio Lower Upper
50 100
52 28.5 25.9 38.9





#9

Propene

Concen: 0.353 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042892.D

Acq: 04 Sep 2025 16:16

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 304

Ion Ratio Lower Upper

41 100

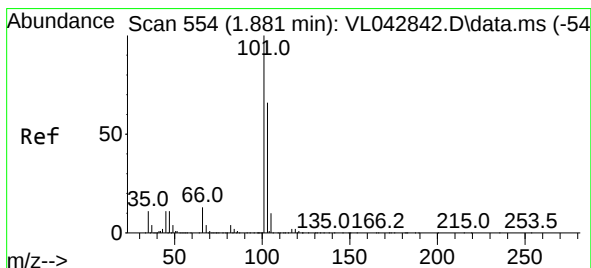
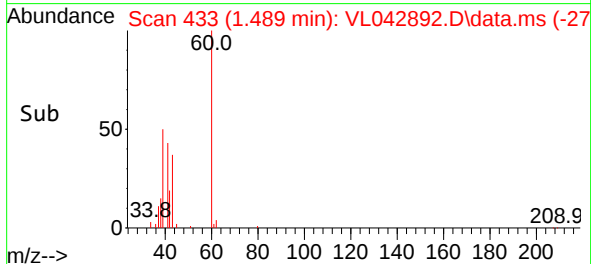
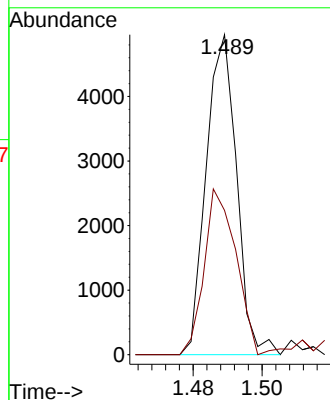
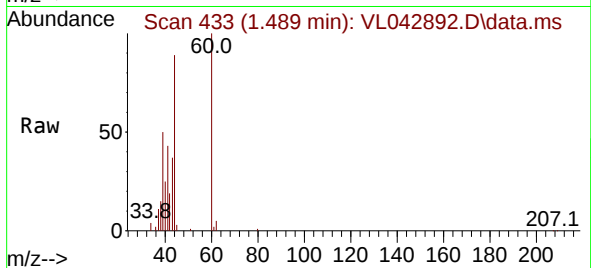
42 0.0 53.0 79.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2025

Supervised By :Mahesh Dadoda 09/05/2025



#11

Trichlorofluoromethane

Concen: 0.276 ppbv

RT: 1.881 min Scan# 554

Delta R.T. -0.000 min

Lab File: VL042892.D

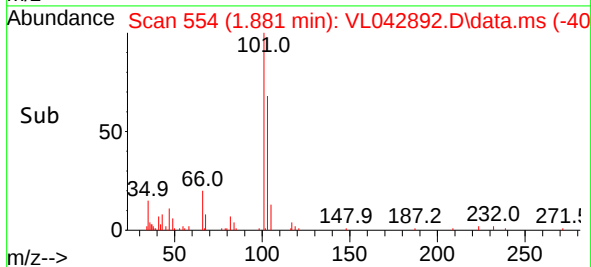
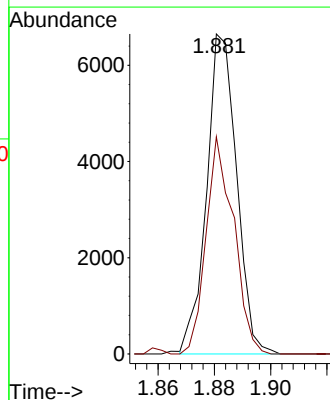
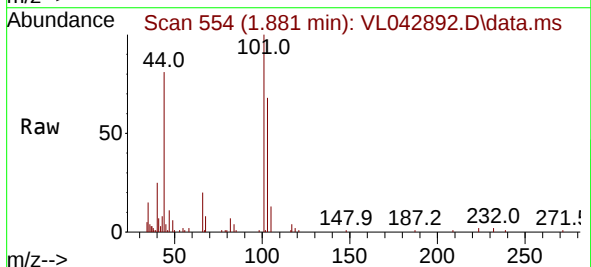
Acq: 04 Sep 2025 16:16

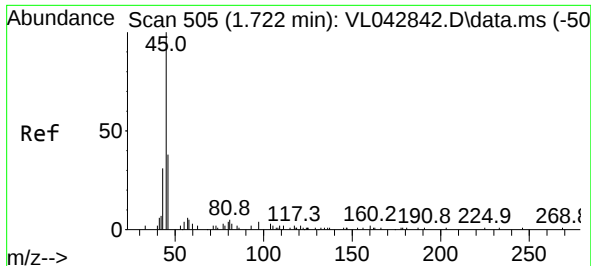
Tgt Ion:101 Resp: 4930

Ion Ratio Lower Upper

101 100

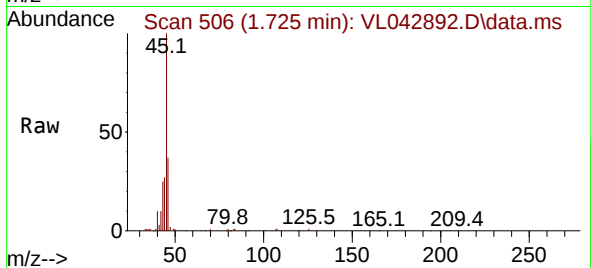
103 67.9 52.5 78.7





#13
Ethanol
Concen: 15.317 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16

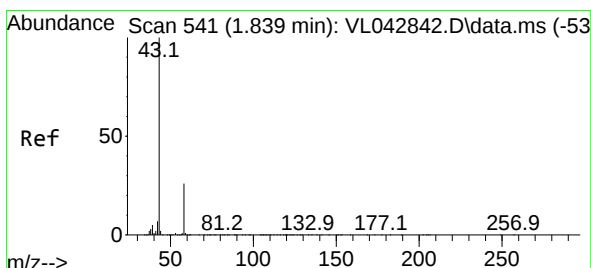
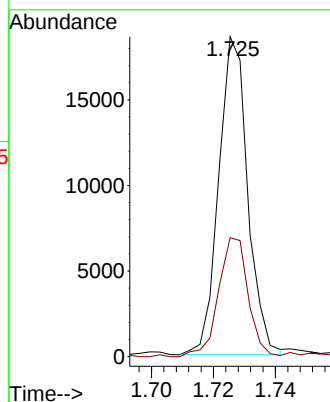
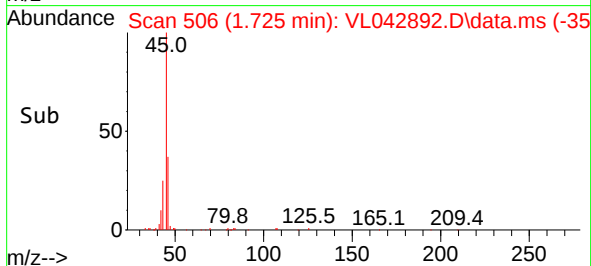
Instrument :
MSVOA_L
ClientSampleId :
IA1



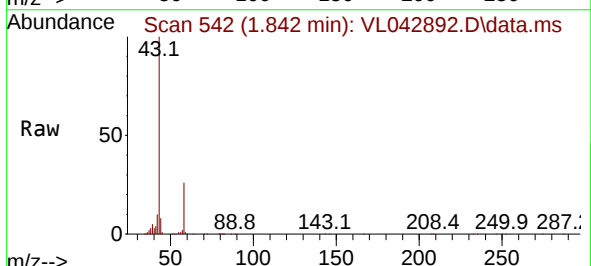
Tgt Ion: 45 Resp: 1208
Ion Ratio Lower Upper
45 100
46 41.6 17.5 69.9

Manual Integrations
APPROVED

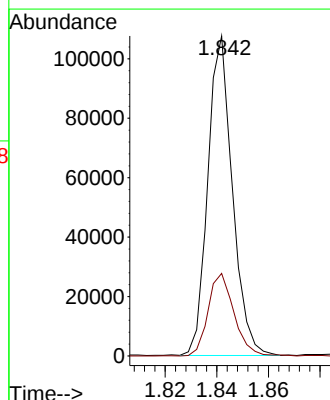
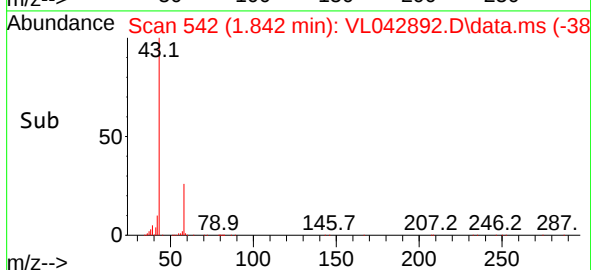
Reviewed By :Semsettin Yesilyurt 09/05/2025
Supervised By :Mahesh Dadoda 09/05/2025

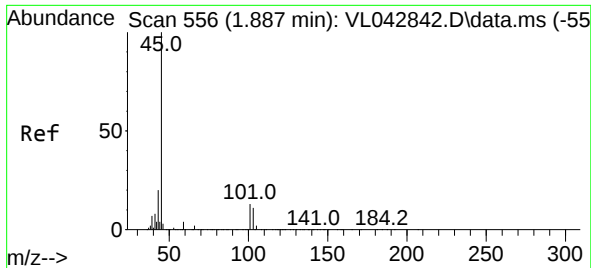


#15
Acetone
Concen: 4.358 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.003 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16



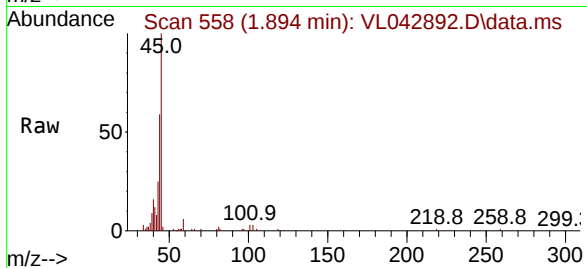
Tgt Ion: 43 Resp: 71081
Ion Ratio Lower Upper
43 100
58 27.4 22.4 33.6





#19
Isopropyl Alcohol
Concen: 0.868 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.006 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16

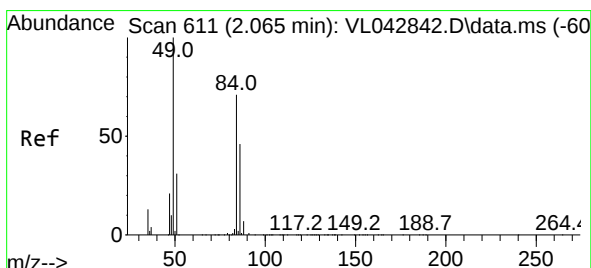
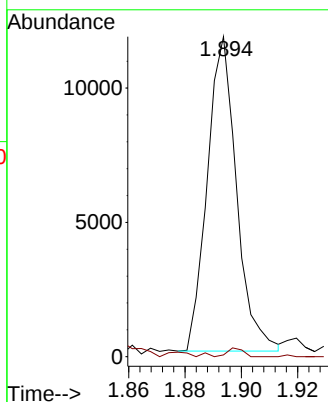
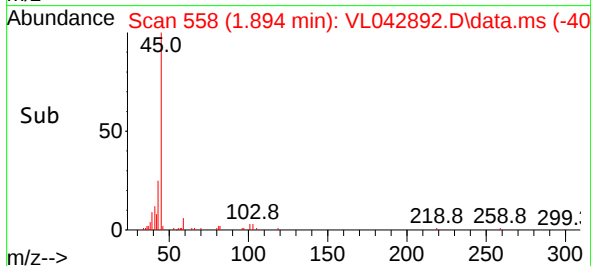
Instrument :
MSVOA_L
ClientSampleId :
IA1



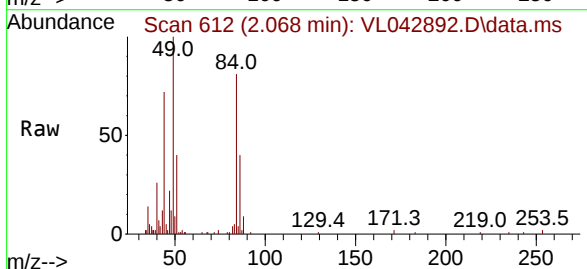
Tgt Ion: 45 Resp: 845
Ion Ratio Lower Upper
45 100
58 230.6 32.7 49.1

Manual Integrations
APPROVED

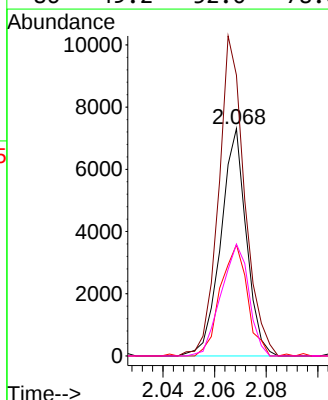
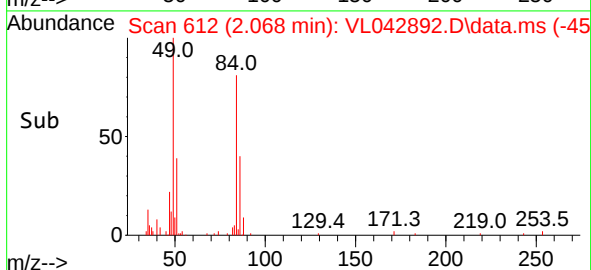
Reviewed By :Semsettin Yesilyurt 09/05/2025
Supervised By :Mahesh Dadoda 09/05/2025

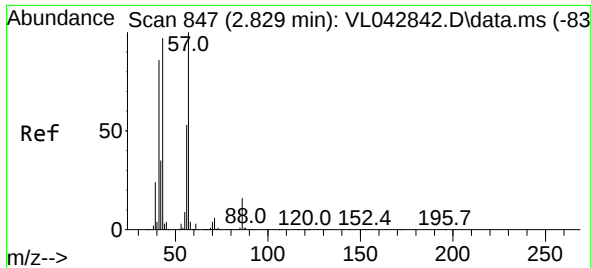


#20
Methylene Chloride
Concen: 0.736 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16



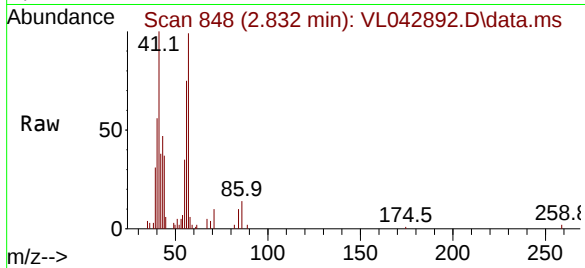
Tgt Ion: 84 Resp: 5029
Ion Ratio Lower Upper
84 100
49 123.5 112.3 168.5
51 48.9 36.0 54.0
86 49.2 52.0 78.0





#26
Hexane
Concen: 0.230 ppbv
RT: 2.832 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16

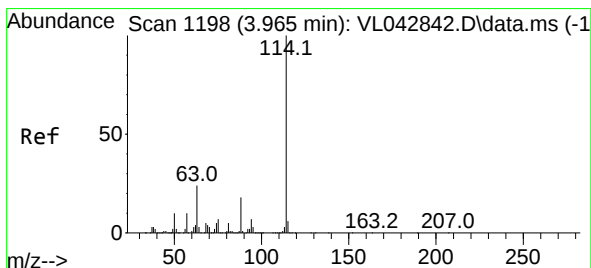
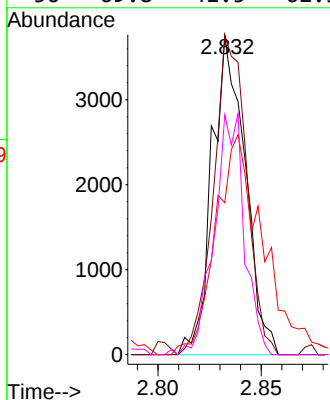
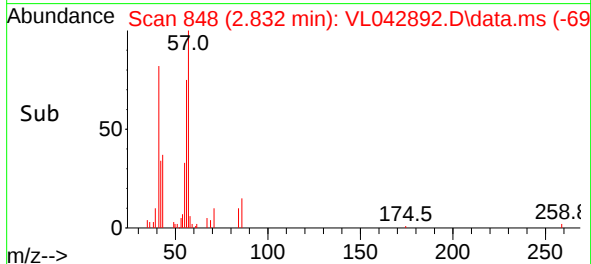
Instrument :
MSVOA_L
ClientSampleId :
IA1



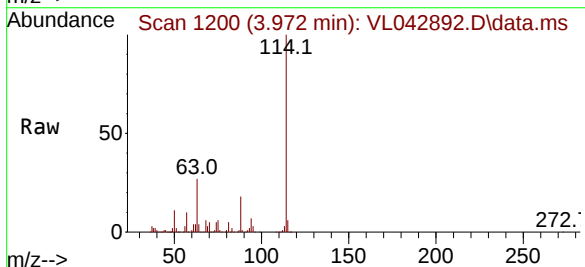
Tgt Ion: 57 Resp: 419
Ion Ratio Lower Upper
57 100
41 102.2 68.6 103.0
43 102.3 168.5 252.7
56 69.8 41.5 62.3

Manual Integrations
APPROVED

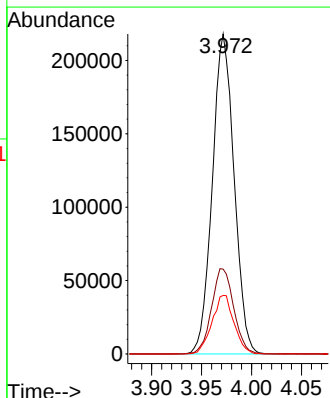
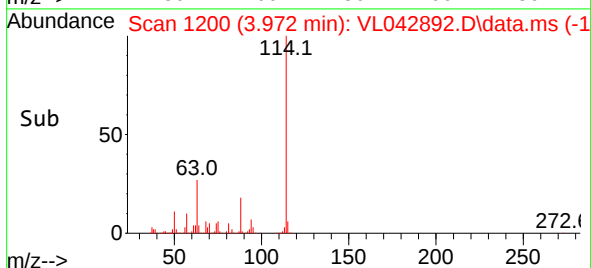
Reviewed By :Semsettin Yesilyurt 09/05/2025
Supervised By :Mahesh Dadoda 09/05/2025

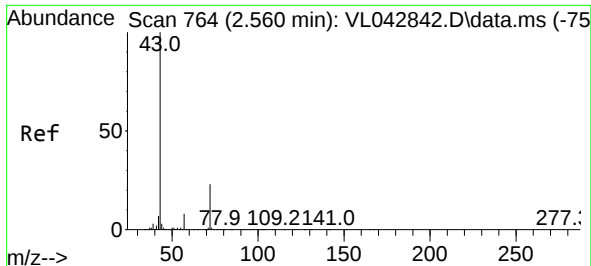


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. 0.006 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16



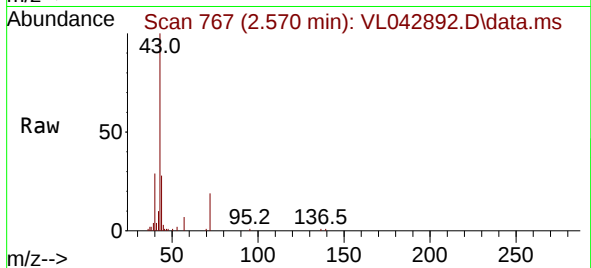
Tgt Ion:114 Resp: 330308
Ion Ratio Lower Upper
114 100
63 27.2 19.7 29.5
88 18.5 14.4 21.6





#34
2-Butanone
Concen: 0.300 ppbv
RT: 2.570 min Scan# 764
Delta R.T. 0.010 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16

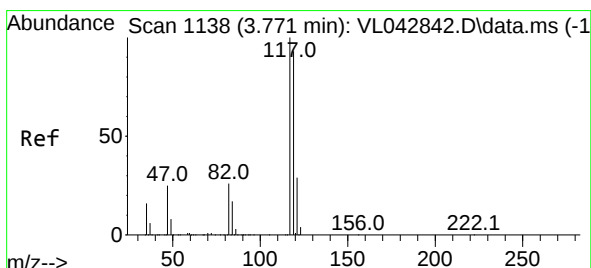
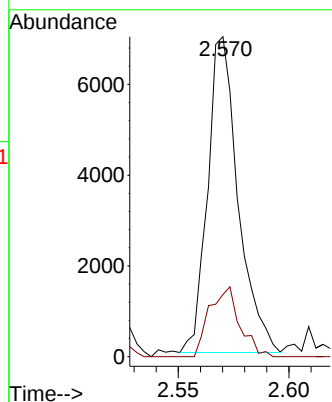
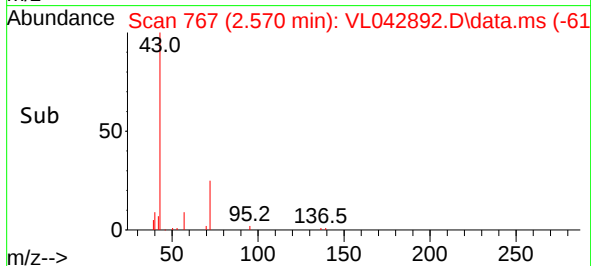
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 6680
Ion Ratio Lower Upper
43 100
72 21.8 18.6 28.0

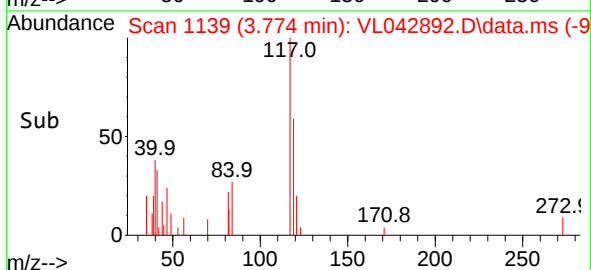
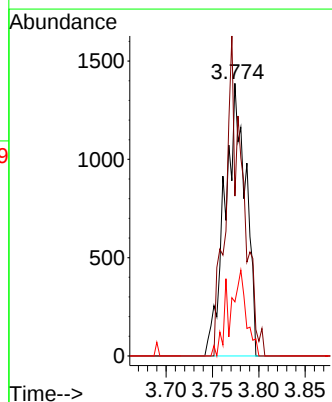
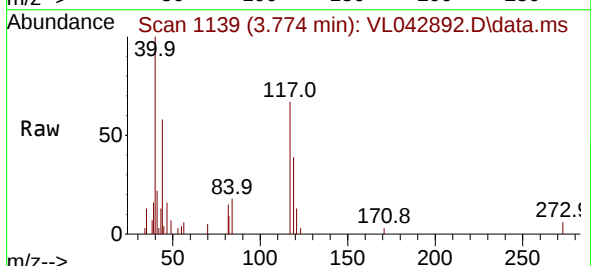
Manual Integrations
APPROVED

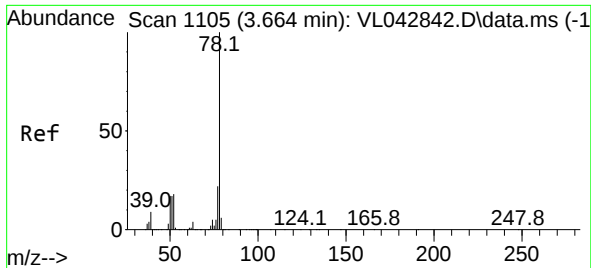
Reviewed By :Semsettin Yesilyurt 09/05/2025
Supervised By :Mahesh Dadoda 09/05/2025



#35
Carbon Tetrachloride
Concen: 0.095 ppbv m
RT: 3.774 min Scan# 1139
Delta R.T. 0.003 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16

Tgt Ion:117 Resp: 2174
Ion Ratio Lower Upper
117 100
119 58.6 74.7 112.1#
121 19.8 23.2 34.8#





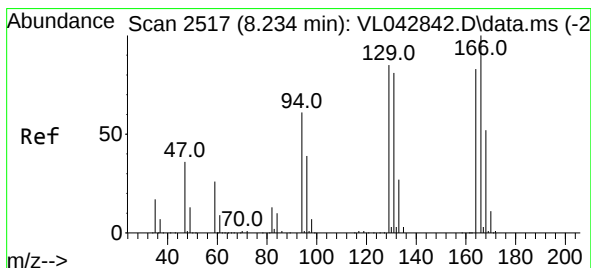
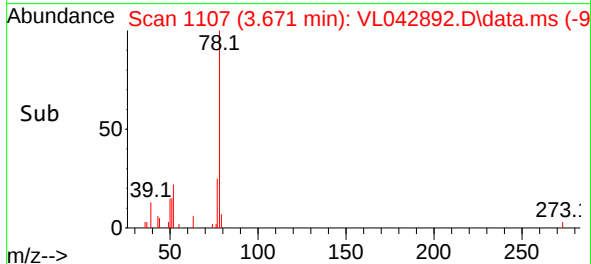
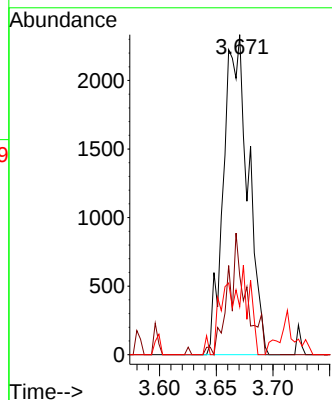
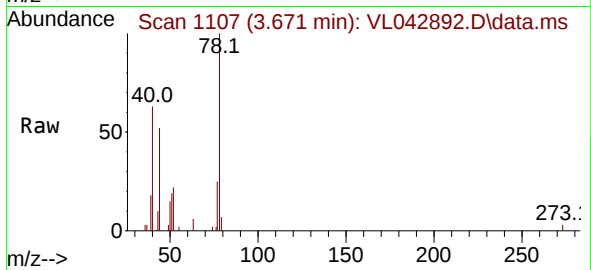
#36
Benzene
Concen: 0.111 ppbv m
RT: 3.671 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 78 Resp: 3509
Ion Ratio Lower Upper
78 100
77 24.7 17.7 26.5
50 15.0 13.9 20.9

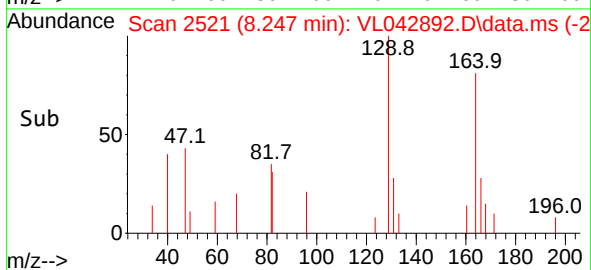
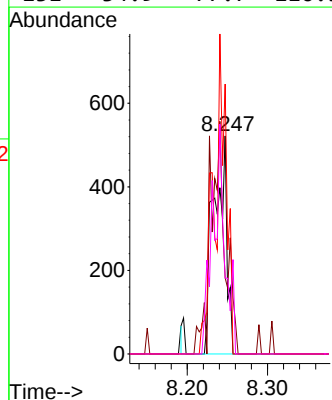
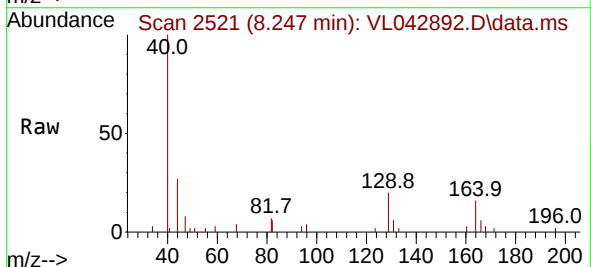
Manual Integrations
APPROVED

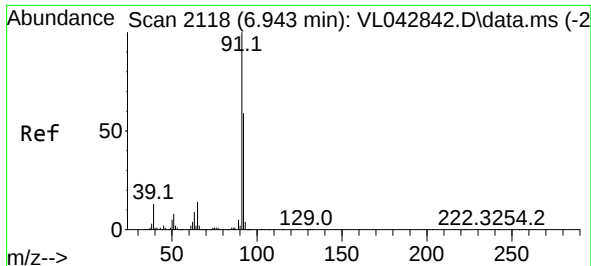
Reviewed By :Semsettin Yesilyurt 09/05/2025
Supervised By :Mahesh Dadoda 09/05/2025



#52
Tetrachloroethene
Concen: 0.053 ppbv m
RT: 8.247 min Scan# 2521
Delta R.T. 0.013 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16

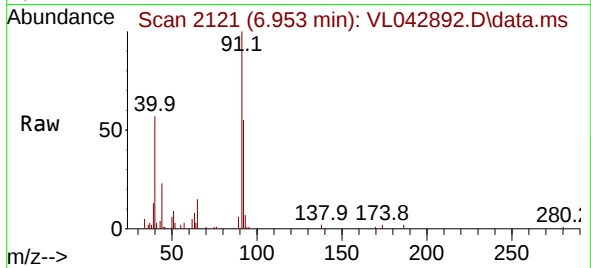
Tgt Ion:164 Resp: 608
Ion Ratio Lower Upper
164 100
166 34.9 96.5 144.7#
129 123.8 81.8 122.6#
131 34.9 77.7 116.5#





#53
Toluene
Concen: 0.254 ppbv m
RT: 6.953 min Scan# 2118
Delta R.T. 0.010 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16

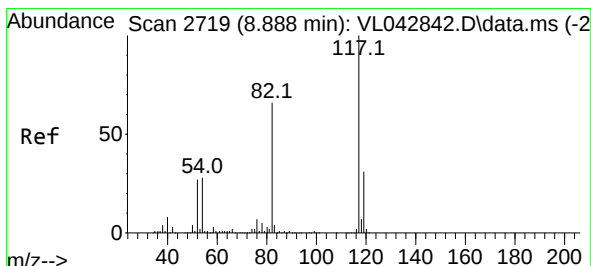
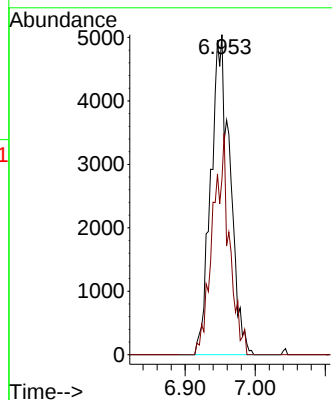
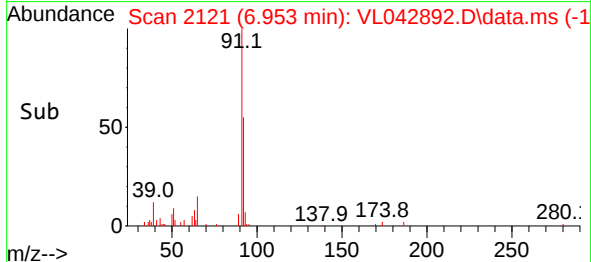
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 956
Ion Ratio Lower Upper
91 100
92 0.0 47.8 71.6

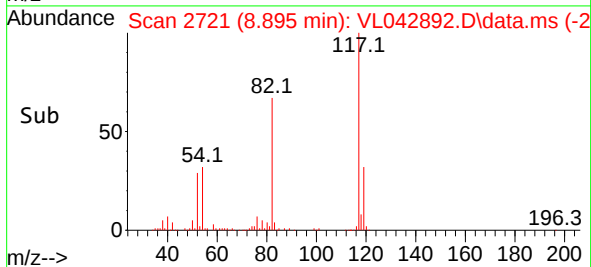
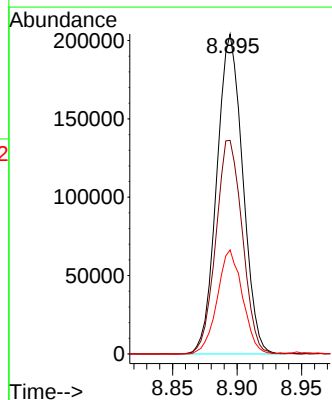
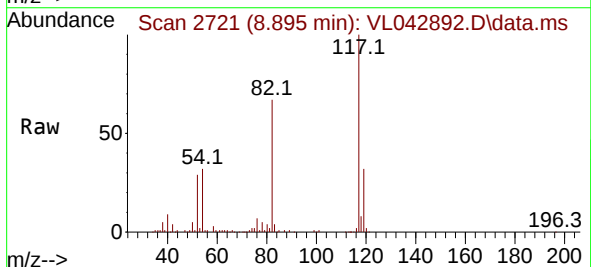
Manual Integrations
APPROVED

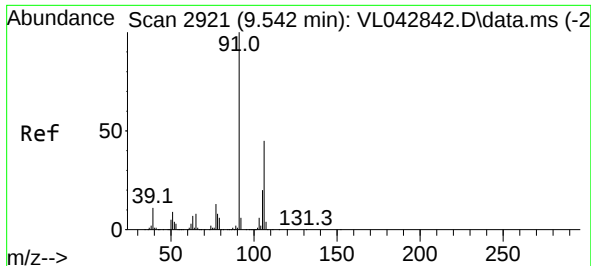
Reviewed By :Semsettin Yesilyurt 09/05/2025
Supervised By :Mahesh Dadoda 09/05/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2721
Delta R.T. 0.006 min
Lab File: VL042892.D
Acq: 04 Sep 2025 16:16

Tgt Ion:117 Resp: 285076
Ion Ratio Lower Upper
117 100
82 68.2 54.6 81.8
119 31.8 25.9 38.9





#59

m/p-Xylene

Concen: 0.130 ppbv m

RT: 9.539 min Scan# 2921

Delta R.T. -0.003 min

Lab File: VL042892.D

Acq: 04 Sep 2025 16:16

Instrument :

MSVOA_L

ClientSampleId :

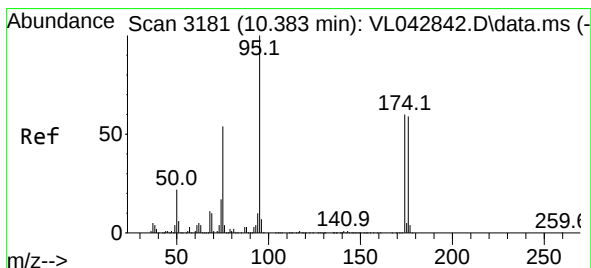
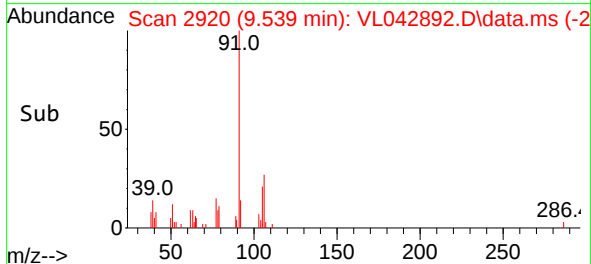
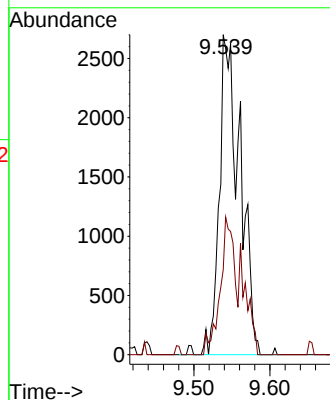
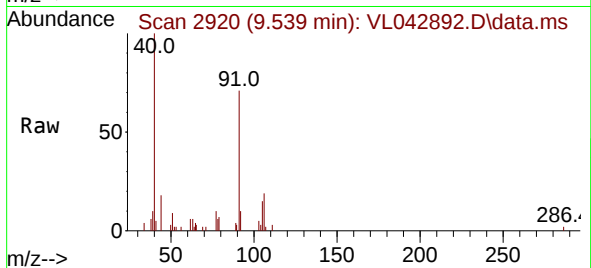
IA1

Tgt Ion: 91 Resp: 512
 Ion Ratio Lower Upper
 91 100
 106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2025
 Supervised By :Mahesh Dadoda 09/05/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.178 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.003 min

Lab File: VL042892.D

Acq: 04 Sep 2025 16:16

Tgt Ion: 95 Resp: 217596
 Ion Ratio Lower Upper
 95 100
 174 55.5 48.4 72.6
 175 4.0 3.8 5.8

