

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
 Data File : VL042674.D
 Acq On : 27 Jun 2025 11:30
 Operator : SY/MD
 Sample : Q2432-01 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025

Quant Time: Jun 27 23:02:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	116857	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	298488	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	274601	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	213051	10.350	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.500%	
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.470	51	5911	0.299	ppbv	99
9) Propene	1.480	41	4952	0.622	ppbv	95
10) Heptane	4.972	43	10506m	0.468	ppbv	
13) Ethanol	1.722	45	1541m	1.623	ppbv	
15) Acetone	1.836	43	34981	2.485	ppbv	97
26) Hexane	2.826	57	40228	2.298	ppbv #	39
29) Chloroform	2.849	83	10081	0.443	ppbv	88
34) 2-Butanone	2.557	43	32658	1.534	ppbv	99
36) Benzene	3.651	78	8711	0.296	ppbv #	89
38) Trichloroethene	4.541	130	603m	0.048	ppbv	
52) Tetrachloroethene	8.221	164	483973	44.063	ppbv	97
53) Toluene	6.927	91	19125	0.563	ppbv	97
59) m/p-Xylene	9.526	91	19208	0.524	ppbv	96
60) o-Xylene	9.960	91	10309	0.282	ppbv	87
74) 1,2,4-Trimethylbenzene	11.533	105	6547	0.156	ppbv #	65

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

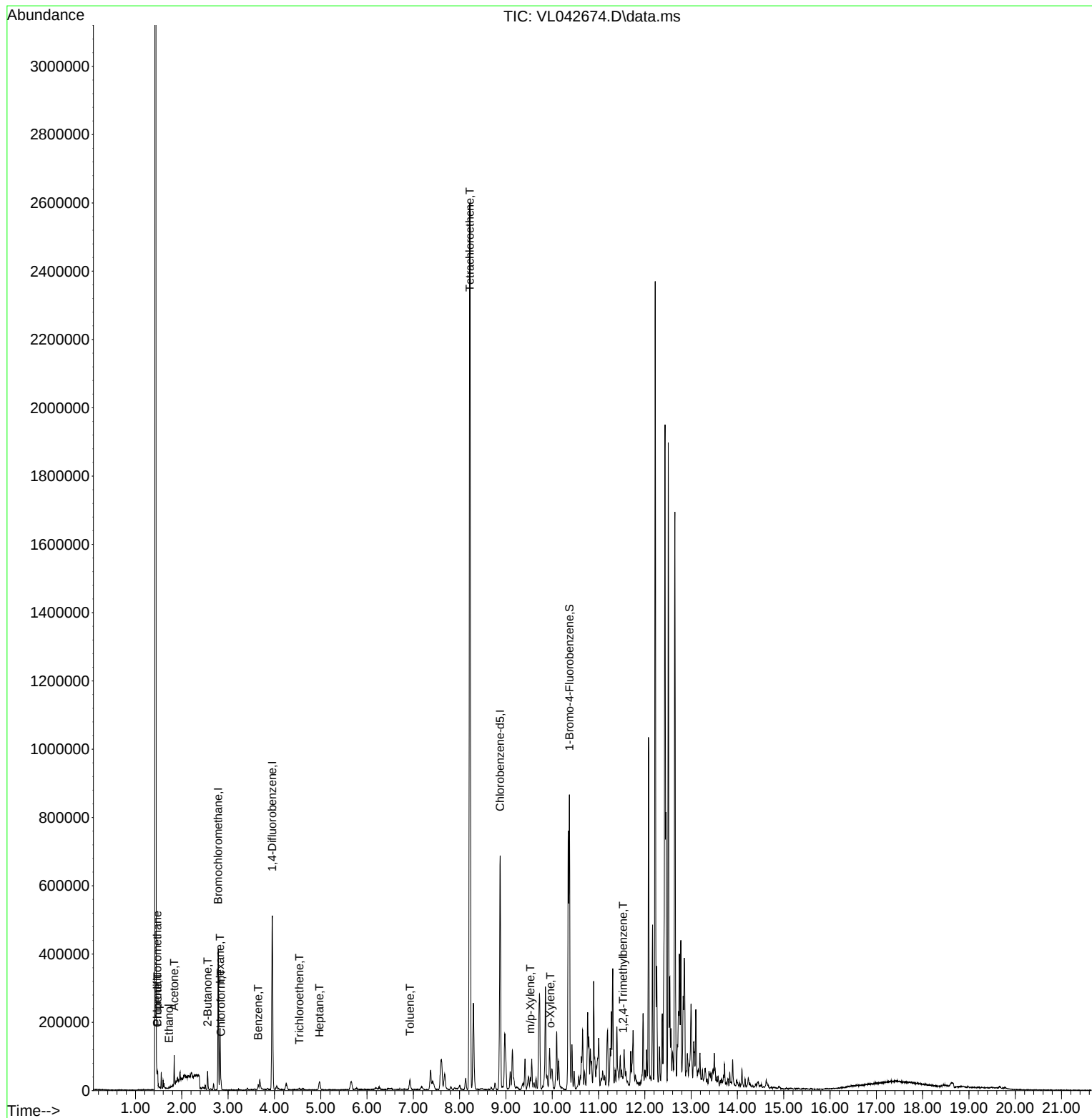
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
Data File : VL042674.D
Acq On : 27 Jun 2025 11:30
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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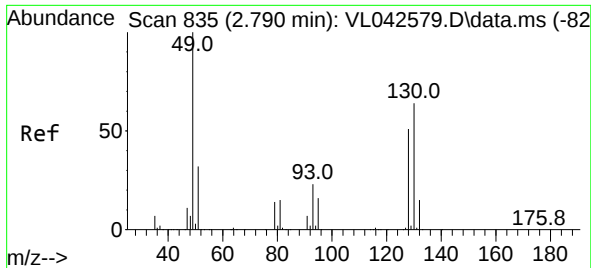
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jun 27 23:02:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Manual Integrations
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Supervised By :Mahesh Dadoda 06/30/2025





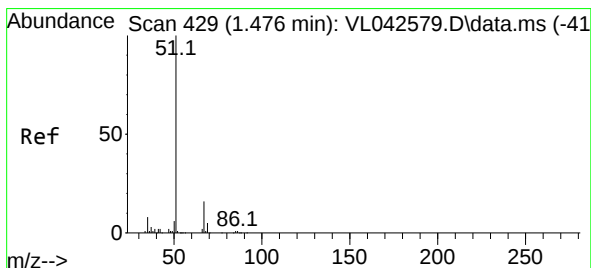
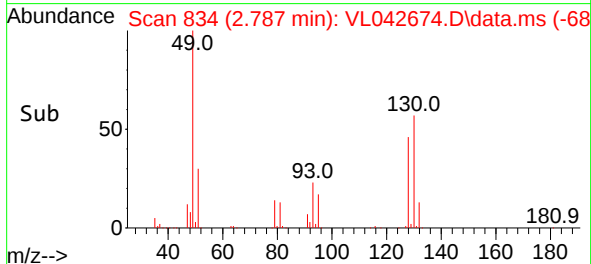
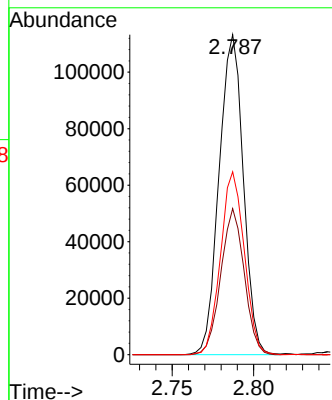
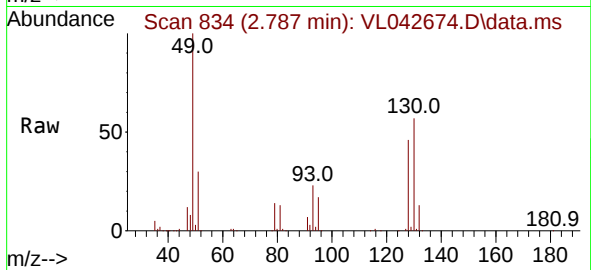
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042674.D
Acq: 27 Jun 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 11685
Ion Ratio Lower Upper
49 100
128 44.2 24.2 72.6
130 56.2 30.4 91.2

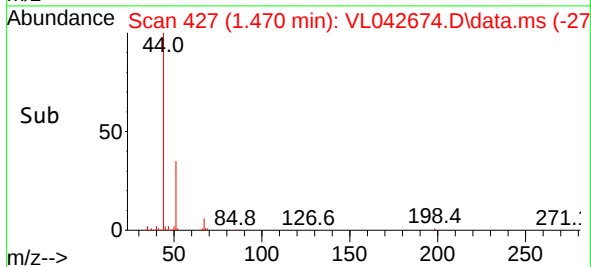
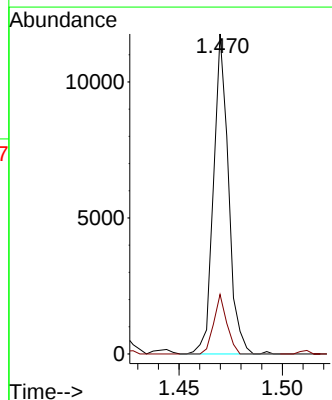
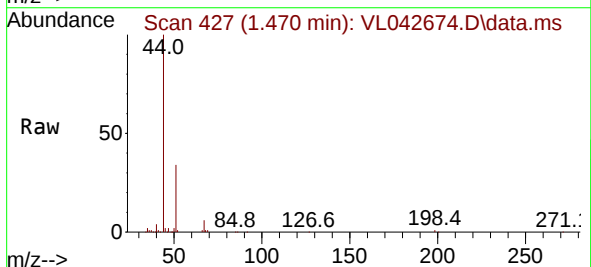
Manual Integrations
APPROVED

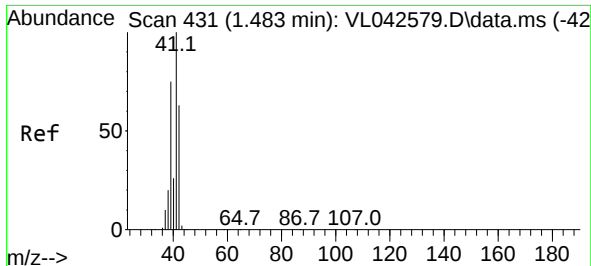
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#3
Chlorodifluoromethane
Concen: 0.299 ppbv
RT: 1.470 min Scan# 427
Delta R.T. -0.006 min
Lab File: VL042674.D
Acq: 27 Jun 2025 11:30

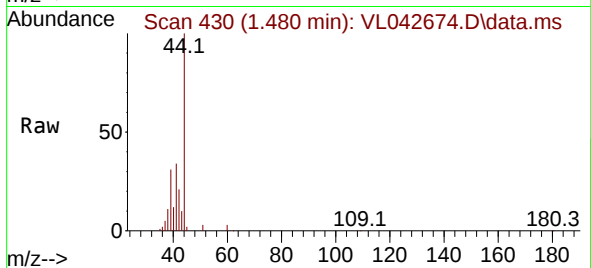
Tgt Ion: 51 Resp: 5911
Ion Ratio Lower Upper
51 100
67 16.3 13.4 20.2





#9
 Propene
 Concen: 0.622 ppbv
 RT: 1.480 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042674.D
 Acq: 27 Jun 2025 11:30

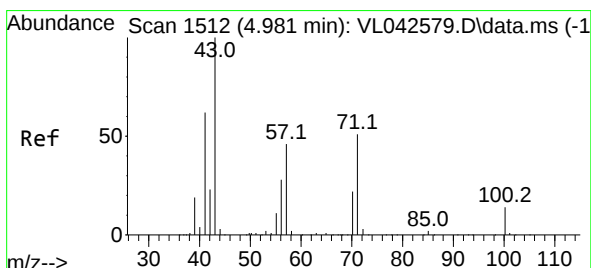
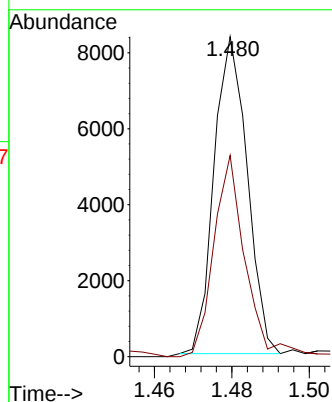
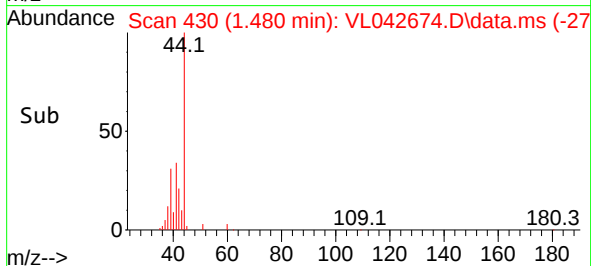
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion: 41 Resp: 4952
 Ion Ratio Lower Upper
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 42 70.2 53.3 79.9

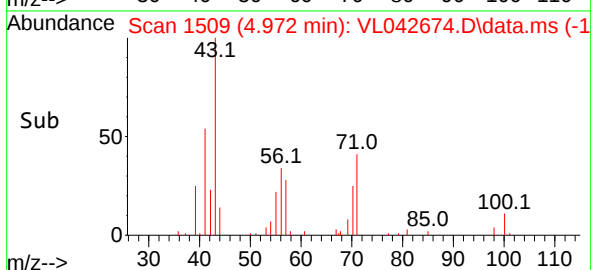
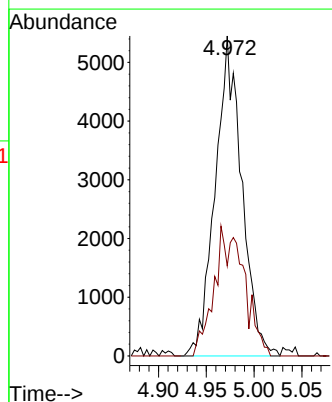
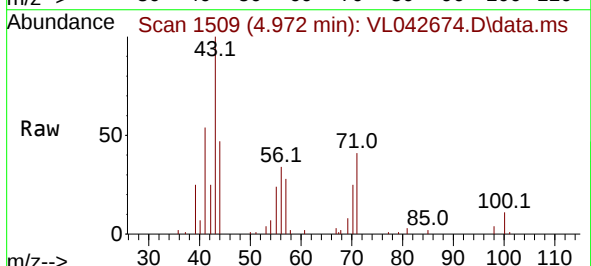
Manual Integrations
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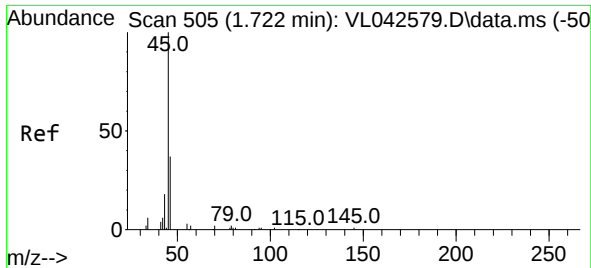
Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#10
 Heptane
 Concen: 0.468 ppbv m
 RT: 4.972 min Scan# 1509
 Delta R.T. -0.010 min
 Lab File: VL042674.D
 Acq: 27 Jun 2025 11:30

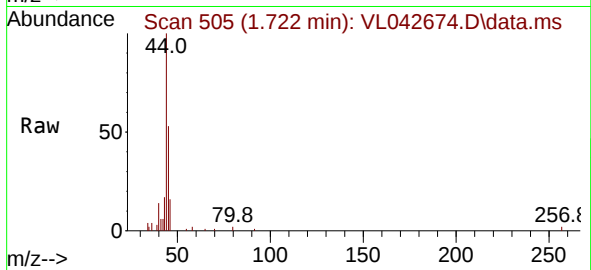
Tgt Ion: 43 Resp: 10506
 Ion Ratio Lower Upper
 43 100
 57 0.0 38.9 58.3#





#13
Ethanol
Concen: 1.623 ppbv m
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042674.D
Acq: 27 Jun 2025 11:30

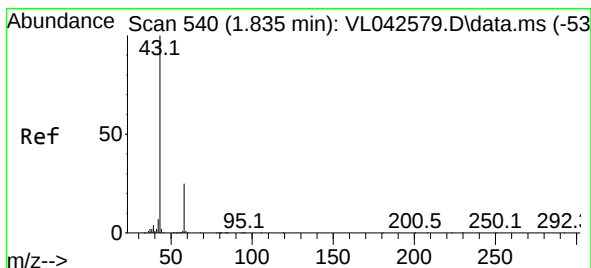
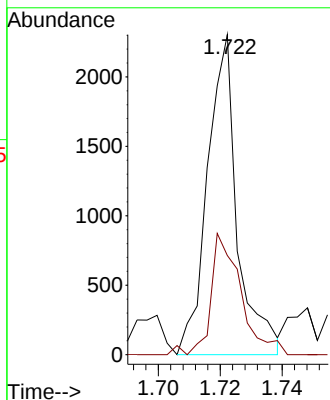
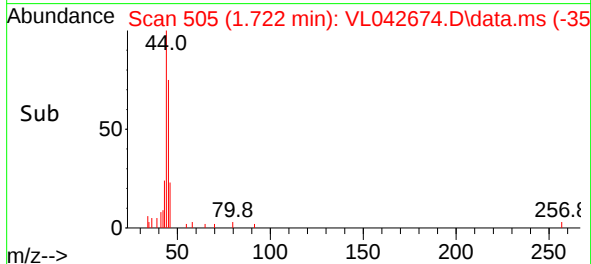
Instrument :
MSVOA_L
ClientSampleId :
SV1



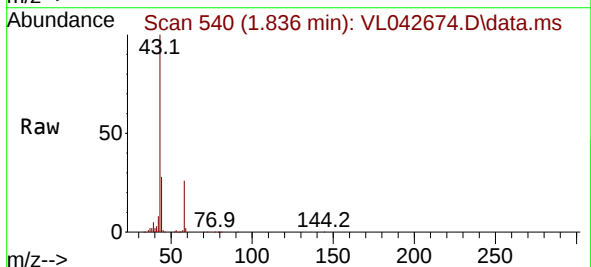
Tgt Ion: 45 Resp: 154
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1

Manual Integrations
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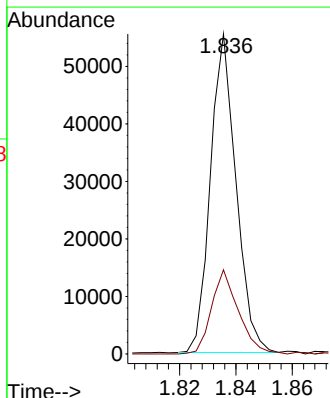
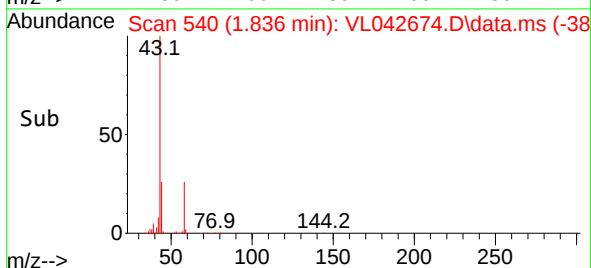
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

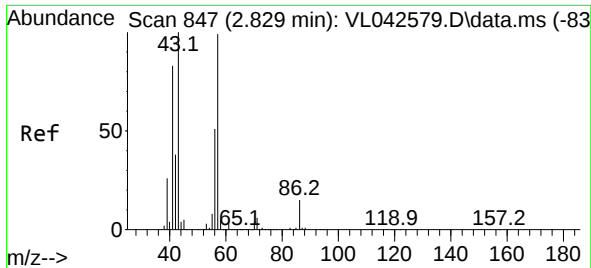


#15
Acetone
Concen: 2.485 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042674.D
Acq: 27 Jun 2025 11:30



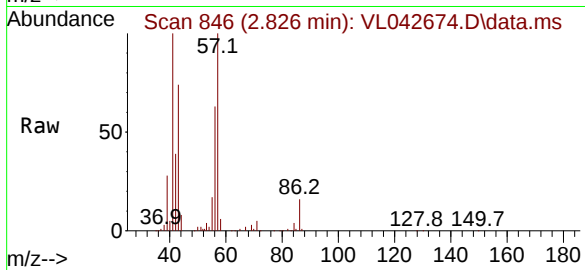
Tgt Ion: 43 Resp: 34981
Ion Ratio Lower Upper
43 100
58 28.0 21.0 31.4





#26
Hexane
Concen: 2.298 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042674.D
Acq: 27 Jun 2025 11:30

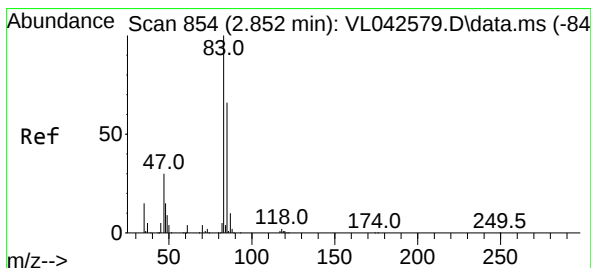
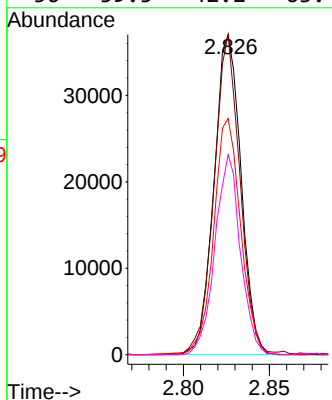
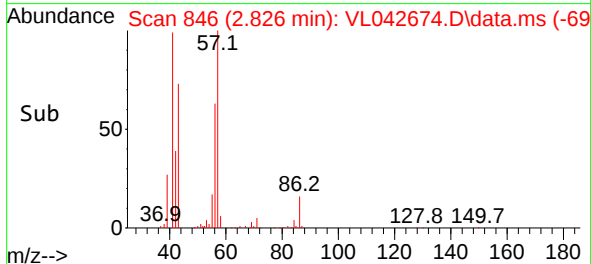
Instrument : MSVOA_L
ClientSampleId : SV1



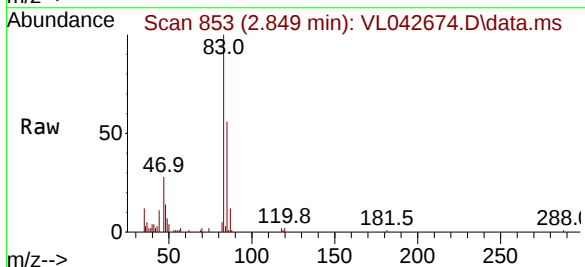
Tgt Ion: 57 Resp: 40228
Ion Ratio Lower Upper
57 100
41 97.3 70.6 106.0
43 74.2 181.1 271.7
56 59.5 42.2 63.4

Manual Integrations
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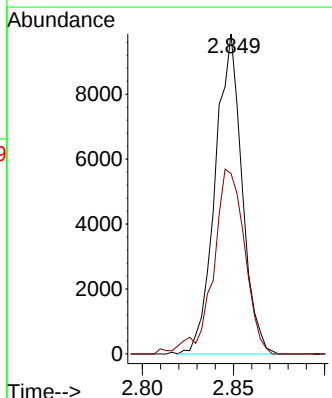
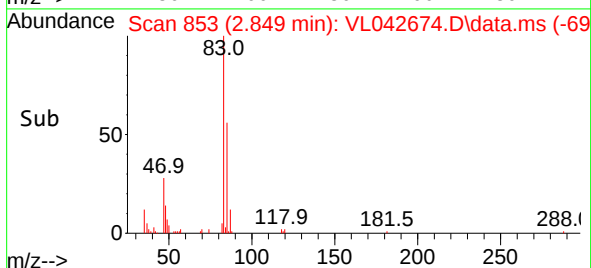
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

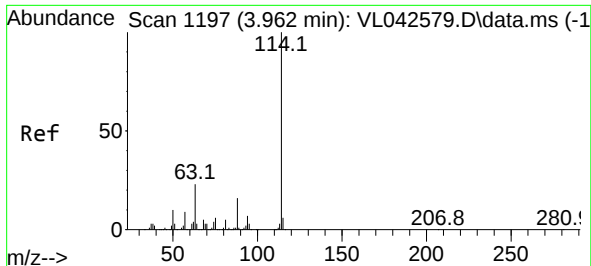


#29
Chloroform
Concen: 0.443 ppbv
RT: 2.849 min Scan# 853
Delta R.T. -0.003 min
Lab File: VL042674.D
Acq: 27 Jun 2025 11:30



Tgt Ion: 83 Resp: 10081
Ion Ratio Lower Upper
83 100
85 56.4 52.8 79.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.006 min

Lab File: VL042674.D

Acq: 27 Jun 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:114 Resp: 29848

Ion Ratio Lower Upper

114 100

63 25.3 19.0 28.6

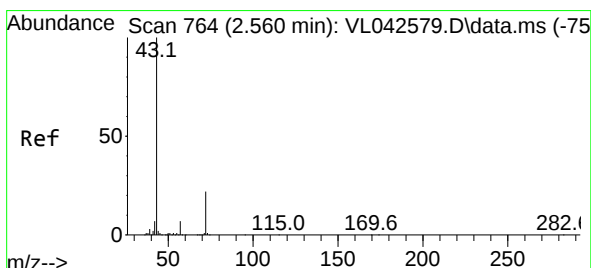
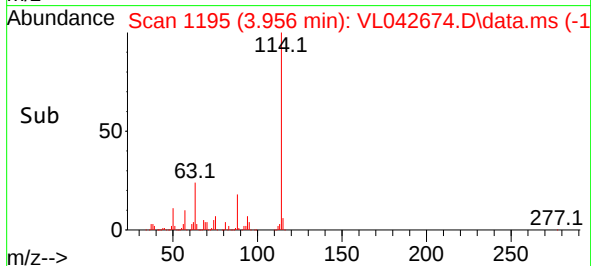
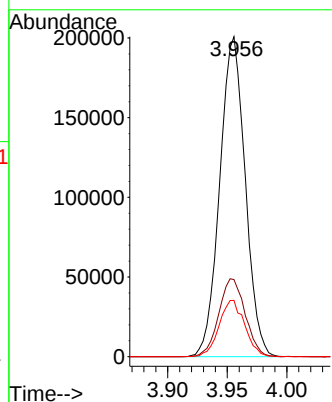
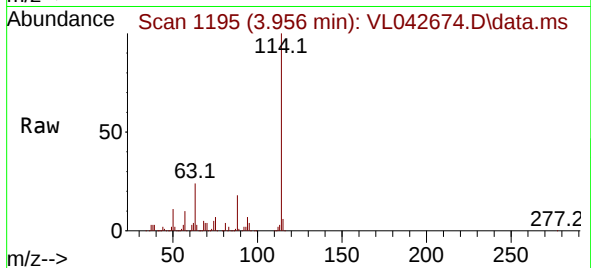
88 17.7 13.6 20.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#34

2-Butanone

Concen: 1.534 ppbv

RT: 2.557 min Scan# 763

Delta R.T. -0.003 min

Lab File: VL042674.D

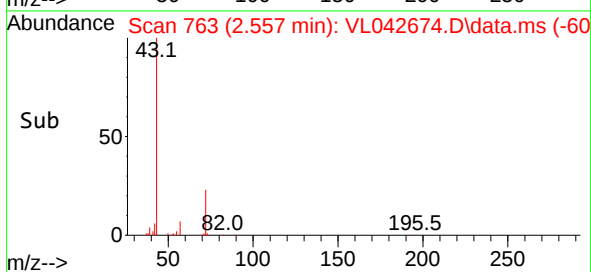
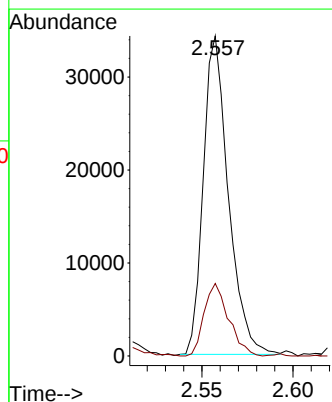
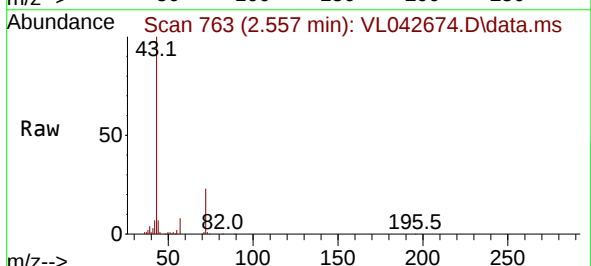
Acq: 27 Jun 2025 11:30

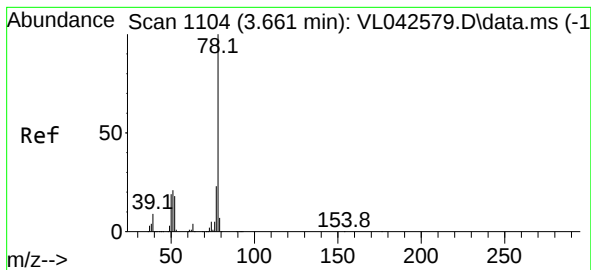
Tgt Ion: 43 Resp: 32658

Ion Ratio Lower Upper

43 100

72 22.7 17.7 26.5





#36

Benzene

Concen: 0.296 ppbv

RT: 3.651 min Scan# 1104

Delta R.T. -0.010 min

Lab File: VL042674.D

Acq: 27 Jun 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

SV1

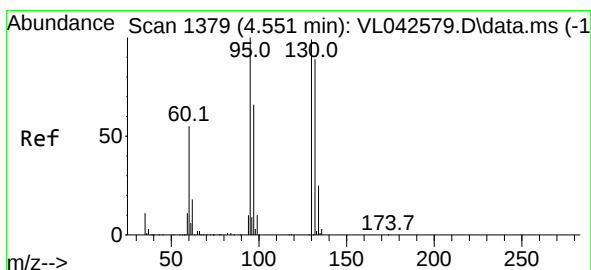
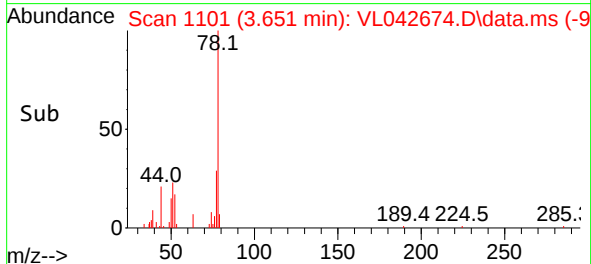
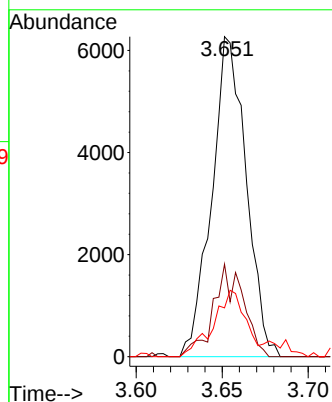
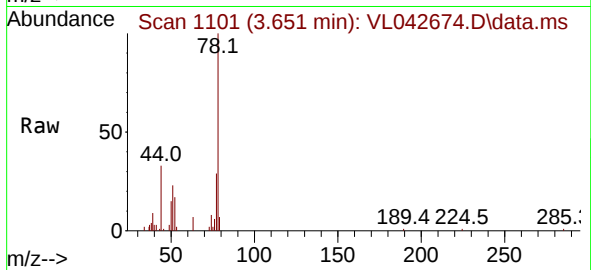
Tgt Ion: 78	Resp: 871
Ion Ratio	Lower Upper
78 100	
77 28.9	18.2 27.2
50 15.2	15.2 22.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#38

Trichloroethene

Concen: 0.048 ppbv m

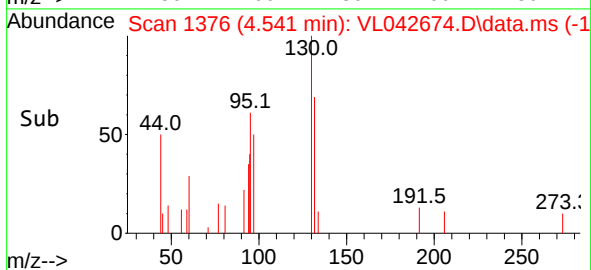
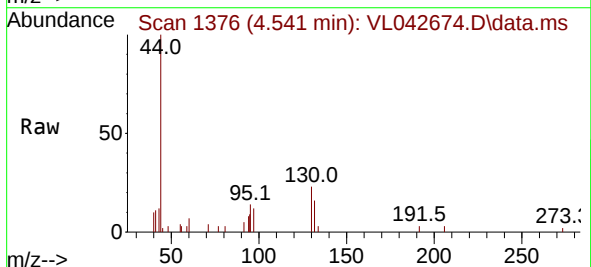
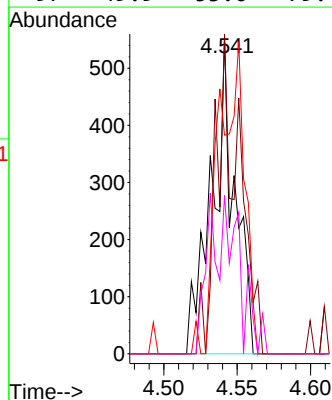
RT: 4.541 min Scan# 1376

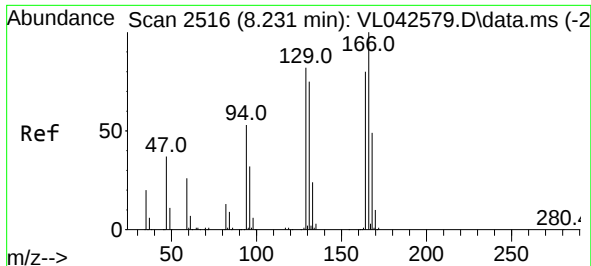
Delta R.T. -0.010 min

Lab File: VL042674.D

Acq: 27 Jun 2025 11:30

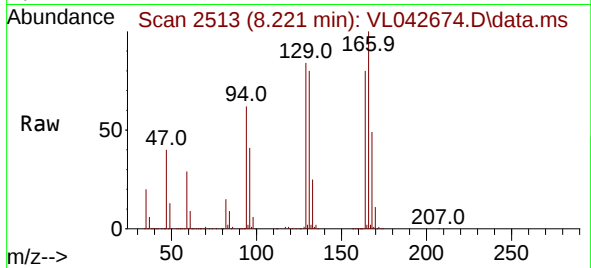
Tgt Ion:130	Resp: 603
Ion Ratio	Lower Upper
130 100	
95 60.7	80.6 121.0#
132 69.0	71.8 107.6#
97 49.9	53.0 79.4#





#52
Tetrachloroethene
Concen: 44.063 ppbv
RT: 8.221 min Scan# 2113
Delta R.T. -0.010 min
Lab File: VL042674.D
Acq: 27 Jun 2025 11:30

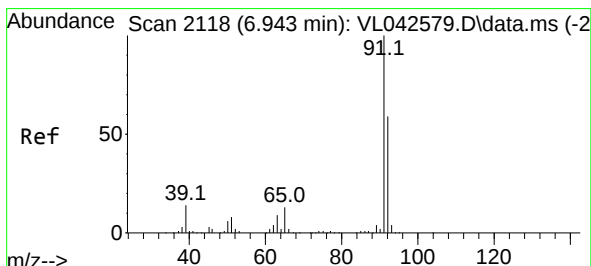
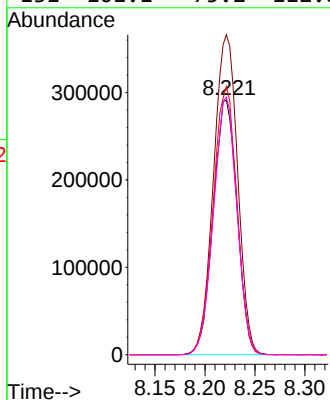
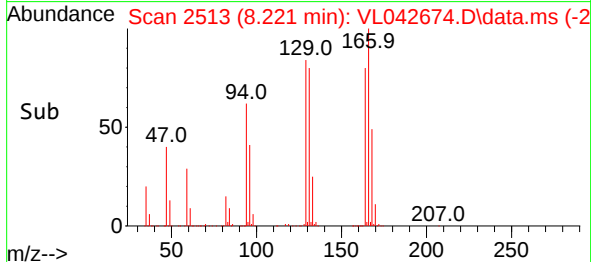
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp: 48397
Ion Ratio Lower Upper
164 100
166 125.7 100.0 150.0
129 105.3 82.2 123.4
131 101.1 75.2 112.8

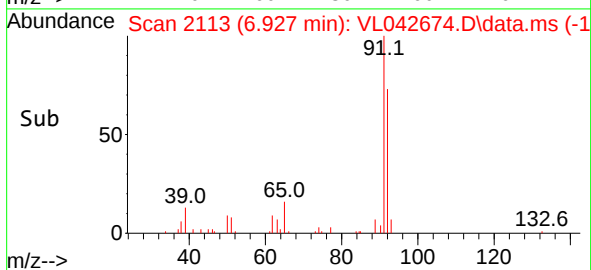
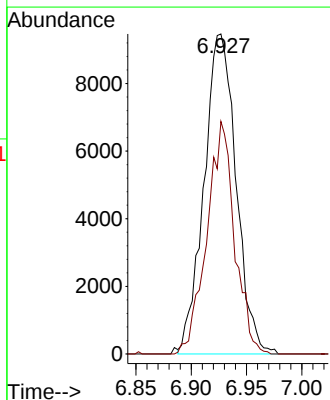
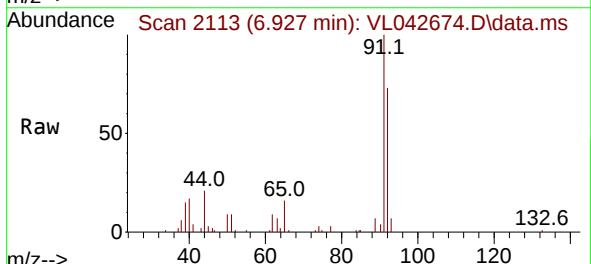
Manual Integrations
APPROVED

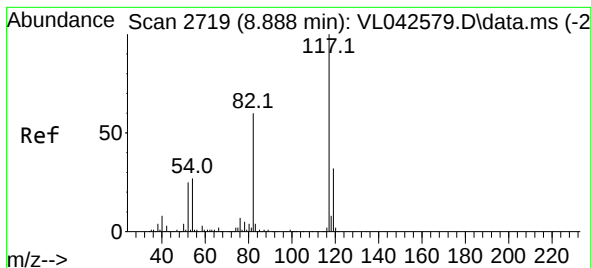
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#53
Toluene
Concen: 0.563 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.016 min
Lab File: VL042674.D
Acq: 27 Jun 2025 11:30

Tgt Ion: 91 Resp: 19125
Ion Ratio Lower Upper
91 100
92 62.7 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2117

Delta R.T. -0.013 min

Lab File: VL042674.D

Acq: 27 Jun 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

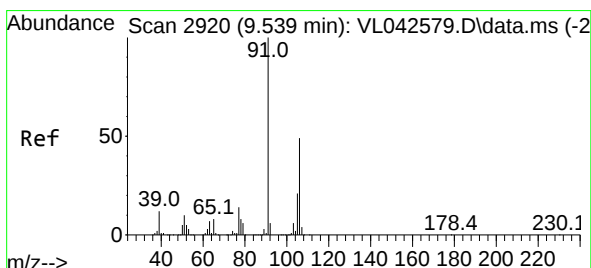
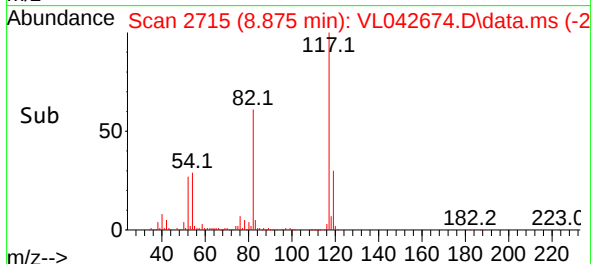
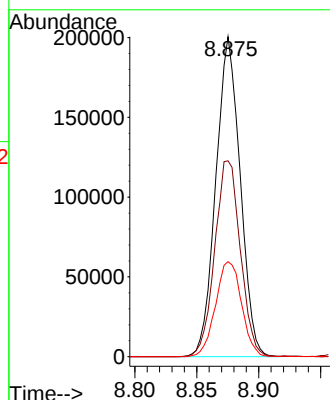
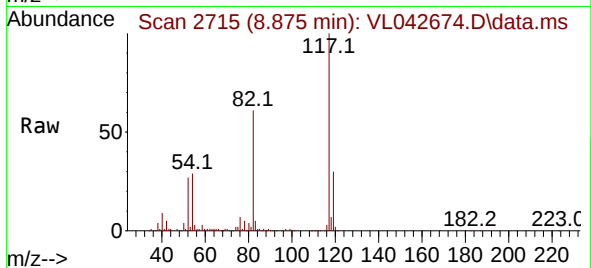
SV1

Tgt Ion:117 Resp: 27460
 Ion Ratio Lower Upper
 117 100
 82 64.5 51.2 76.8
 119 31.8 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#59

m/p-Xylene

Concen: 0.524 ppbv

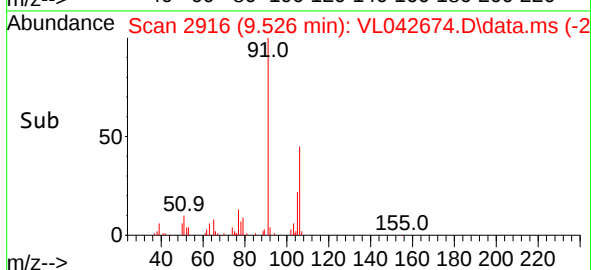
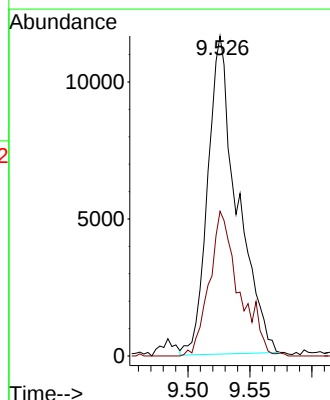
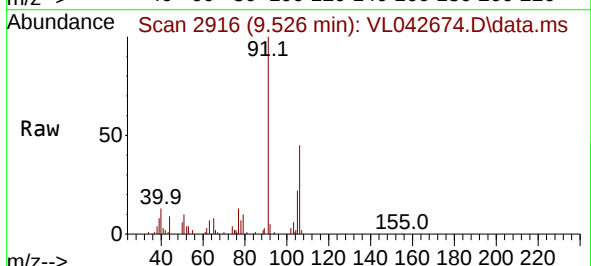
RT: 9.526 min Scan# 2916

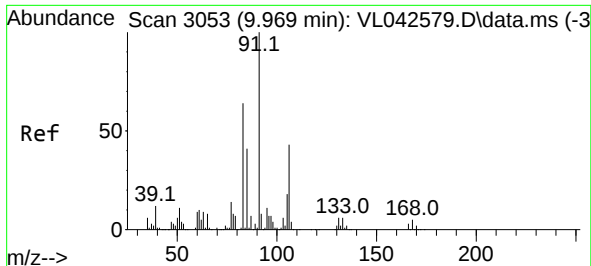
Delta R.T. -0.013 min

Lab File: VL042674.D

Acq: 27 Jun 2025 11:30

Tgt Ion: 91 Resp: 19208
 Ion Ratio Lower Upper
 91 100
 106 45.9 38.8 58.2





#60

o-Xylene

Concen: 0.282 ppbv

RT: 9.960 min Scan# 3053

Delta R.T. -0.010 min

Lab File: VL042674.D

Acq: 27 Jun 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 10309

Ion Ratio Lower Upper

91 100

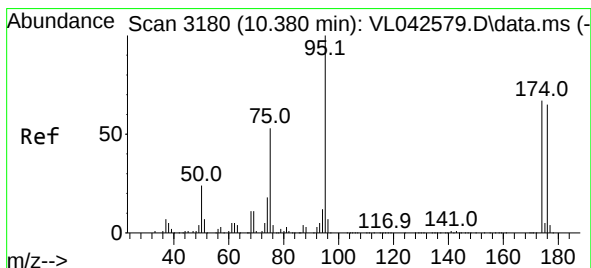
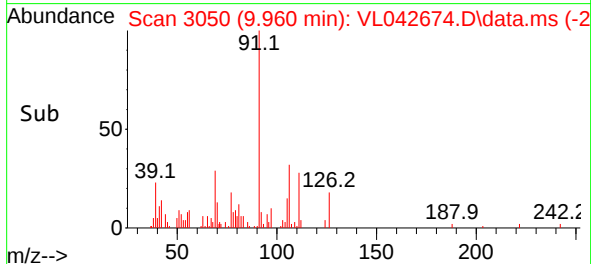
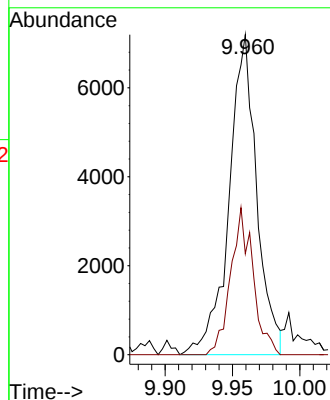
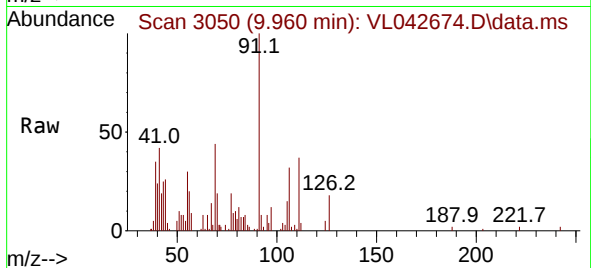
106 36.9 22.9 68.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.350 ppbv

RT: 10.371 min Scan# 3177

Delta R.T. -0.010 min

Lab File: VL042674.D

Acq: 27 Jun 2025 11:30

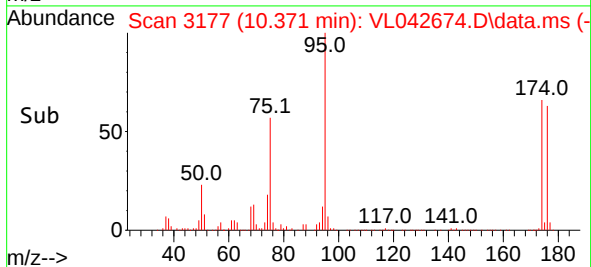
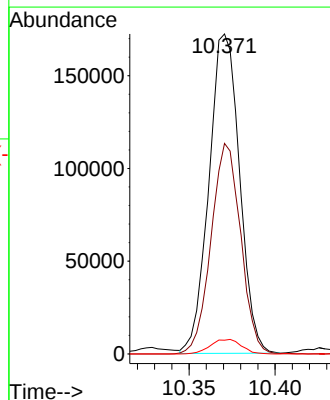
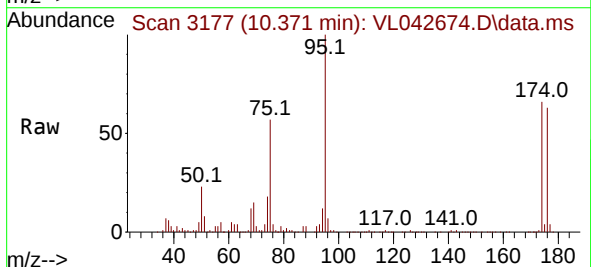
Tgt Ion: 95 Resp: 213051

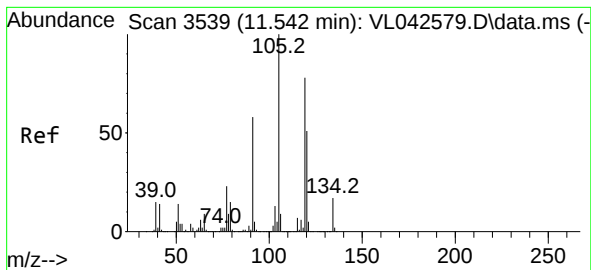
Ion Ratio Lower Upper

95 100

174 63.7 53.1 79.7

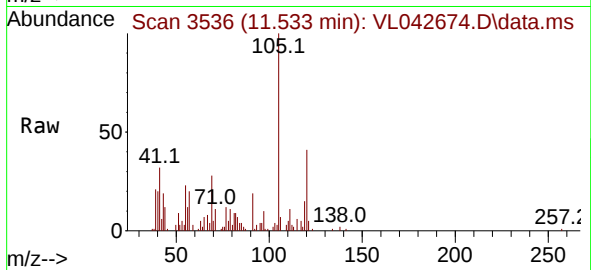
175 4.7 4.2 6.2





#74
 1,2,4-Trimethylbenzene
 Concen: 0.156 ppbv
 RT: 11.533 min Scan# 3536
 Delta R.T. -0.010 min
 Lab File: VL042674.D
 Acq: 27 Jun 2025 11:30

Instrument : MSVOA_L
 ClientSampleId : SV1



Tgt Ion:	105	Resp:	654
Ion	Ratio	Lower	Upper
105	100		
120	40.9	40.8	61.2
91	17.4	46.8	70.2
77	7.3	18.2	27.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025

