

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
 Data File : VL042778.D
 Acq On : 29 Jul 2025 12:02
 Operator : SY/MD
 Sample : Q2712-02 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025

Quant Time: Jul 30 01:09:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	149429	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	410248	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.888	117	394368	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	314955	10.085	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	2929	0.148	ppbv	94
9) Propene	1.489	41	2624m	0.281	ppbv	
10) Heptane	4.991	43	13821m	0.548	ppbv	
11) Trichlorofluoromethane	1.884	101	4733	0.232	ppbv	98
13) Ethanol	1.725	45	95182	138.599	ppbv	88
15) Acetone	1.839	43	89139	4.320	ppbv	98
19) Isopropyl Alcohol	1.894	45	7506	0.685	ppbv #	1
26) Hexane	2.832	57	55756	2.783	ppbv #	60
29) Chloroform	2.855	83	2989	0.097	ppbv	93
34) 2-Butanone	2.567	43	13180	0.454	ppbv	96
52) Tetrachloroethene	8.237	164	67451	4.185	ppbv	96
53) Toluene	6.943	91	29236	0.700	ppbv	97
58) Ethyl Benzene	9.367	91	7527	0.121	ppbv	97
59) m/p-Xylene	9.538	91	35649m	0.716	ppbv	
60) o-Xylene	9.972	91	17420	0.350	ppbv	91
74) 1,2,4-Trimethylbenzene	11.542	105	6761	0.127	ppbv #	53

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

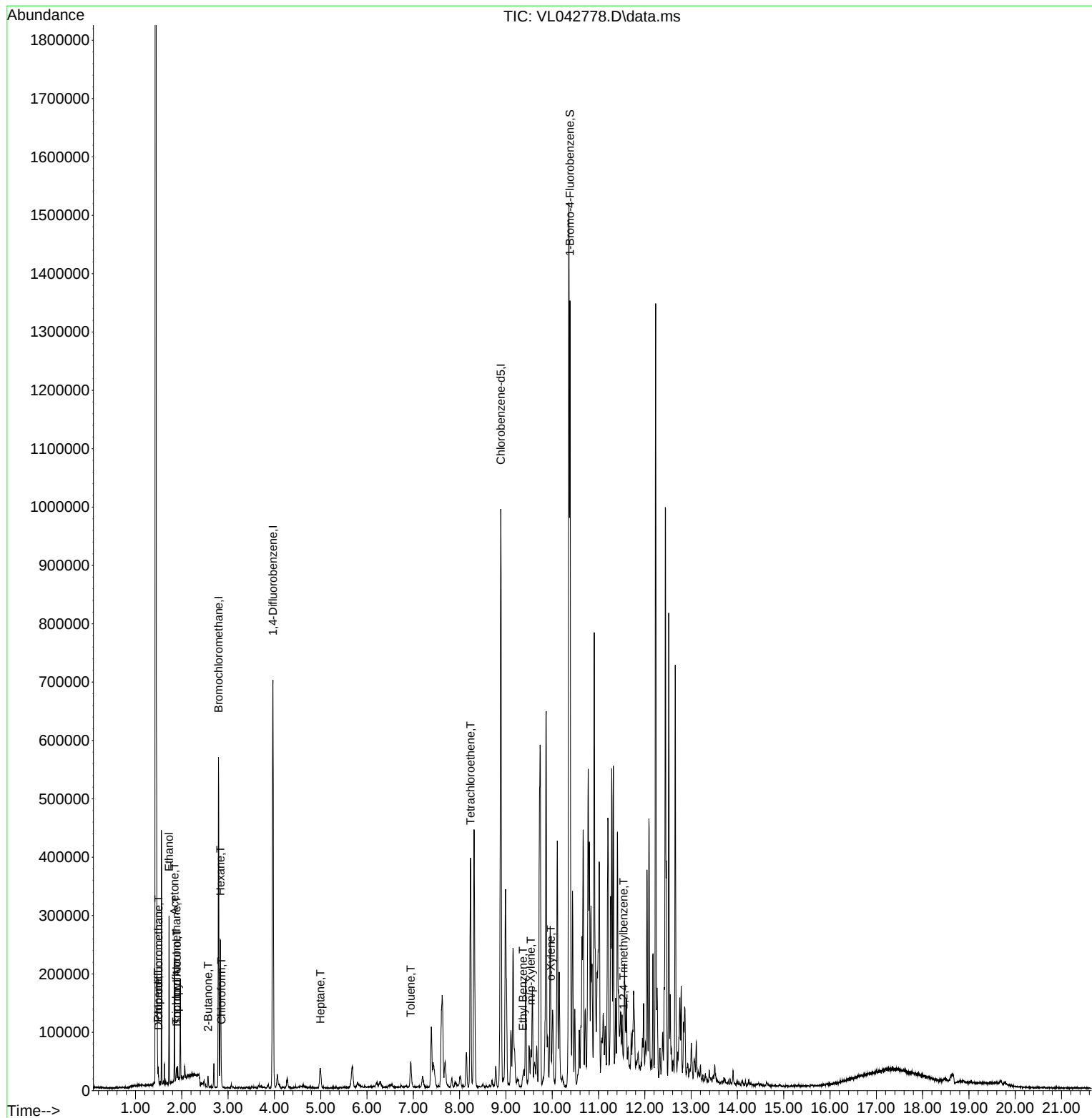
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
Data File : VL042778.D
Acq On : 29 Jul 2025 12:02
Operator : SY/MD
Sample : Q2712-02 10X
Misc : 400mL/MSVOA_L
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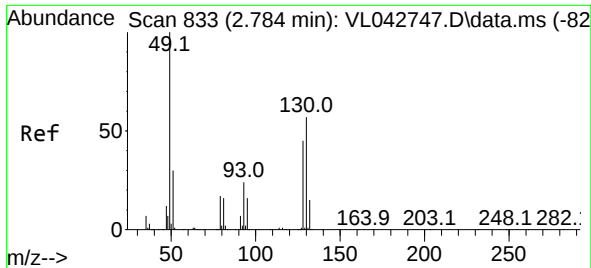
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Jul 30 01:09:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Manual Integrations
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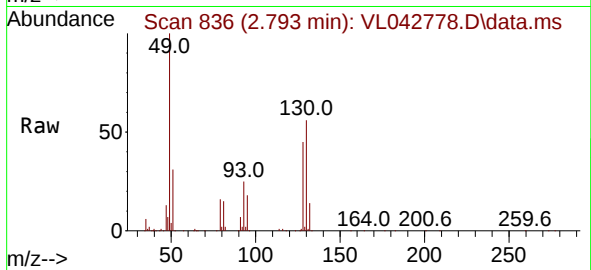
Reviewed By : Semsettin Yesilyurt 07/30/2025
Supervised By : Mahesh Dadoda 07/30/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

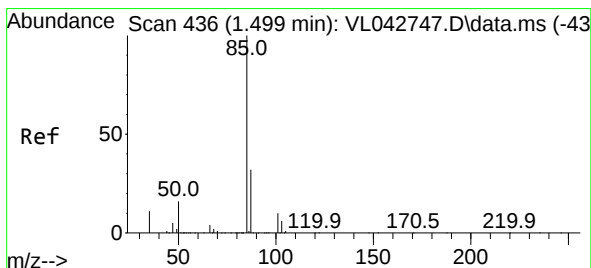
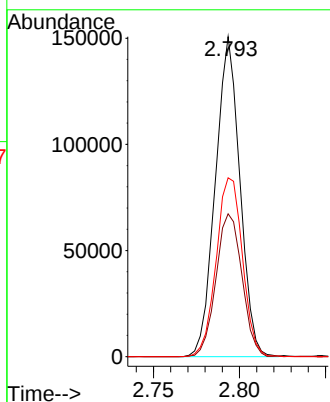
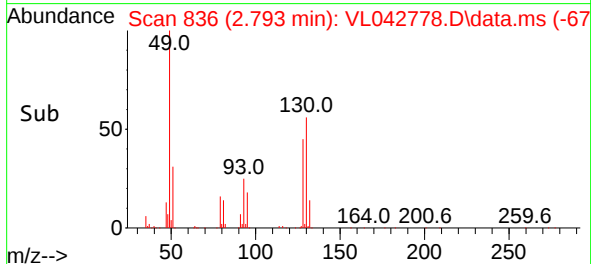
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 149429
Ion Ratio Lower Upper
49 100
128 47.4 23.6 71.0
130 59.8 30.3 90.8

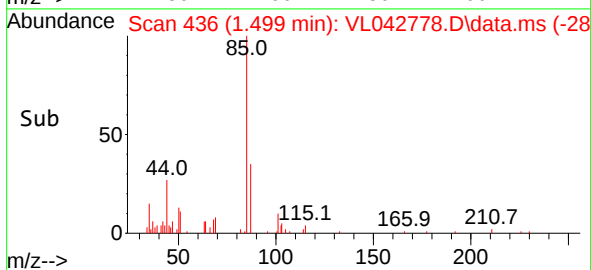
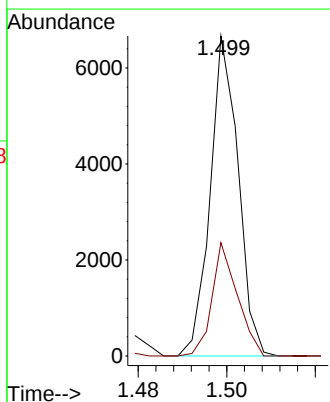
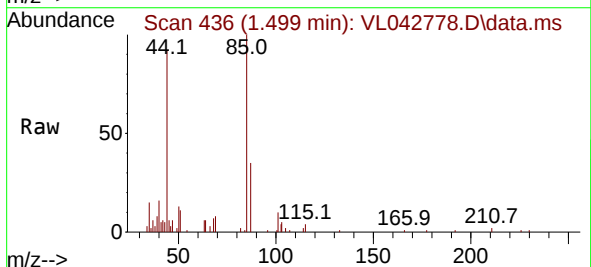
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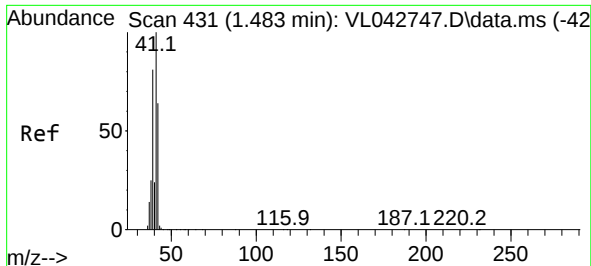
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#2
Dichlorodifluoromethane
Concen: 0.148 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

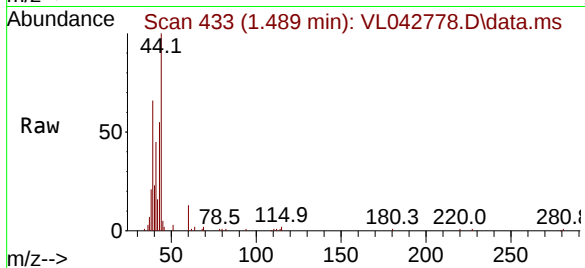
Tgt Ion: 85 Resp: 2929
Ion Ratio Lower Upper
85 100
87 35.4 25.4 38.2





#9
Propene
Concen: 0.281 ppbv m
RT: 1.489 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

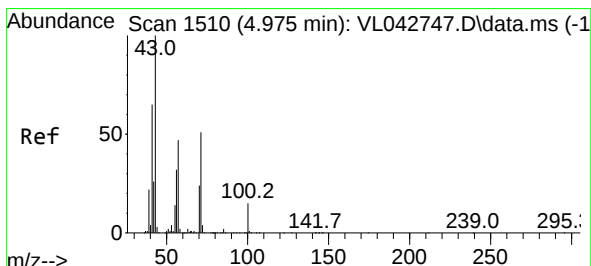
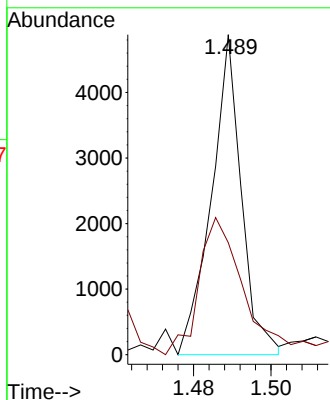
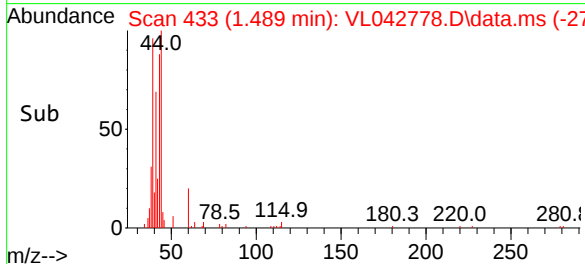
Instrument :
MSVOA_L
ClientSampleId :
SV2



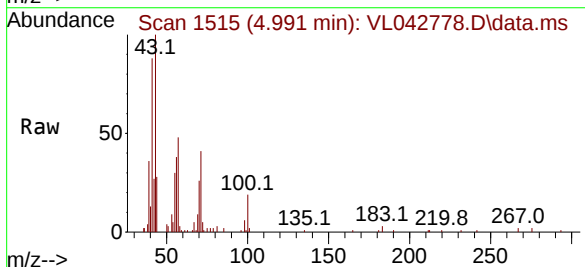
Tgt Ion: 41 Resp: 2624
Ion Ratio Lower Upper
41 100
42 1216.7 53.2 79.8

Manual Integrations
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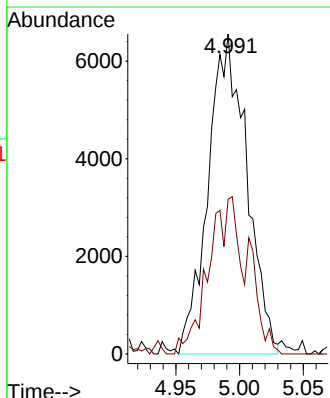
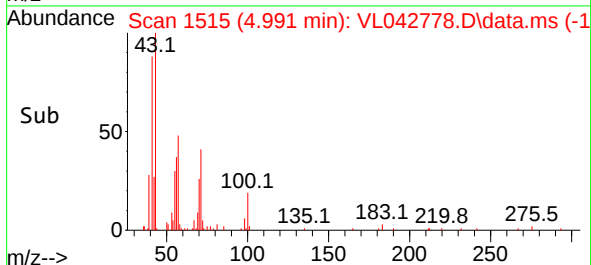
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

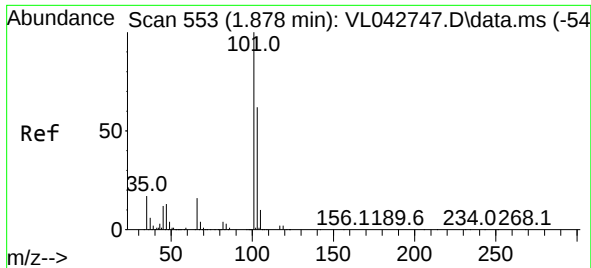


#10
Heptane
Concen: 0.548 ppbv m
RT: 4.991 min Scan# 1515
Delta R.T. 0.016 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02



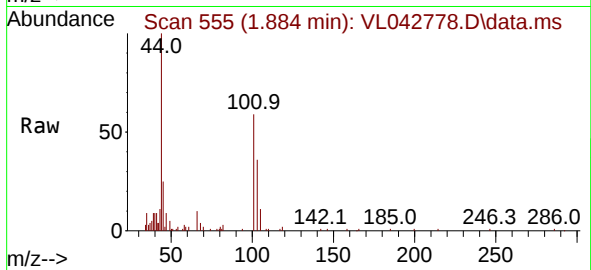
Tgt Ion: 43 Resp: 13821
Ion Ratio Lower Upper
43 100
57 51.4 39.9 59.9





#11
Trichlorofluoromethane
Concen: 0.232 ppbv
RT: 1.884 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

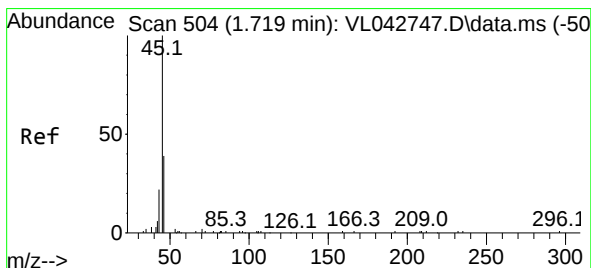
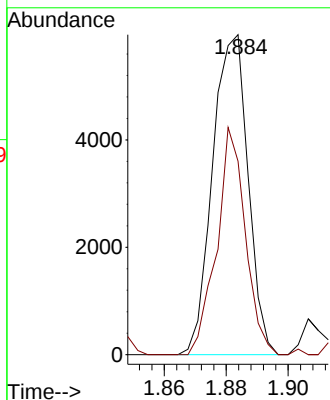
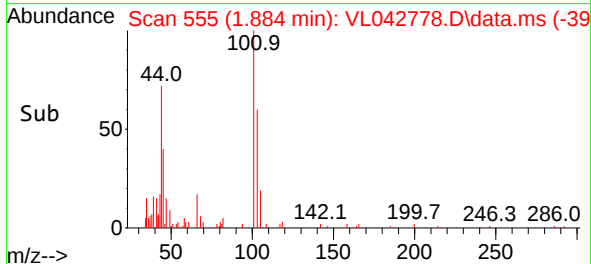
Instrument :
MSVOA_L
ClientSampleId :
SV2



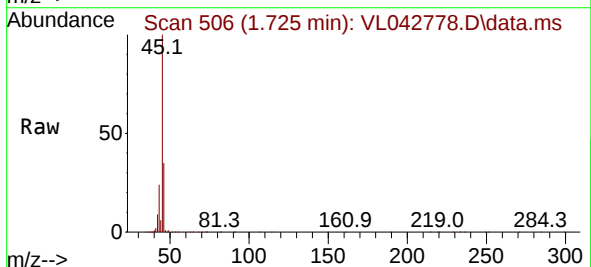
Tgt Ion:101 Resp: 473
Ion Ratio Lower Upper
101 100
103 60.5 49.6 74.4

Manual Integrations
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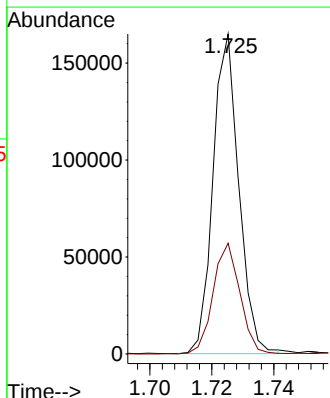
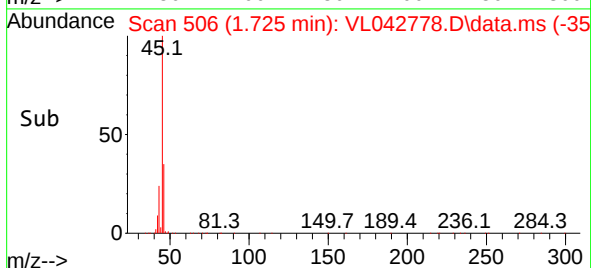
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

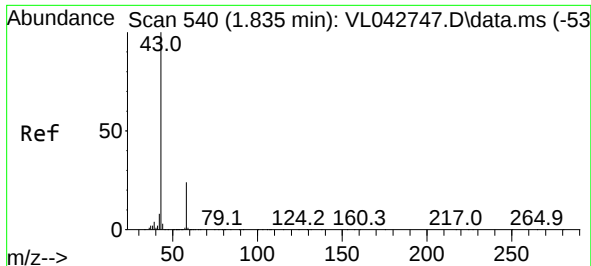


#13
Ethanol
Concen: 138.599 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02



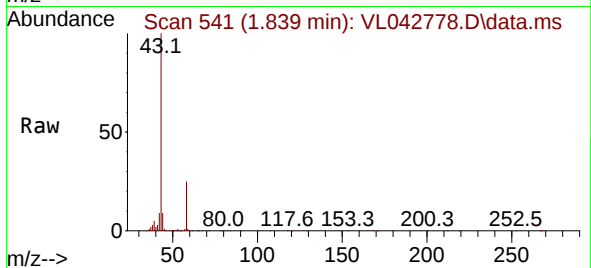
Tgt Ion: 45 Resp: 95182
Ion Ratio Lower Upper
45 100
46 36.8 17.8 71.4





#15
Acetone
Concen: 4.320 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

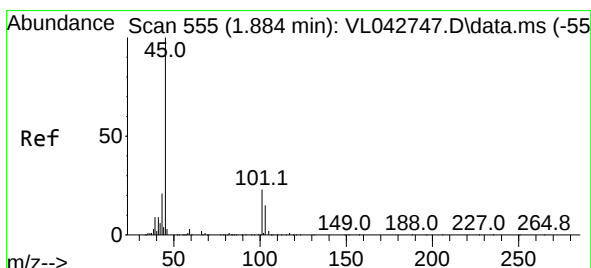
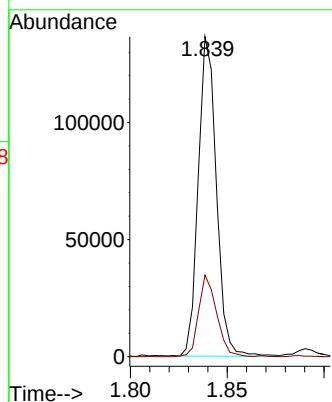
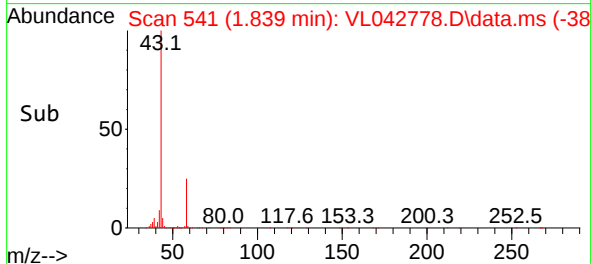
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 89139
Ion Ratio Lower Upper
43 100
58 25.6 19.8 29.8

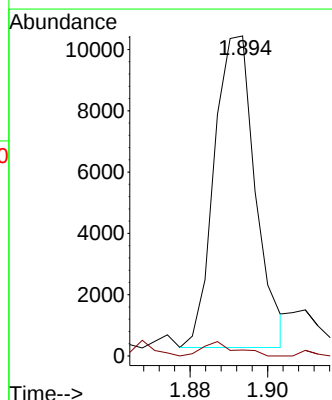
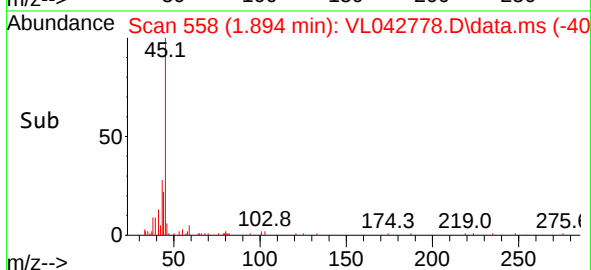
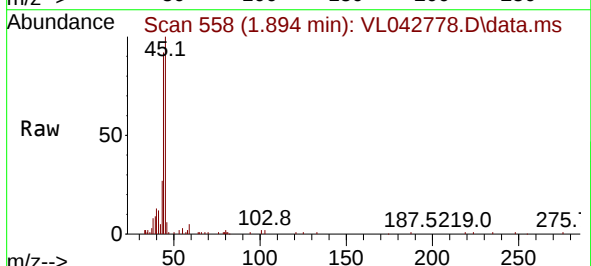
Manual Integrations
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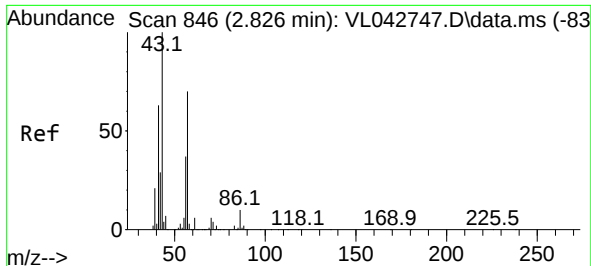
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#19
Isopropyl Alcohol
Concen: 0.685 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.010 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

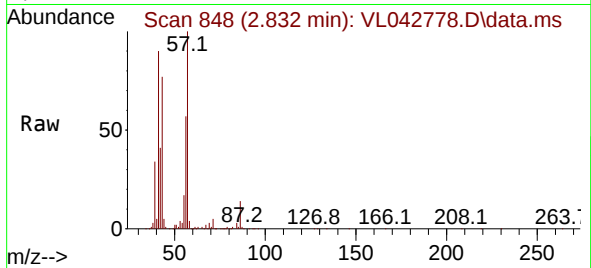
Tgt Ion: 45 Resp: 7506
Ion Ratio Lower Upper
45 100
58 303.4 30.0 45.0#





#26
Hexane
Concen: 2.783 ppbv
RT: 2.832 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

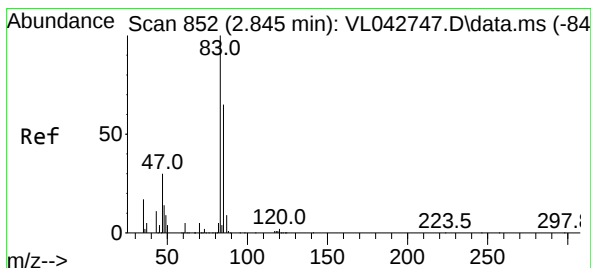
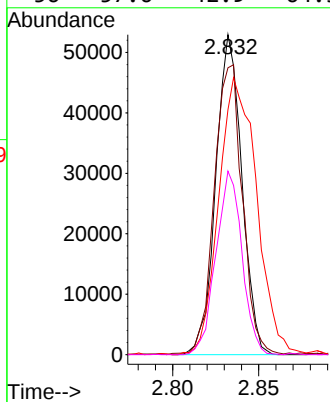
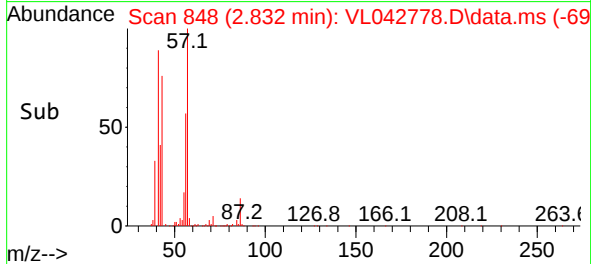
Instrument :
MSVOA_L
ClientSampleId :
SV2



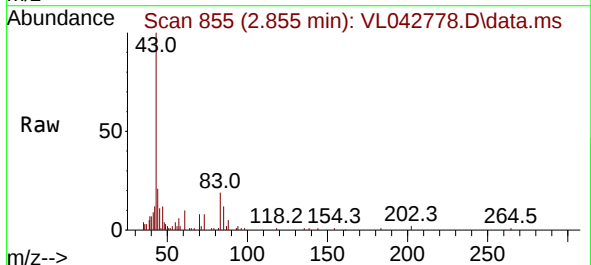
Tgt Ion: 57 Resp: 55750
Ion Ratio Lower Upper
57 100
41 97.8 75.4 113.2
43 126.4 185.0 277.6
56 57.6 42.9 64.3

Manual Integrations
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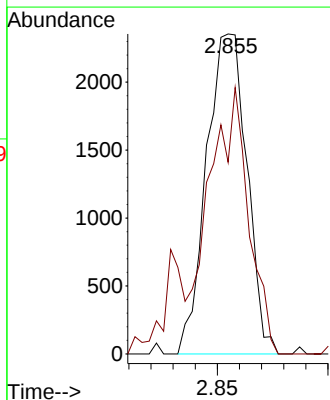
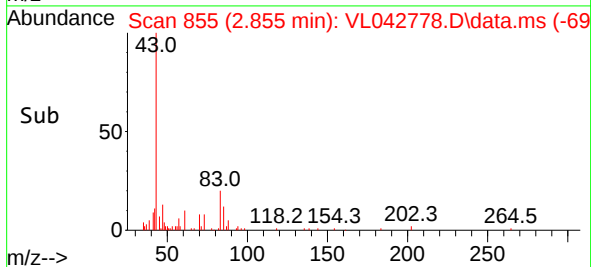
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

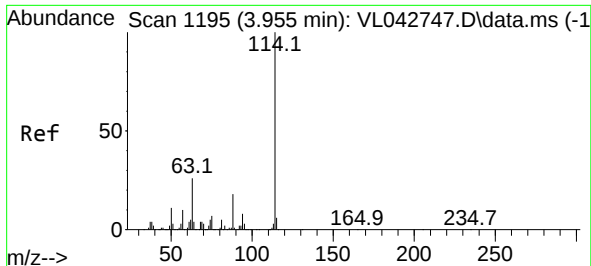


#29
Chloroform
Concen: 0.097 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.010 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02



Tgt Ion: 83 Resp: 2989
Ion Ratio Lower Upper
83 100
85 59.9 52.2 78.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.013 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

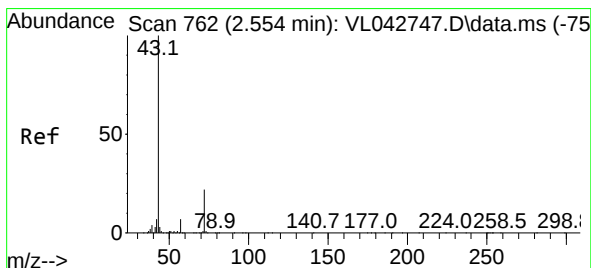
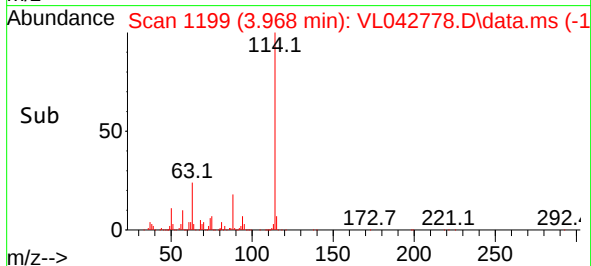
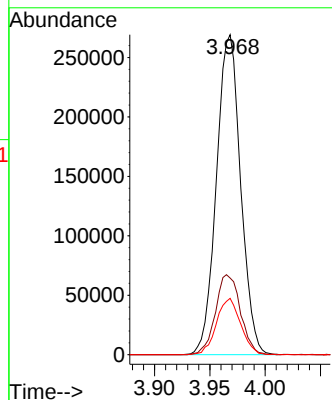
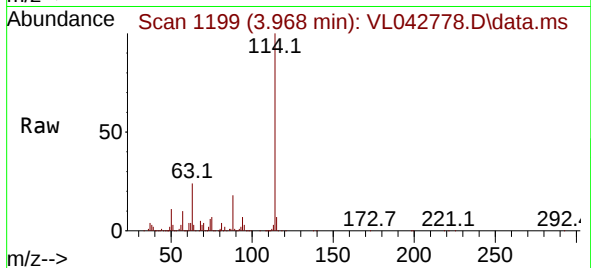
SV2

Tgt Ion:114 Resp: 410248
 Ion Ratio Lower Upper
 114 100
 63 25.8 20.5 30.7
 88 17.5 14.0 21.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025



#34

2-Butanone

Concen: 0.454 ppbv

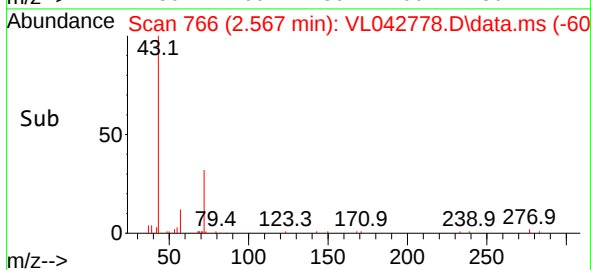
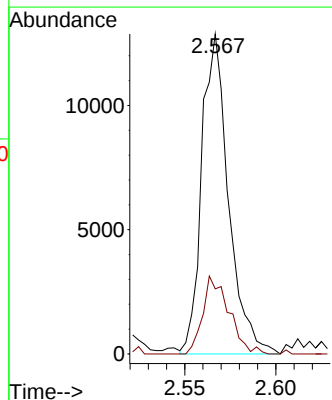
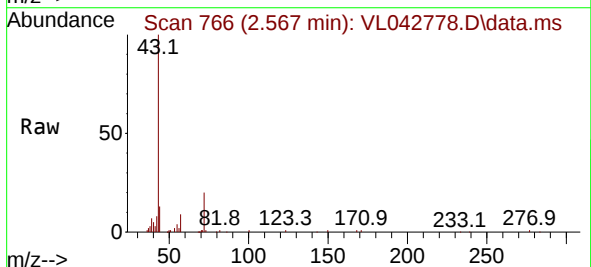
RT: 2.567 min Scan# 766

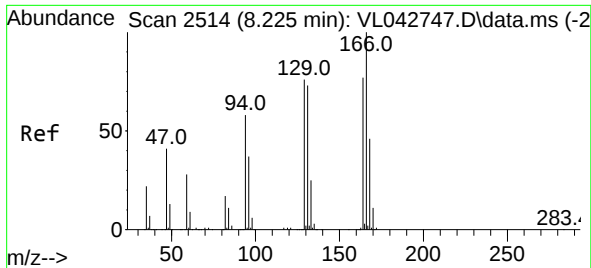
Delta R.T. 0.013 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

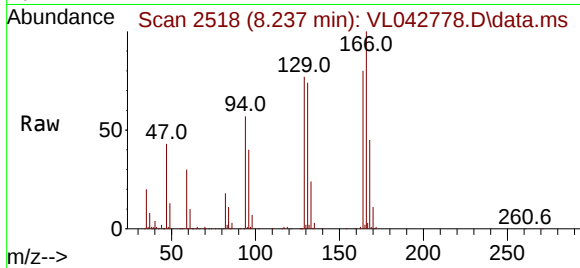
Tgt Ion: 43 Resp: 13180
 Ion Ratio Lower Upper
 43 100
 72 23.7 17.4 26.0





#52
Tetrachloroethene
Concen: 4.185 ppbv
RT: 8.237 min Scan# 2118
Delta R.T. 0.013 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

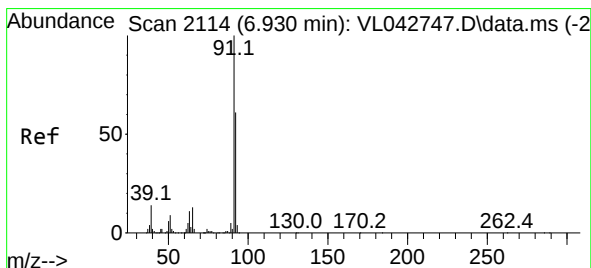
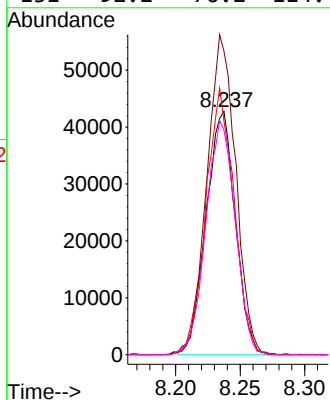
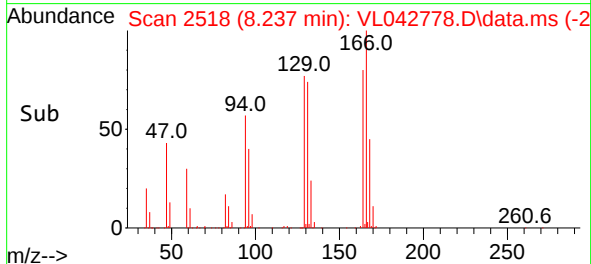
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:164 Resp: 6745
Ion Ratio Lower Upper
164 100
166 124.8 104.0 156.0
129 96.1 79.2 118.8
131 92.2 76.2 114.4

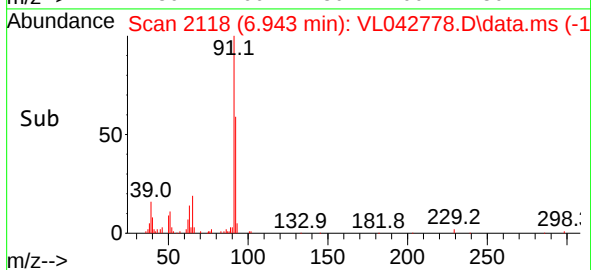
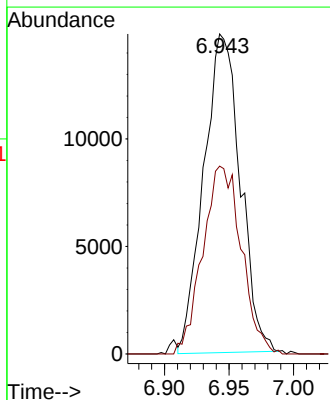
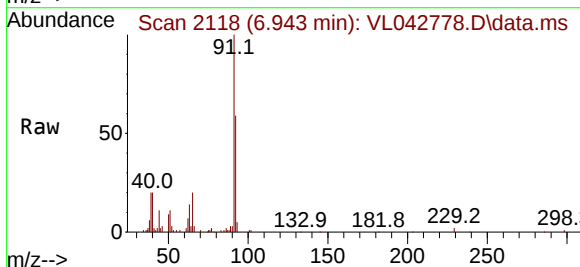
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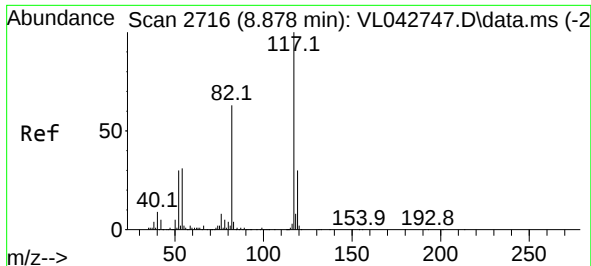
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#53
Toluene
Concen: 0.700 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.013 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

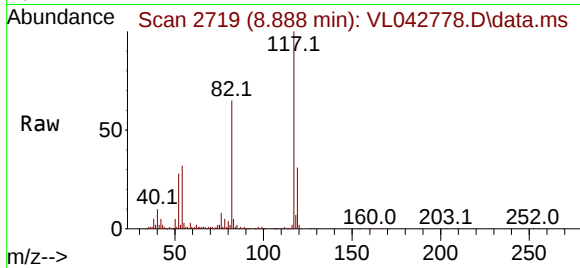
Tgt Ion: 91 Resp: 29236
Ion Ratio Lower Upper
91 100
92 62.2 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.010 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

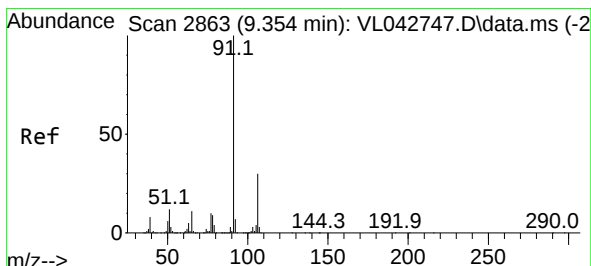
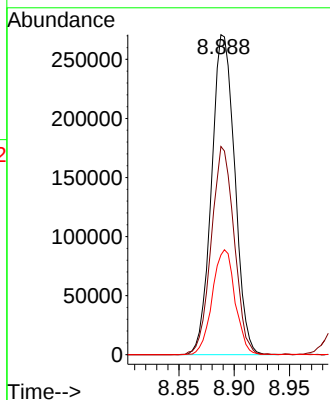
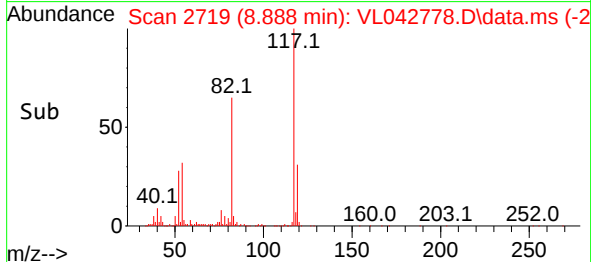
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 117 Resp: 394368
Ion Ratio Lower Upper
117 100
82 64.4 53.3 79.9
119 32.4 25.8 38.6

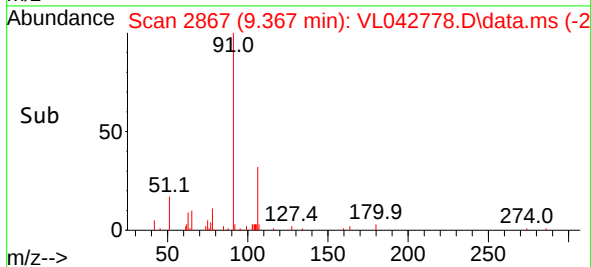
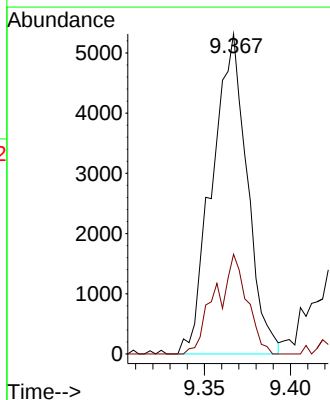
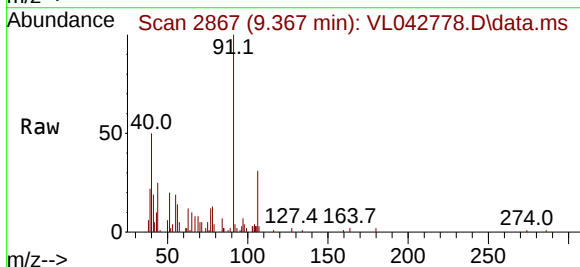
Manual Integrations
APPROVED

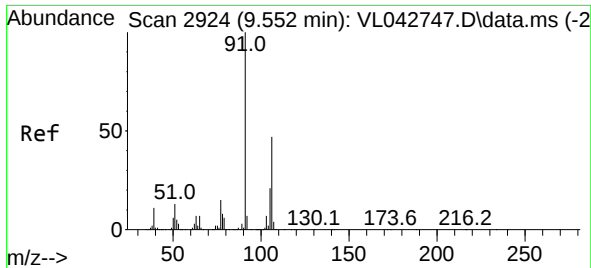
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#58
Ethyl Benzene
Concen: 0.121 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.013 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Tgt Ion: 91 Resp: 7527
Ion Ratio Lower Upper
91 100
106 31.2 23.8 35.6





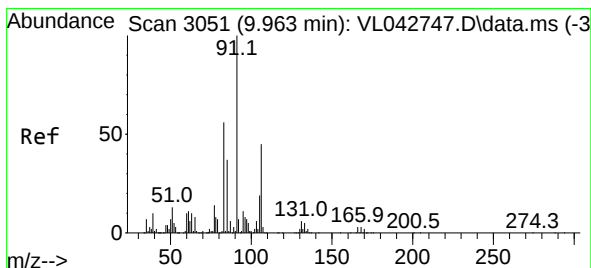
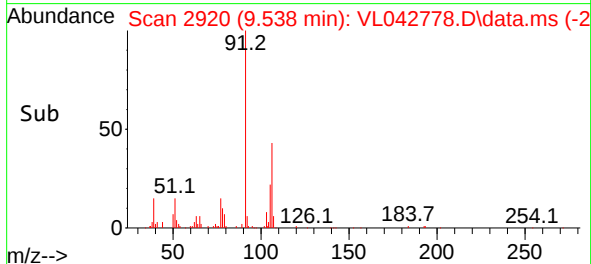
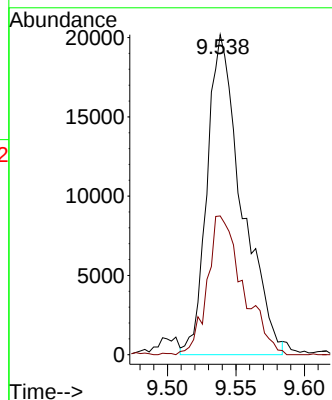
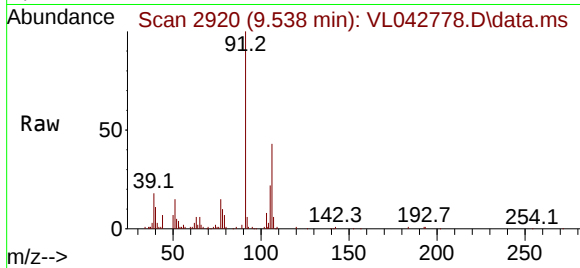
#59
m/p-Xylene
Concen: 0.716 ppbv m
RT: 9.538 min Scan# 2924
Delta R.T. -0.013 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 35649
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2

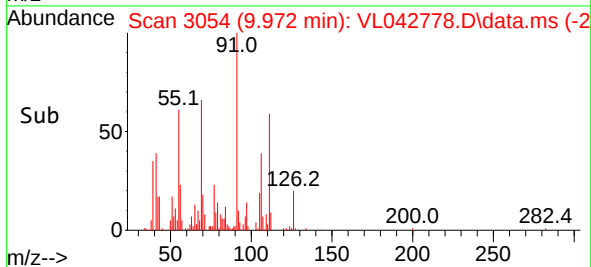
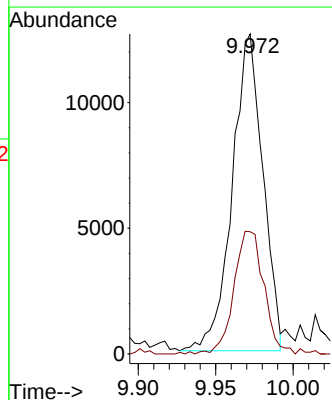
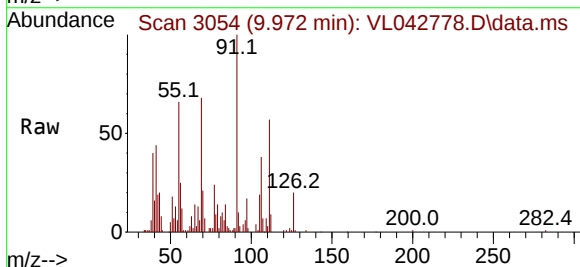
Manual Integrations
APPROVED

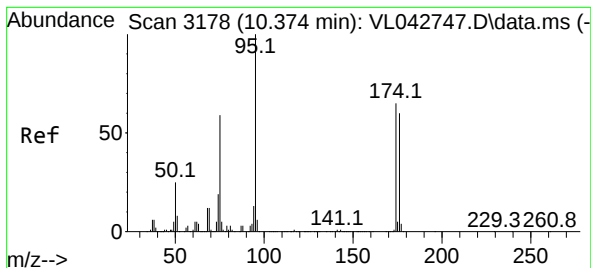
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#60
o-Xylene
Concen: 0.350 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

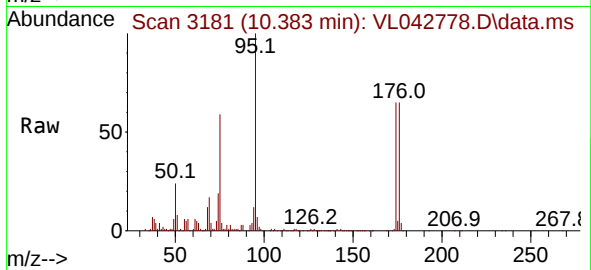
Tgt Ion: 91 Resp: 17420
Ion Ratio Lower Upper
91 100
106 38.2 22.0 66.0





#68
1-Bromo-4-Fluorobenzene
Concen: 10.085 ppbv
RT: 10.383 min Scan# 3178
Delta R.T. 0.010 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

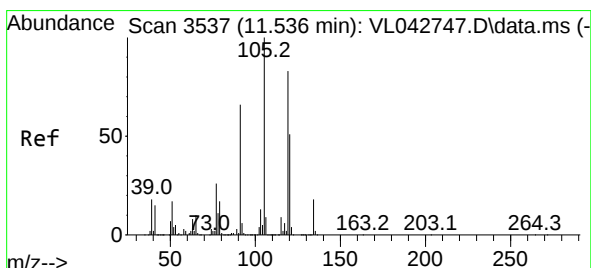
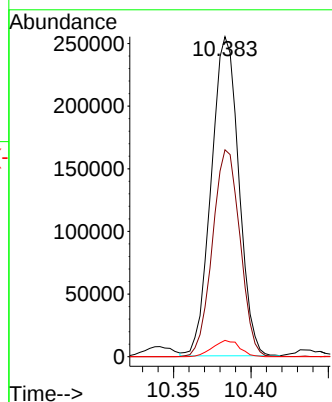
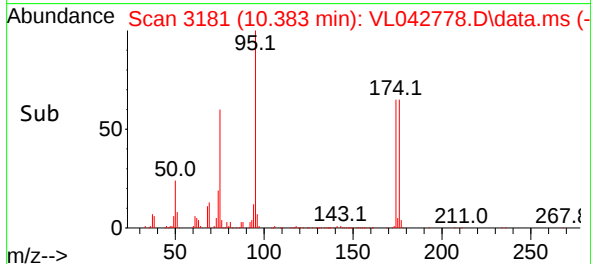
Instrument :
MSVOA_L
ClientSampleId :
SV2



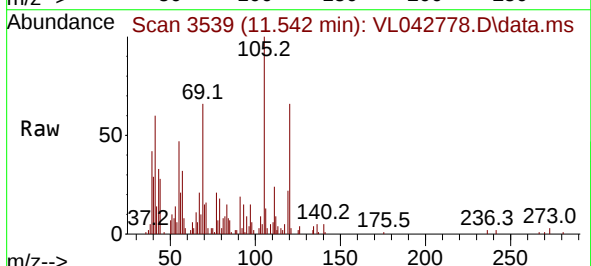
Tgt Ion: 95 Resp: 31495
Ion Ratio Lower Upper
95 100
174 64.9 53.8 80.6
175 5.0 4.0 6.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.127 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.006 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02



Tgt Ion:105 Resp: 6761
Ion Ratio Lower Upper
105 100
120 69.6 40.8 61.2#
91 10.7 53.0 79.4#
77 10.8 20.5 30.7#

