

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042804.D
 Acq On : 04 Aug 2025 14:37
 Operator : SY/MD
 Sample : Q2750-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 WONDER IA-6

Manual Integrations
 APPROVED

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

Quant Time: Aug 05 01:05:49 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 5 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	2.790	49	165635	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	469711	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	406040	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	346897	10.788	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	12410	0.567	ppbv	98
3) Chlorodifluoromethane	1.476	51	1563029	54.789	ppbv #	85
4) Chloromethane	1.531	50	6069	0.685	ppbv	92
9) Propene	1.486	41	166259m	16.035	ppbv	
11) Trichlorofluoromethane	1.878	101	4654	0.206	ppbv	99
13) Ethanol	1.729	45	4952347	6558.716	ppbv	94
15) Acetone	1.835	43	2236923	97.803	ppbv #	78
19) Isopropyl Alcohol	1.988	45	25024359	2058.899	ppbv #	39
20) Methylene Chloride	2.065	84	13675	1.897	ppbv	94
25) Ethyl Acetate	2.845	43	260960m	5.155	ppbv	
26) Hexane	2.826	57	36940	1.663	ppbv #	1
27) Carbon Disulfide	2.149	76	56958	2.996	ppbv #	66
29) Chloroform	2.852	83	19685	0.574	ppbv	95
34) 2-Butanone	2.567	43	35229	1.059	ppbv	97
35) Carbon Tetrachloride	3.771	117	2263m	0.065	ppbv	
36) Benzene	3.654	78	12364	0.278	ppbv #	88
43) Methyl Methacrylate	4.901	69	2228m	0.141	ppbv	
53) Toluene	6.943	91	44063m	0.922	ppbv	
59) m/p-Xylene	9.535	91	11877m	0.232	ppbv	
61) Styrene	9.875	104	4911	0.228	ppbv	94
69) p-Isopropyltoluene	11.927	119	60257m	0.774	ppbv	
74) 1,2,4-Trimethylbenzene	11.539	105	7912	0.144	ppbv #	71
79) Naphthalene	13.523	128	1719	0.463	ppbv #	73

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

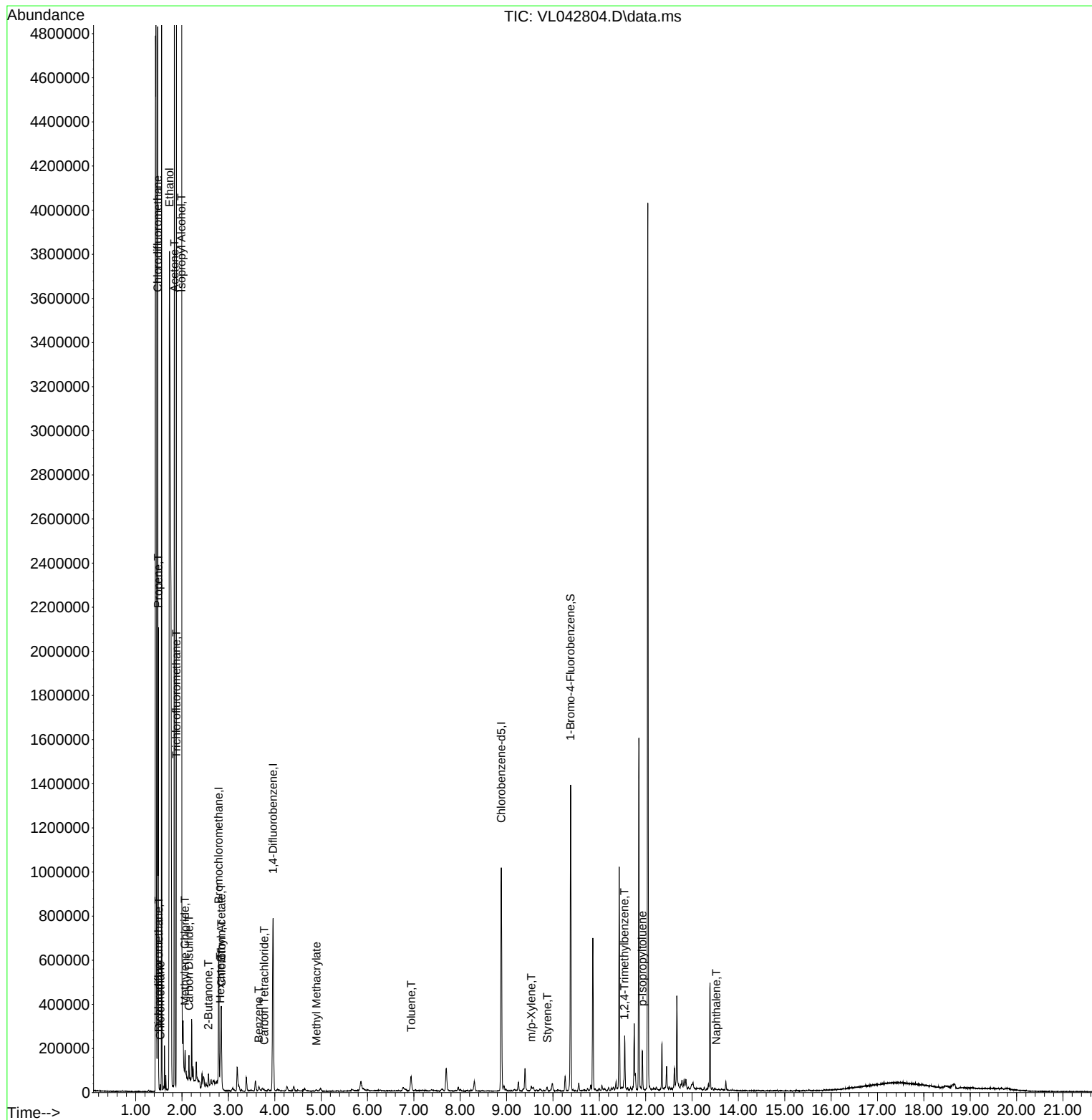
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
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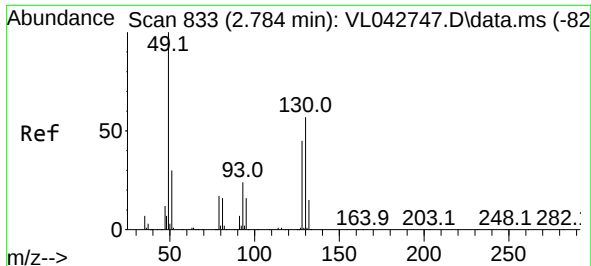
Instrument :
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ClientSampleId :
WONDER IA-6

Quant Time: Aug 05 01:05:49 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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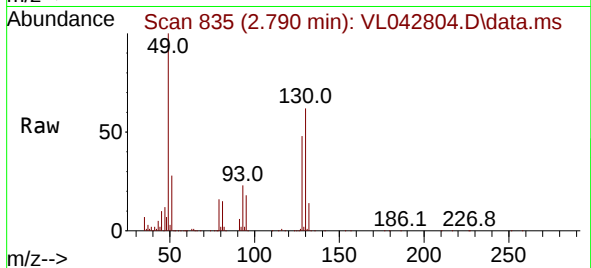
Reviewed By : Semsettin Yesilyurt 08/05/2025
Supervised By : Mahesh Dadoda 08/05/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

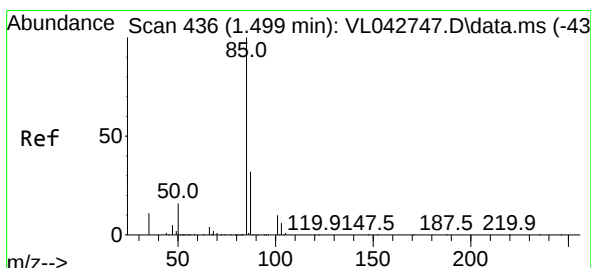
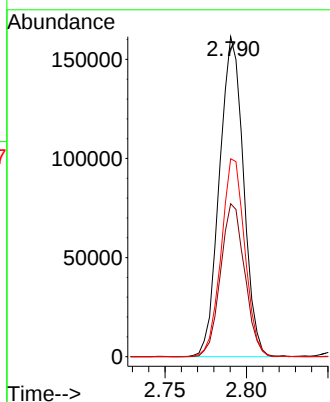
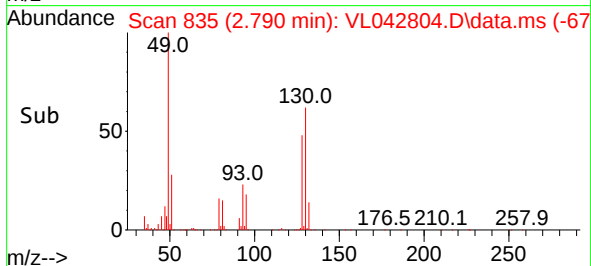
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6



Tgt Ion: 49 Resp: 16563
Ion Ratio Lower Upper
49 100
128 47.9 23.6 71.0
130 60.9 30.3 90.8

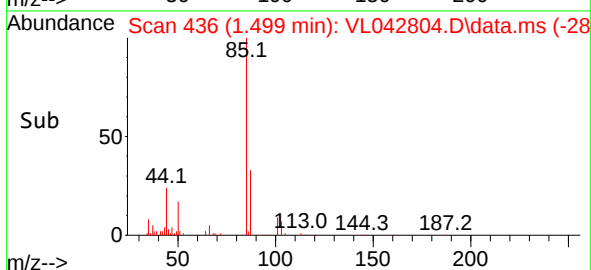
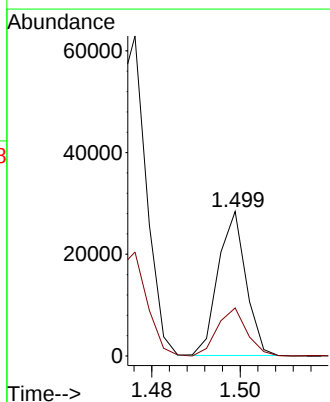
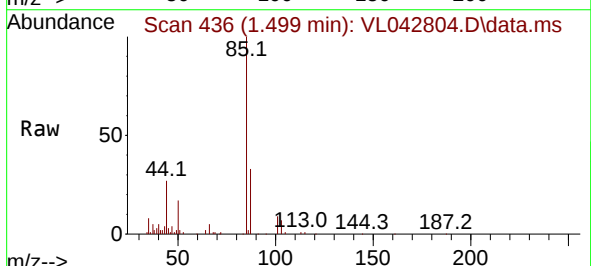
Manual Integrations
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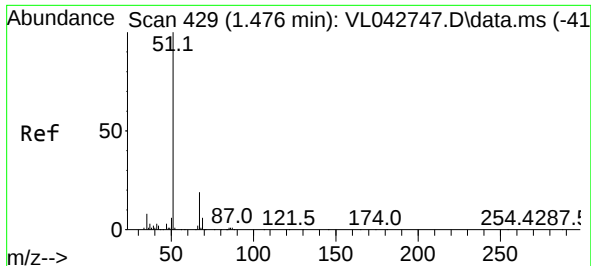
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#2
Dichlorodifluoromethane
Concen: 0.567 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

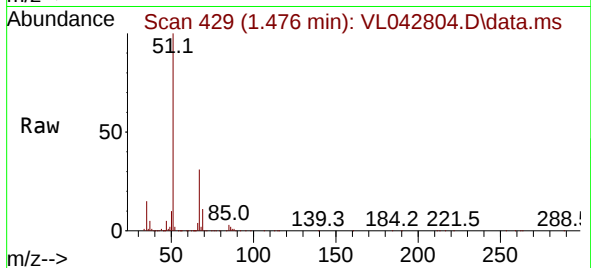
Tgt Ion: 85 Resp: 12410
Ion Ratio Lower Upper
85 100
87 33.2 25.4 38.2





#3
Chlorodifluoromethane
Concen: 54.789 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

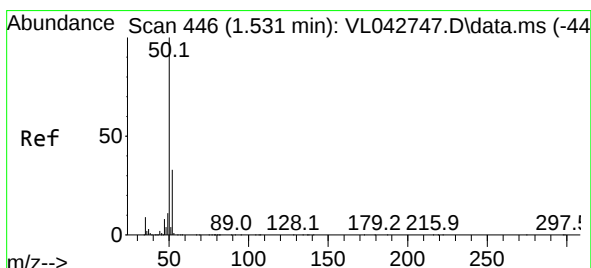
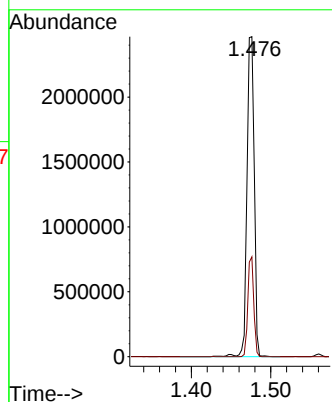
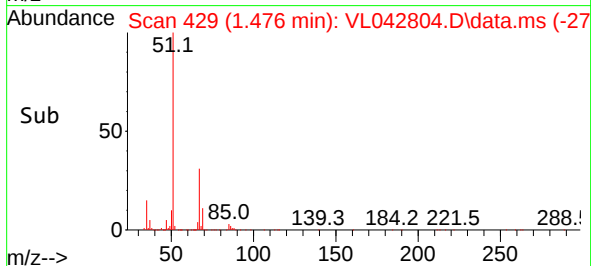
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6



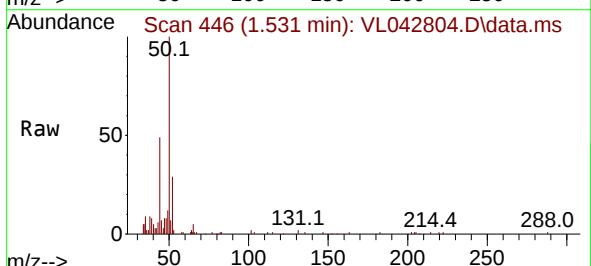
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Ion Ratio Lower Upper
51 100
67 25.6 15.0 22.6

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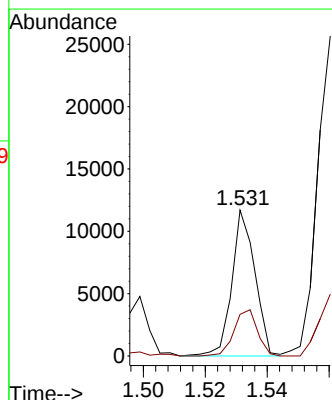
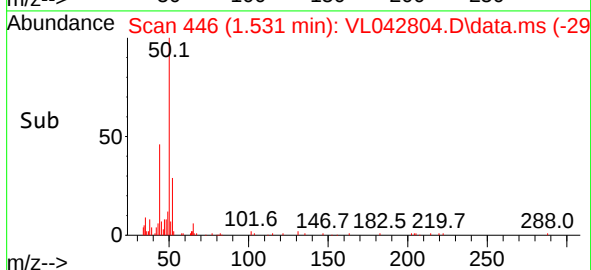
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

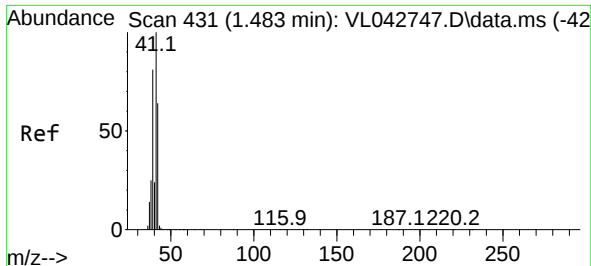


#4
Chloromethane
Concen: 0.685 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37



Tgt Ion: 50 Resp: 6069
Ion Ratio Lower Upper
50 100
52 28.5 26.6 40.0





#9

Propene

Concen: 16.035 ppbv m

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042804.D

Acq: 04 Aug 2025 14:37

Instrument :

MSVOA_L

ClientSampleId :

WONDER IA-6

Tgt Ion: 41 Resp: 166259

Ion Ratio Lower Upper

41 100

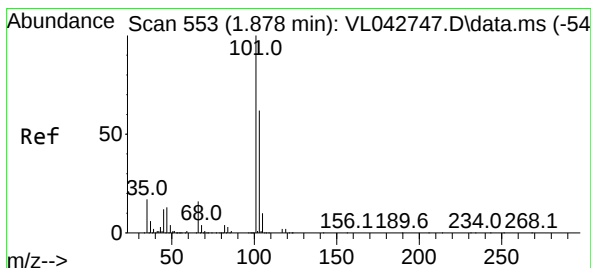
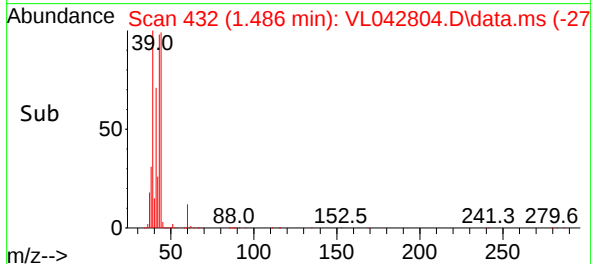
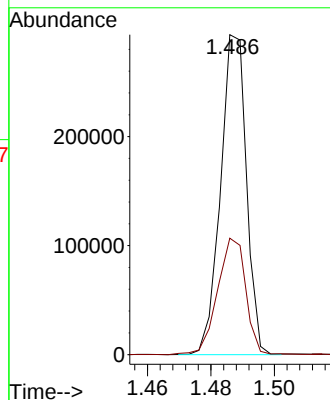
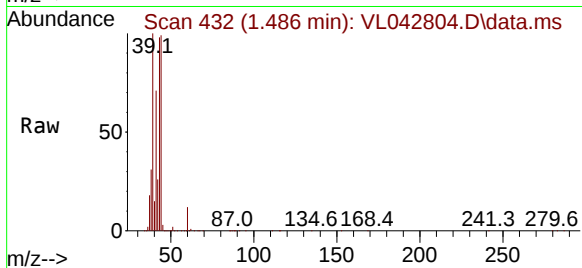
42 229.7 53.2 79.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/05/2025

Supervised By :Mahesh Dadoda 08/05/2025



#11

Trichlorofluoromethane

Concen: 0.206 ppbv

RT: 1.878 min Scan# 553

Delta R.T. 0.000 min

Lab File: VL042804.D

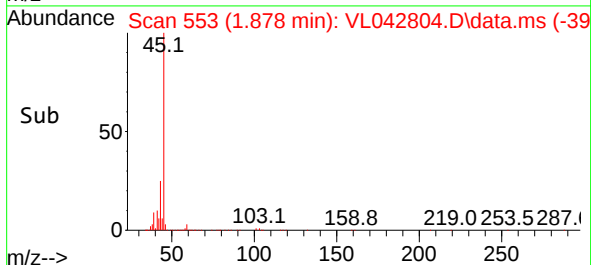
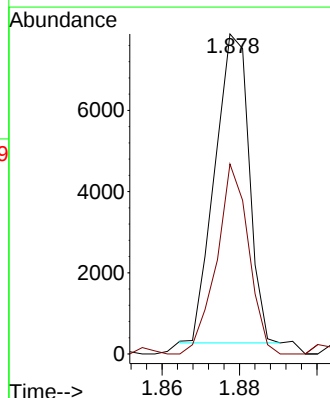
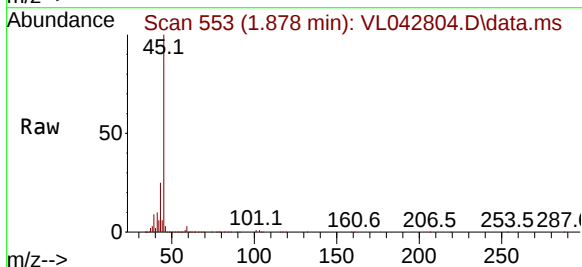
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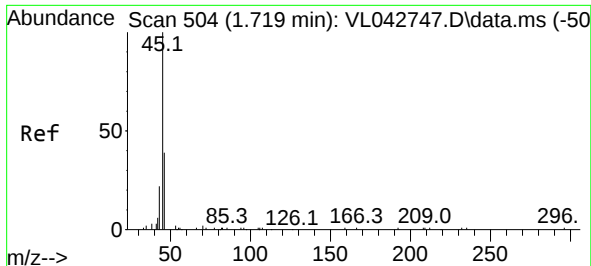
Tgt Ion:101 Resp: 4654

Ion Ratio Lower Upper

101 100

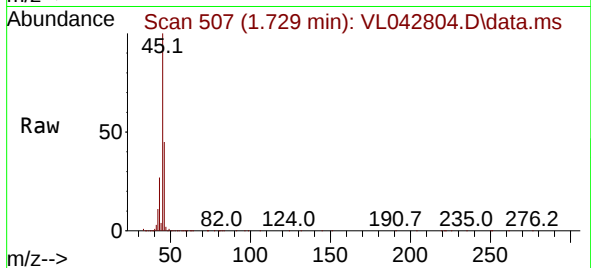
103 61.5 49.6 74.4





#13
Ethanol
Concen: 6558.716 ppbv
RT: 1.729 min Scan# 504
Delta R.T. 0.010 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

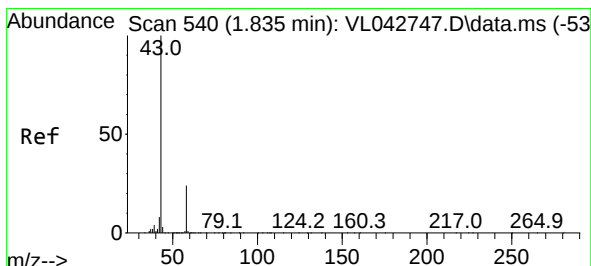
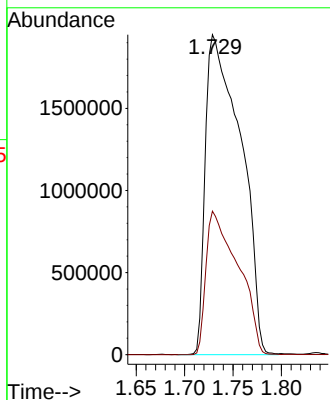
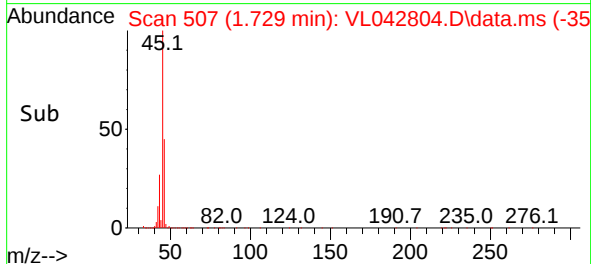
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6



Tgt Ion: 45 Resp: 495234
Ion Ratio Lower Upper
45 100
46 40.9 17.8 71.4

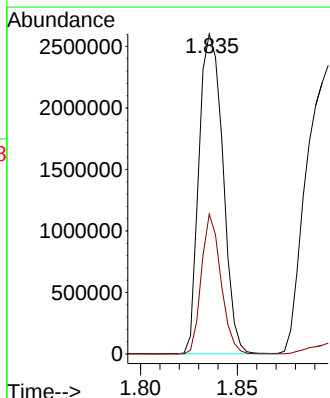
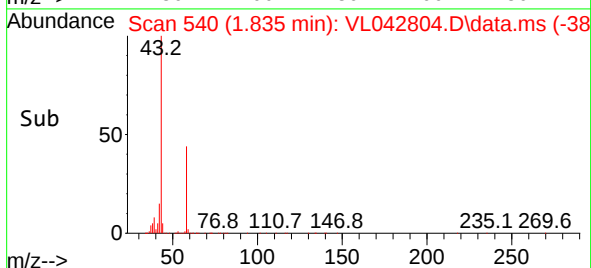
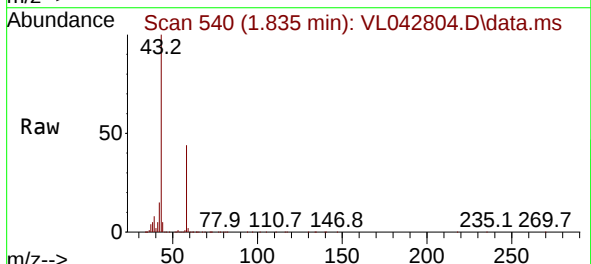
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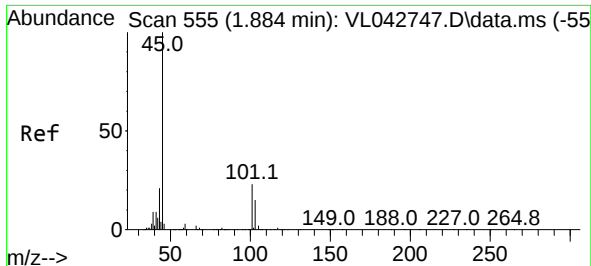
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#15
Acetone
Concen: 97.803 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

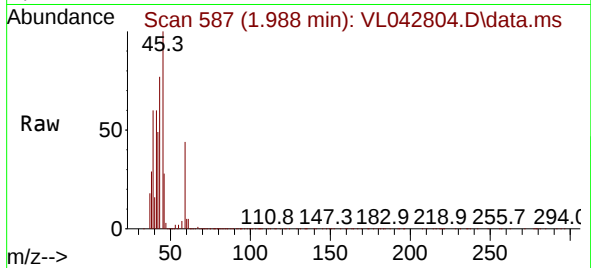
Tgt Ion: 43 Resp: 2236923
Ion Ratio Lower Upper
43 100
58 35.8 19.8 29.8#





#19
Isopropyl Alcohol
Concen: 2058.899 ppbv
RT: 1.988 min Scan# 511
Delta R.T. 0.104 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

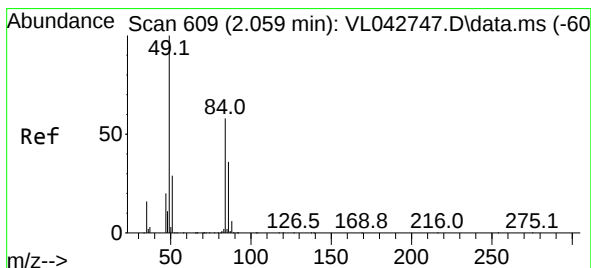
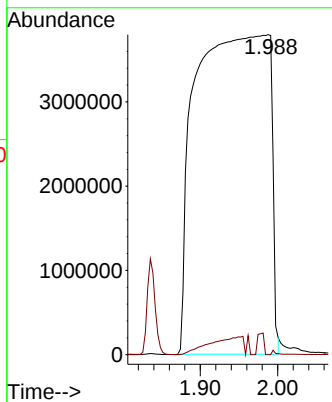
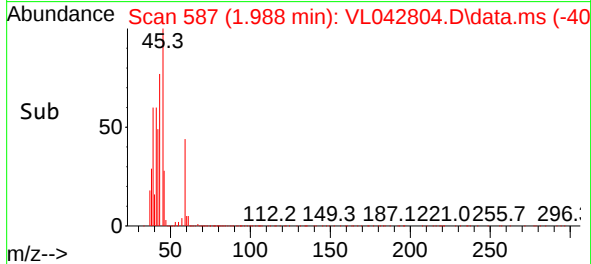
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6



Tgt Ion: 45 Resp: 2502435
Ion Ratio Lower Upper
45 100
58 0.7 30.0 45.0

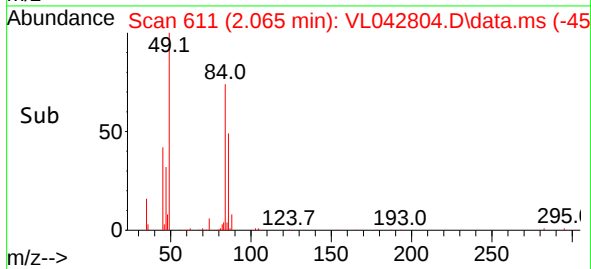
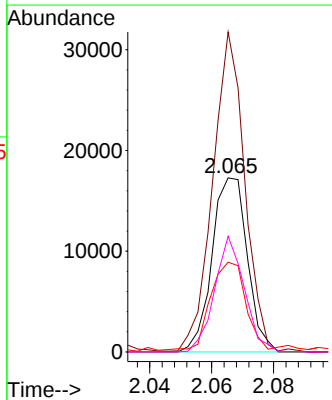
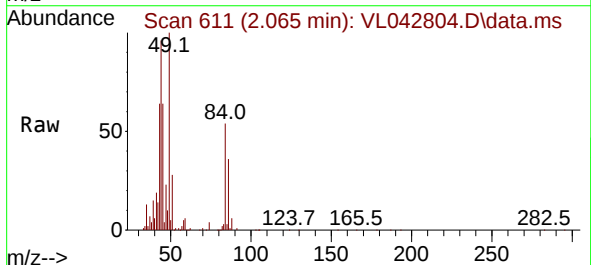
Manual Integrations
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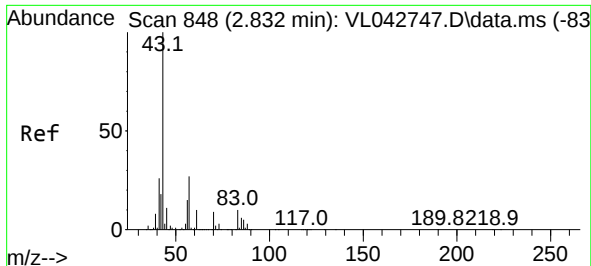
Reviewed By : Semsettin Yesilyurt 08/05/2025
Supervised By : Mahesh Dadoda 08/05/2025



#20
Methylene Chloride
Concen: 1.897 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

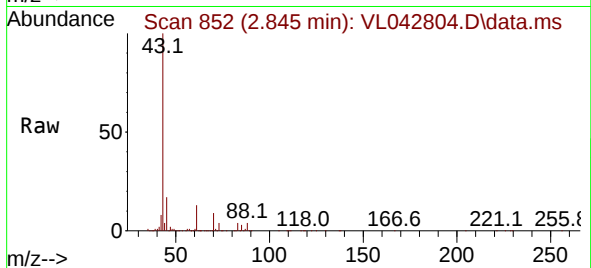
Tgt Ion: 84 Resp: 13675
Ion Ratio Lower Upper
84 100
49 183.1 138.6 208.0
51 49.6 40.6 61.0
86 66.4 49.8 74.8





#25
Ethyl Acetate
Concen: 5.155 ppbv m
RT: 2.845 min Scan# 848
Delta R.T. 0.013 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

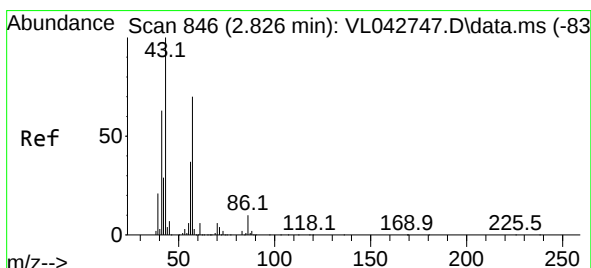
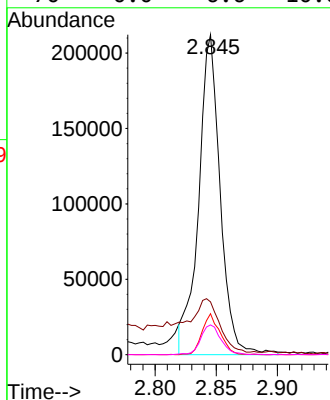
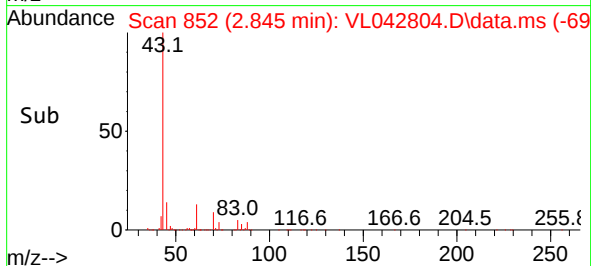
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6



Tgt Ion: 43 Resp: 260960
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

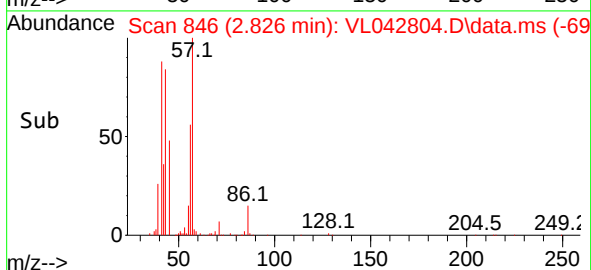
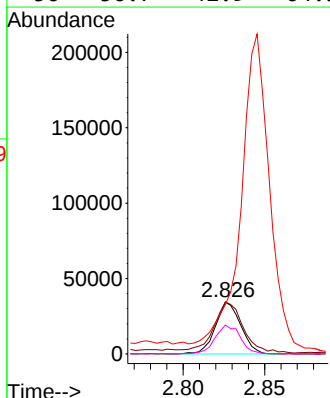
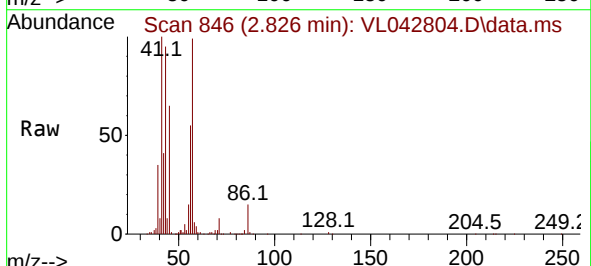
Manual Integrations
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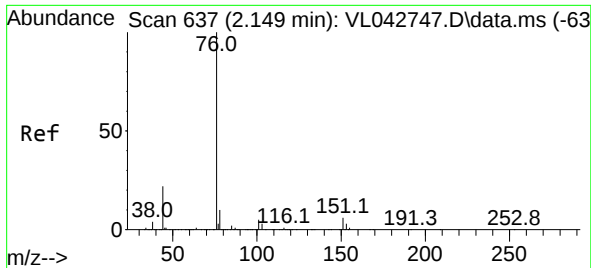
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#26
Hexane
Concen: 1.663 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

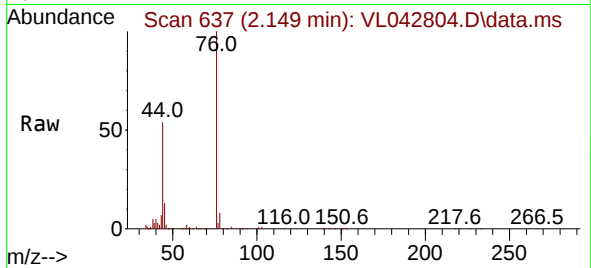
Tgt Ion: 57 Resp: 36940
Ion Ratio Lower Upper
57 100
41 124.4 75.4 113.2#
43 733.9 185.0 277.6#
56 56.7 42.9 64.3





#27
Carbon Disulfide
Concen: 2.996 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

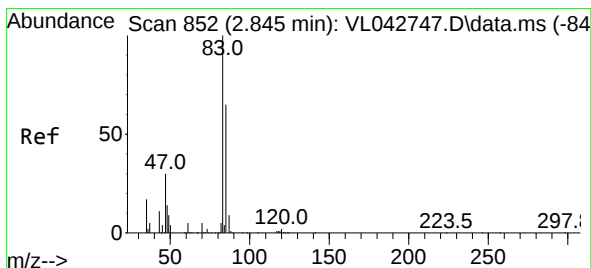
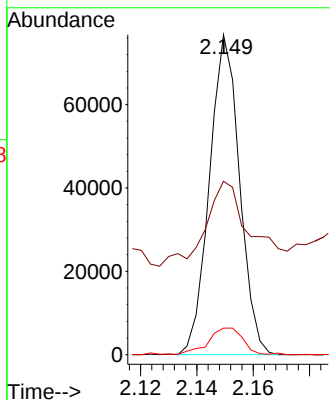
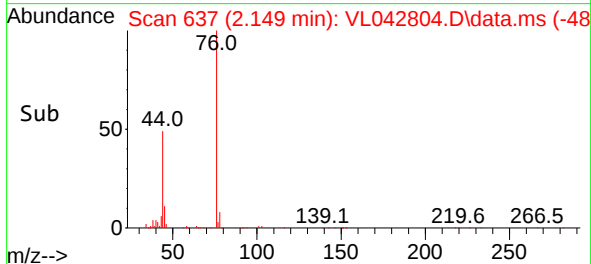
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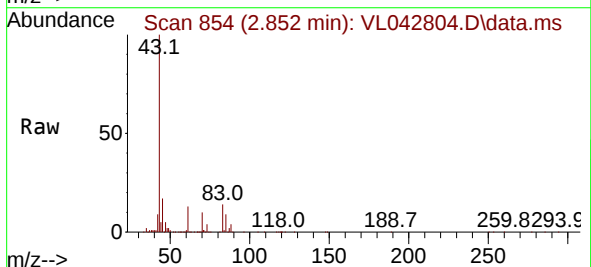
Tgt Ion: 76 Resp: 56958
Ion Ratio Lower Upper
76 100
44 0.0 19.3 28.9
78 10.2 9.9 14.9

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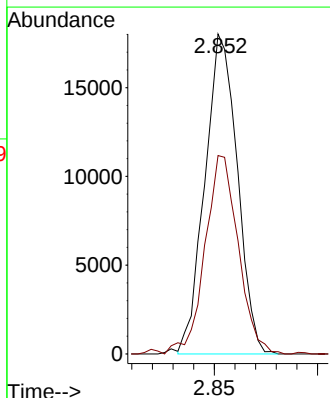
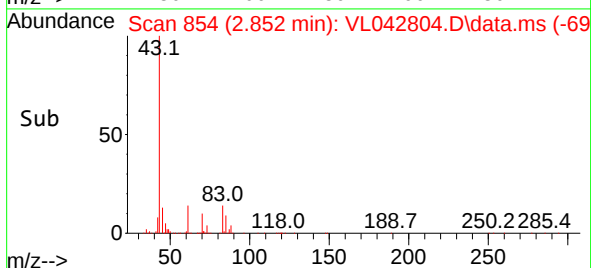
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

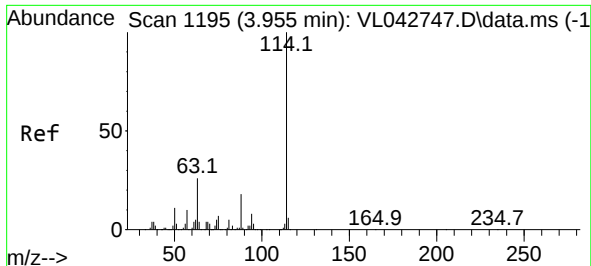


#29
Chloroform
Concen: 0.574 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.006 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37



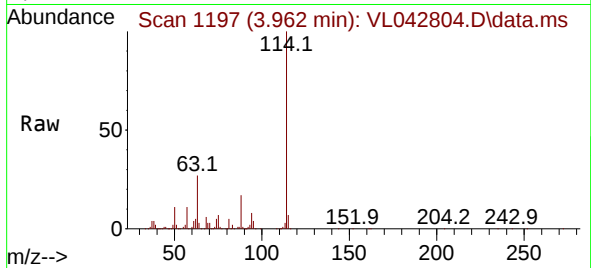
Tgt Ion: 83 Resp: 19685
Ion Ratio Lower Upper
83 100
85 61.3 52.2 78.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.006 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

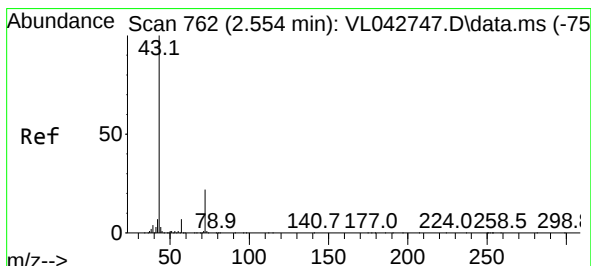
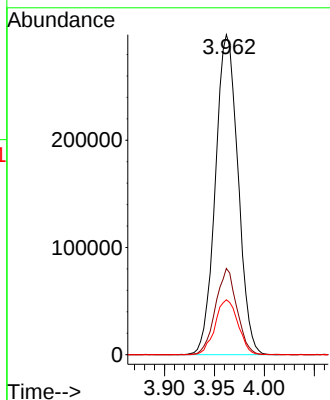
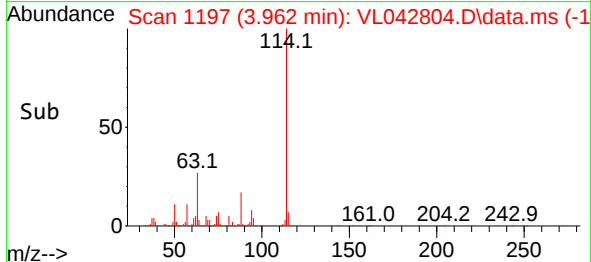
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6



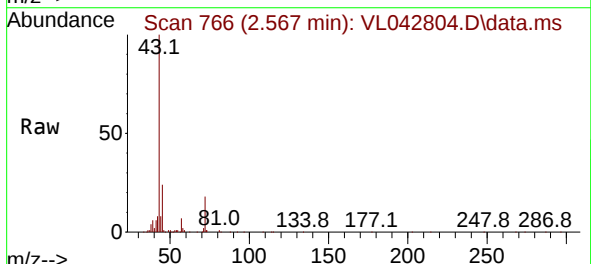
Tgt Ion:114 Resp: 46971
Ion Ratio Lower Upper
114 100
63 25.5 20.5 30.7
88 17.4 14.0 21.0

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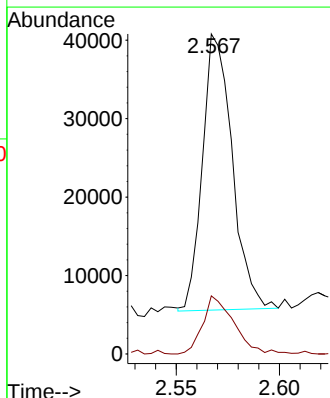
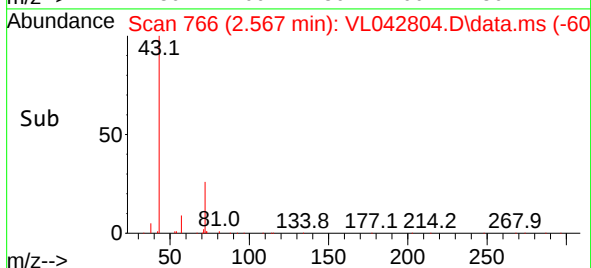
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

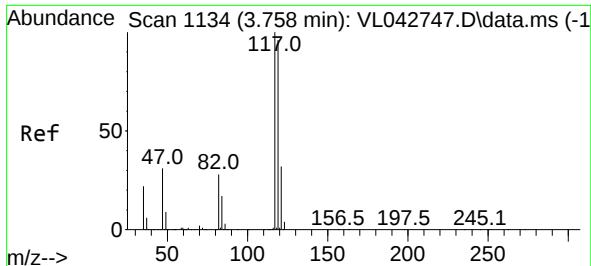


#34
2-Butanone
Concen: 1.059 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.013 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37



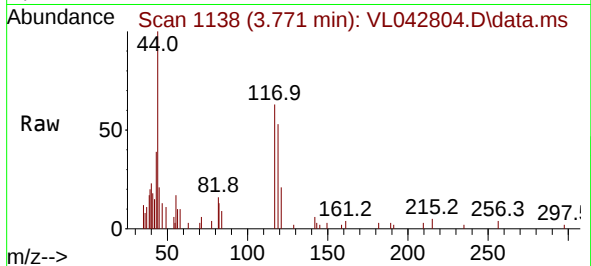
Tgt Ion: 43 Resp: 35229
Ion Ratio Lower Upper
43 100
72 23.0 17.4 26.0





#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 3.771 min Scan# 1134
Delta R.T. 0.013 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

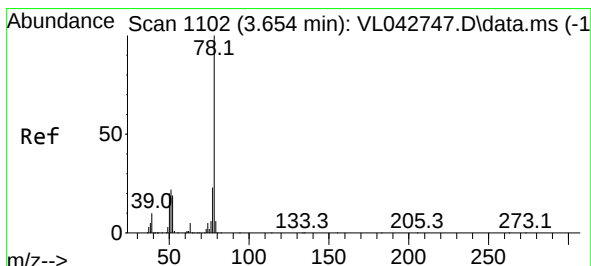
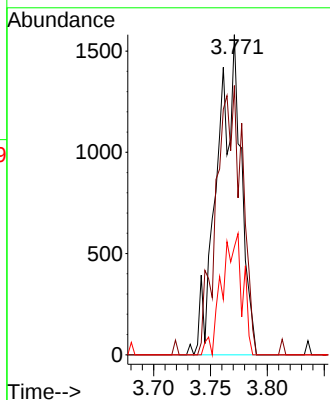
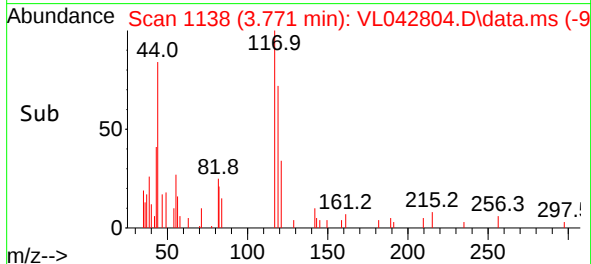
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6



Tgt Ion:117 Resp: 226
Ion Ratio Lower Upper
117 100
119 84.1 77.1 115.7
121 33.6 25.5 38.3

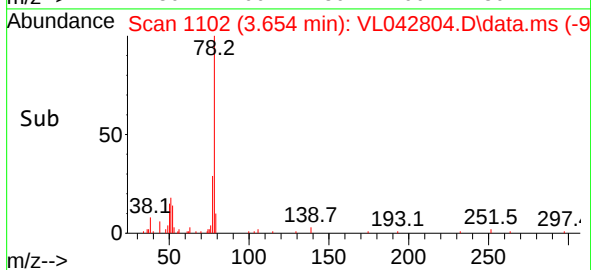
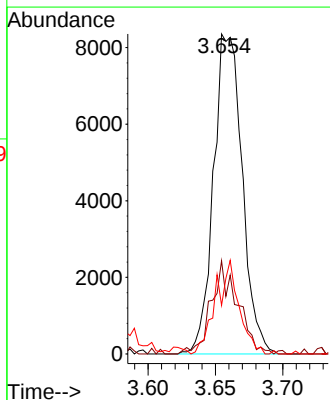
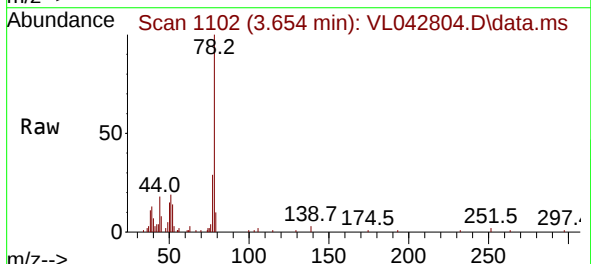
Manual Integrations
APPROVED

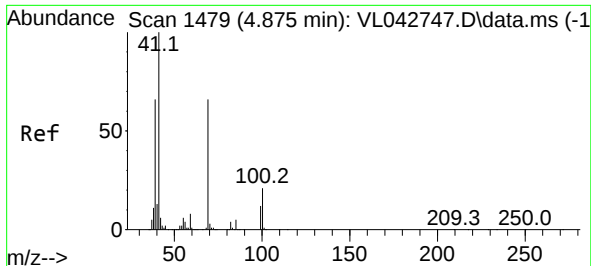
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#36
Benzene
Concen: 0.278 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

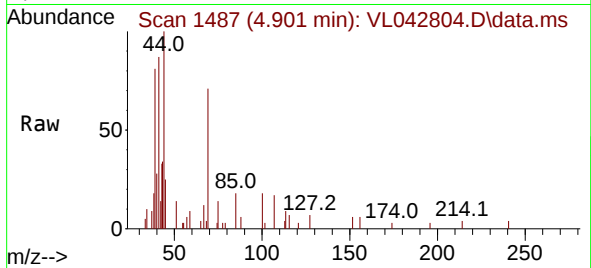
Tgt Ion: 78 Resp: 12364
Ion Ratio Lower Upper
78 100
77 29.1 18.5 27.7#
50 15.2 16.2 24.2#





#43
Methyl Methacrylate
Concen: 0.141 ppbv m
RT: 4.901 min Scan# 1479
Delta R.T. 0.026 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

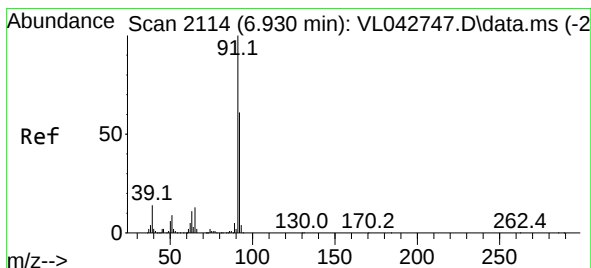
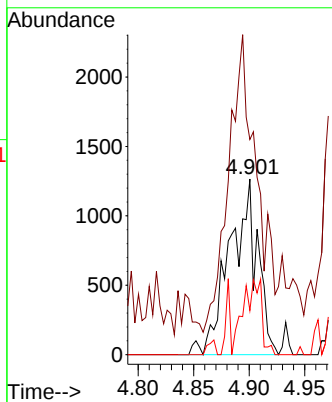
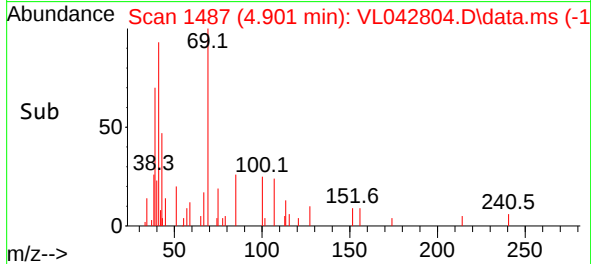
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6



Tgt Ion: 69 Resp: 2228
Ion Ratio Lower Upper
69 100
41 190.4 125.7 188.5
100 36.4 28.6 42.8

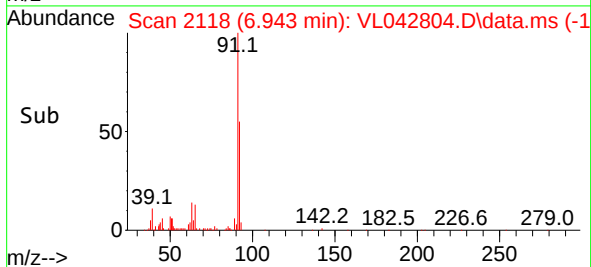
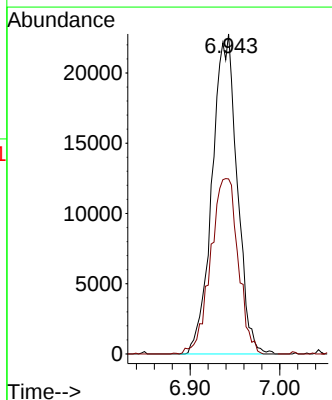
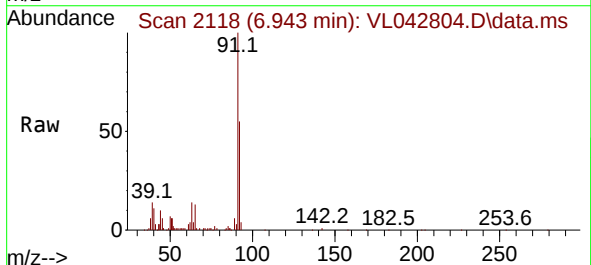
Manual Integrations
APPROVED

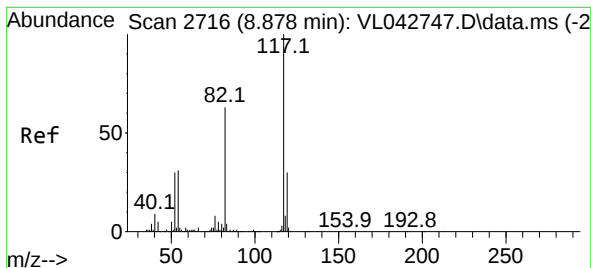
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#53
Toluene
Concen: 0.922 ppbv m
RT: 6.943 min Scan# 2118
Delta R.T. 0.013 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 91 Resp: 44063
Ion Ratio Lower Upper
91 100
92 0.0 48.0 72.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL042804.D

Acq: 04 Aug 2025 14:37

Instrument :

MSVOA_L

ClientSampleId :

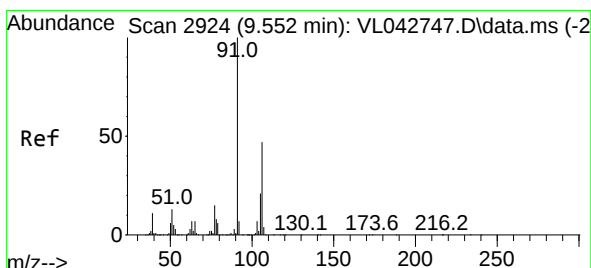
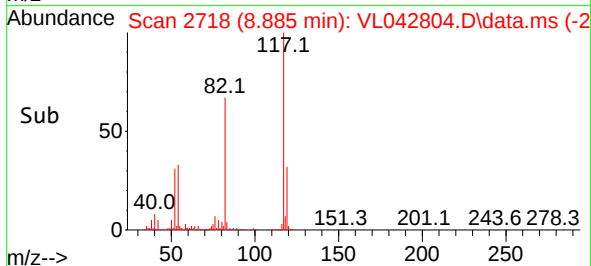
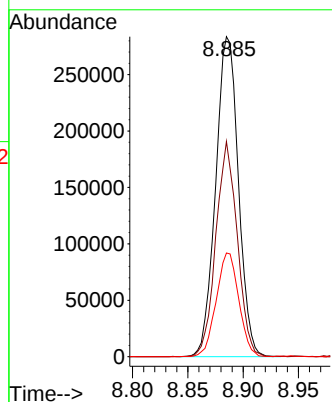
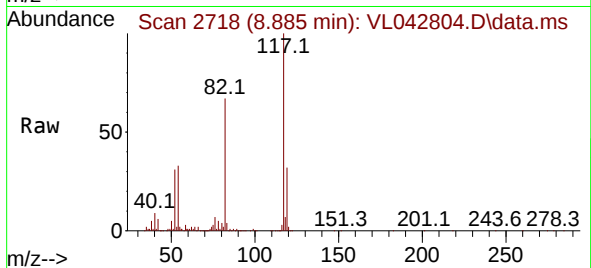
WONDER IA-6

Tgt Ion:	117	Resp:	406040
Ion	Ratio	Lower	Upper
117	100		
82	63.3	53.3	79.9
119	32.1	25.8	38.6

Manual Integrations

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



#59

m/p-Xylene

Concen: 0.232 ppbv m

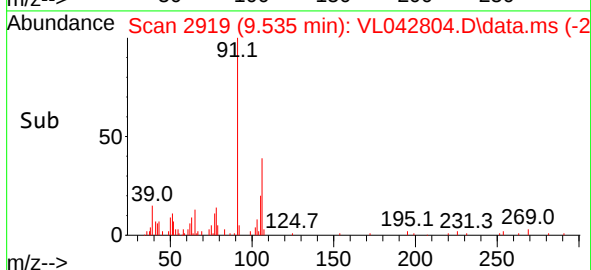
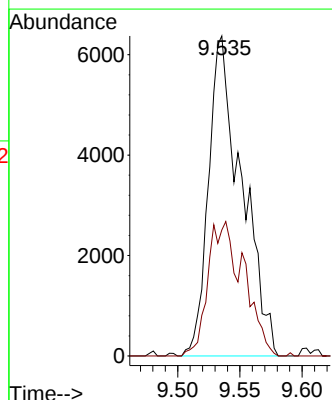
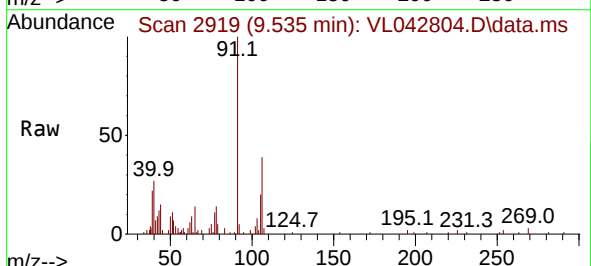
RT: 9.535 min Scan# 2919

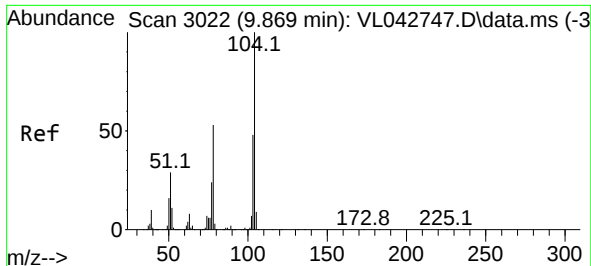
Delta R.T. -0.016 min

Lab File: VL042804.D

Acq: 04 Aug 2025 14:37

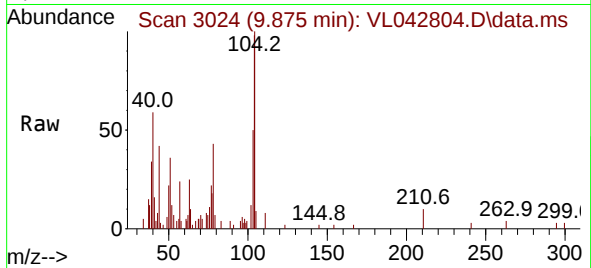
Tgt Ion:	91	Resp:	11877
Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#





#61
Styrene
Concen: 0.228 ppbv
RT: 9.875 min Scan# 3022
Delta R.T. 0.006 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

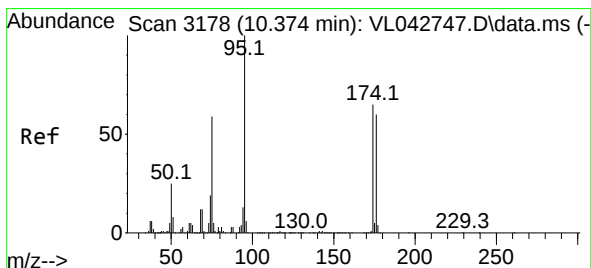
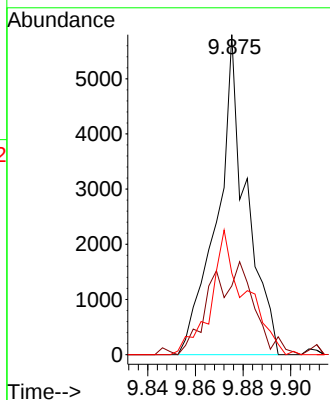
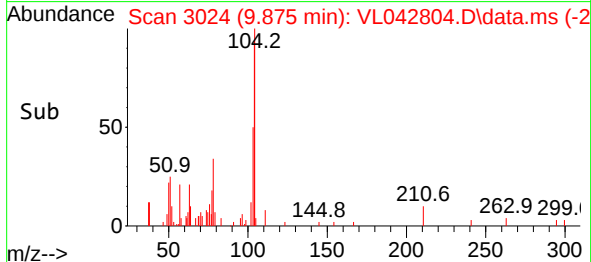
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6



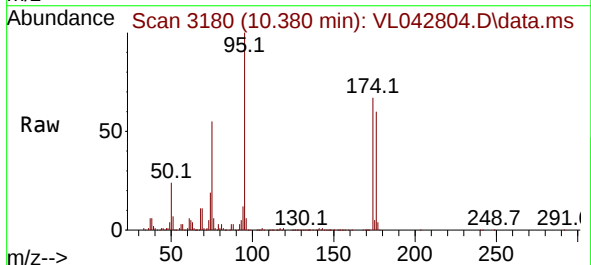
Tgt Ion: 104 Resp: 491
Ion Ratio Lower Upper
104 100
78 45.2 41.5 62.3
103 46.1 37.5 56.3

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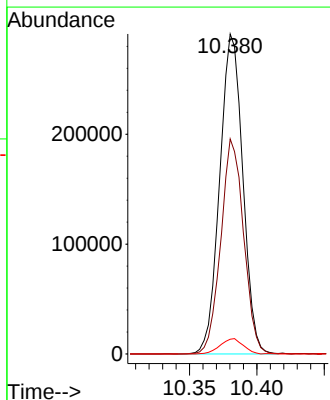
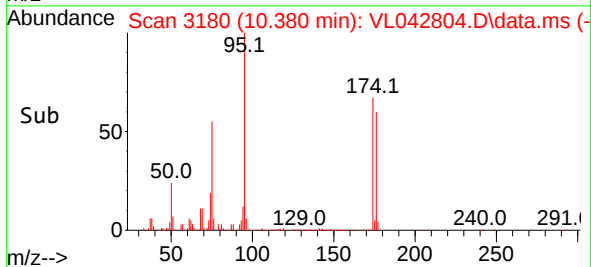
Reviewed By : Semsettin Yesilyurt 08/05/2025
Supervised By : Mahesh Dadoda 08/05/2025

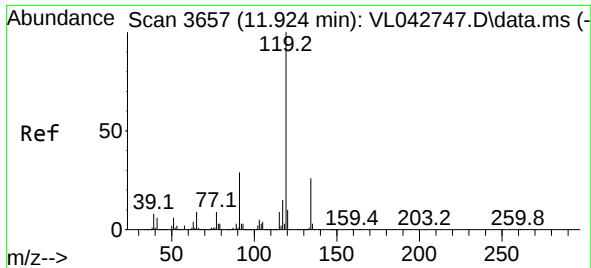


#68
1-Bromo-4-Fluorobenzene
Concen: 10.788 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.006 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37



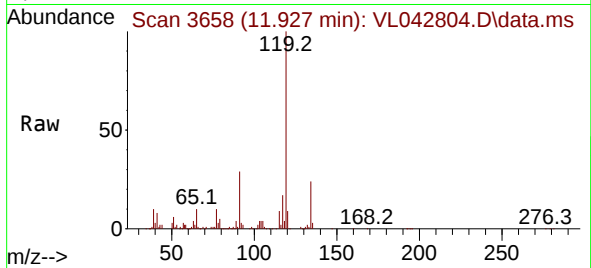
Tgt Ion: 95 Resp: 346897
Ion Ratio Lower Upper
95 100
174 66.4 53.8 80.6
175 4.8 4.0 6.0





#69
p-Isopropyltoluene
Concen: 0.774 ppbv m
RT: 11.927 min Scan# 3658
Delta R.T. 0.003 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

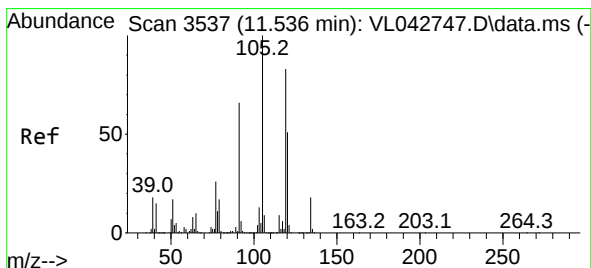
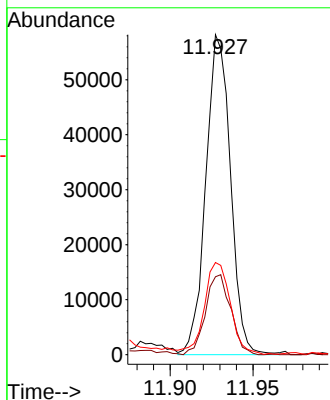
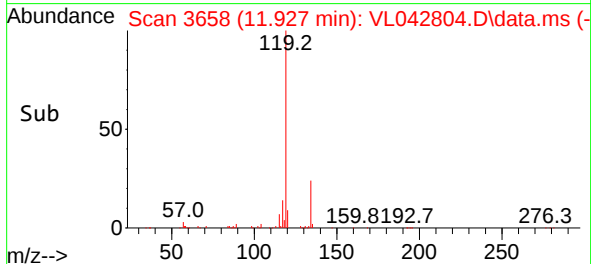
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6



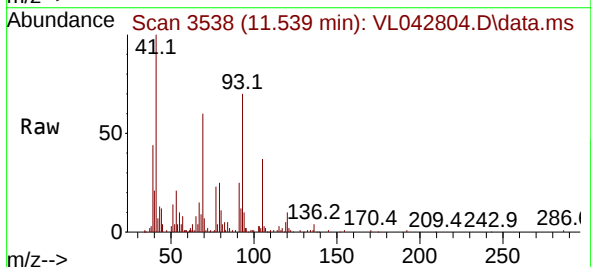
Tgt Ion:119 Resp: 6025
Ion Ratio Lower Upper
119 100
134 0.0 20.6 31.0#
91 0.0 23.2 34.8#

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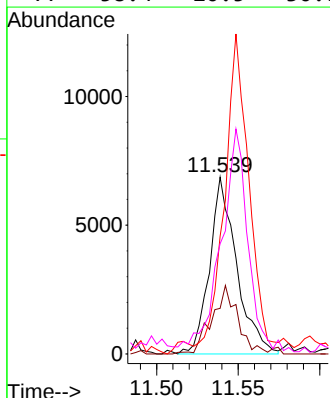
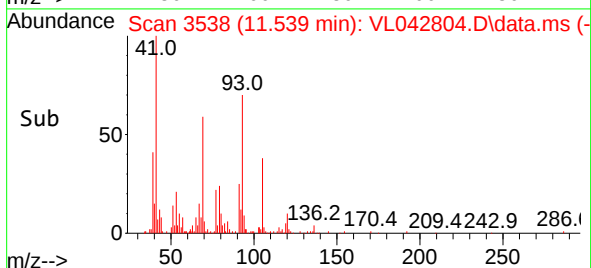
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

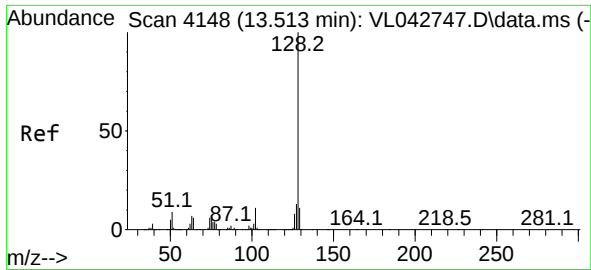


#74
1,2,4-Trimethylbenzene
Concen: 0.144 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37



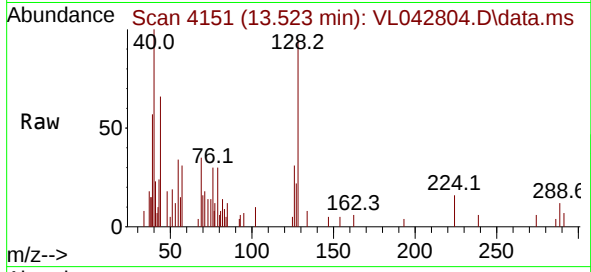
Tgt Ion:105 Resp: 7912
Ion Ratio Lower Upper
105 100
120 24.8 40.8 61.2#
91 60.1 53.0 79.4
77 58.4 20.5 30.7#





#79
Naphthalene
Concen: 0.463 ppbv
RT: 13.523 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6



Tgt Ion:128 Resp: 1719
Ion Ratio Lower Upper
128 100
127 23.1 10.5 15.7
129 0.0 8.6 13.0

Manual Integrations
APPROVED

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

