

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
 Data File : VL042291.D
 Acq On : 09 Apr 2025 14:02
 Operator : SY/MD
 Sample : Q1665-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-DUP-1-3242025DUP

Quant Time: Apr 10 01:43:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/10/2025
 Supervised By : Mahesh Dadoda 04/10/2025

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

Internal Standards						
1) Bromochloromethane	2.784	49	156655	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	397453	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	332015	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	254829	9.346	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.500%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.496	85	8694	0.376	ppbv	98
3) Chlorodifluoromethane	1.473	51	7625m	0.323	ppbv	
4) Chloromethane	1.531	50	5160	0.546	ppbv	96
9) Propene	1.486	41	8735	0.807	ppbv	85
10) Heptane	4.965	43	2744m	0.095	ppbv	
11) Trichlorofluoromethane	1.878	101	5033m	0.224	ppbv	
13) Ethanol	1.719	45	13066	12.762	ppbv	82
15) Acetone	1.832	43	79514	3.629	ppbv	93
19) Isopropyl Alcohol	1.884	45	23262	1.882	ppbv #	39
20) Methylene Chloride	2.059	84	7721	0.946	ppbv	92
26) Hexane	2.823	57	29831	1.358	ppbv #	32
34) 2-Butanone	2.557	43	9468	0.329	ppbv	96
35) Carbon Tetrachloride	3.755	117	2412m	0.078	ppbv	
36) Benzene	3.655	78	9601	0.244	ppbv	99
53) Toluene	6.924	91	12958	0.277	ppbv	96
59) m/p-Xylene	9.526	91	5621m	0.119	ppbv	

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

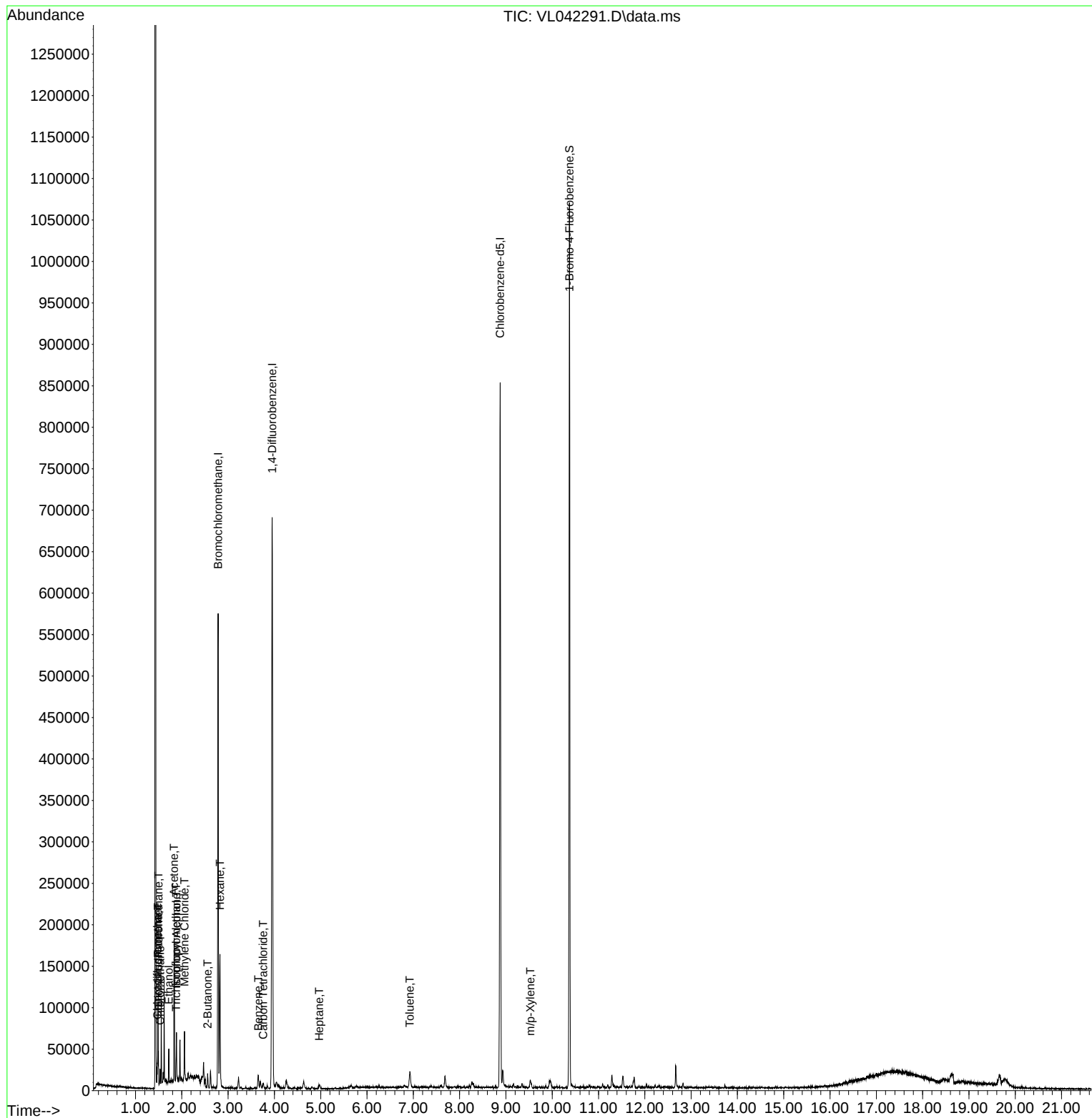
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
Data File : VL042291.D
Acq On : 09 Apr 2025 14:02
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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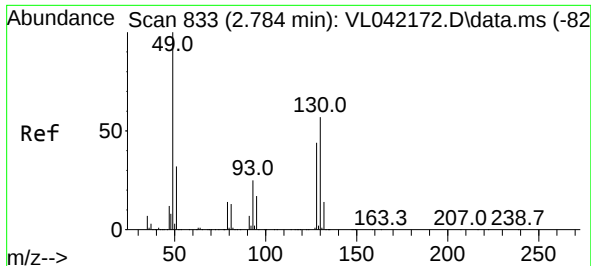
Instrument :
MSVOA_L
ClientSampleId :
AA-DUP-1-3242025DUP

Quant Time: Apr 10 01:43:41 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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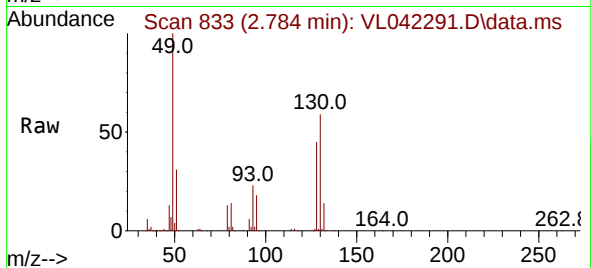
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02

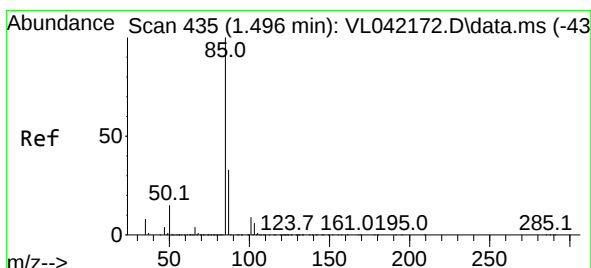
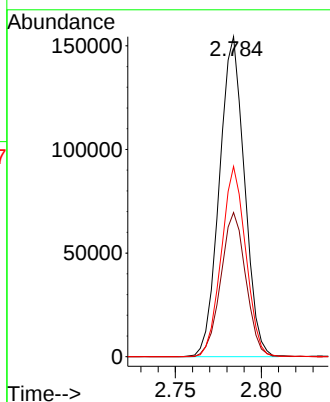
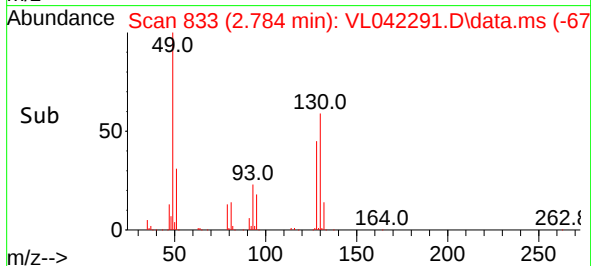
Instrument : MSVOA_L
ClientSampleId : AA-DUP-1-3242025DUP



Tgt Ion: 49 Resp: 15665
Ion Ratio Lower Upper
49 100
128 44.8 22.9 68.5
130 57.8 28.8 86.4

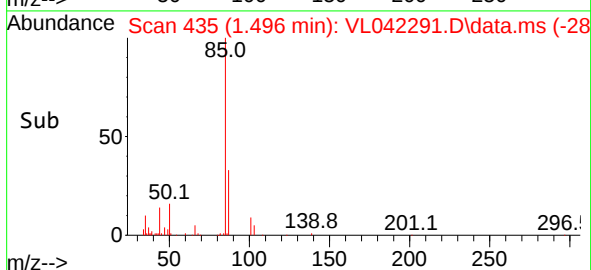
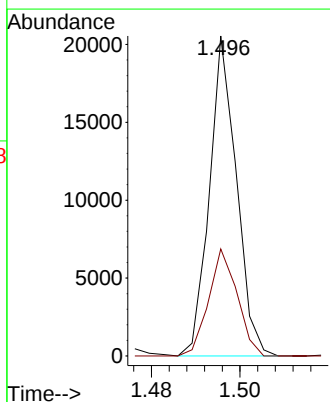
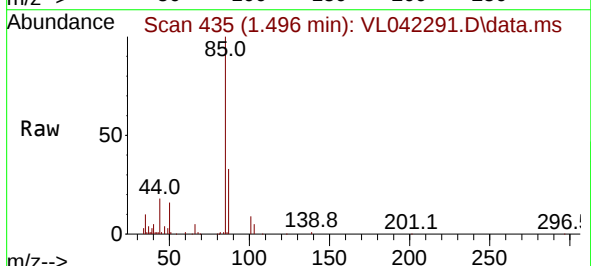
Manual Integrations
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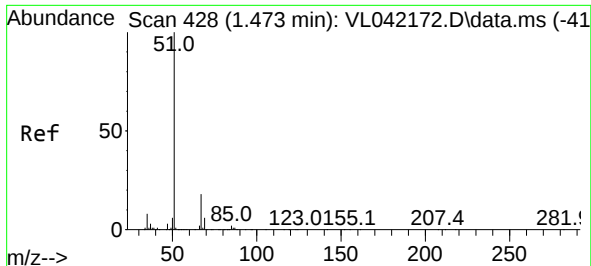
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#2
Dichlorodifluoromethane
Concen: 0.376 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02

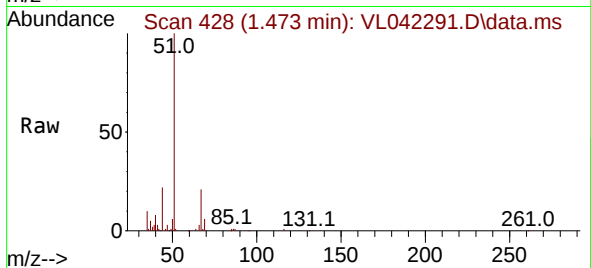
Tgt Ion: 85 Resp: 8694
Ion Ratio Lower Upper
85 100
87 33.5 26.1 39.1





#3
Chlorodifluoromethane
Concen: 0.323 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02

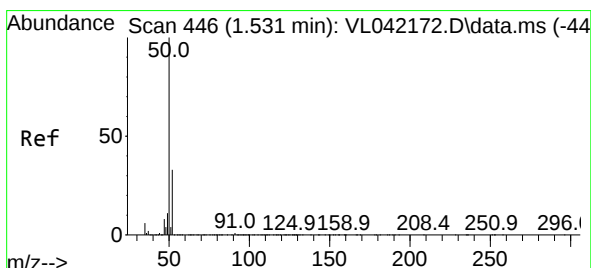
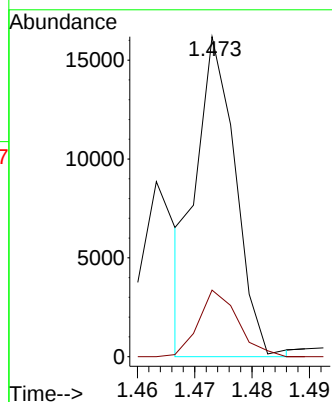
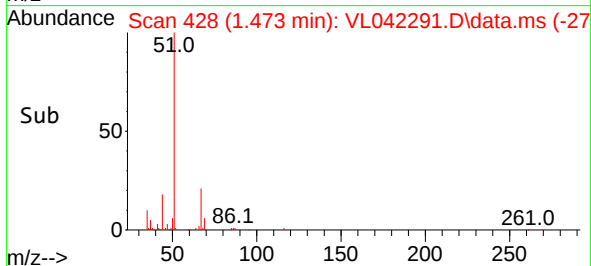
Instrument : MSVOA_L
ClientSampleId : AA-DUP-1-3242025DUP



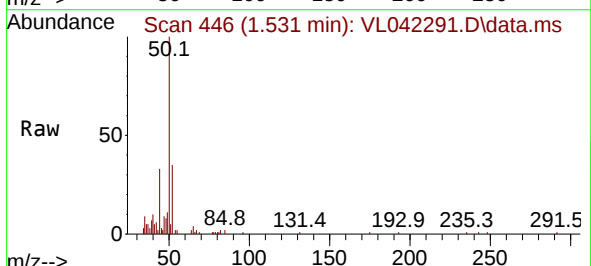
Tgt Ion: 51 Resp: 7629
Ion Ratio Lower Upper
51 100
67 2.0 15.0 22.6

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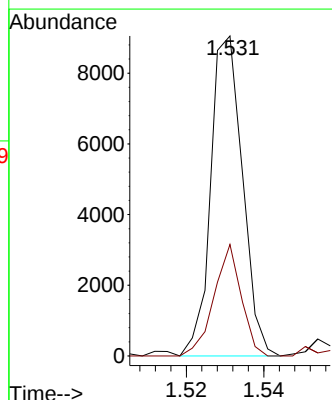
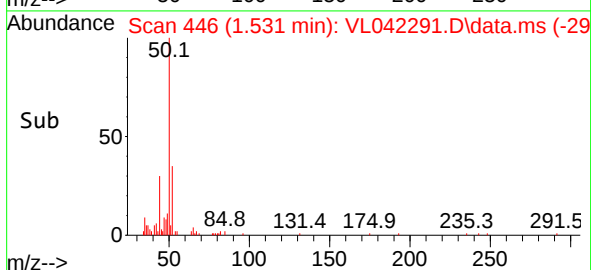
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

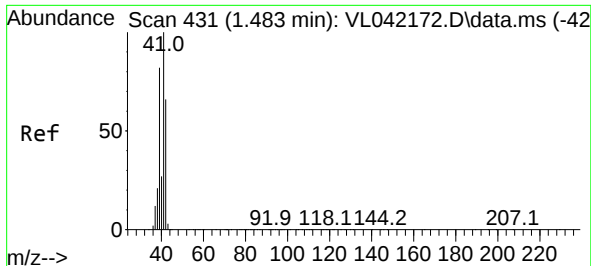


#4
Chloromethane
Concen: 0.546 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02



Tgt Ion: 50 Resp: 5160
Ion Ratio Lower Upper
50 100
52 34.9 26.1 39.1





#9

Propene

Concen: 0.807 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042291.D

Acq: 09 Apr 2025 14:02

Instrument :

MSVOA_L

ClientSampleId :

AA-DUP-1-3242025DUP

Tgt Ion: 41 Resp: 873

Ion Ratio Lower Upper

41 100

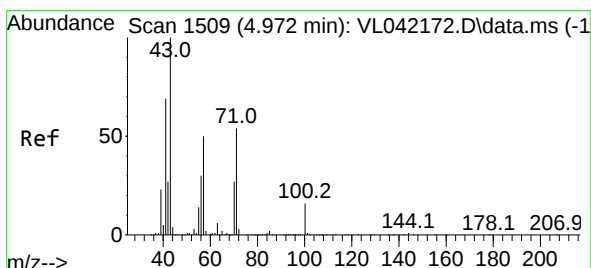
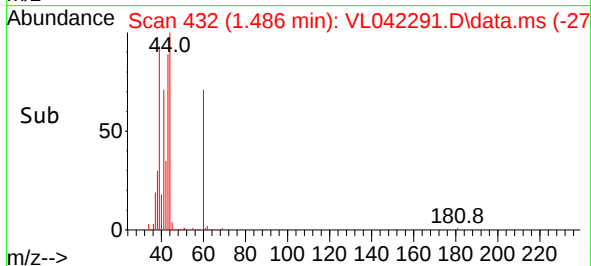
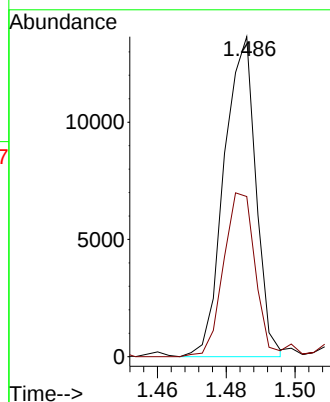
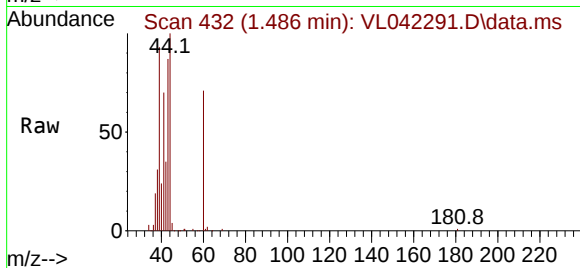
42 57.1 55.4 83.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/10/2025

Supervised By :Mahesh Dadoda 04/10/2025



#10

Heptane

Concen: 0.095 ppbv m

RT: 4.965 min Scan# 1507

Delta R.T. -0.007 min

Lab File: VL042291.D

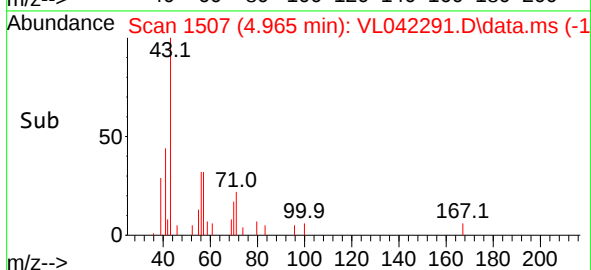
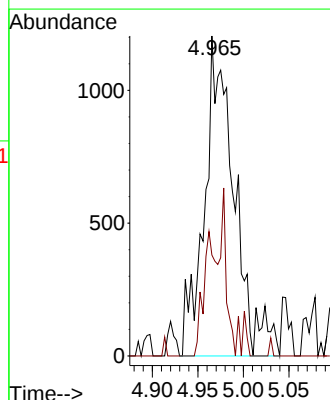
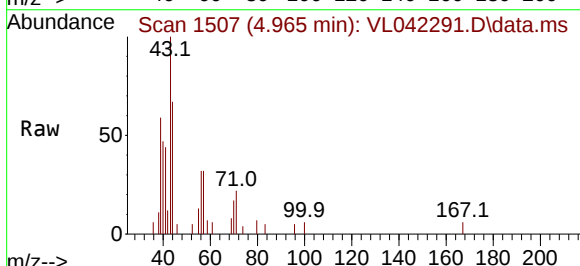
Acq: 09 Apr 2025 14:02

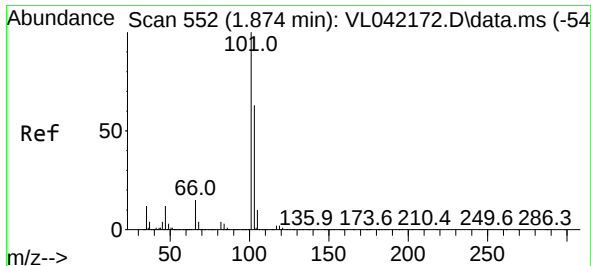
Tgt Ion: 43 Resp: 2744

Ion Ratio Lower Upper

43 100

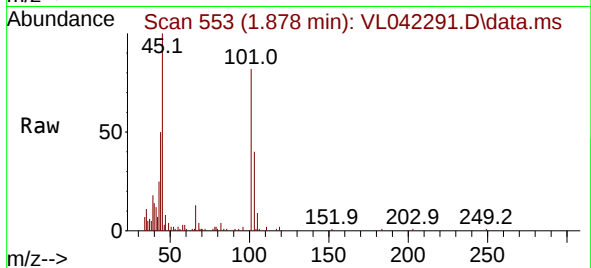
57 0.0 39.4 59.2#





#11
Trichlorofluoromethane
Concen: 0.224 ppbv m
RT: 1.878 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02

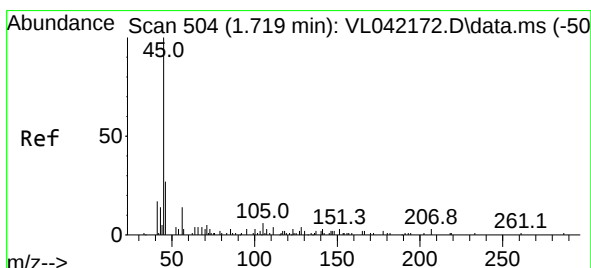
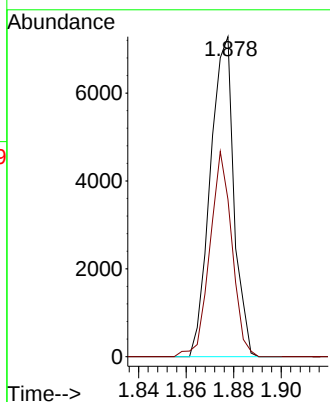
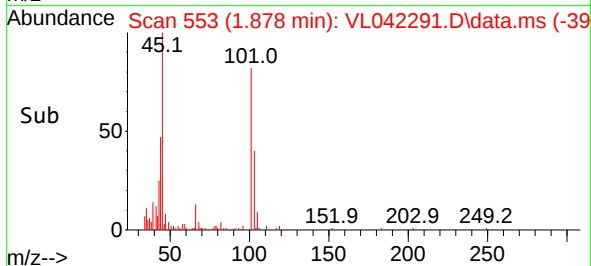
Instrument :
MSVOA_L
ClientSampleId :
AA-DUP-1-3242025DUP



Tgt Ion:101 Resp: 503
Ion Ratio Lower Upper
101 100
103 49.2 50.2 75.2

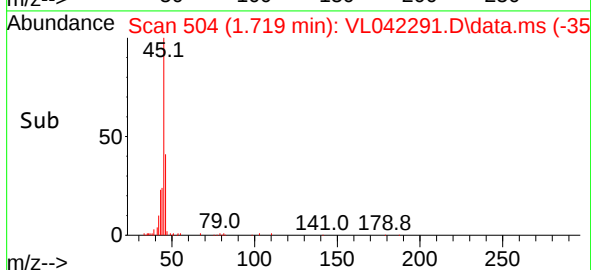
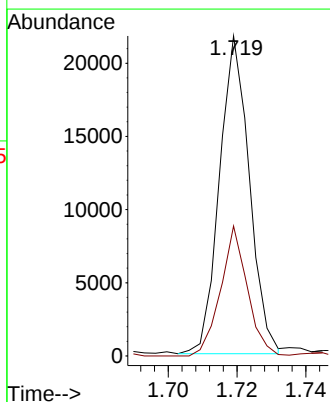
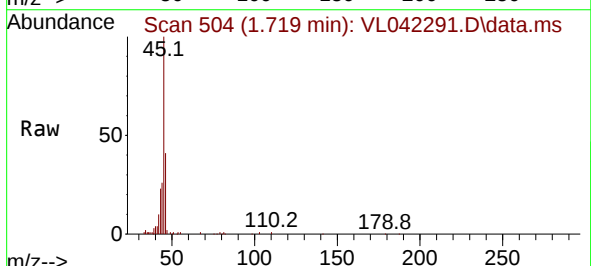
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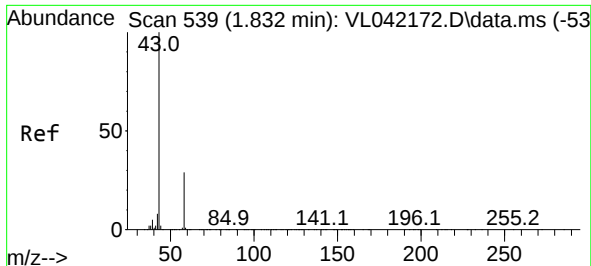
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#13
Ethanol
Concen: 12.762 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02

Tgt Ion: 45 Resp: 13066
Ion Ratio Lower Upper
45 100
46 37.8 20.2 80.8





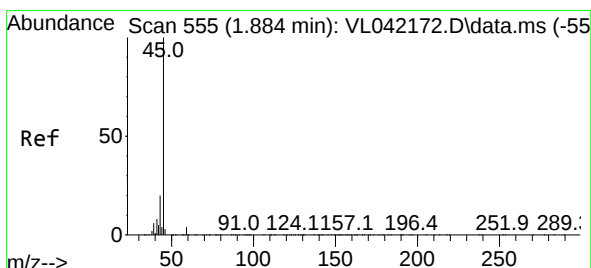
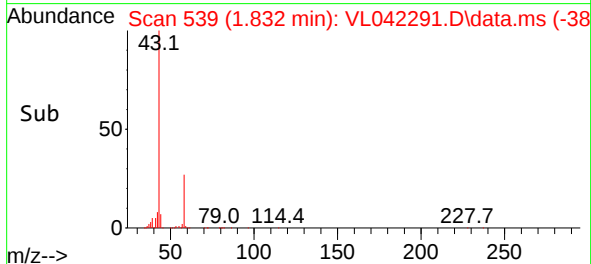
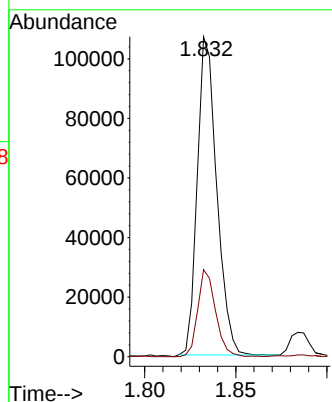
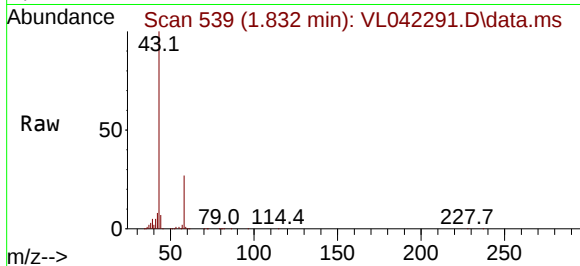
#15
Acetone
Concen: 3.629 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02

Instrument : MSVOA_L
ClientSampleId : AA-DUP-1-3242025DUP

Tgt Ion: 43 Resp: 79514
Ion Ratio Lower Upper
43 100
58 25.3 23.2 34.8

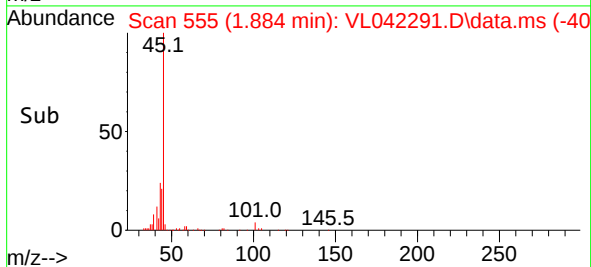
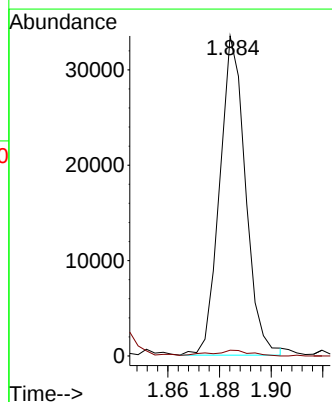
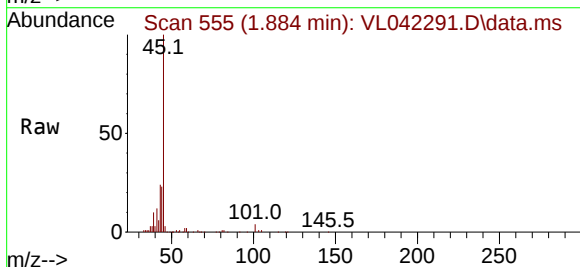
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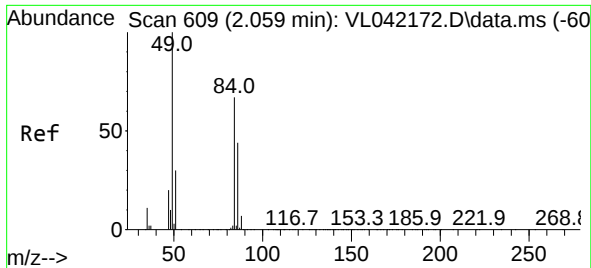
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#19
Isopropyl Alcohol
Concen: 1.882 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02

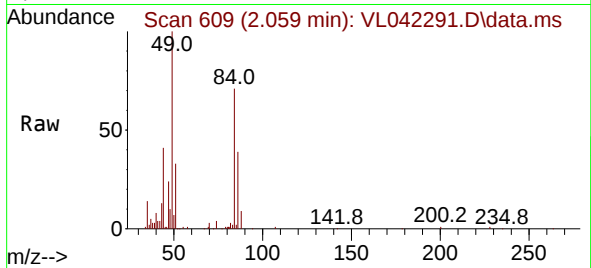
Tgt Ion: 45 Resp: 23262
Ion Ratio Lower Upper
45 100
58 86.4 36.9 55.3#





#20
Methylene Chloride
Concen: 0.946 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02

Instrument : MSVOA_L
ClientSampleId : AA-DUP-1-3242025DUP

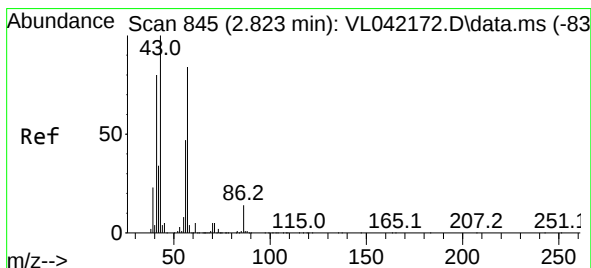
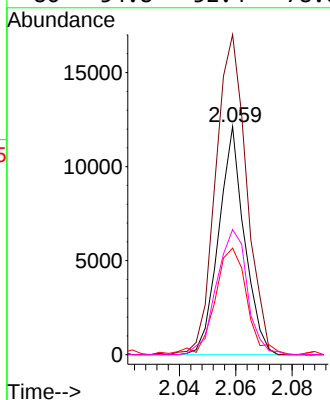
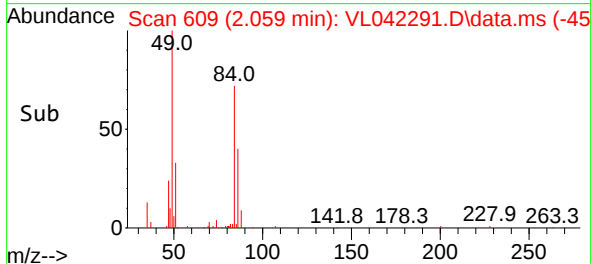


Tgt Ion: 84 Resp: 772

Ion	Ratio	Lower	Upper
84	100		
49	140.2	120.2	180.4
51	45.4	37.4	56.0
86	54.8	52.4	78.6

Manual Integrations
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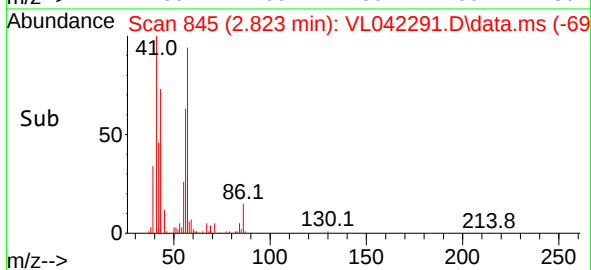
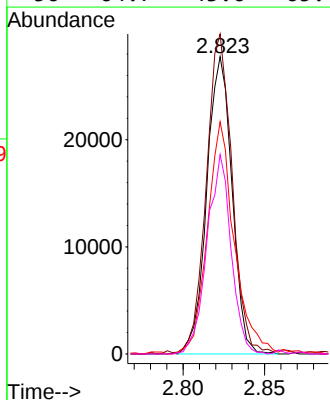
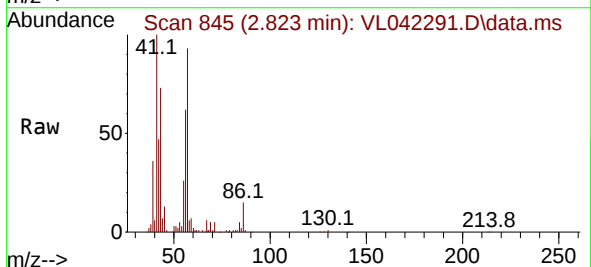
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

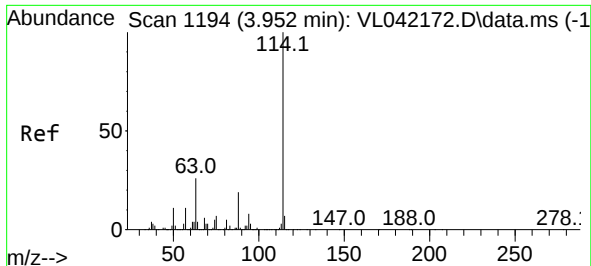


#26
Hexane
Concen: 1.358 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02

Tgt Ion: 57 Resp: 29831

Ion	Ratio	Lower	Upper
57	100		
41	111.8	76.6	114.8
43	85.5	207.8	311.8#
56	64.7	43.6	65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VL042291.D

Acq: 09 Apr 2025 14:02

Instrument :

MSVOA_L

ClientSampleId :

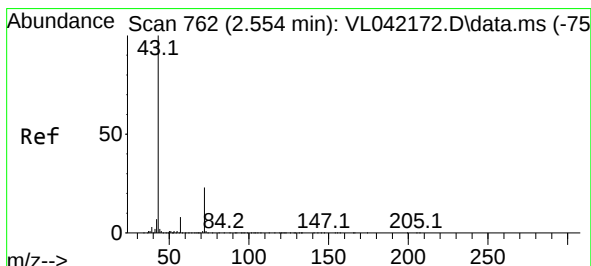
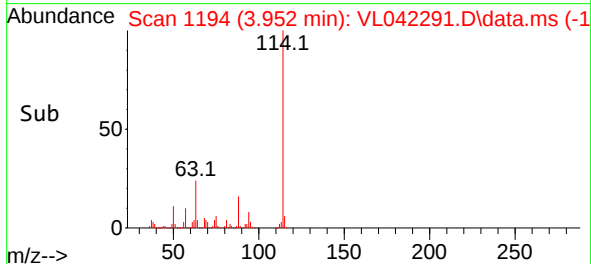
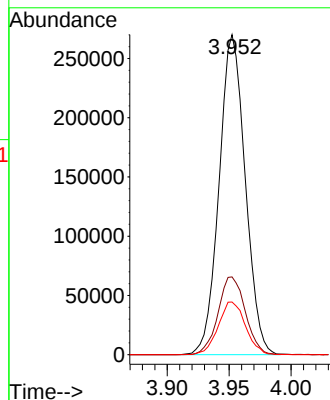
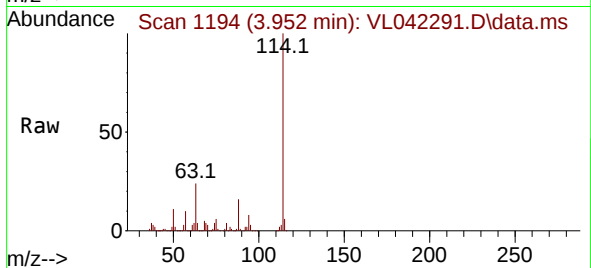
AA-DUP-1-3242025DUP

Tgt Ion:	114	Resp:	39745
Ion Ratio	Lower	Upper	
114	100		
63	25.5	20.7	31.1
88	17.2	15.0	22.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#34

2-Butanone

Concen: 0.329 ppbv

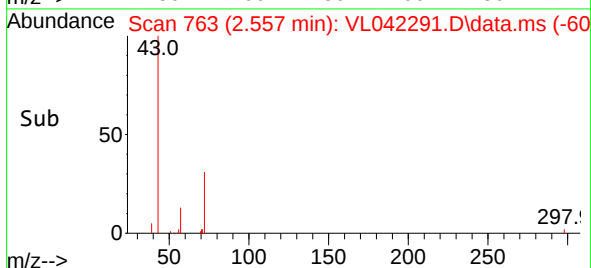
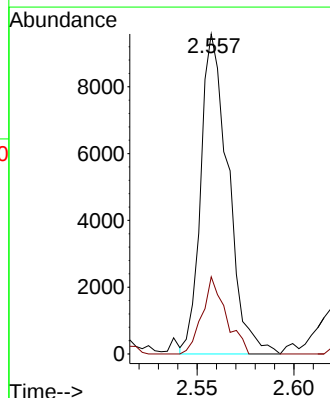
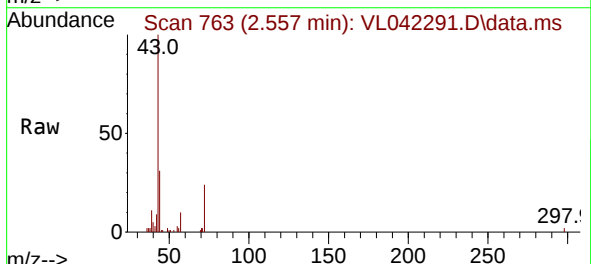
RT: 2.557 min Scan# 763

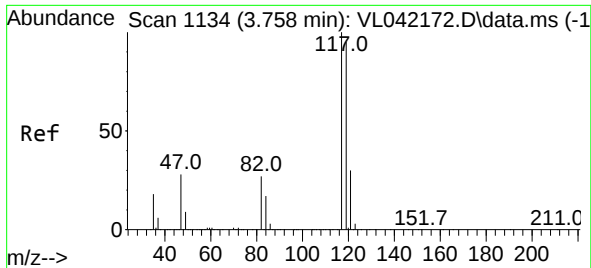
Delta R.T. 0.003 min

Lab File: VL042291.D

Acq: 09 Apr 2025 14:02

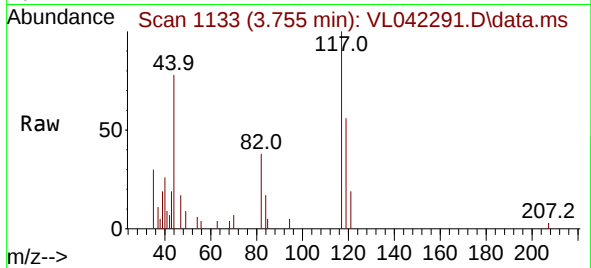
Tgt Ion:	43	Resp:	9468
Ion Ratio	Lower	Upper	
43	100		
72	20.8	18.2	27.2





#35
Carbon Tetrachloride
Concen: 0.078 ppbv m
RT: 3.755 min Scan# 1133
Delta R.T. -0.003 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02

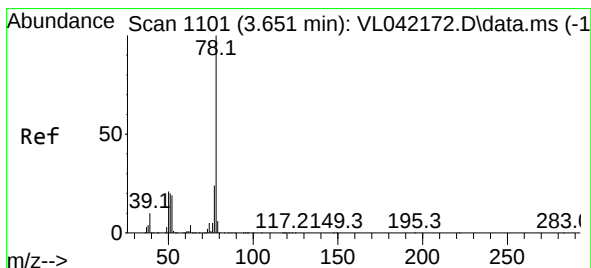
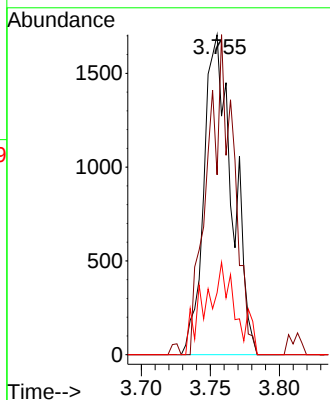
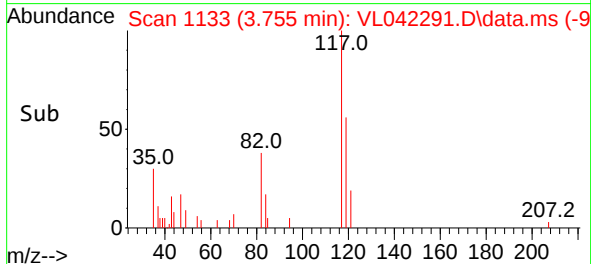
Instrument : MSVOA_L
ClientSampleId : AA-DUP-1-3242025DUP



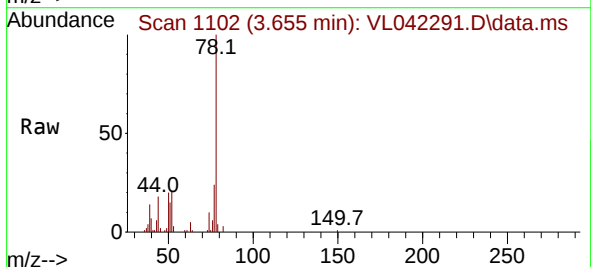
Tgt Ion:117 Resp: 2412
Ion Ratio Lower Upper
117 100
119 56.2 76.2 114.2
121 19.4 24.2 36.4

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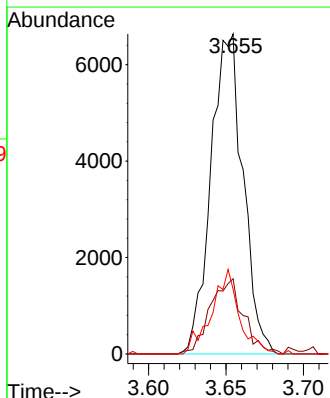
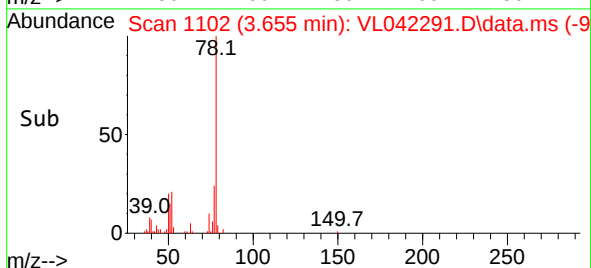
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

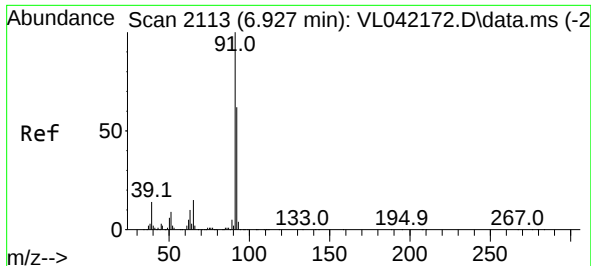


#36
Benzene
Concen: 0.244 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02



Tgt Ion: 78 Resp: 9601
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7
50 20.3 16.6 24.8





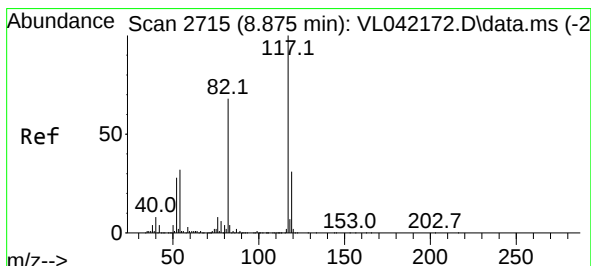
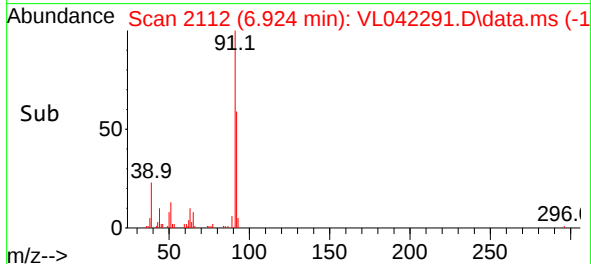
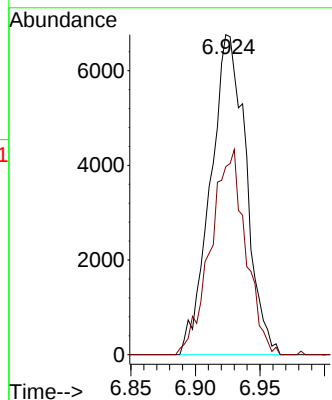
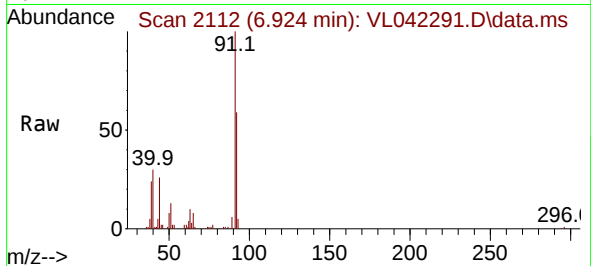
#53
Toluene
Concen: 0.277 ppbv
RT: 6.924 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02

Instrument : MSVOA_L
ClientSampleId : AA-DUP-1-3242025DUP

Tgt Ion: 91 Resp: 12958
Ion Ratio Lower Upper
91 100
92 63.2 48.4 72.6

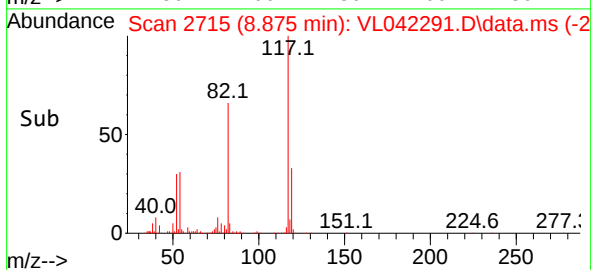
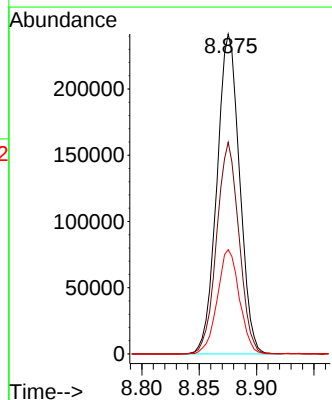
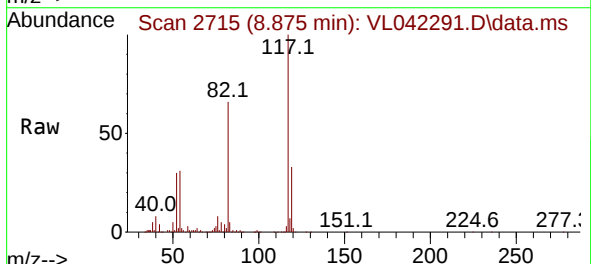
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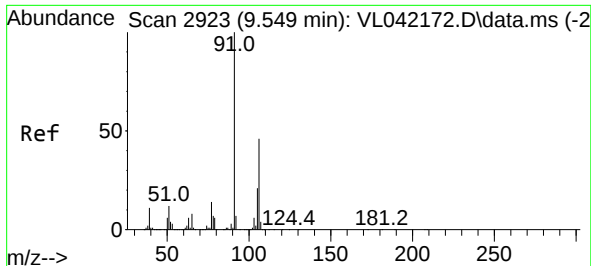
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.000 min
Lab File: VL042291.D
Acq: 09 Apr 2025 14:02

Tgt Ion:117 Resp: 332015
Ion Ratio Lower Upper
117 100
82 65.3 55.8 83.6
119 31.8 25.5 38.3





#59

m/p-Xylene

Concen: 0.119 ppbv m

RT: 9.526 min Scan# 2916

Delta R.T. -0.023 min

Lab File: VL042291.D

Acq: 09 Apr 2025 14:02

Instrument :

MSVOA_L

ClientSampleId :

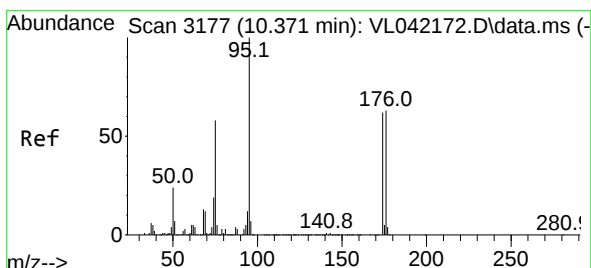
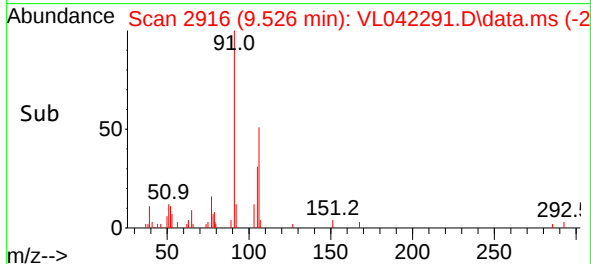
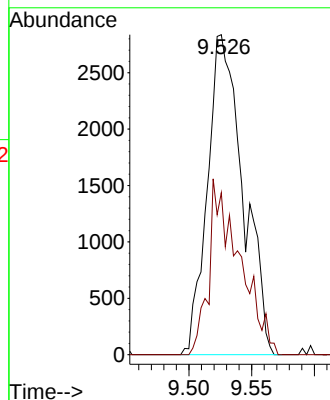
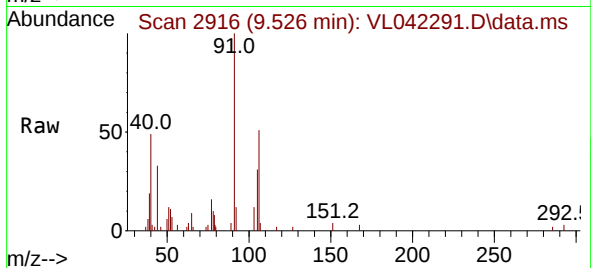
AA-DUP-1-3242025DUP

Tgt Ion: 91 Resp: 562
 Ion Ratio Lower Upper
 91 100
 106 0.0 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2025
 Supervised By :Mahesh Dadoda 04/10/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.346 ppbv

RT: 10.371 min Scan# 3177

Delta R.T. -0.000 min

Lab File: VL042291.D

Acq: 09 Apr 2025 14:02

Tgt Ion: 95 Resp: 254829
 Ion Ratio Lower Upper
 95 100
 174 62.4 50.6 76.0
 175 4.5 3.8 5.6

