

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042809.D
 Acq On : 04 Aug 2025 17:26
 Operator : SY/MD
 Sample : Q2750-10
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 WONDER IA-11

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/06/2025
 Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 05 01:09:38 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 5 01:09:38 2025

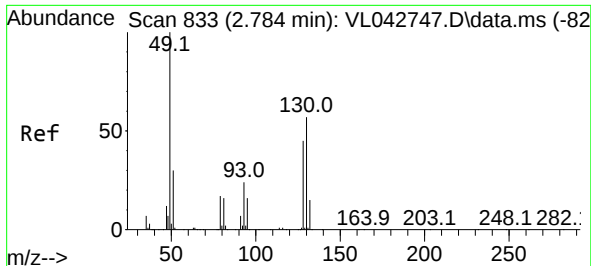
QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

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

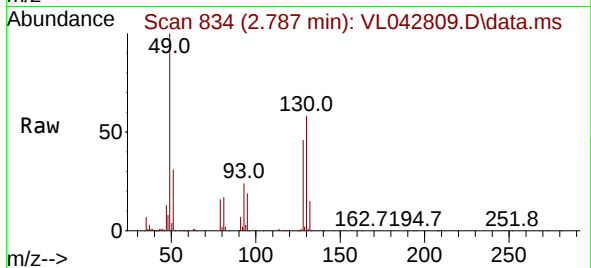
Internal Standards						
1) Bromochloromethane	2.787	49	150888	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	424703	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	362958	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	287056	9.987	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.499	85	9872	0.495	ppbv	94
3) Chlorodifluoromethane	1.476	51	453101	17.435	ppbv	99
4) Chloromethane	1.531	50	4415	0.547	ppbv	89
9) Propene	1.489	41	34546m	3.658	ppbv	
11) Trichlorofluoromethane	1.877	101	5244	0.255	ppbv	88
13) Ethanol	1.725	45	1447704	2103.892	ppbv	95
15) Acetone	1.835	43	652938	31.338	ppbv	100
17) tert-Butyl alcohol	2.049	59	6850m	0.365	ppbv	
19) Isopropyl Alcohol	1.907	45	7110661	642.214	ppbv #	41
20) Methylene Chloride	2.062	84	8919	1.358	ppbv	90
26) Hexane	2.826	57	117368	5.801	ppbv #	46
27) Carbon Disulfide	2.149	76	18073	1.043	ppbv #	66
29) Chloroform	2.848	83	5518	0.177	ppbv	100
34) 2-Butanone	2.560	43	17312	0.575	ppbv	97
35) Carbon Tetrachloride	3.758	117	2317m	0.073	ppbv	
36) Benzene	3.654	78	9665	0.240	ppbv	96
41) Tetrahydrofuran	3.068	42	4975m	0.325	ppbv	
53) Toluene	6.933	91	26702m	0.618	ppbv	
59) m/p-Xylene	9.535	91	6001m	0.131	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

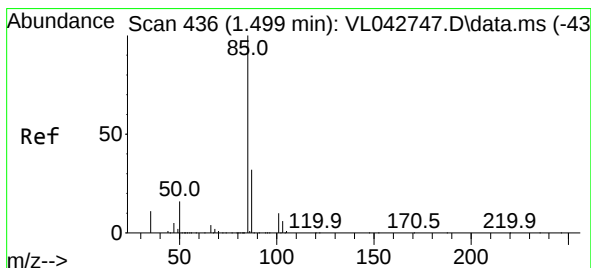
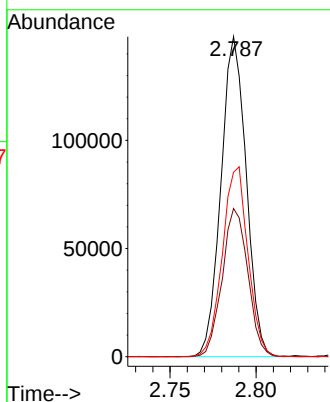
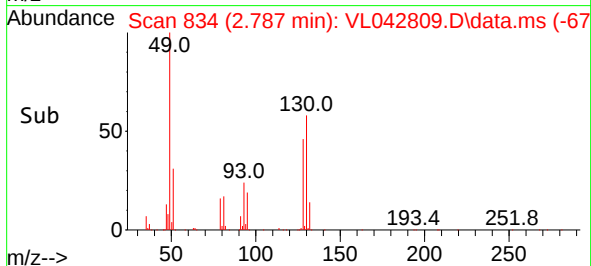
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-11



Tgt Ion: 49 Resp: 15088
Ion Ratio Lower Upper
49 100
128 47.1 23.6 71.0
130 60.4 30.3 90.8

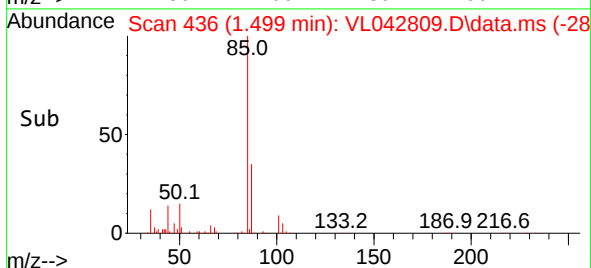
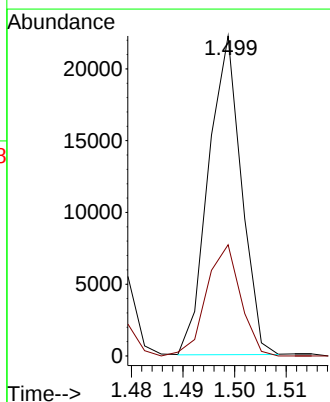
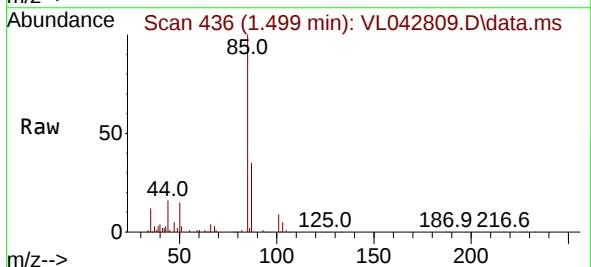
Manual Integrations
APPROVED

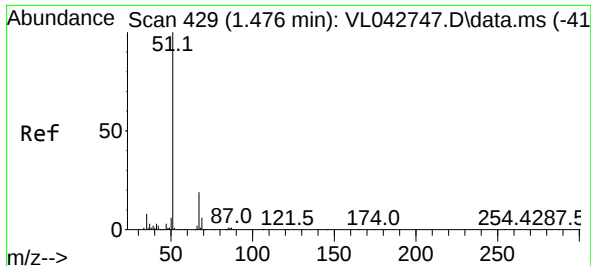
Reviewed By :Semsettin Yesilyurt 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#2
Dichlorodifluoromethane
Concen: 0.495 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

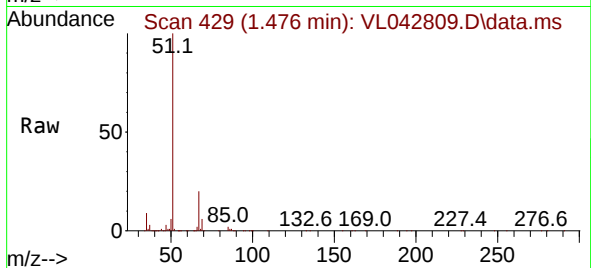
Tgt Ion: 85 Resp: 9872
Ion Ratio Lower Upper
85 100
87 34.9 25.4 38.2





#3
Chlorodifluoromethane
Concen: 17.435 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

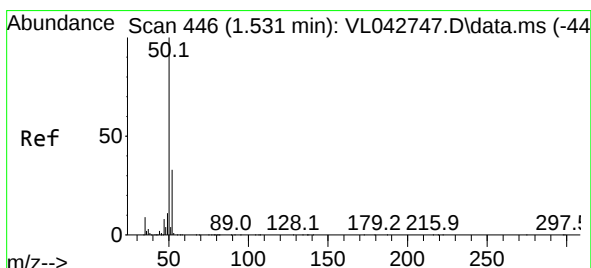
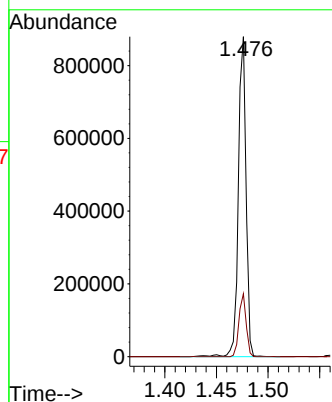
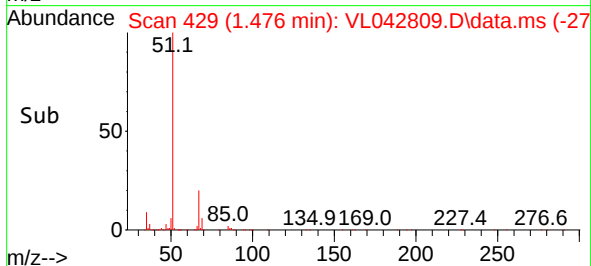
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-11



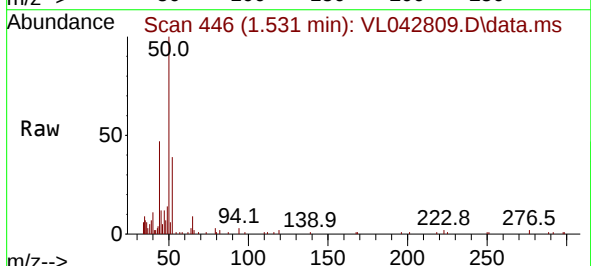
Tgt Ion: 51 Resp: 45310
Ion Ratio Lower Upper
51 100
67 18.4 15.0 22.6

Manual Integrations
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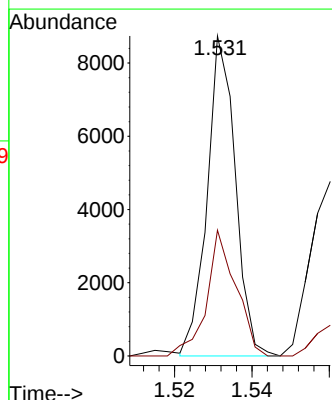
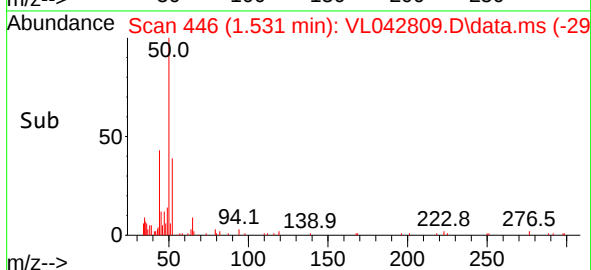
Reviewed By :Semsettin Yesilyurt 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

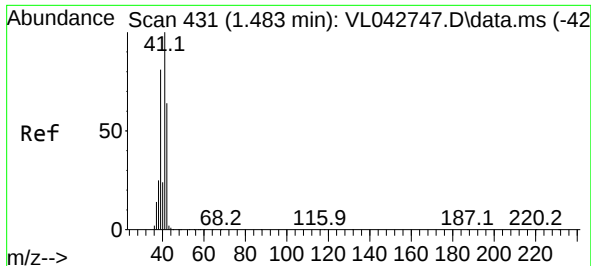


#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26



Tgt Ion: 50 Resp: 4415
Ion Ratio Lower Upper
50 100
52 39.6 26.6 40.0





#9

Propene

Concen: 3.658 ppbv m

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042809.D

Acq: 04 Aug 2025 17:26

Instrument :

MSVOA_L

ClientSampleId :

WONDER IA-11

Tgt Ion: 41 Resp: 34540

Ion Ratio Lower Upper

41 100

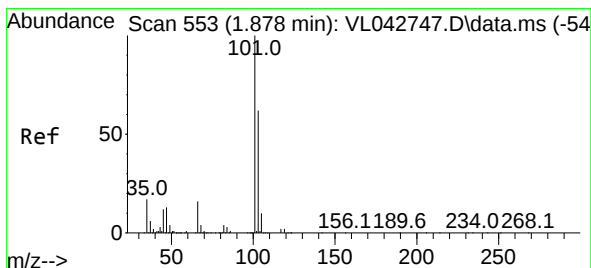
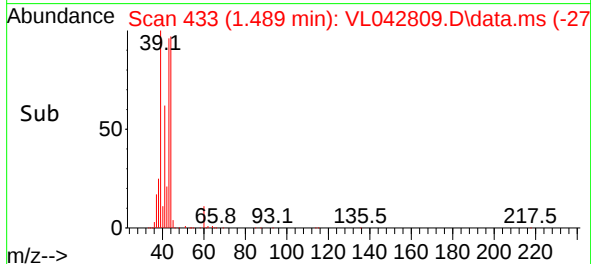
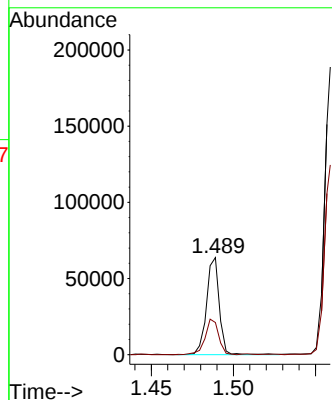
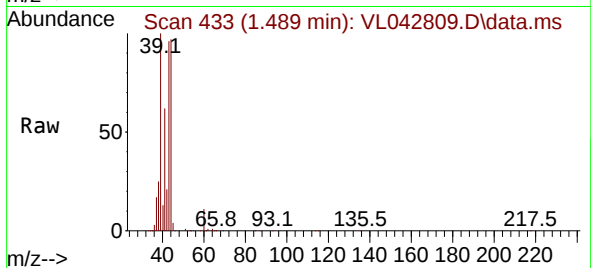
42 198.1 53.2 79.8

Manual Integrations

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Supervised By :Mahesh Dadoda 08/06/2025



#11

Trichlorofluoromethane

Concen: 0.255 ppbv

RT: 1.877 min Scan# 553

Delta R.T. -0.000 min

Lab File: VL042809.D

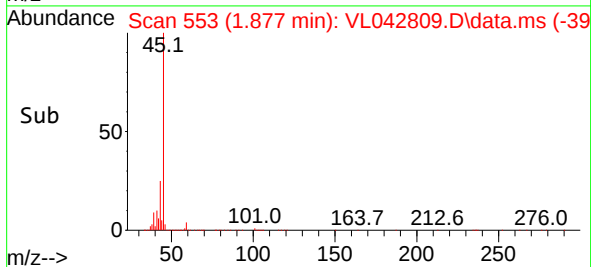
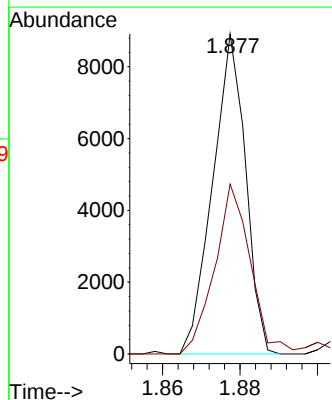
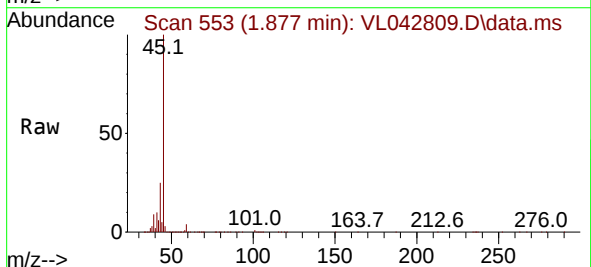
Acq: 04 Aug 2025 17:26

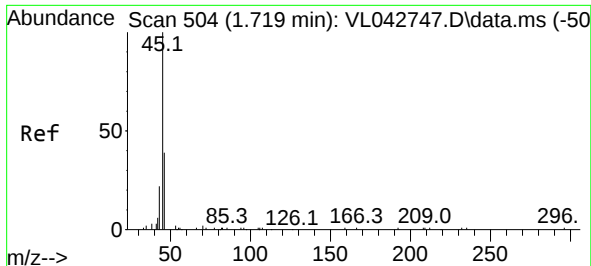
Tgt Ion:101 Resp: 5244

Ion Ratio Lower Upper

101 100

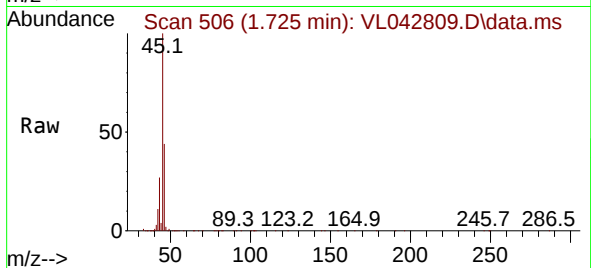
103 53.1 49.6 74.4





#13
Ethanol
Concen: 2103.892 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

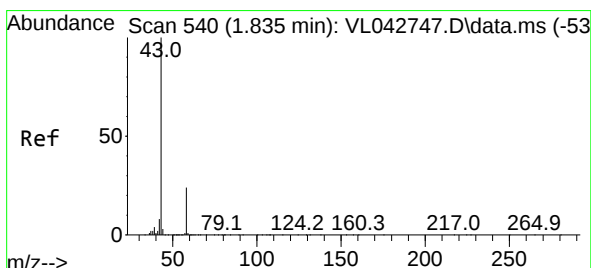
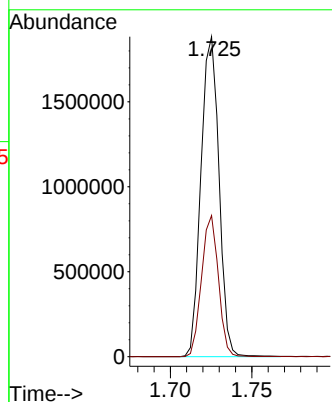
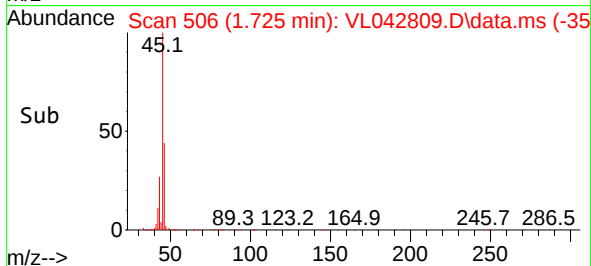
Instrument :
MSVOA_L
ClientSampleId :
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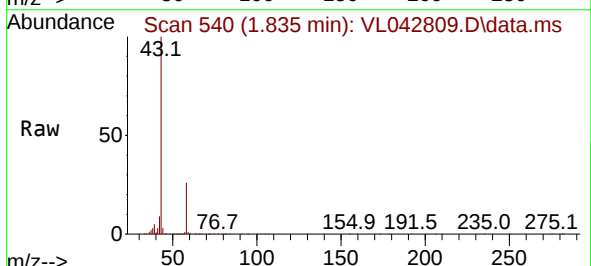
Tgt Ion: 45 Resp: 1447704
Ion Ratio Lower Upper
45 100
46 41.3 17.8 71.4

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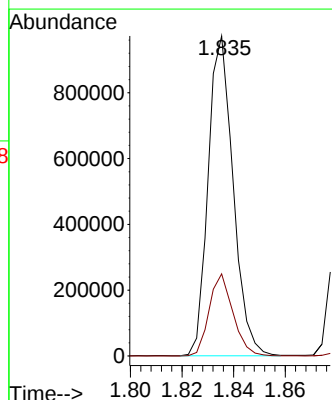
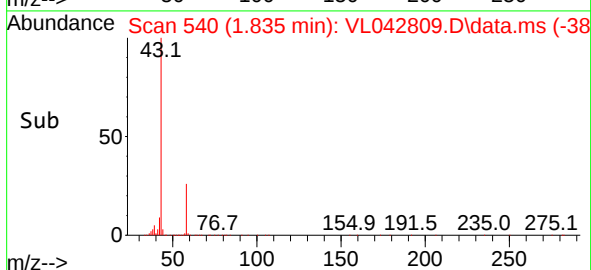
Reviewed By :Semsettin Yesilyurt 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

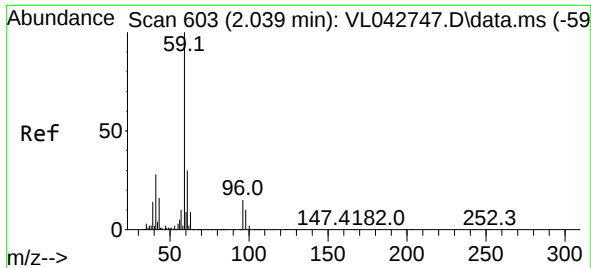


#15
Acetone
Concen: 31.338 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26



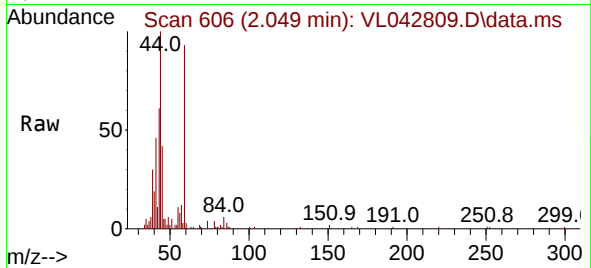
Tgt Ion: 43 Resp: 652938
Ion Ratio Lower Upper
43 100
58 24.6 19.8 29.8





#17
tert-Butyl alcohol
Concen: 0.365 ppbv m
RT: 2.049 min Scan# 603
Delta R.T. 0.010 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

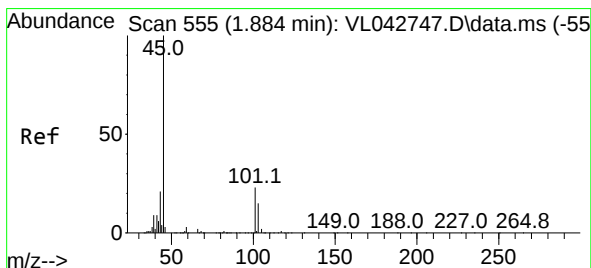
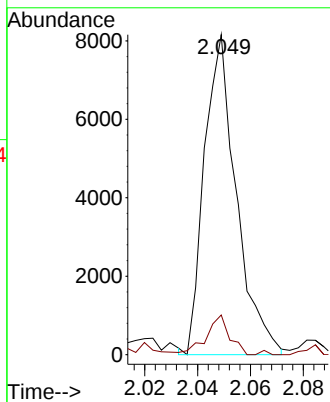
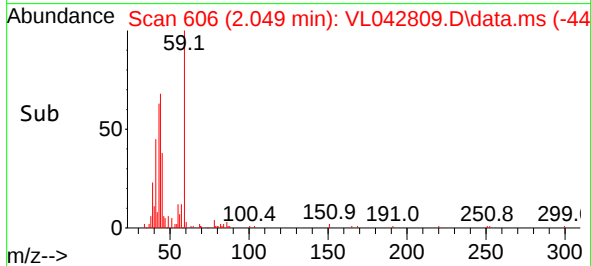
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 59 Resp: 6850
Ion Ratio Lower Upper
59 100
57 1395.8 8.3 12.5

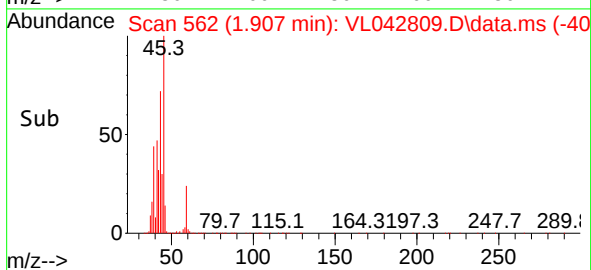
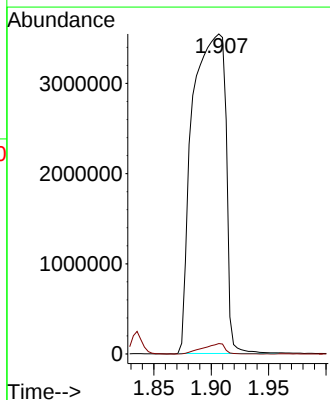
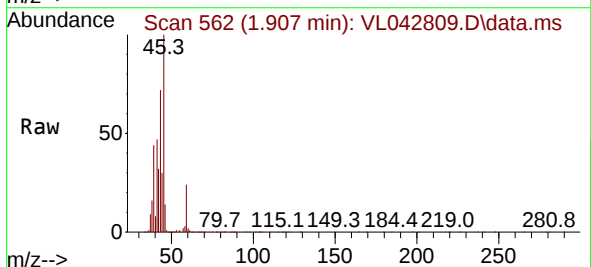
Manual Integrations
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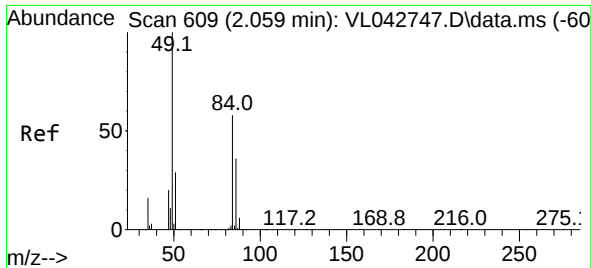
Reviewed By :Semsettin Yesilyurt 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#19
Isopropyl Alcohol
Concen: 642.214 ppbv
RT: 1.907 min Scan# 562
Delta R.T. 0.023 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

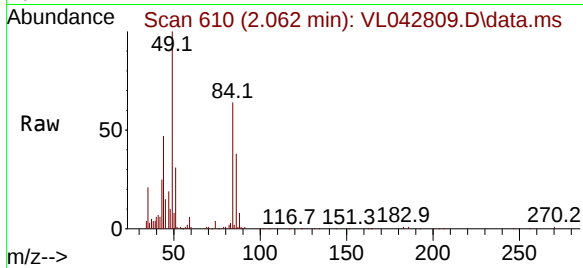
Tgt Ion: 45 Resp: 7110661
Ion Ratio Lower Upper
45 100
58 2.2 30.0 45.0#





#20
Methylene Chloride
Concen: 1.358 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

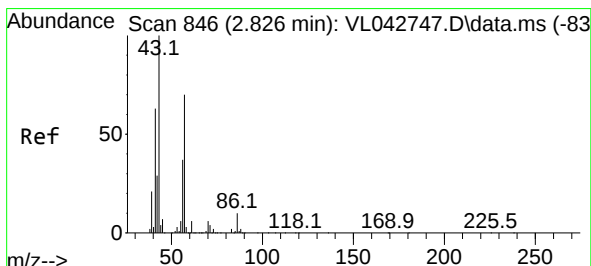
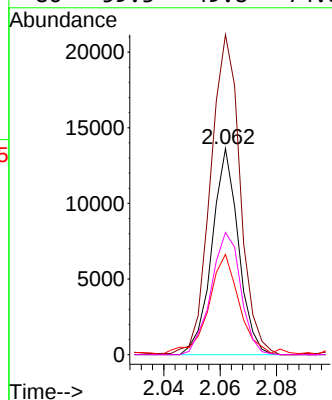
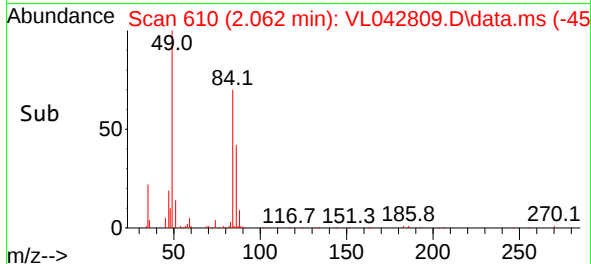
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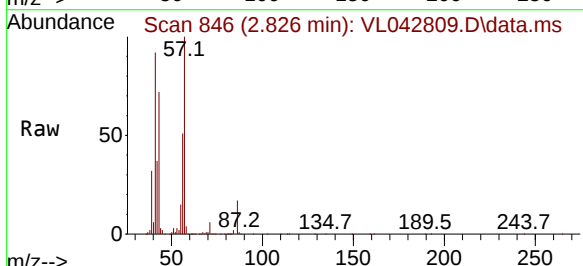
Tgt Ion: 84 Resp: 8919
Ion Ratio Lower Upper
84 100
49 155.3 138.6 208.0
51 46.0 40.6 61.0
86 59.3 49.8 74.8

Manual Integrations
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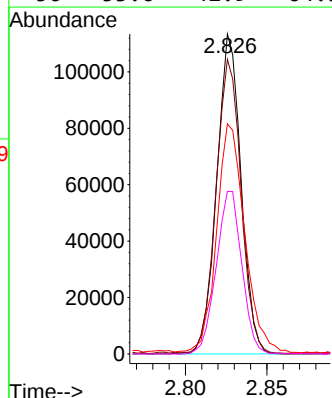
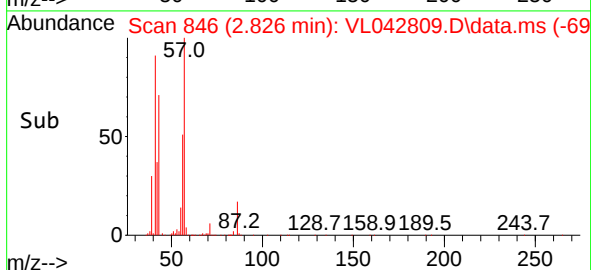
Reviewed By :Semsettin Yesilyurt 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

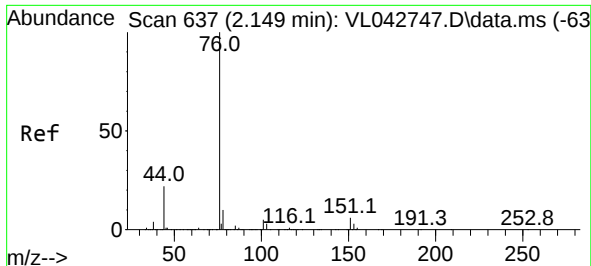


#26
Hexane
Concen: 5.801 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26



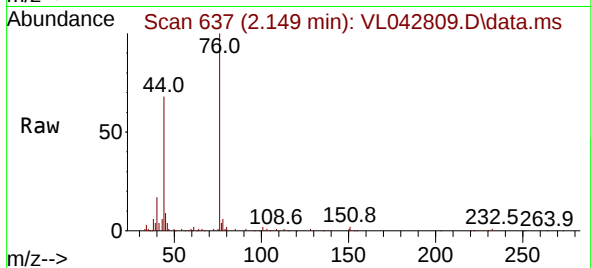
Tgt Ion: 57 Resp: 117368
Ion Ratio Lower Upper
57 100
41 96.2 75.4 113.2
43 84.5 185.0 277.6#
56 53.6 42.9 64.3





#27
Carbon Disulfide
Concen: 1.043 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

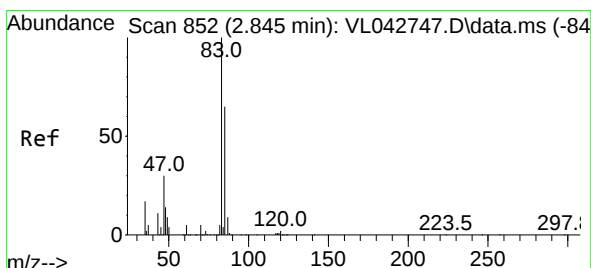
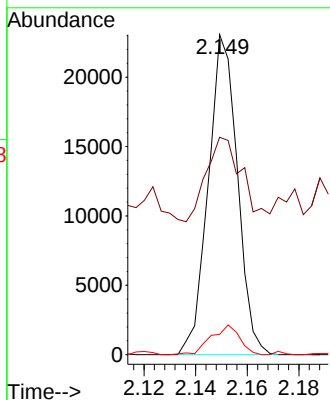
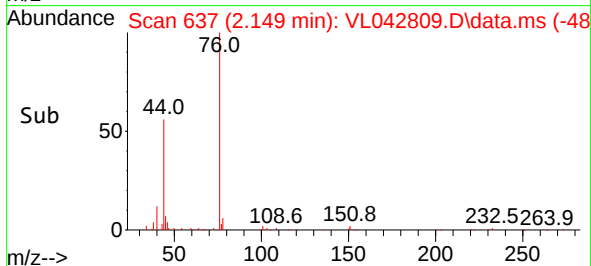
Instrument :
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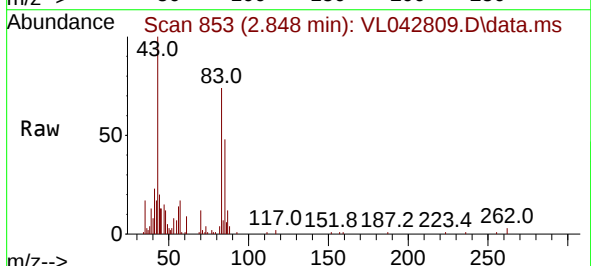
Tgt Ion: 76 Resp: 1807
Ion Ratio Lower Upper
76 100
44 0.0 19.3 28.9
78 10.5 9.9 14.9

Manual Integrations
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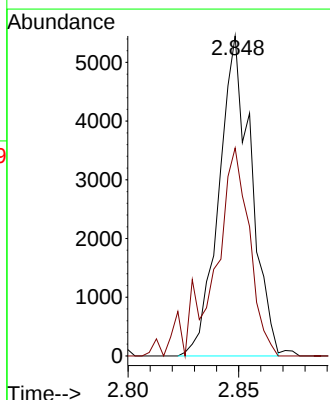
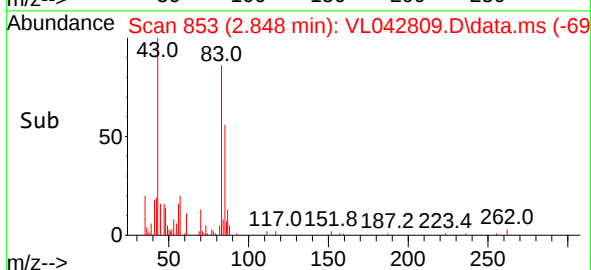
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Supervised By :Mahesh Dadoda 08/06/2025

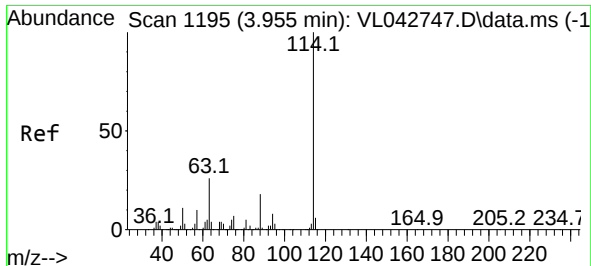


#29
Chloroform
Concen: 0.177 ppbv
RT: 2.848 min Scan# 853
Delta R.T. 0.003 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26



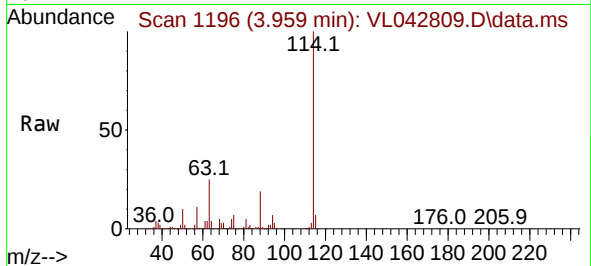
Tgt Ion: 83 Resp: 5518
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

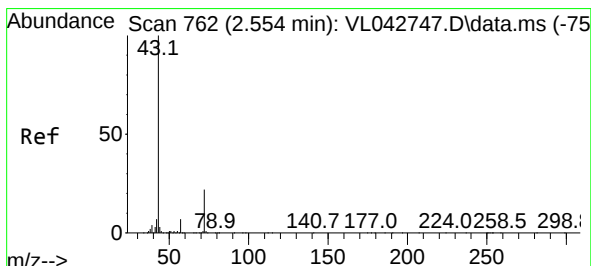
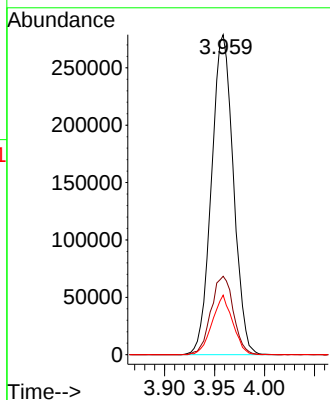
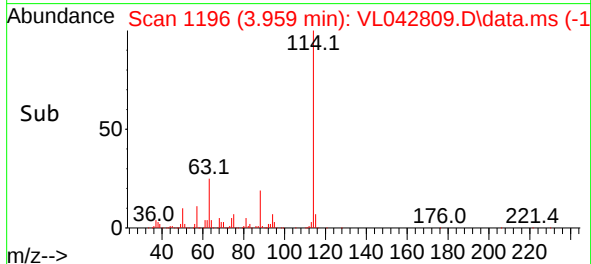
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-11



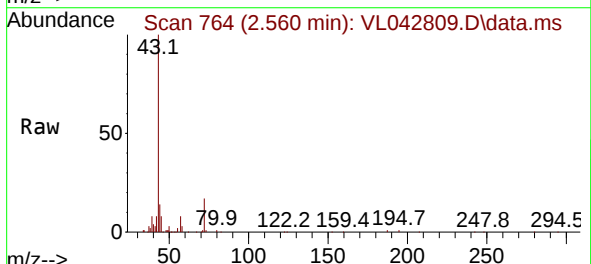
Tgt Ion:114 Resp: 42470
Ion Ratio Lower Upper
114 100
63 25.2 20.5 30.7
88 17.4 14.0 21.0

Manual Integrations
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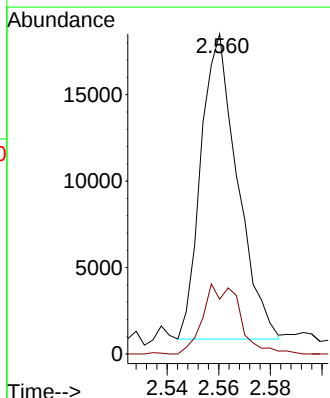
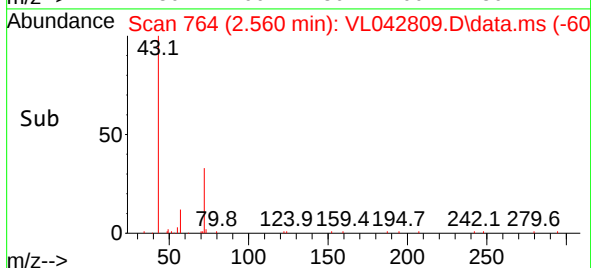
Reviewed By :Semsettin Yesilyurt 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

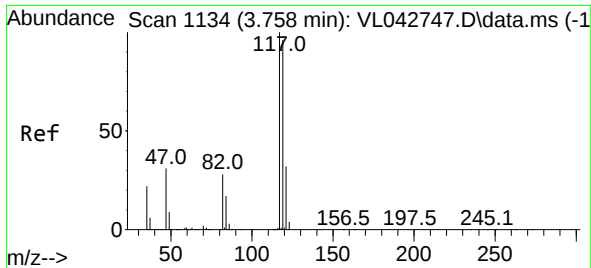


#34
2-Butanone
Concen: 0.575 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.006 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26



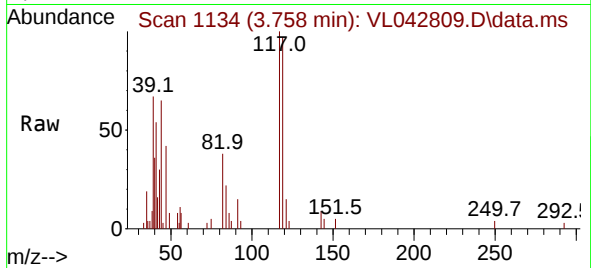
Tgt Ion: 43 Resp: 17312
Ion Ratio Lower Upper
43 100
72 23.2 17.4 26.0





#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 3.758 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

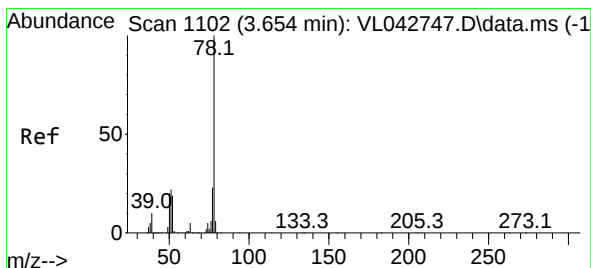
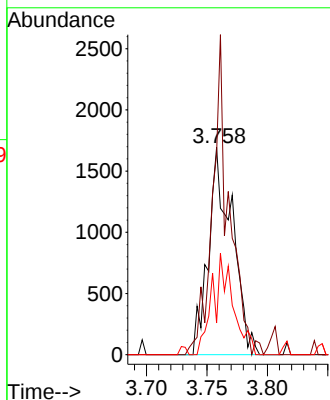
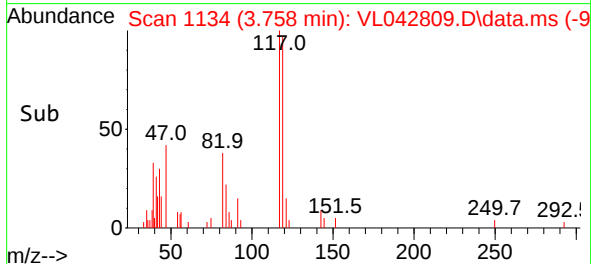
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-11



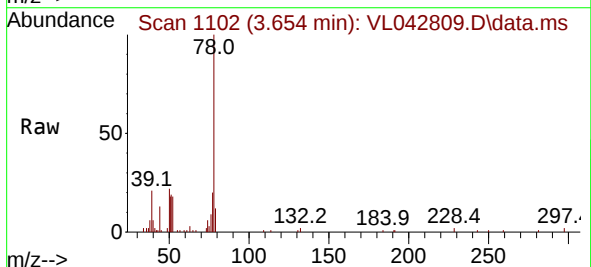
Tgt Ion:117 Resp: 2317
Ion Ratio Lower Upper
117 100
119 96.8 77.1 115.7
121 15.3 25.5 38.3

Manual Integrations
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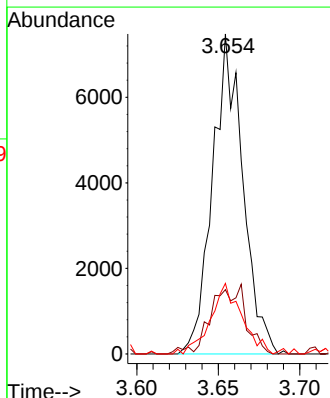
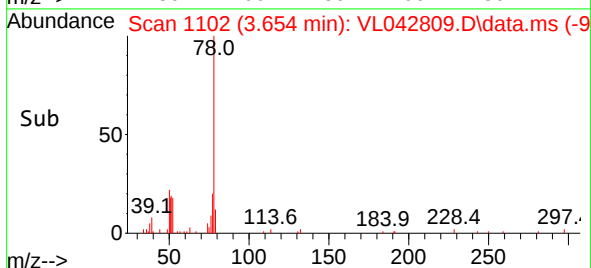
Reviewed By :Semsettin Yesilyurt 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

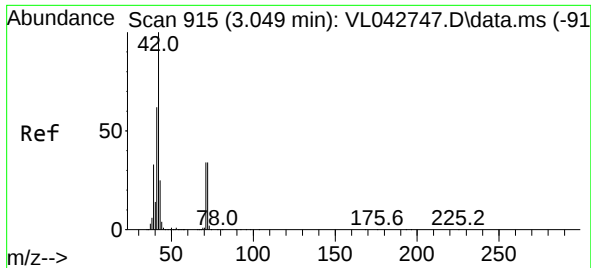


#36
Benzene
Concen: 0.240 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26



Tgt Ion: 78 Resp: 9665
Ion Ratio Lower Upper
78 100
77 20.1 18.5 27.7
50 21.3 16.2 24.2





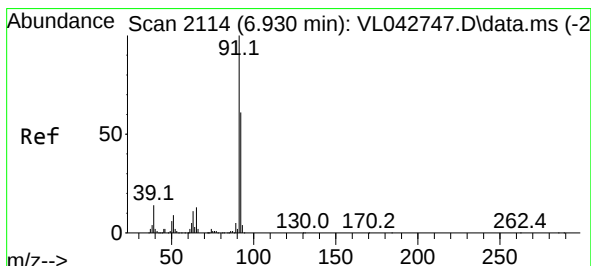
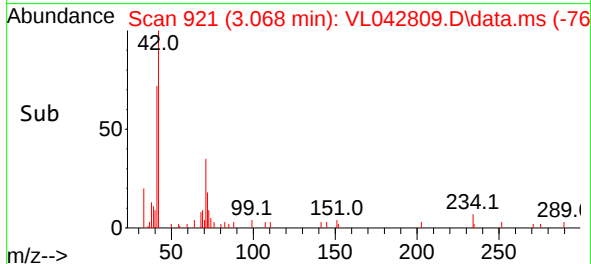
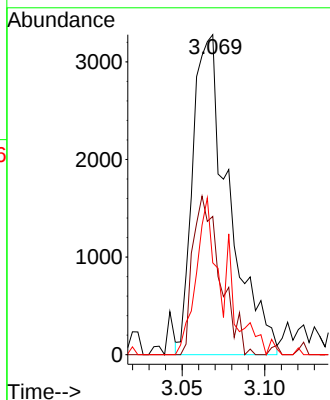
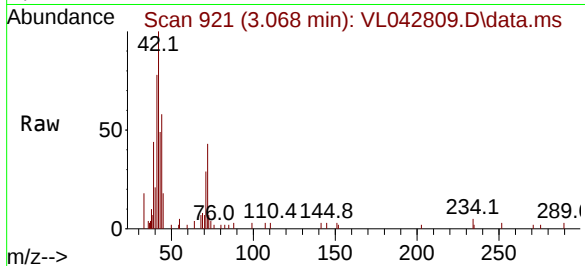
#41
Tetrahydrofuran
Concen: 0.325 ppbv m
RT: 3.068 min Scan# 915
Delta R.T. 0.019 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-11

Tgt Ion: 42 Resp: 4975
Ion Ratio Lower Upper
42 100
72 38.3 30.9 46.3
71 38.7 28.6 43.0

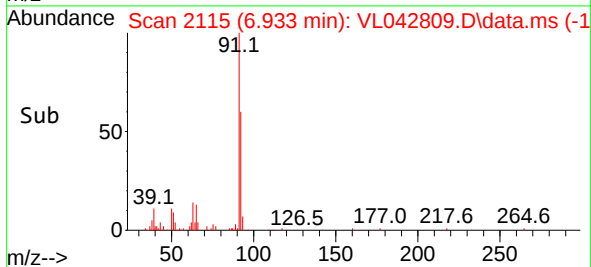
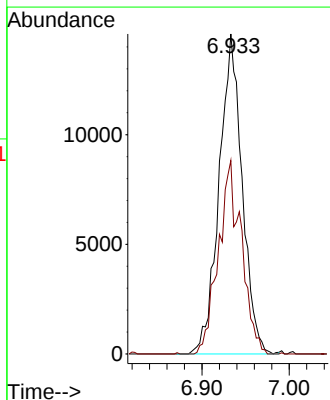
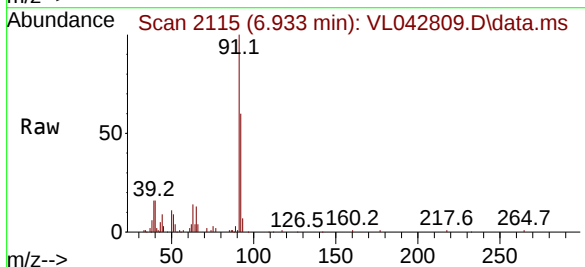
Manual Integrations
APPROVED

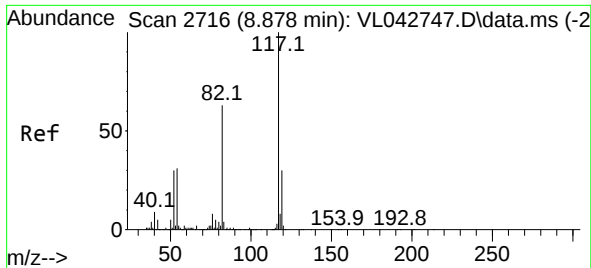
Reviewed By :Semsettin Yesilyurt 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#53
Toluene
Concen: 0.618 ppbv m
RT: 6.933 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

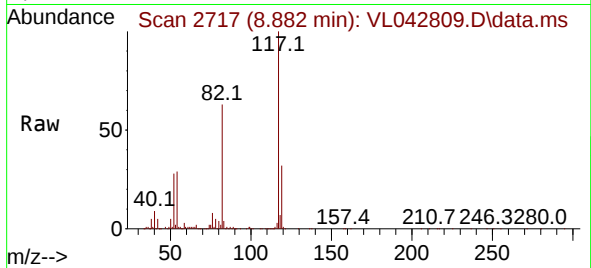
Tgt Ion: 91 Resp: 26702
Ion Ratio Lower Upper
91 100
92 60.7 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2117
Delta R.T. 0.003 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

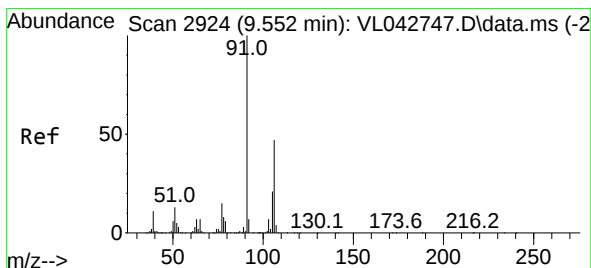
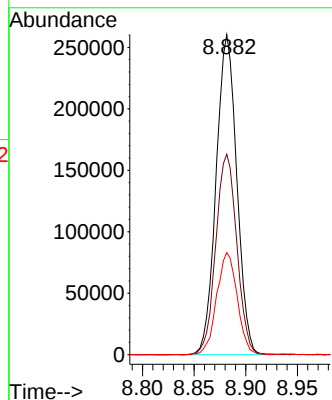
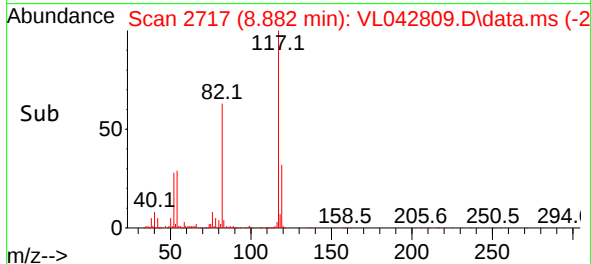
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-11



Tgt Ion: 117 Resp: 362958
Ion Ratio Lower Upper
117 100
82 63.7 53.3 79.9
119 32.0 25.8 38.6

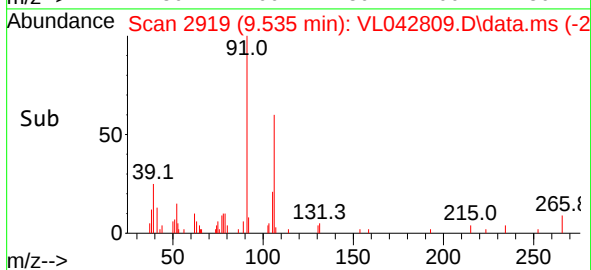
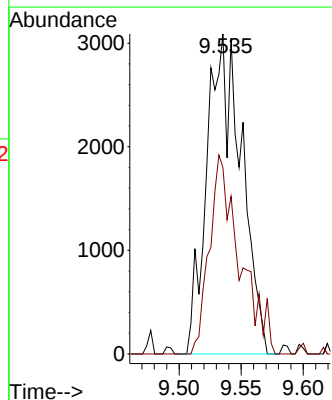
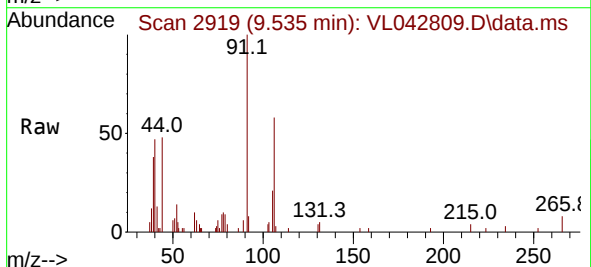
Manual Integrations
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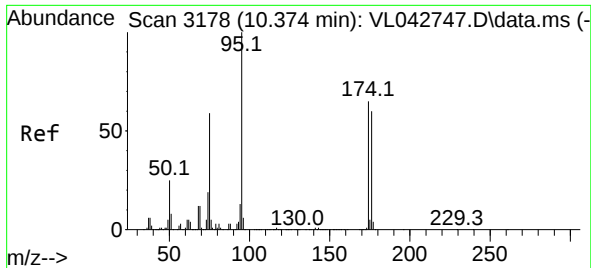
Reviewed By :Semsettin Yesilyurt 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#59
m/p-Xylene
Concen: 0.131 ppbv m
RT: 9.535 min Scan# 2919
Delta R.T. -0.016 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

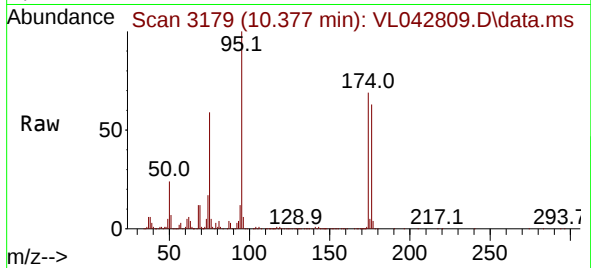
Tgt Ion: 91 Resp: 6001
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.987 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.003 min
 Lab File: VL042809.D
 Acq: 04 Aug 2025 17:26

Instrument :
 MSVOA_L
 ClientSampleId :
 WONDER IA-11



Tgt Ion: 95 Resp: 287050
 Ion Ratio Lower Upper
 95 100
 174 66.3 53.8 80.6
 175 5.1 4.0 6.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/06/2025
 Supervised By :Mahesh Dadoda 08/06/2025

