

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042190.D
 Acq On : 27 Mar 2025 21:24
 Operator : SY/MD
 Sample : Q1669-09DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-3-3252025DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 02:17:45 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	2.787	49	184637	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	532429	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	472897	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	386908	9.963	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	11705	0.429	ppbv	100
3) Chlorodifluoromethane	1.476	51	12361	0.444	ppbv #	91
4) Chloromethane	1.531	50	5052	0.453	ppbv #	85
9) Propene	1.486	41	3425	0.268	ppbv	91
11) Trichlorofluoromethane	1.878	101	5282	0.199	ppbv	99
13) Ethanol	1.722	45	10556	8.748	ppbv #	27
15) Acetone	1.836	43	60628	2.348	ppbv	94
20) Methylene Chloride	2.062	84	61810	6.427	ppbv	97
26) Hexane	2.829	57	99961	3.861	ppbv #	32
34) 2-Butanone	2.564	43	8734	0.226	ppbv	98
35) Carbon Tetrachloride	3.765	117	2754m	0.066	ppbv	
36) Benzene	3.658	78	7766m	0.147	ppbv	
53) Toluene	6.940	91	20579m	0.329	ppbv	
59) m/p-Xylene	9.532	91	8618m	0.128	ppbv	
74) 1,2,4-Trimethylbenzene	11.539	105	24527	0.291	ppbv #	65

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

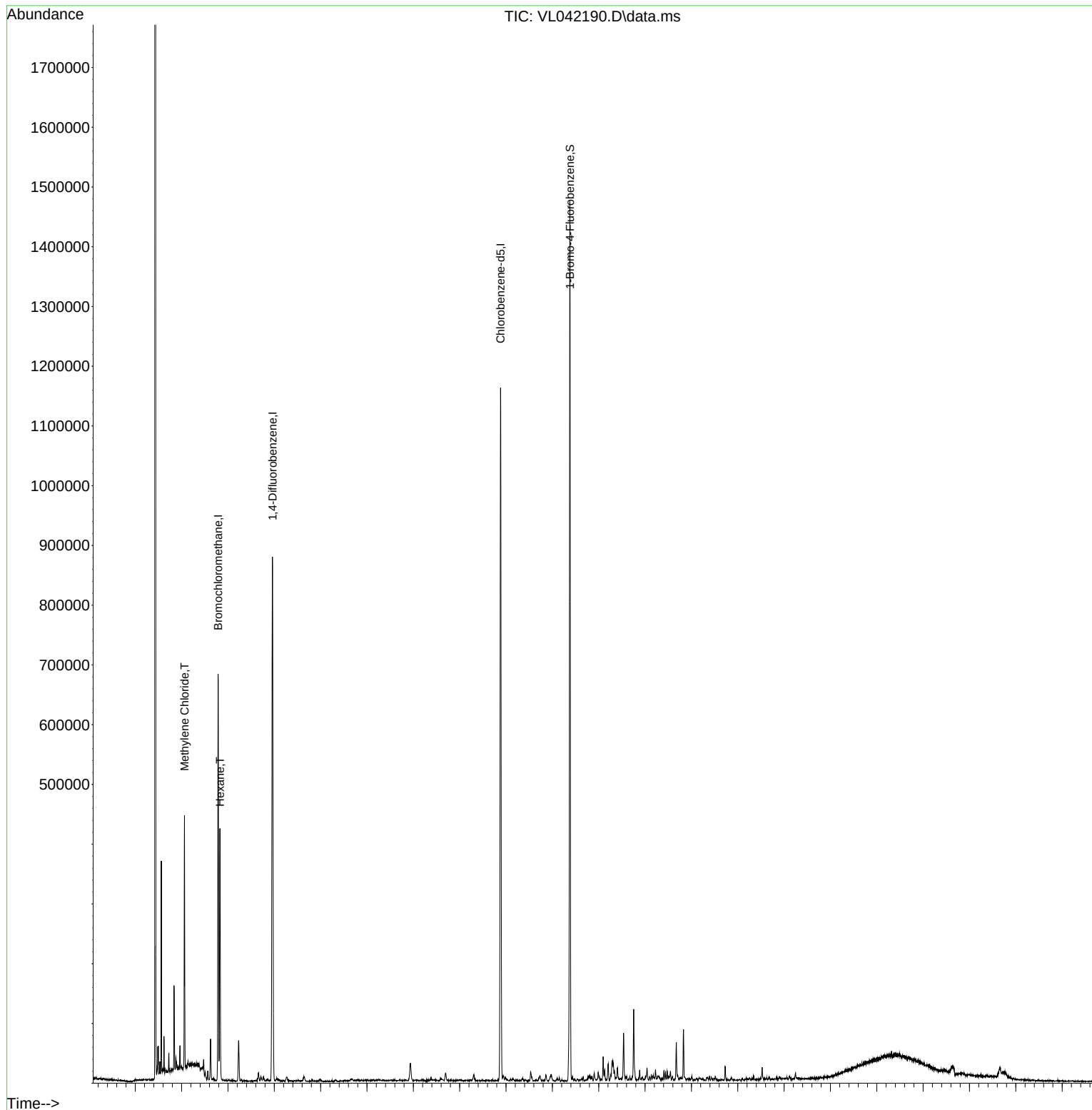
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042190.D
Acq On : 27 Mar 2025 21:24
Operator : SY/MD
Sample : Q1669-09DUP
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

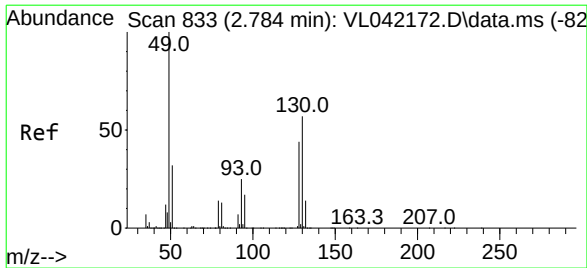
Instrument :
MSVOA_L
ClientSampleId :
AA-3-3252025DUP

Quant Time: Mar 28 02:17:45 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

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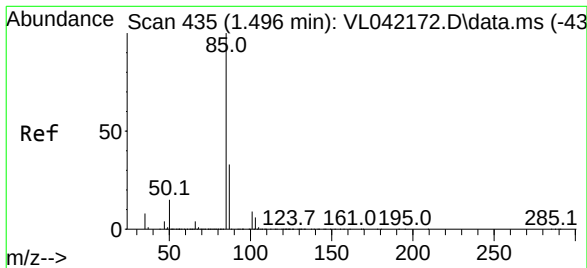
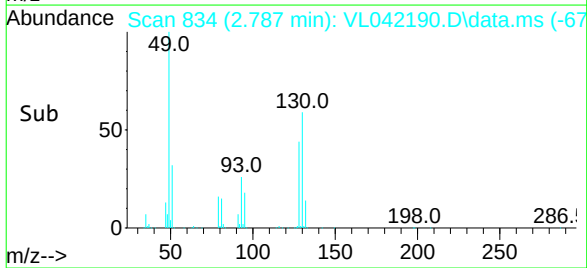
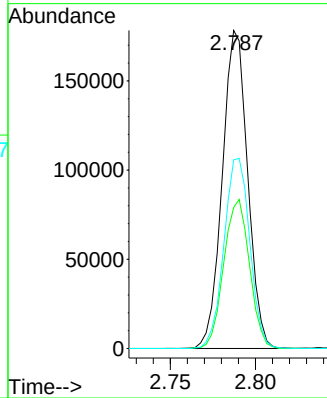
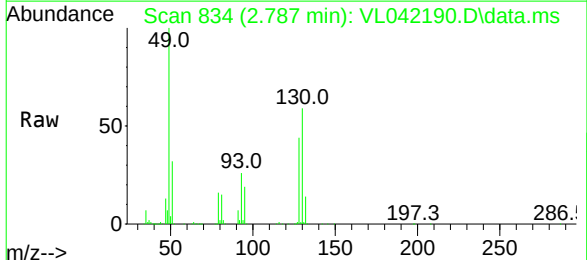
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 833
Delta R.T. 0.003 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24

Instrument :
MSVOA_L
ClientSampleId :
AA-3-3252025DUP

Tgt Ion: 49 Resp: 184637
Ion Ratio Lower Upper
49 100
128 47.5 22.9 68.5
130 61.0 28.8 86.4

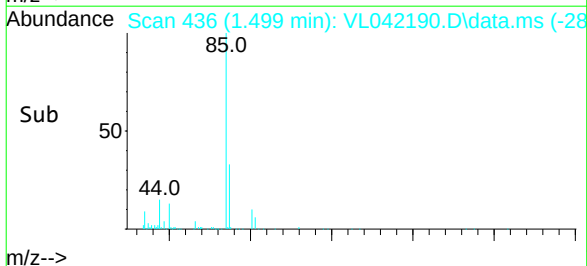
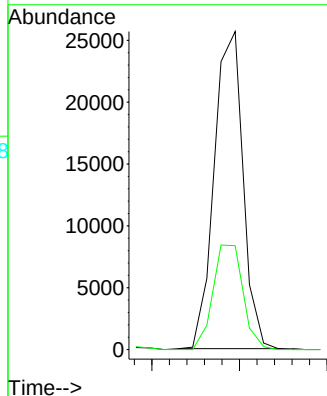
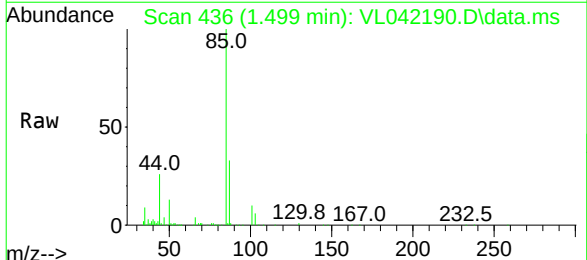
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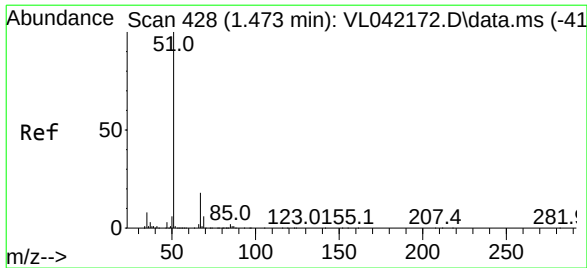
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#2
Dichlorodifluoromethane
Concen: 0.429 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24

Tgt Ion: 85 Resp: 11705
Ion Ratio Lower Upper
85 100
87 32.8 26.1 39.1





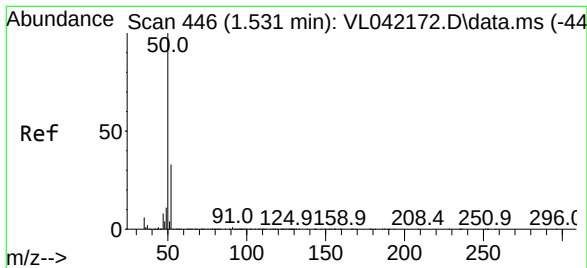
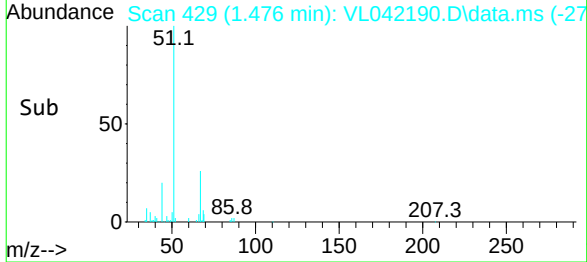
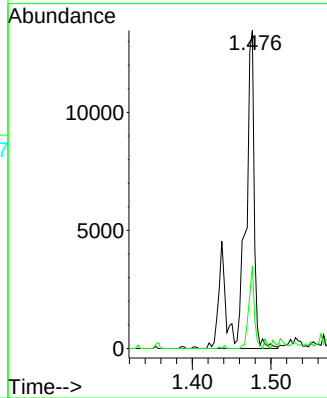
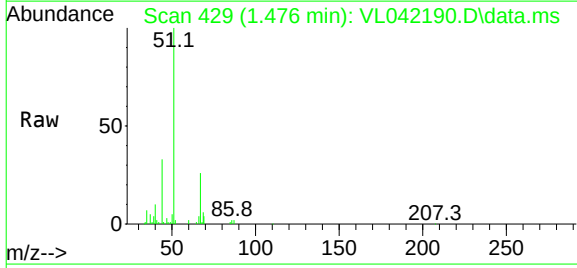
#3
Chlorodifluoromethane
Concen: 0.444 ppbv
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24

Instrument :
MSVOA_L
ClientSampleId :
AA-3-3252025DUP

Tgt Ion: 51 Resp: 12361
Ion Ratio Lower Upper
51 100
67 14.9 15.0 22.6#

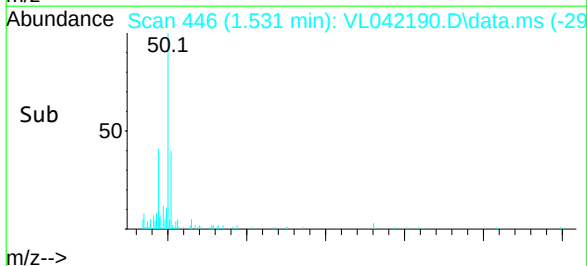
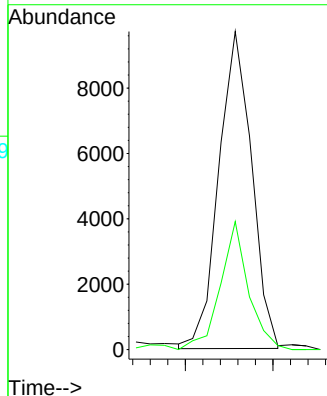
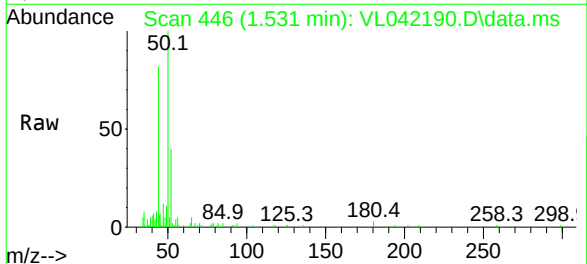
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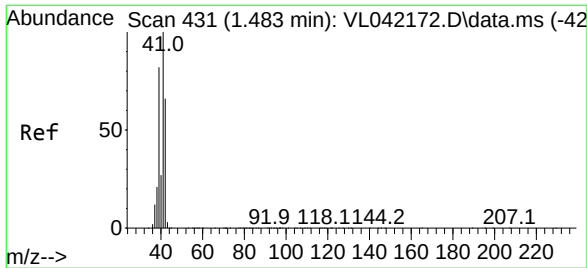
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#4
Chloromethane
Concen: 0.453 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24

Tgt Ion: 50 Resp: 5052
Ion Ratio Lower Upper
50 100
52 40.8 26.1 39.1#





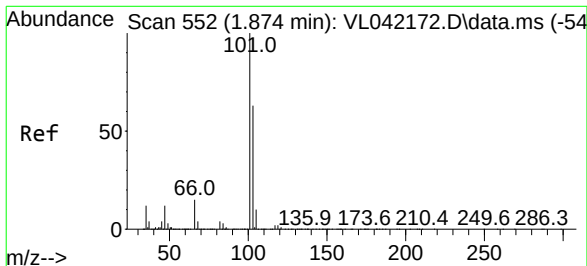
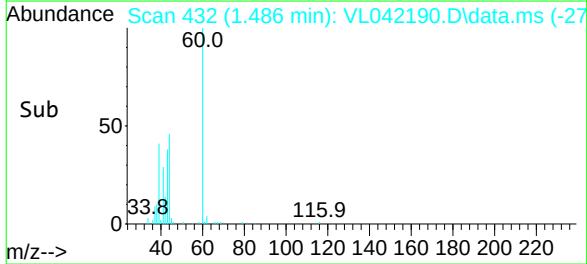
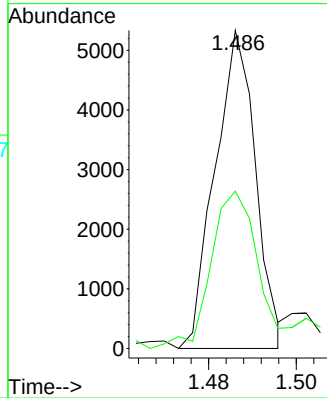
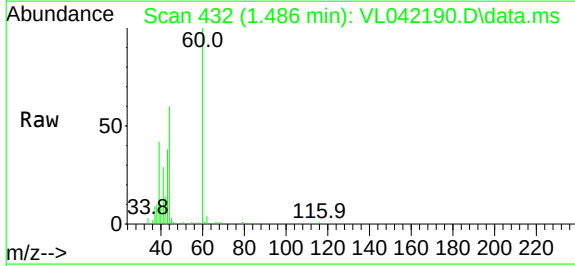
#9
Propene
Concen: 0.268 ppbv
RT: 1.486 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24

Instrument :
MSVOA_L
ClientSampleId :
AA-3-3252025DUP

Tgt Ion: 41 Resp: 3425
Ion Ratio Lower Upper
41 100
42 76.6 55.4 83.2

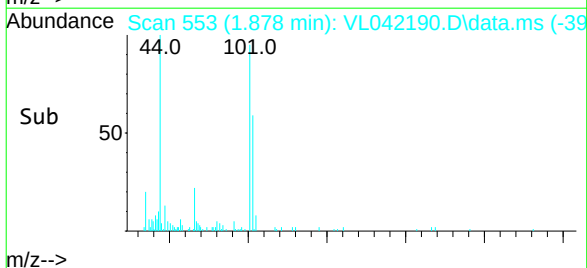
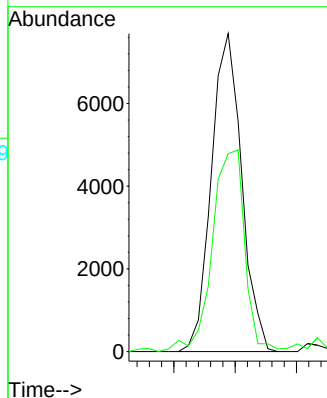
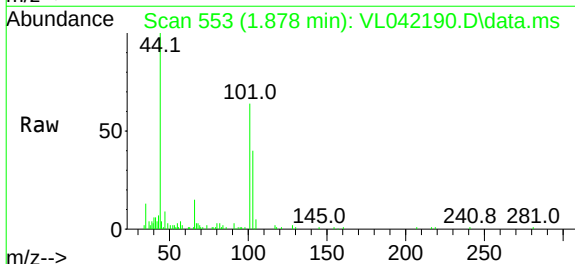
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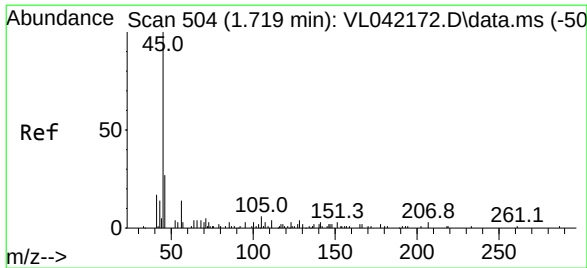
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#11
Trichlorofluoromethane
Concen: 0.199 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.003 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24

Tgt Ion:101 Resp: 5282
Ion Ratio Lower Upper
101 100
103 62.1 50.2 75.2





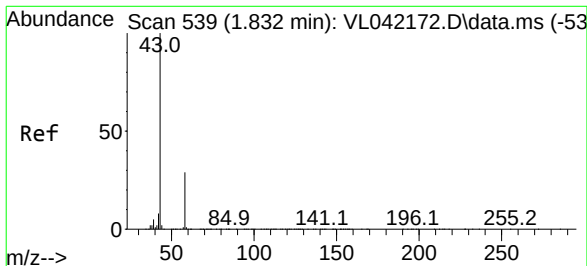
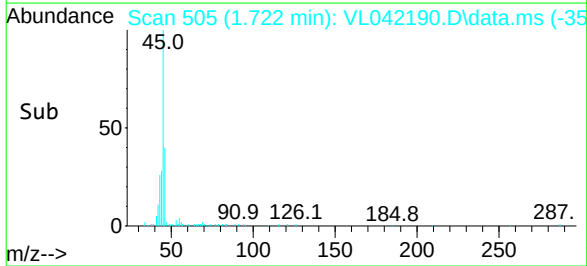
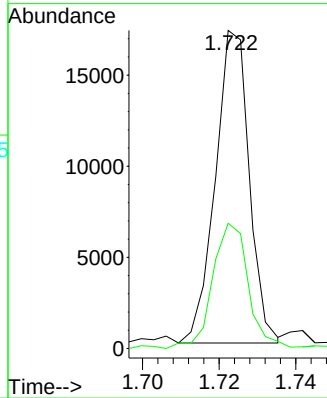
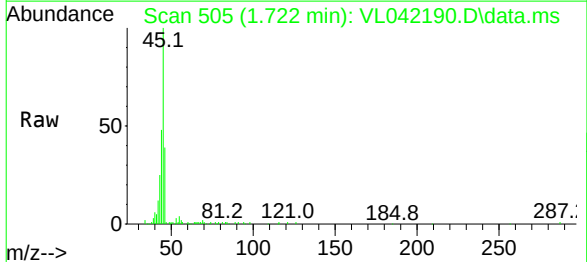
#13
Ethanol
Concen: 8.748 ppbv
RT: 1.722 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24

Instrument :
MSVOA_L
ClientSampleId :
AA-3-3252025DUP

Tgt Ion: 45 Resp: 10556
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#

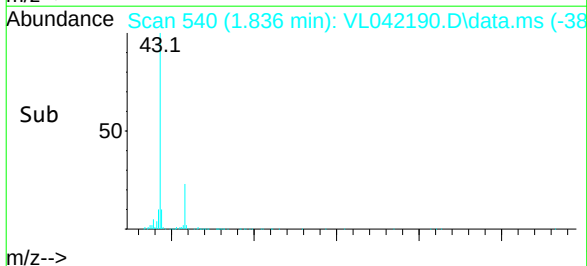
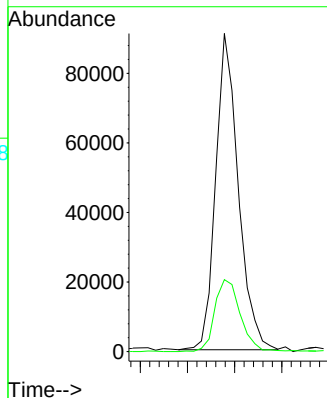
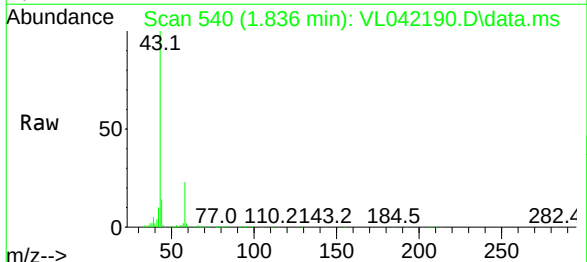
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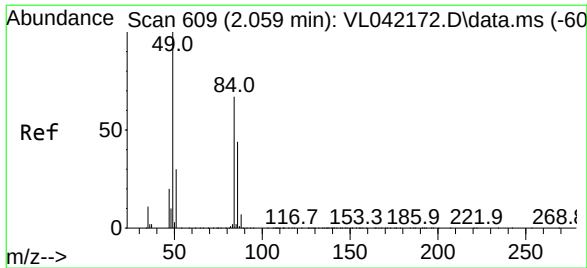
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#15
Acetone
Concen: 2.348 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24

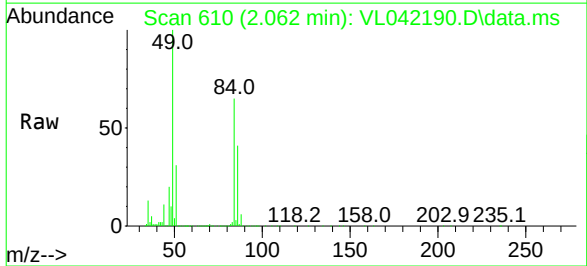
Tgt Ion: 43 Resp: 60628
Ion Ratio Lower Upper
43 100
58 25.8 23.2 34.8





#20
Methylene Chloride
Concen: 6.427 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24

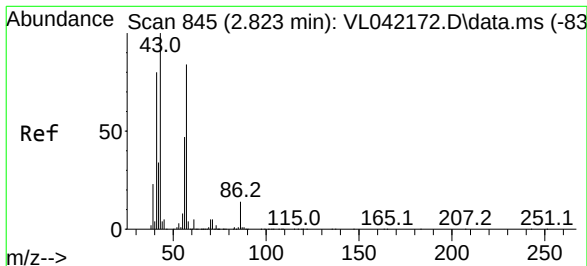
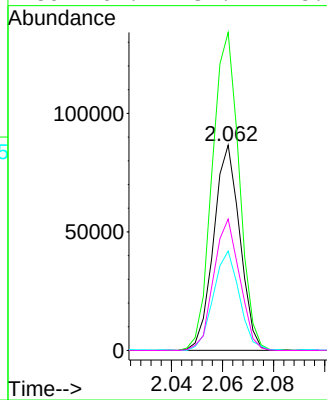
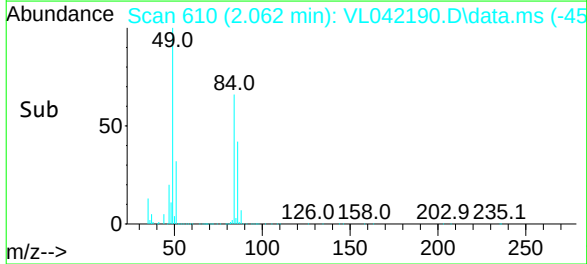
Instrument :
MSVOA_L
ClientSampleId :
AA-3-3252025DUP



Tgt Ion:	84	Resp:	61810
Ion	Ratio	Lower	Upper
84	100		
49	155.0	120.2	180.4
51	48.5	37.4	56.0
86	64.1	52.4	78.6

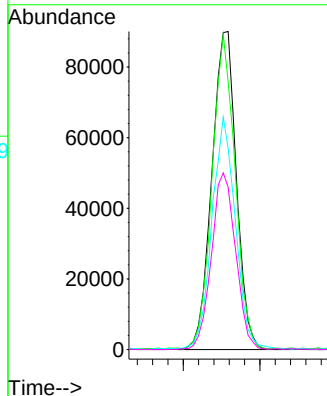
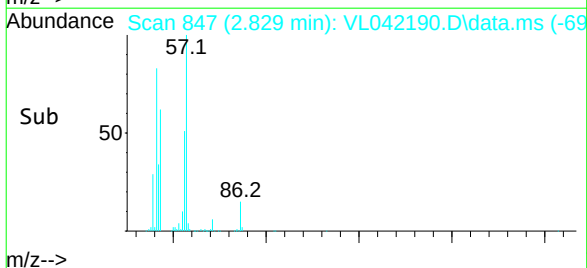
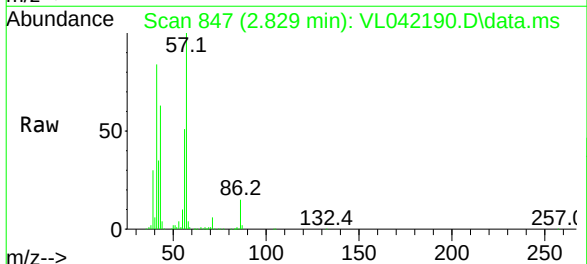
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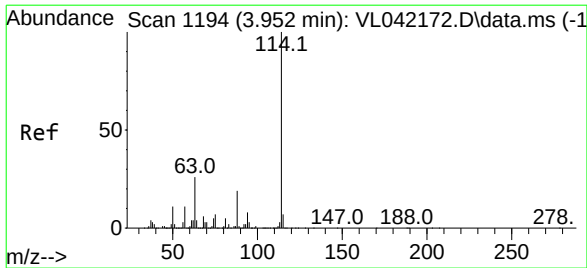
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#26
Hexane
Concen: 3.861 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24

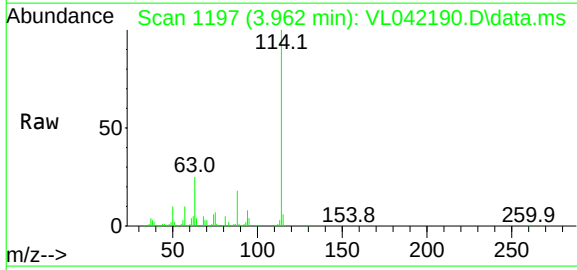
Tgt Ion:	57	Resp:	99961
Ion	Ratio	Lower	Upper
57	100		
41	93.0	76.6	114.8
43	71.0	207.8	311.8#
56	55.2	43.6	65.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.010 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24

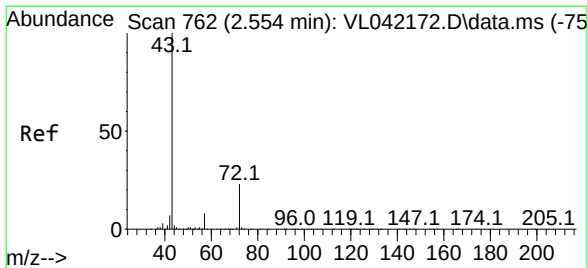
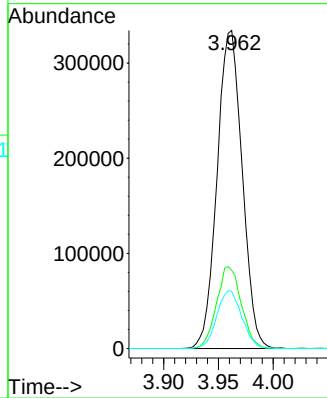
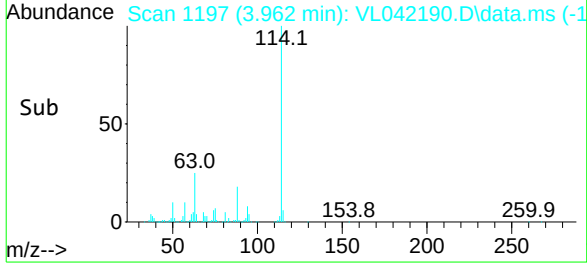
Instrument :
MSVOA_L
ClientSampleId :
AA-3-3252025DUP



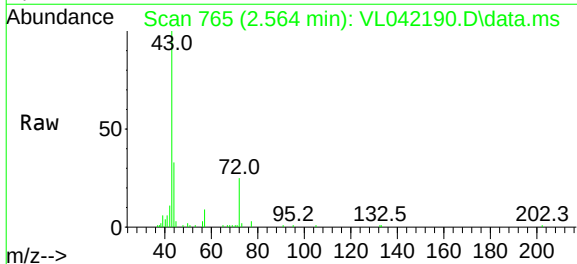
Tgt Ion: 114 Resp: 532429
Ion Ratio Lower Upper
114 100
63 25.4 20.7 31.1
88 18.1 15.0 22.4

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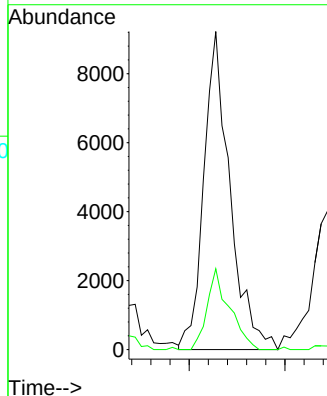
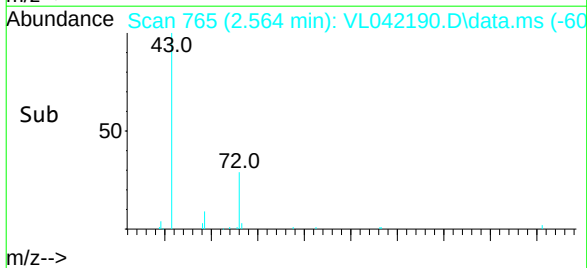
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

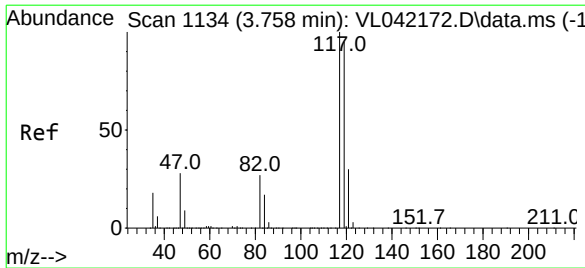


#34
2-Butanone
Concen: 0.226 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.010 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24



Tgt Ion: 43 Resp: 8734
Ion Ratio Lower Upper
43 100
72 21.9 18.2 27.2





#35

Carbon Tetrachloride

Concen: 0.066 ppbv m

RT: 3.765 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL042190.D

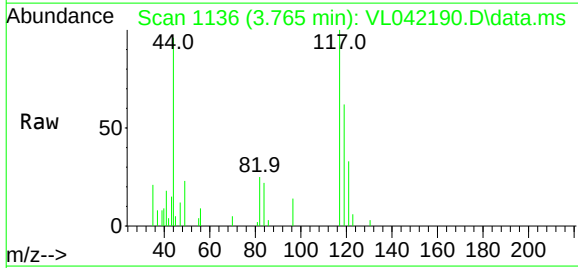
Acq: 27 Mar 2025 21:24

Instrument :

MSVOA_L

ClientSampleId :

AA-3-3252025DUP

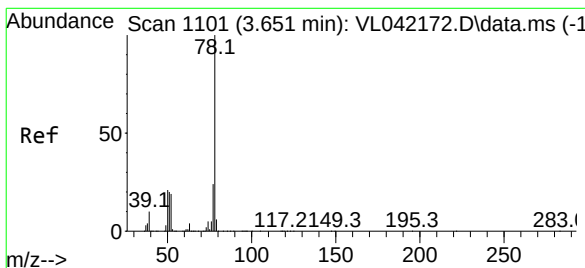
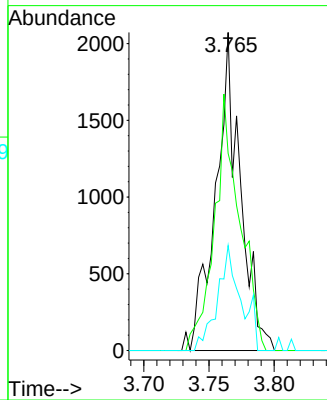
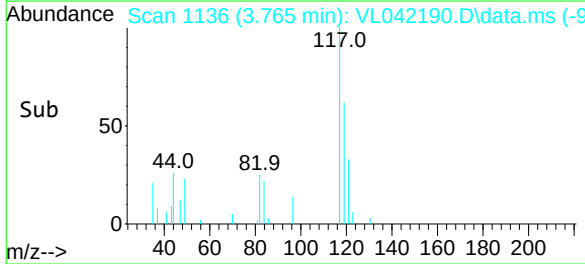


Tgt Ion:	117	Resp:	2754
Ion	Ratio	Lower	Upper
117	100		
119	62.0	76.2	114.2#
121	33.0	24.2	36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#36

Benzene

Concen: 0.147 ppbv m

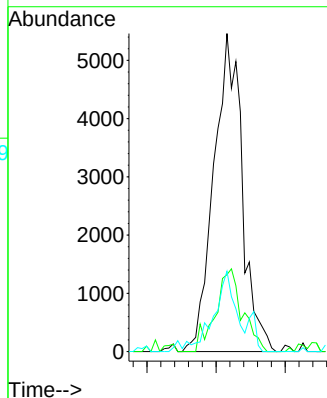
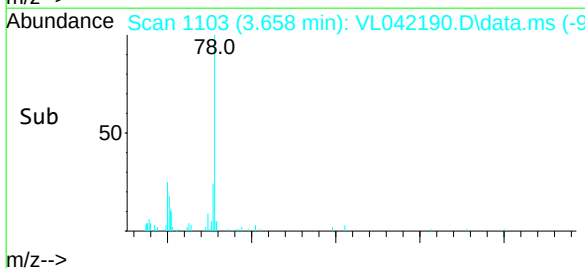
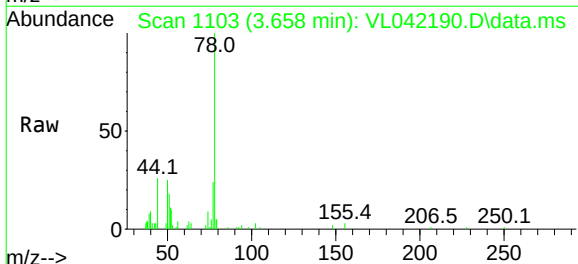
RT: 3.658 min Scan# 1103

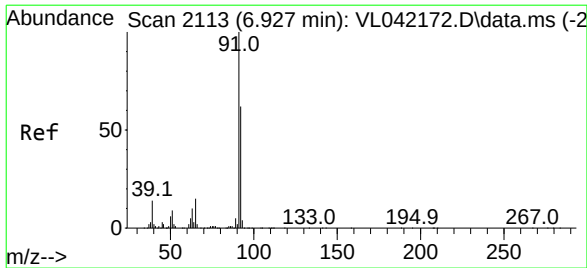
Delta R.T. 0.006 min

Lab File: VL042190.D

Acq: 27 Mar 2025 21:24

Tgt Ion:	78	Resp:	7766
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7
50	25.3	16.6	24.8#





#53

Toluene

Concen: 0.329 ppbv m

RT: 6.940 min Scan# 2113

Delta R.T. 0.013 min

Lab File: VL042190.D

Acq: 27 Mar 2025 21:24

Instrument :

MSVOA_L

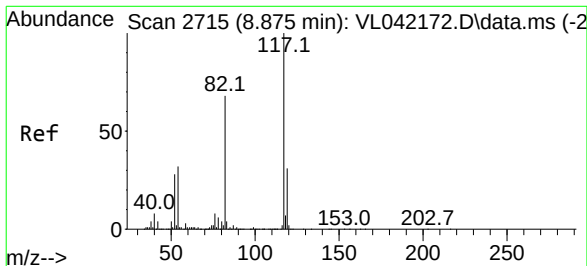
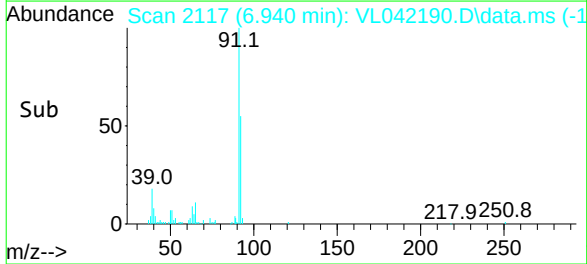
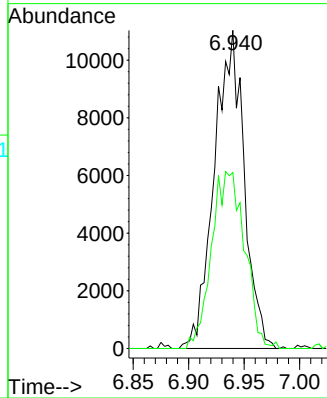
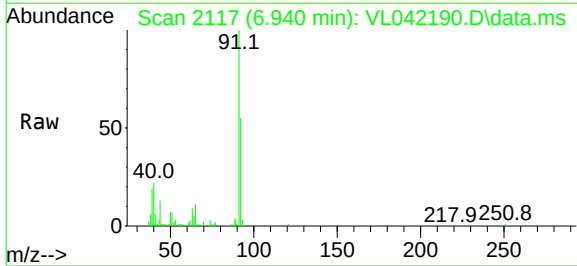
ClientSampleId :

AA-3-3252025DUP

Tgt Ion: 91 Resp: 20579
 Ion Ratio Lower Upper
 91 100
 92 61.9 48.4 72.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

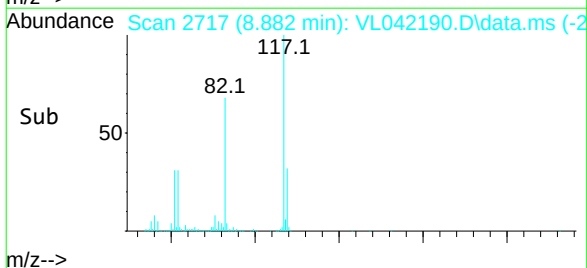
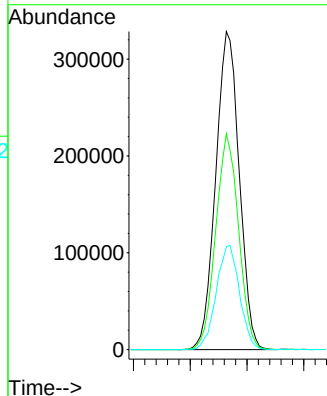
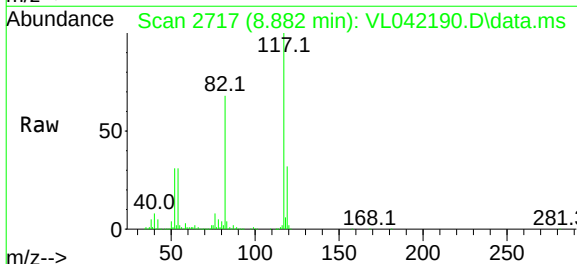
RT: 8.882 min Scan# 2717

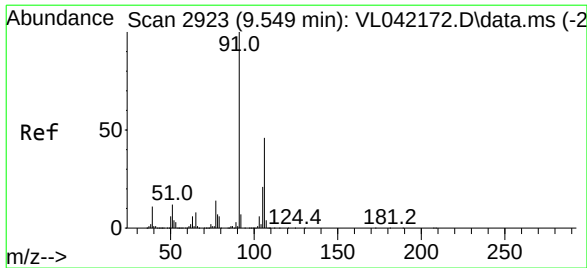
Delta R.T. 0.007 min

Lab File: VL042190.D

Acq: 27 Mar 2025 21:24

Tgt Ion:117 Resp: 472897
 Ion Ratio Lower Upper
 117 100
 82 65.8 55.8 83.6
 119 32.5 25.5 38.3





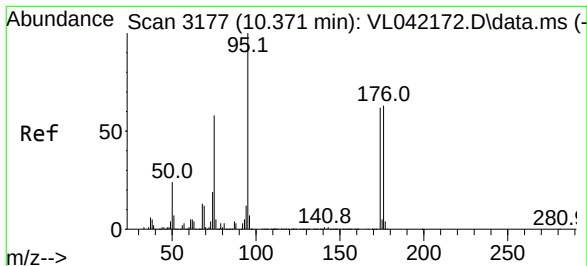
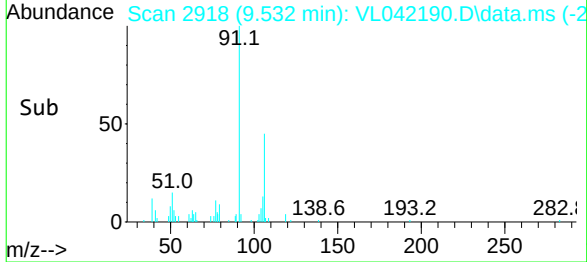
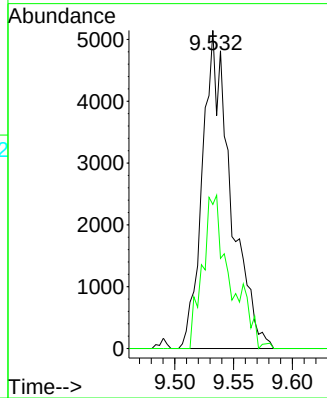
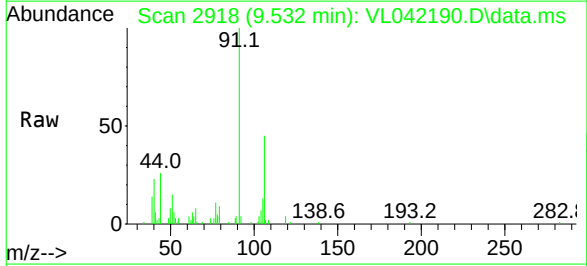
#59
m/p-Xylene
Concen: 0.128 ppbv m
RT: 9.532 min Scan# 2918
Delta R.T. -0.016 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24

Instrument :
MSVOA_L
ClientSampleId :
AA-3-3252025DUP

Tgt Ion: 91 Resp: 8618
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6

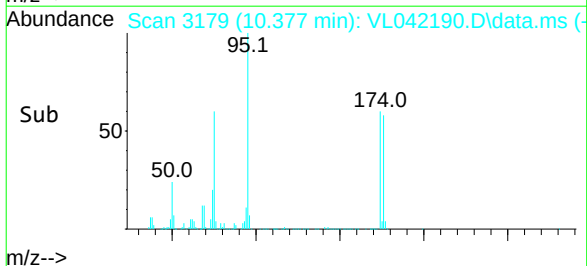
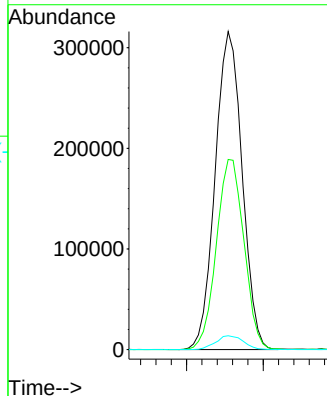
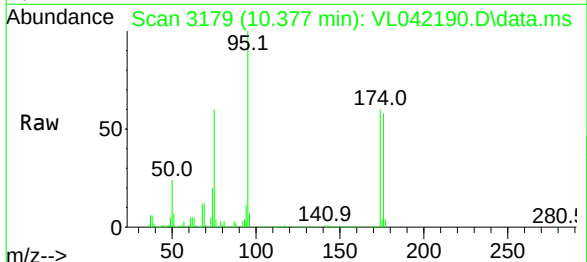
Manual Integrations
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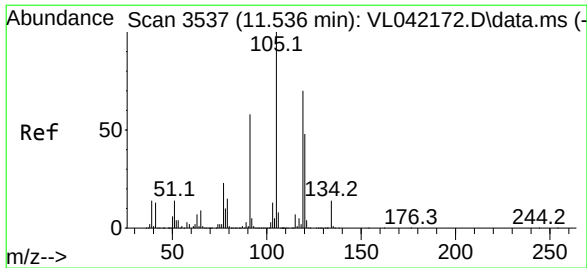
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.963 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL042190.D
Acq: 27 Mar 2025 21:24

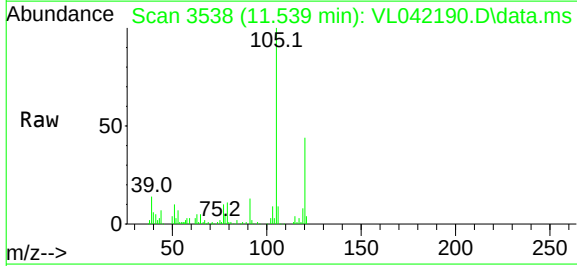
Tgt Ion: 95 Resp: 386908
Ion Ratio Lower Upper
95 100
174 61.2 50.6 76.0
175 4.5 3.8 5.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.291 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. 0.003 min
 Lab File: VL042190.D
 Acq: 27 Mar 2025 21:24

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-3-3252025DUP



Tgt Ion:	105	Resp:	24527
Ion Ratio	Lower	Upper	
105	100		
120	43.6	38.6	58.0
91	12.9	46.2	69.2
77	9.6	18.6	27.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

