

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042801.D
 Acq On : 04 Aug 2025 12:56
 Operator : SY/MD
 Sample : Q2750-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 WONDER IA-3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/05/2025
 Supervised By :Mahesh Dadoda 08/05/2025

Quant Time: Aug 05 01:03:32 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 05 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	166612	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	474561	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	413546	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 344382 10.515 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	12194m	0.554	ppbv	
3) Chlorodifluoromethane	1.473	51	1610964	56.139	ppbv #	82
4) Chloromethane	1.531	50	5658	0.635	ppbv	90
9) Propene	1.486	41	190239m	18.241	ppbv	
11) Trichlorofluoromethane	1.874	101	4819	0.212	ppbv	97
13) Ethanol	1.725	45	4909025	6463.202	ppbv	94
15) Acetone	1.832	43	2255724	98.047	ppbv #	78
19) Isopropyl Alcohol	1.991	45	26462371	2164.446	ppbv #	38
20) Methylene Chloride	2.062	84	11537	1.591	ppbv	95
25) Ethyl Acetate	2.842	43	282908m	5.555	ppbv	
26) Hexane	2.823	57	38882	1.741	ppbv #	1
27) Carbon Disulfide	2.146	76	64759	3.386	ppbv #	65
29) Chloroform	2.849	83	19459	0.564	ppbv	92
34) 2-Butanone	2.567	43	38173	1.136	ppbv	93
35) Carbon Tetrachloride	3.758	117	2430m	0.069	ppbv	
36) Benzene	3.655	78	12792	0.284	ppbv #	85
41) Tetrahydrofuran	3.069	42	6398m	0.374	ppbv	
43) Methyl Methacrylate	4.868	69	2321m	0.145	ppbv	
44) 2,2,4-Trimethylpentane	4.635	57	7555m	0.103	ppbv	
53) Toluene	6.927	91	38671m	0.801	ppbv	
59) m/p-Xylene	9.529	91	11076m	0.212	ppbv	
61) Styrene	9.869	104	4962	0.226	ppbv	95
69) p-Isopropyltoluene	11.927	119	52018	0.656	ppbv	93
74) 1,2,4-Trimethylbenzene	11.539	105	8019	0.143	ppbv #	58
79) Naphthalene	13.513	128	2540	0.475	ppbv #	96

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

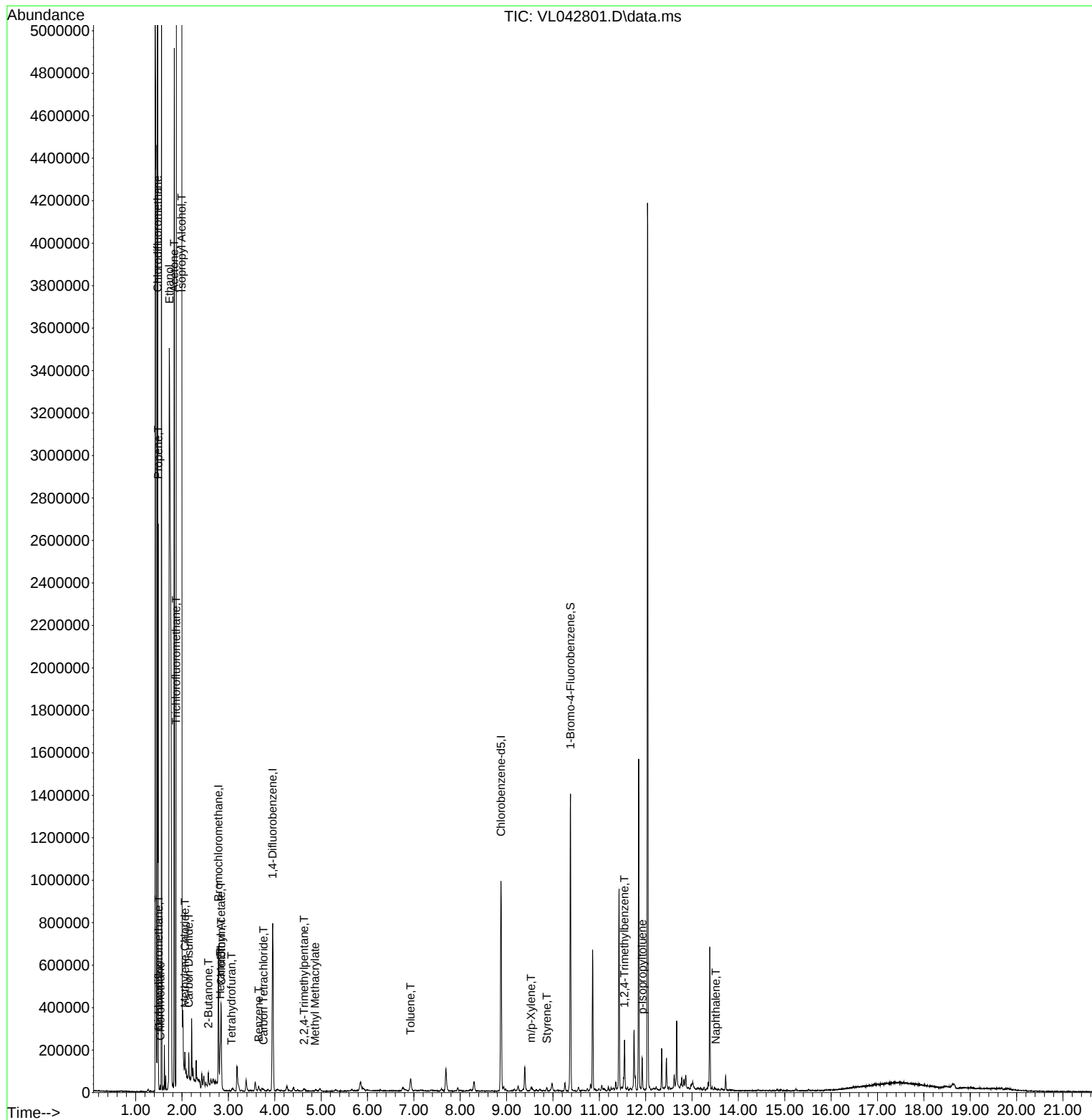
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042801.D
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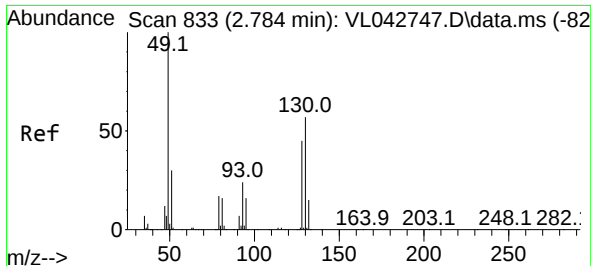
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-3

Quant Time: Aug 05 01:03:32 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
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Manual Integrations
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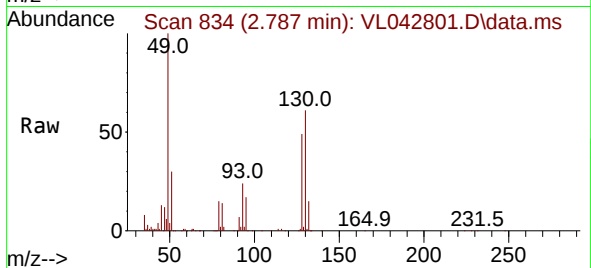
Reviewed By : Semsettin Yesilyurt 08/05/2025
Supervised By : Mahesh Dadoda 08/05/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 833
Delta R.T. 0.003 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

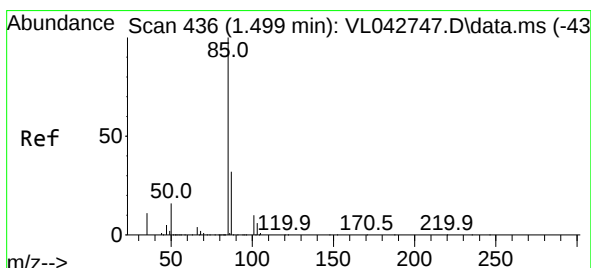
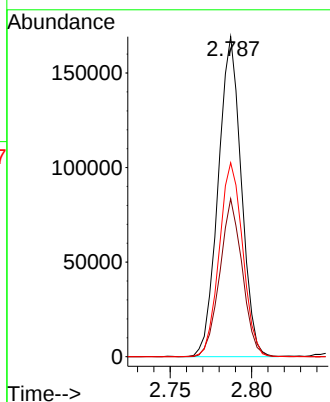
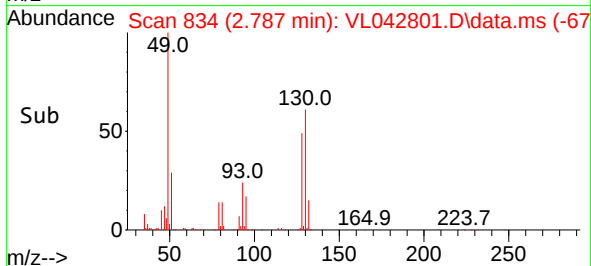
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-3



Tgt Ion: 49 Resp: 166612
Ion Ratio Lower Upper
49 100
128 48.0 23.6 71.0
130 61.6 30.3 90.8

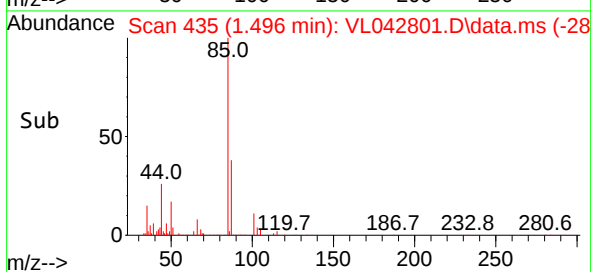
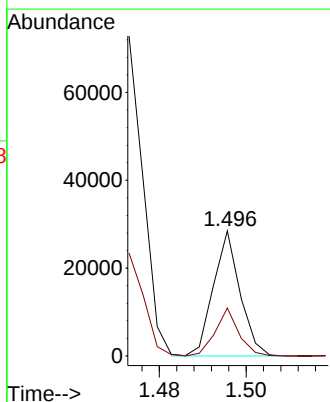
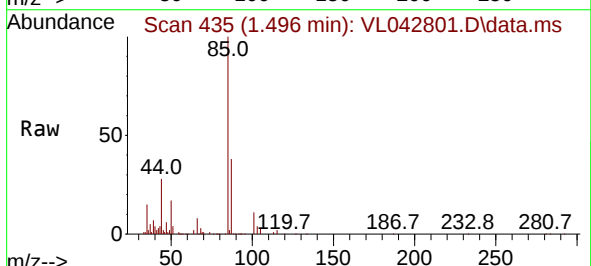
Manual Integrations
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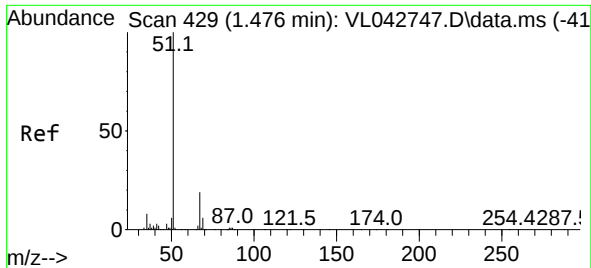
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#2
Dichlorodifluoromethane
Concen: 0.554 ppbv m
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

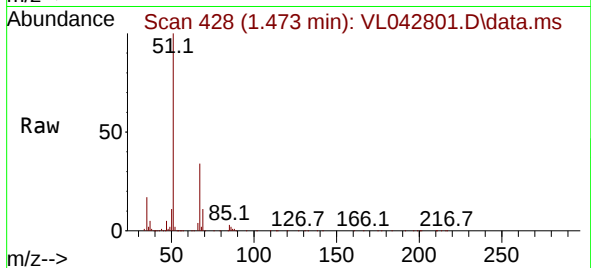
Tgt Ion: 85 Resp: 12194
Ion Ratio Lower Upper
85 100
87 38.3 25.4 38.2#





#3
Chlorodifluoromethane
Concen: 56.139 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

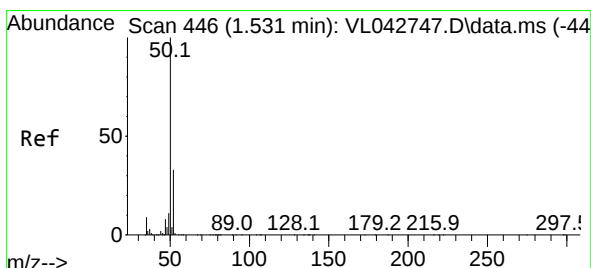
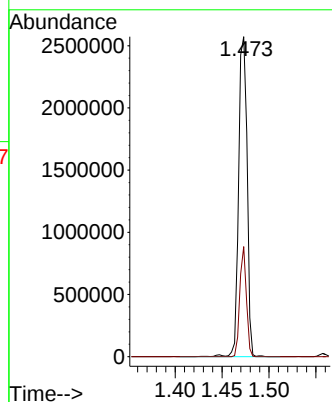
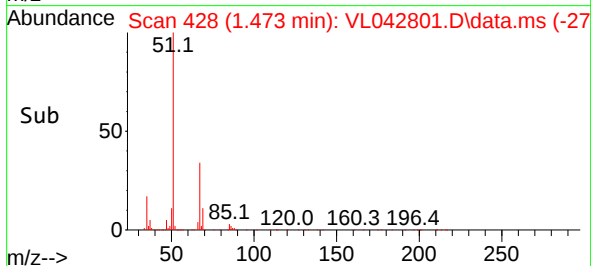
Instrument :
MSVOA_L
ClientSampleId :
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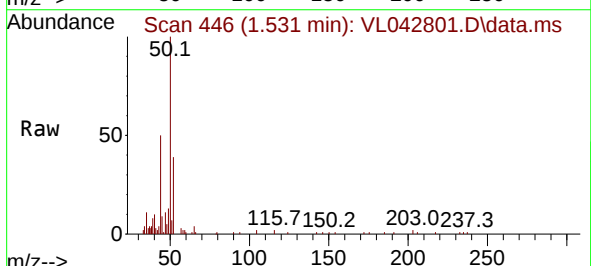
Tgt Ion: 51 Resp: 1610964
Ion Ratio Lower Upper
51 100
67 26.7 15.0 22.6

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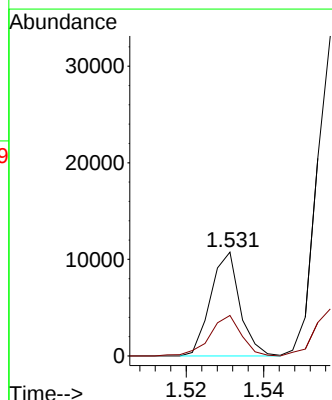
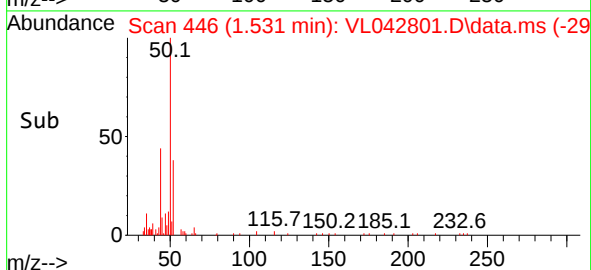
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

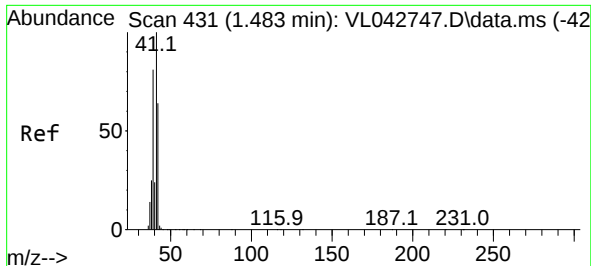


#4
Chloromethane
Concen: 0.635 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56



Tgt Ion: 50 Resp: 5658
Ion Ratio Lower Upper
50 100
52 38.9 26.6 40.0





#9

Propene

Concen: 18.241 ppbv m

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042801.D

Acq: 04 Aug 2025 12:56

Instrument :

MSVOA_L

ClientSampleId :

WONDER IA-3

Tgt Ion: 41 Resp: 190239

Ion Ratio Lower Upper

41 100

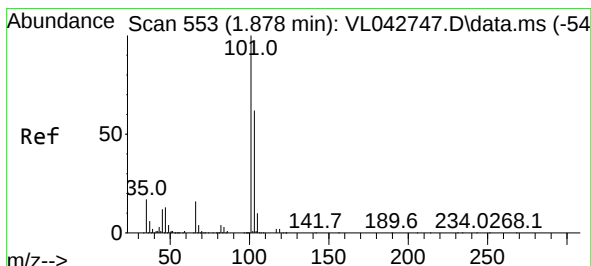
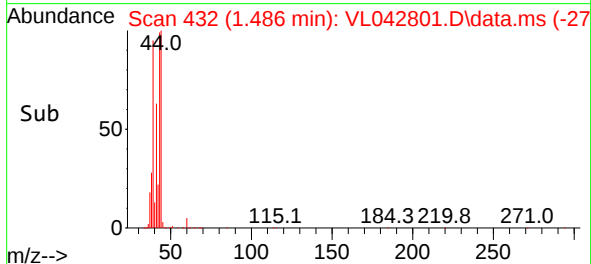
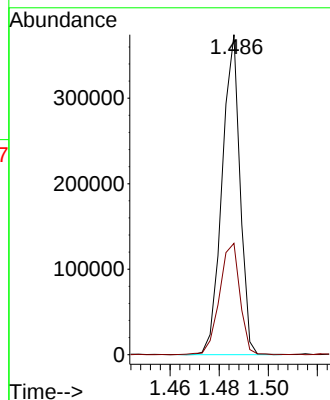
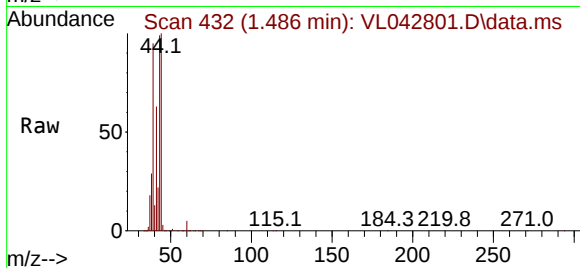
42 236.7 53.2 79.8

Manual Integrations

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Supervised By :Mahesh Dadoda 08/05/2025



#11

Trichlorofluoromethane

Concen: 0.212 ppbv

RT: 1.874 min Scan# 552

Delta R.T. -0.003 min

Lab File: VL042801.D

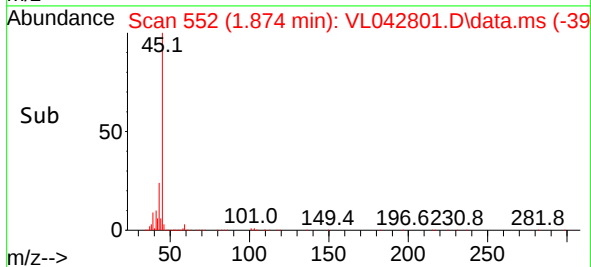
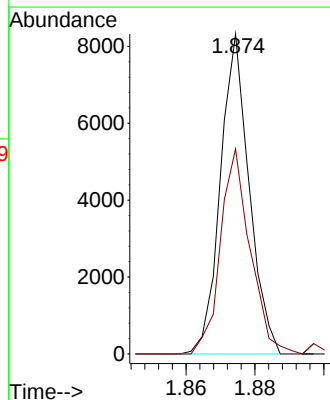
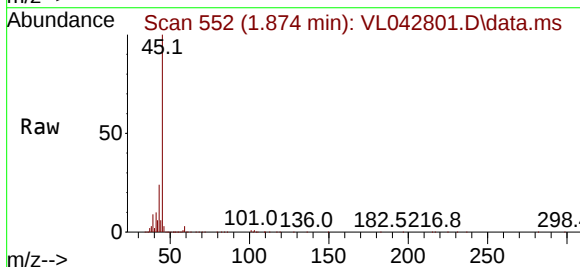
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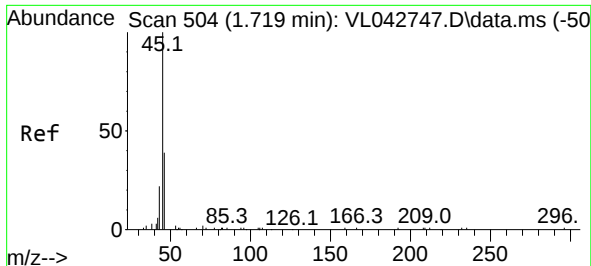
Tgt Ion:101 Resp: 4819

Ion Ratio Lower Upper

101 100

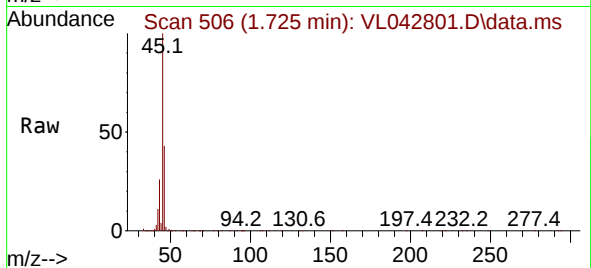
103 64.1 49.6 74.4





#13
Ethanol
Concen: 6463.202 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.007 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

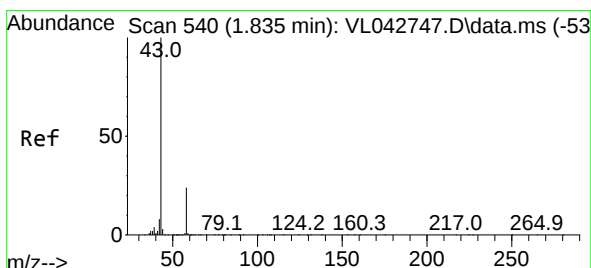
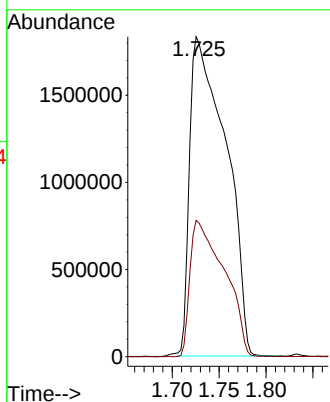
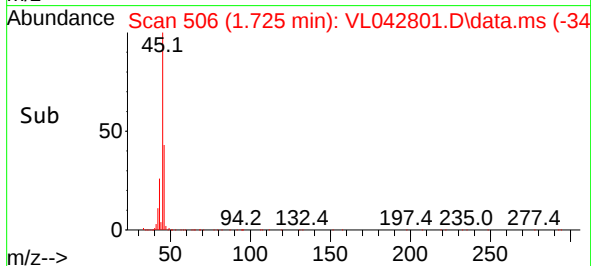
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-3



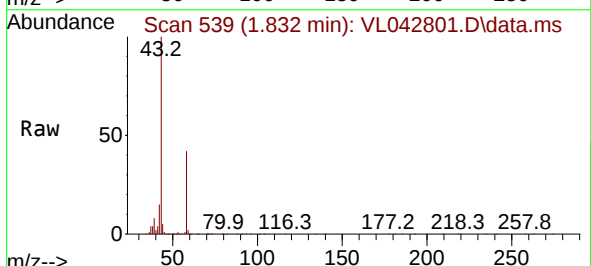
Tgt Ion: 45 Resp: 490902
Ion Ratio Lower Upper
45 100
46 40.7 17.8 71.4

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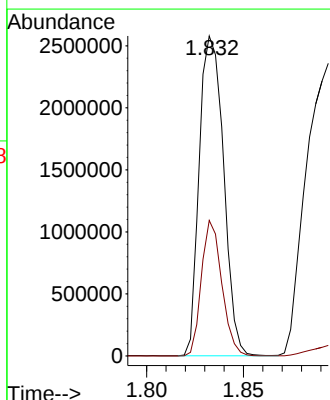
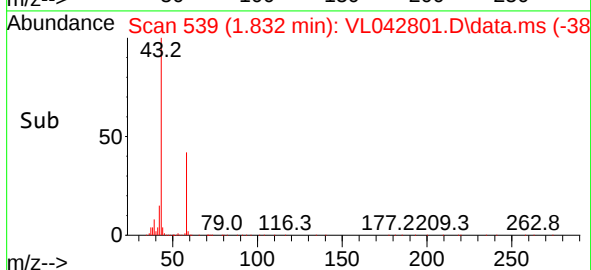
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

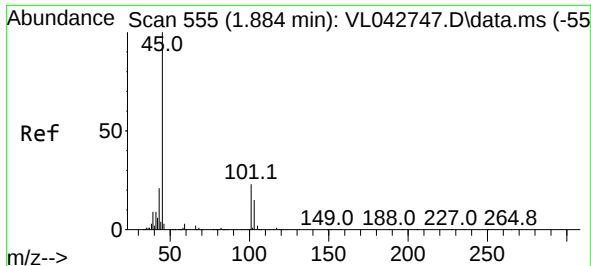


#15
Acetone
Concen: 98.047 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56



Tgt Ion: 43 Resp: 2255724
Ion Ratio Lower Upper
43 100
58 35.6 19.8 29.8#





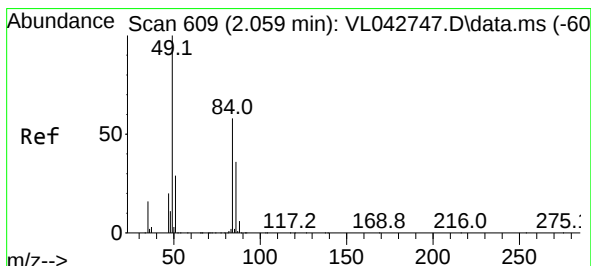
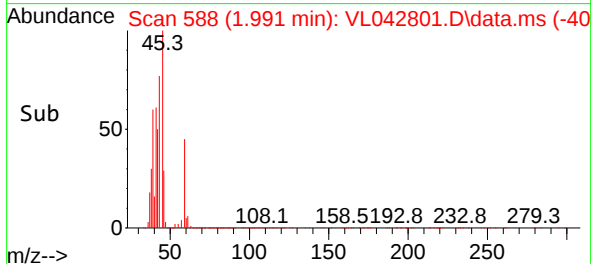
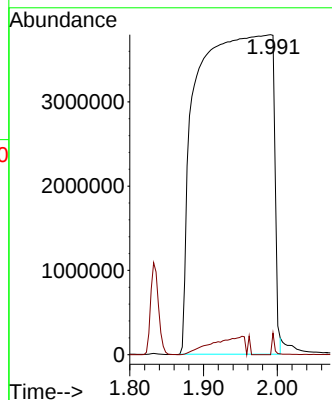
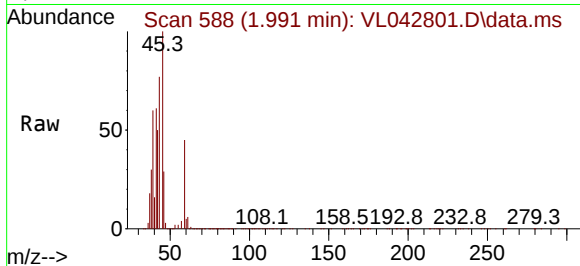
#19
Isopropyl Alcohol
Concen: 2164.446 ppbv
RT: 1.991 min Scan# 588
Delta R.T. 0.107 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 45 Resp: 2646237
Ion Ratio Lower Upper
45 100
58 0.3 30.0 45.0

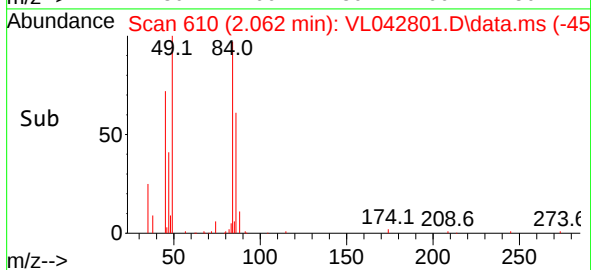
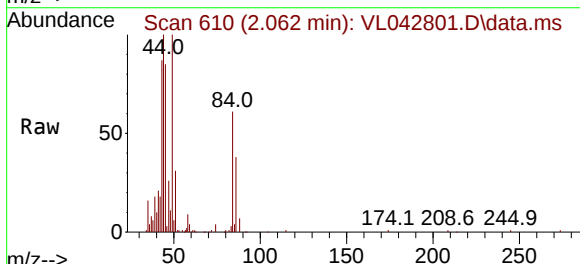
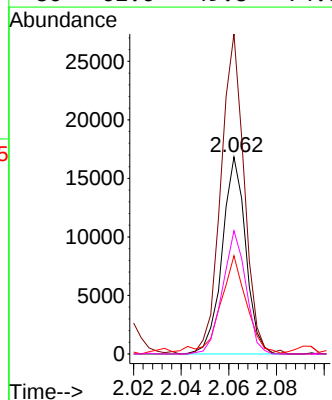
Manual Integrations
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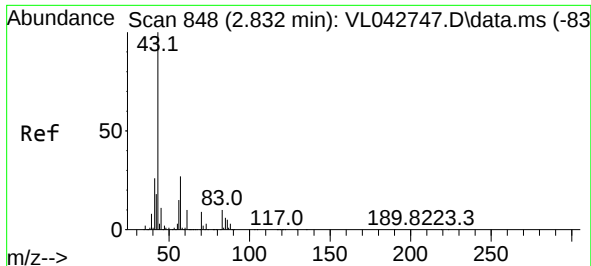
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#20
Methylene Chloride
Concen: 1.591 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

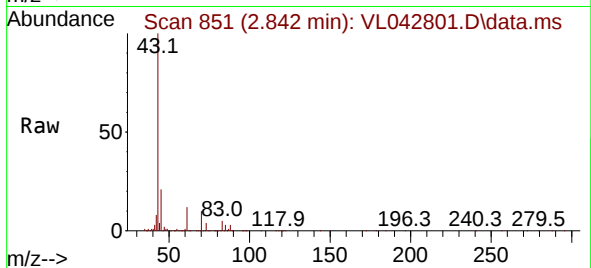
Tgt Ion: 84 Resp: 11537
Ion Ratio Lower Upper
84 100
49 162.5 138.6 208.0
51 49.4 40.6 61.0
86 62.6 49.8 74.8





#25
Ethyl Acetate
Concen: 5.555 ppbv m
RT: 2.842 min Scan# 848
Delta R.T. 0.010 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

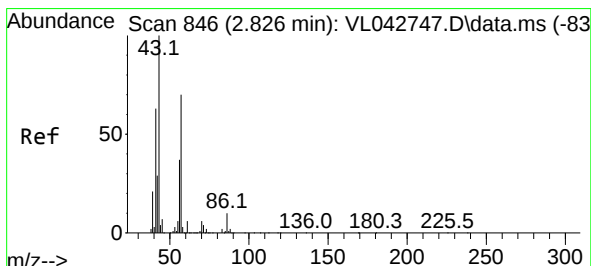
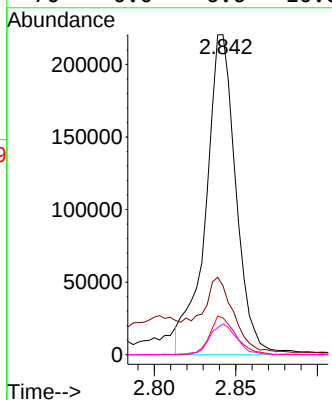
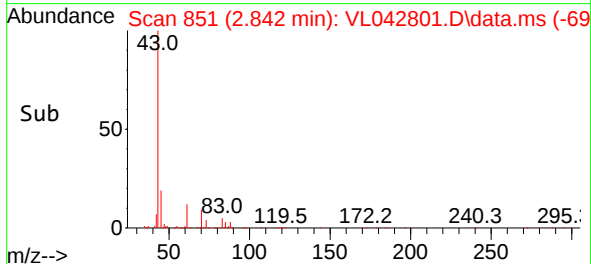
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-3



Tgt Ion: 43 Resp: 282908
Ion Ratio Lower Upper
43 100
45 0.0 7.8 11.6
61 0.0 6.7 10.1
70 0.0 6.6 10.0

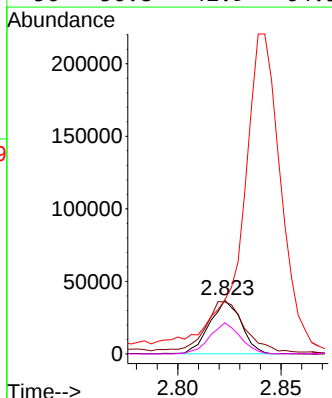
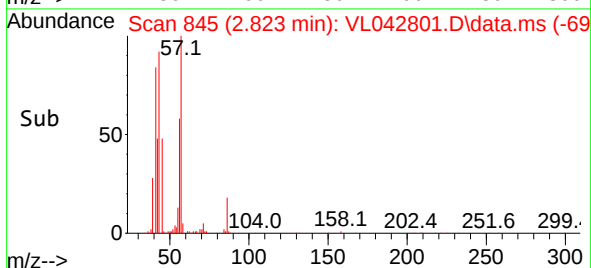
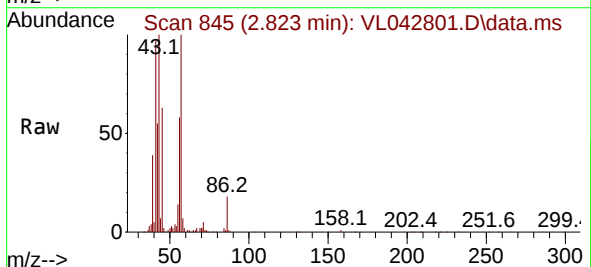
Manual Integrations
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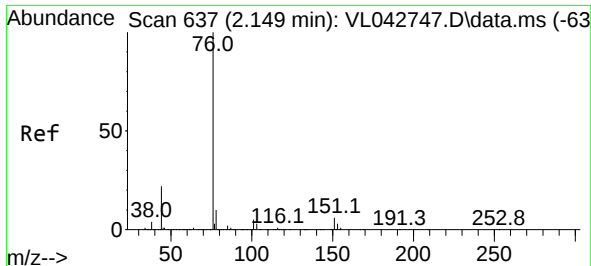
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#26
Hexane
Concen: 1.741 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

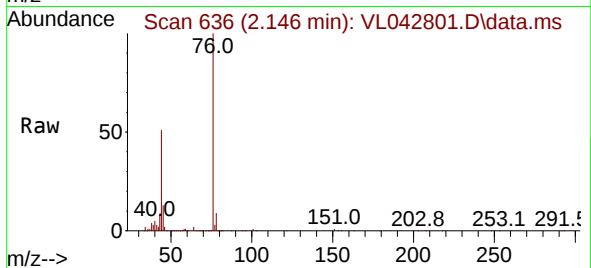
Tgt Ion: 57 Resp: 38882
Ion Ratio Lower Upper
57 100
41 138.8 75.4 113.2#
43 810.0 185.0 277.6#
56 56.8 42.9 64.3





#27
Carbon Disulfide
Concen: 3.386 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

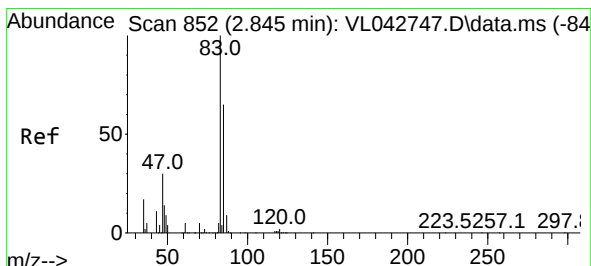
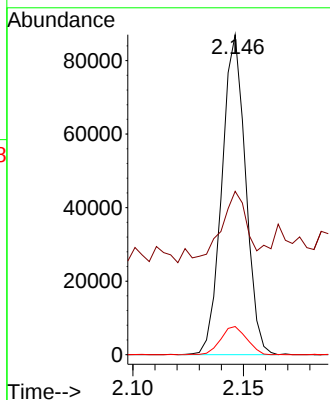
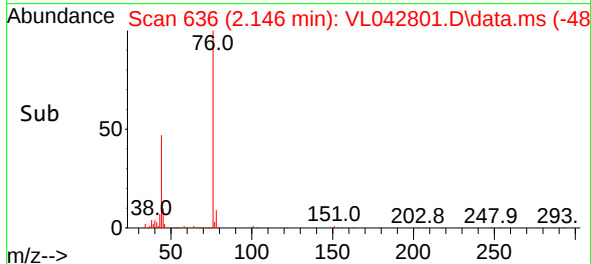
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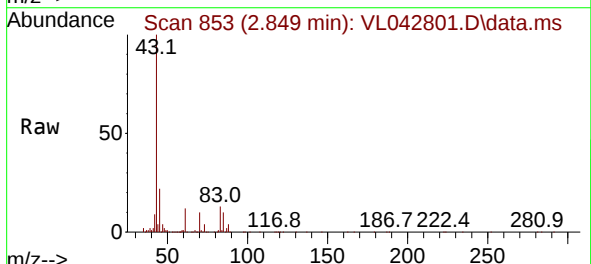
Tgt Ion: 76 Resp: 64759
Ion Ratio Lower Upper
76 100
44 0.0 19.3 28.9
78 9.7 9.9 14.9

Manual Integrations
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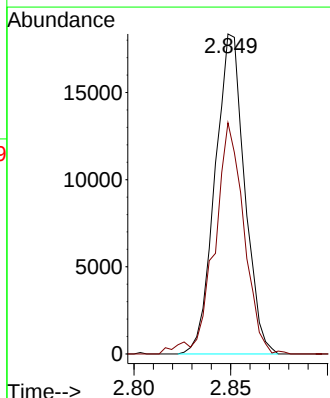
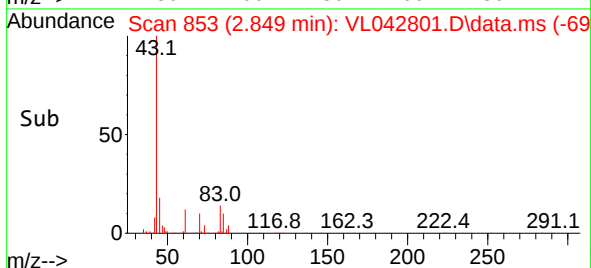
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

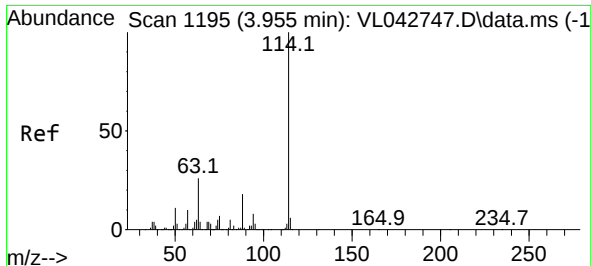


#29
Chloroform
Concen: 0.564 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.003 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56



Tgt Ion: 83 Resp: 19459
Ion Ratio Lower Upper
83 100
85 71.4 52.2 78.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. 0.000 min

Lab File: VL042801.D

Acq: 04 Aug 2025 12:56

Instrument :

MSVOA_L

ClientSampleId :

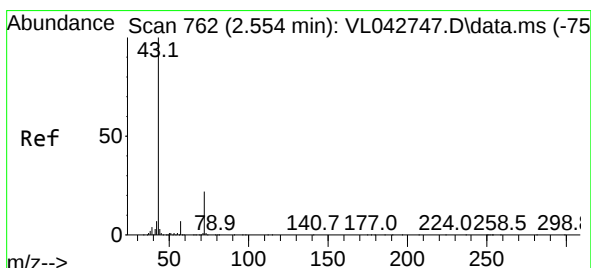
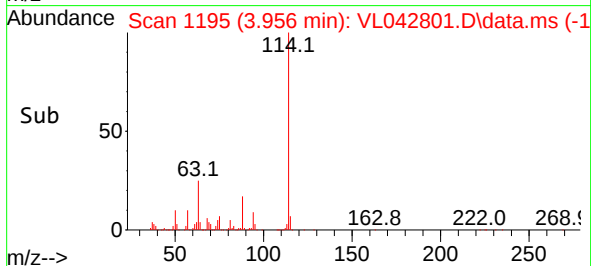
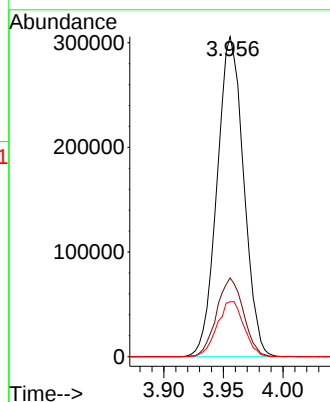
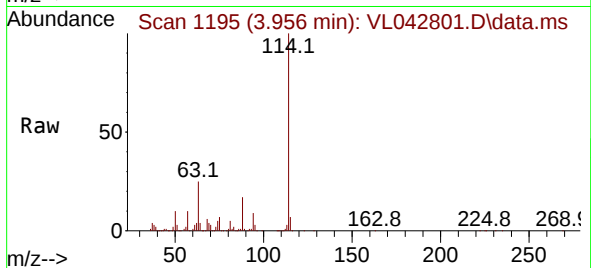
WONDER IA-3

Tgt Ion:114 Resp: 47456
 Ion Ratio Lower Upper
 114 100
 63 24.8 20.5 30.7
 88 17.4 14.0 21.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/05/2025
 Supervised By :Mahesh Dadoda 08/05/2025



#34

2-Butanone

Concen: 1.136 ppbv

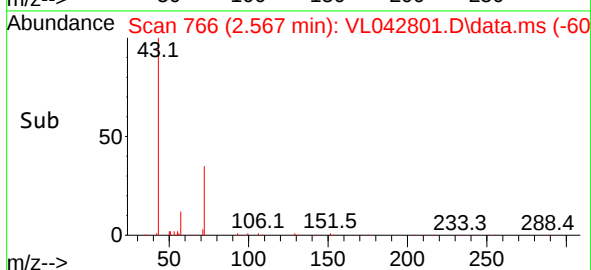
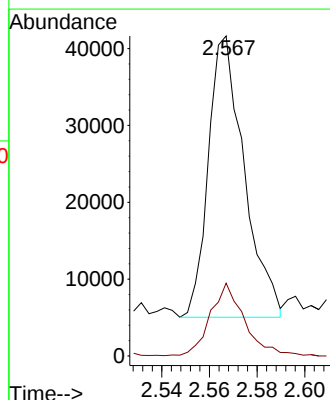
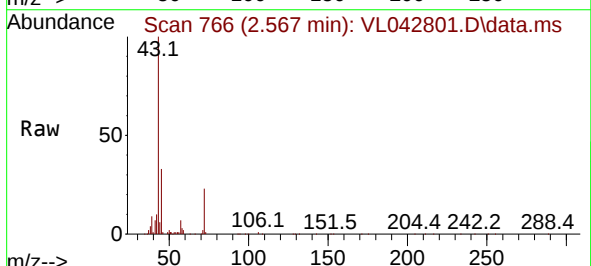
RT: 2.567 min Scan# 766

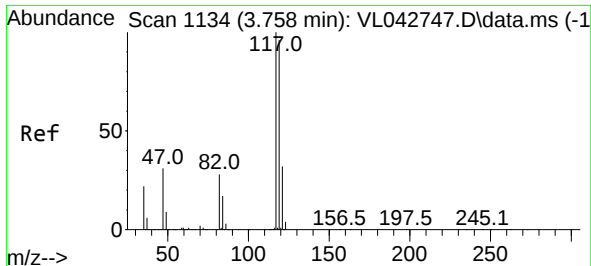
Delta R.T. 0.013 min

Lab File: VL042801.D

Acq: 04 Aug 2025 12:56

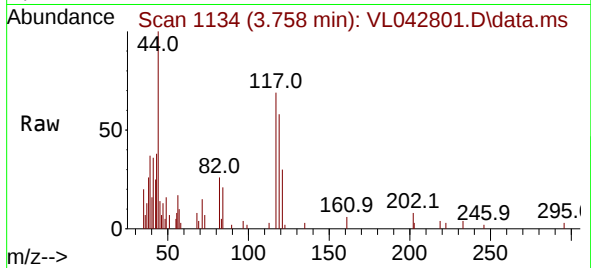
Tgt Ion: 43 Resp: 38173
 Ion Ratio Lower Upper
 43 100
 72 24.8 17.4 26.0





#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 3.758 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

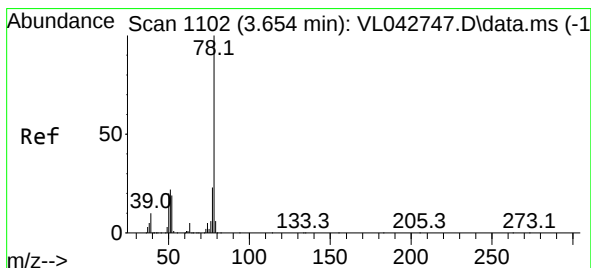
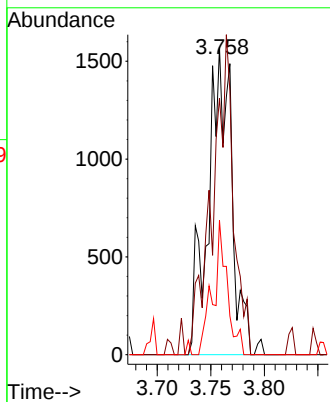
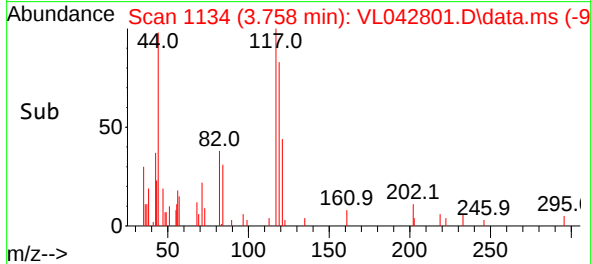
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-3



Tgt Ion: 117 Resp: 2430
Ion Ratio Lower Upper
117 100
119 83.5 77.1 115.7
121 43.6 25.5 38.3

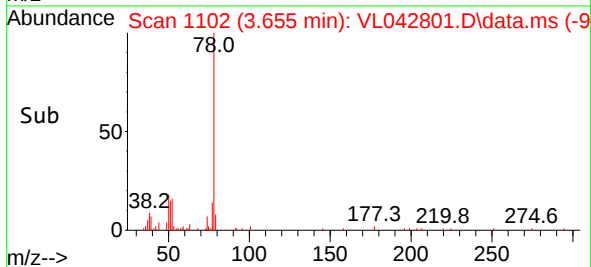
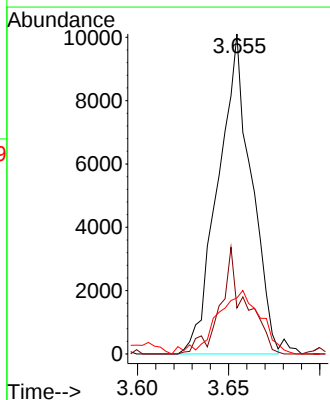
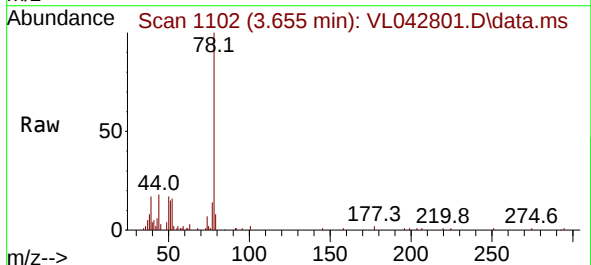
Manual Integrations
APPROVED

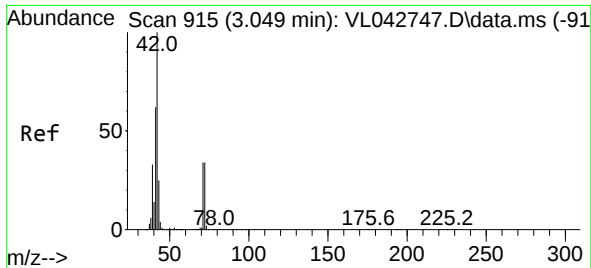
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#36
Benzene
Concen: 0.284 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

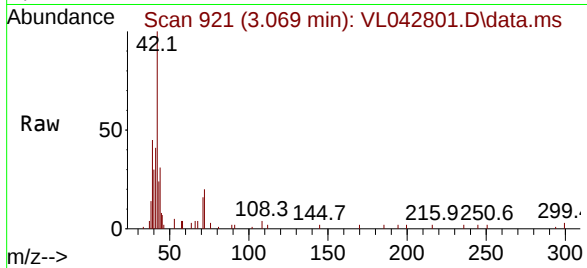
Tgt Ion: 78 Resp: 12792
Ion Ratio Lower Upper
78 100
77 14.4 18.5 27.7#
50 15.2 16.2 24.2#





#41
Tetrahydrofuran
Concen: 0.374 ppbv m
RT: 3.069 min Scan# 915
Delta R.T. 0.020 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

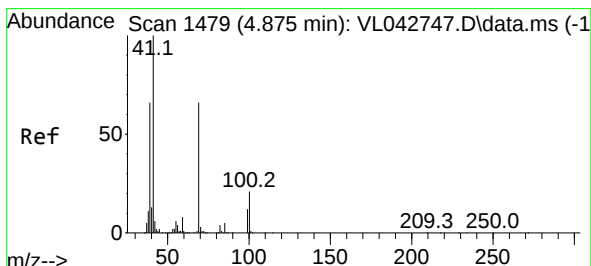
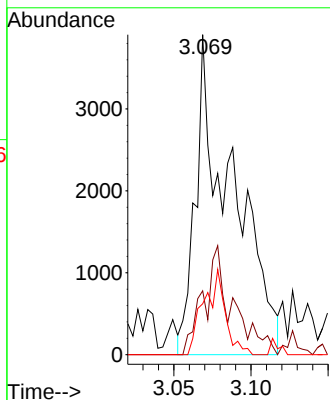
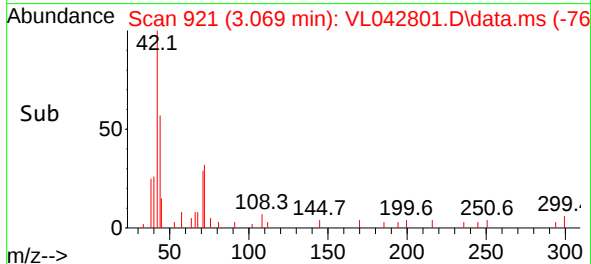
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-3



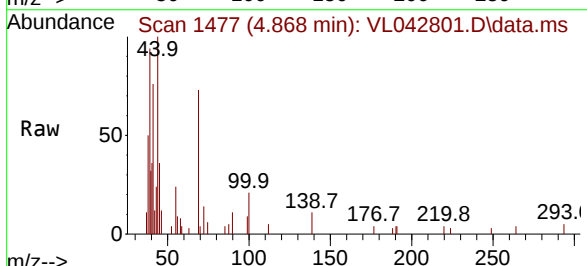
Tgt Ion: 42 Resp: 6398
Ion Ratio Lower Upper
42 100
72 0.0 30.9 46.3#
71 0.0 28.6 43.0#

Manual Integrations
APPROVED

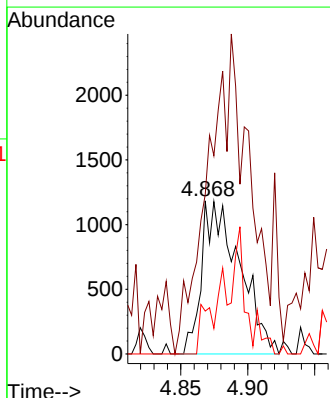
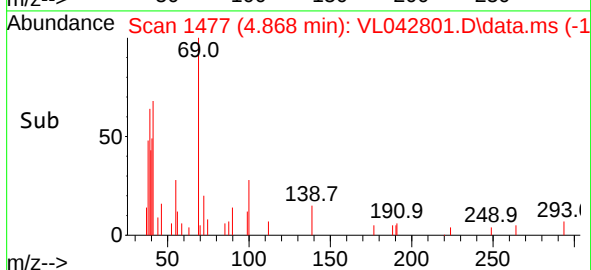
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

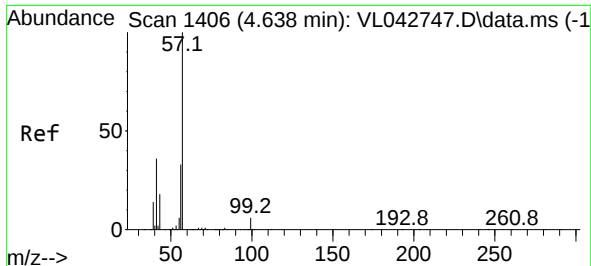


#43
Methyl Methacrylate
Concen: 0.145 ppbv m
RT: 4.868 min Scan# 1477
Delta R.T. -0.006 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56



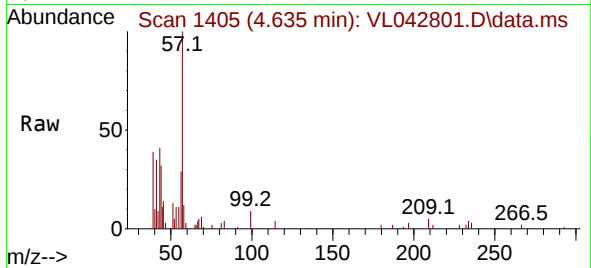
Tgt Ion: 69 Resp: 2321
Ion Ratio Lower Upper
69 100
41 0.0 125.7 188.5#
100 0.0 28.6 42.8#





#44
2,2,4-Trimethylpentane
Concen: 0.103 ppbv m
RT: 4.635 min Scan# 1406
Delta R.T. -0.003 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

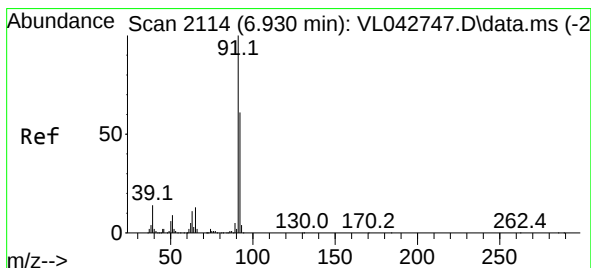
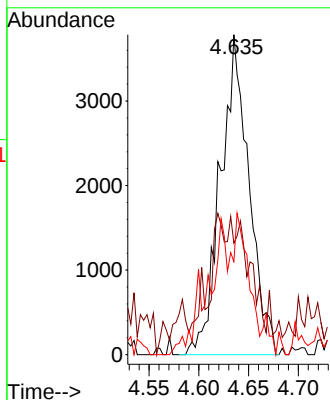
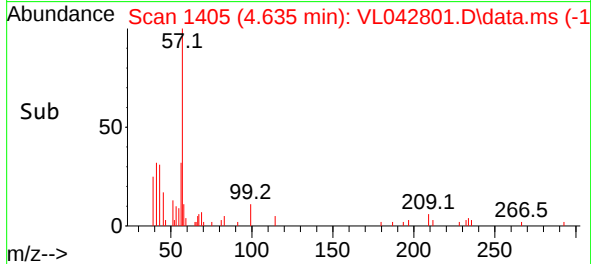
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-3



Tgt Ion: 57 Resp: 755
Ion Ratio Lower Upper
57 100
41 0.0 28.3 42.5
56 59.2 25.8 38.6

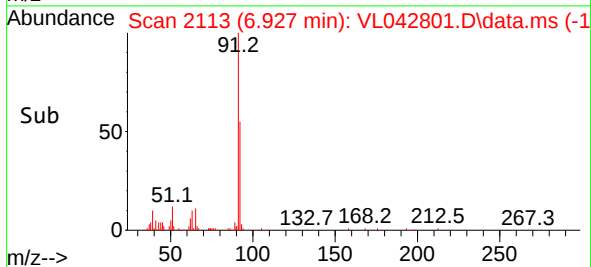
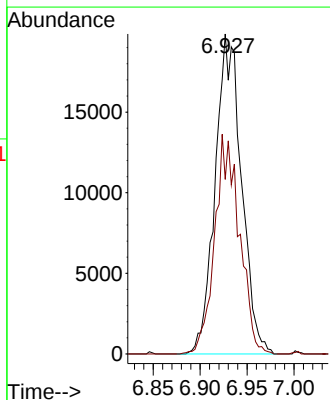
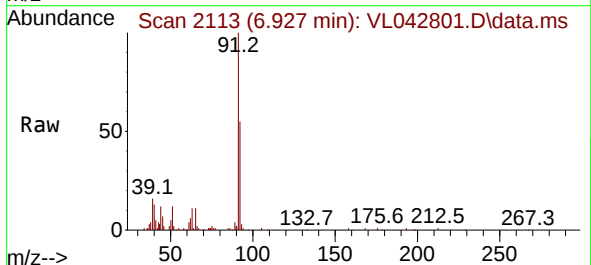
Manual Integrations
APPROVED

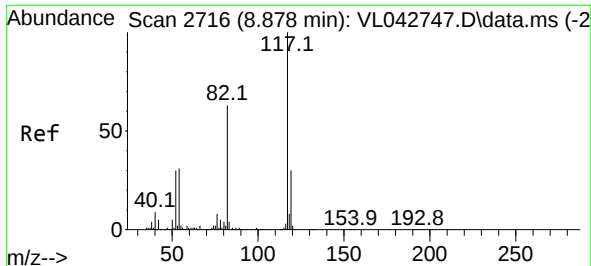
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#53
Toluene
Concen: 0.801 ppbv m
RT: 6.927 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

Tgt Ion: 91 Resp: 38671
Ion Ratio Lower Upper
91 100
92 0.0 48.0 72.0#





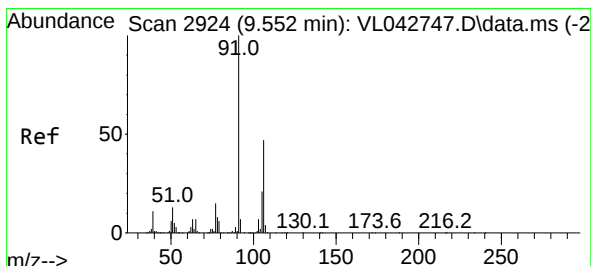
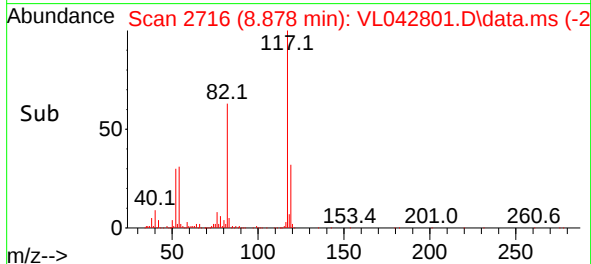
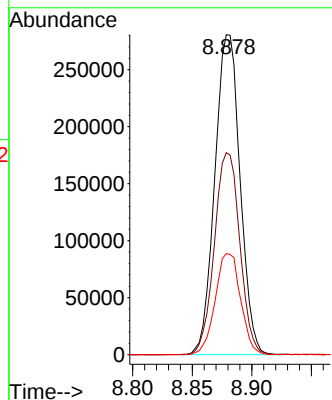
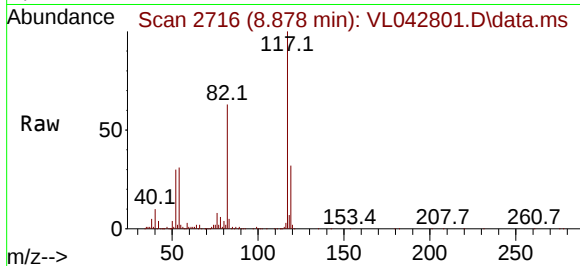
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-3

Tgt Ion:117 Resp: 413540
Ion Ratio Lower Upper
117 100
82 63.7 53.3 79.9
119 31.8 25.8 38.6

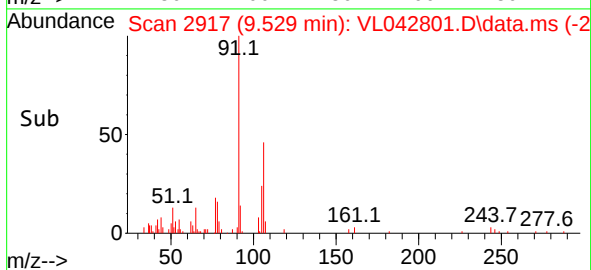
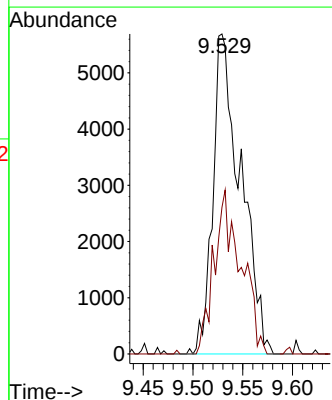
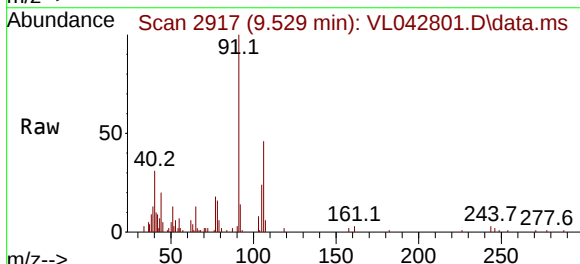
Manual Integrations
APPROVED

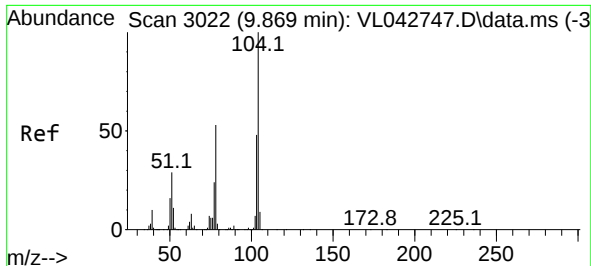
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#59
m/p-Xylene
Concen: 0.212 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.023 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

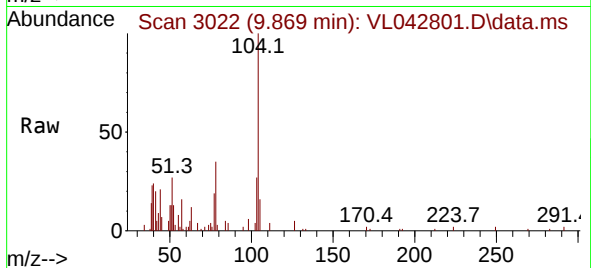
Tgt Ion: 91 Resp: 11076
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#





#61
Styrene
Concen: 0.226 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.000 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

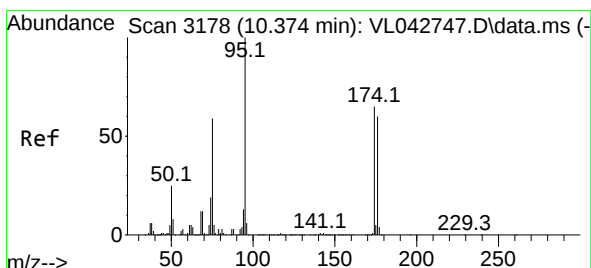
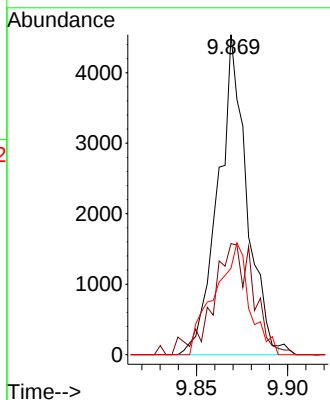
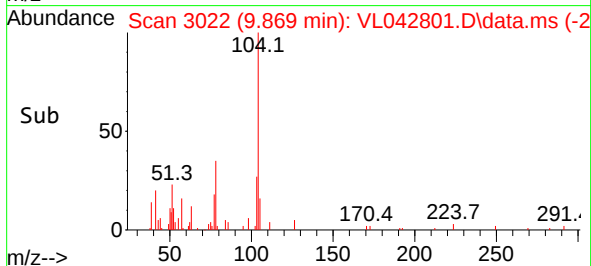
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-3



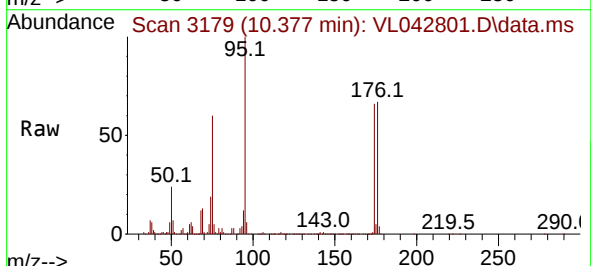
Tgt Ion:104 Resp: 4962
Ion Ratio Lower Upper
104 100
78 49.7 41.5 62.3
103 42.8 37.5 56.3

Manual Integrations
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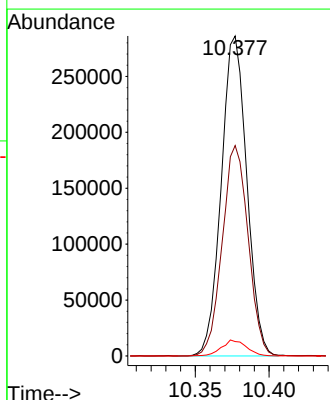
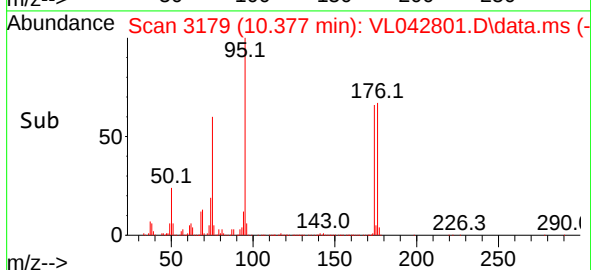
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

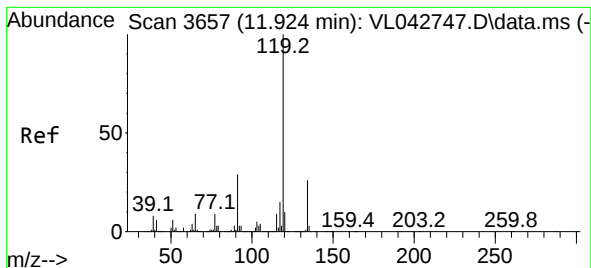


#68
1-Bromo-4-Fluorobenzene
Concen: 10.515 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56



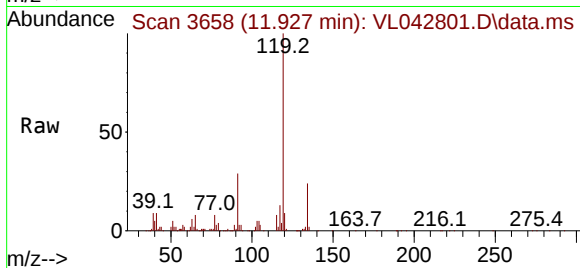
Tgt Ion: 95 Resp: 344382
Ion Ratio Lower Upper
95 100
174 66.7 53.8 80.6
175 4.9 4.0 6.0





#69
p-Isopropyltoluene
Concen: 0.656 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.003 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

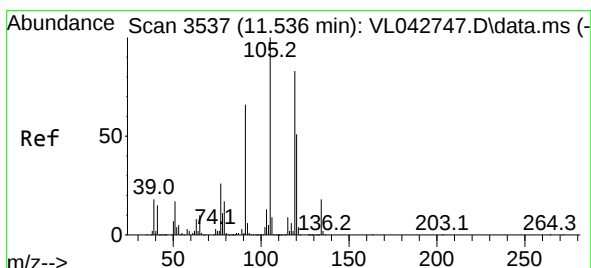
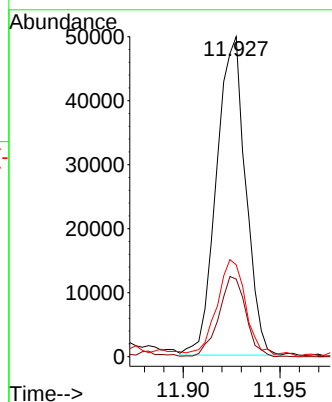
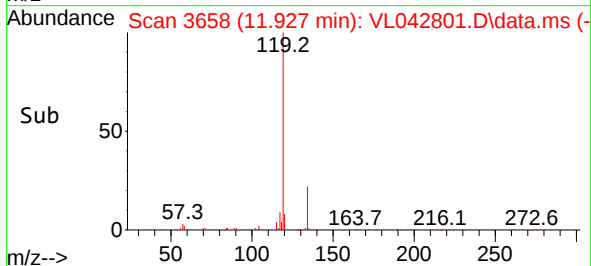
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-3



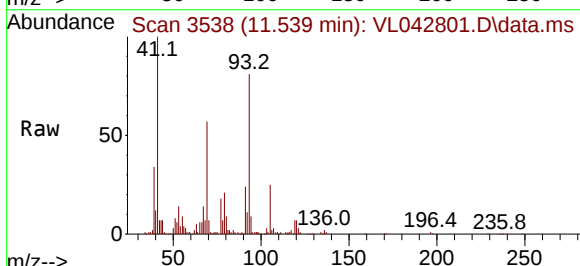
Tgt Ion:119 Resp: 52018
Ion Ratio Lower Upper
119 100
134 23.4 20.6 31.0
91 33.4 23.2 34.8

Manual Integrations
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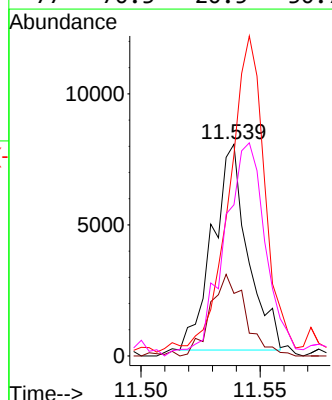
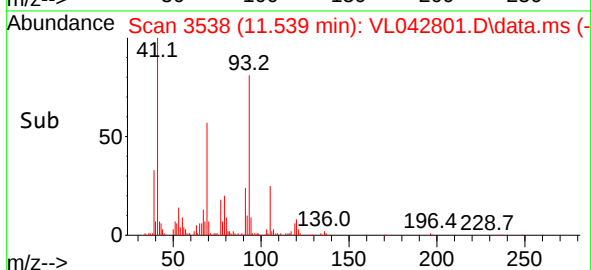
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

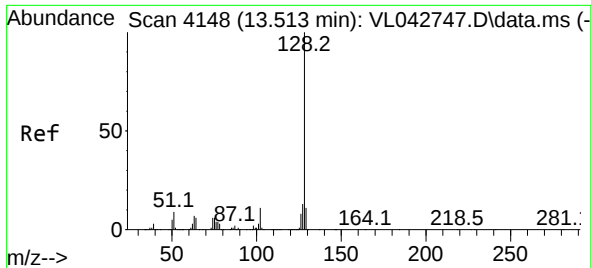


#74
1,2,4-Trimethylbenzene
Concen: 0.143 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56



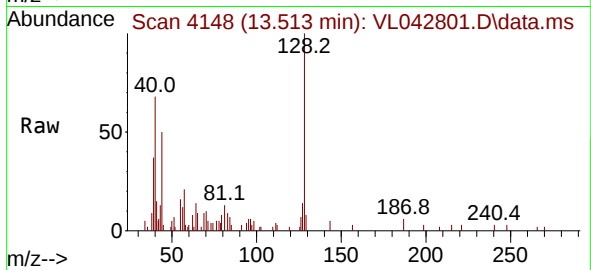
Tgt Ion:105 Resp: 8019
Ion Ratio Lower Upper
105 100
120 30.4 40.8 61.2#
91 92.8 53.0 79.4#
77 70.3 20.5 30.7#





#79
Naphthalene
Concen: 0.475 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. 0.000 min
Lab File: VL042801.D
Acq: 04 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-3



Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	8.5	8.6	13.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

