

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042805.D
 Acq On : 04 Aug 2025 15:10
 Operator : SY/MD
 Sample : Q2750-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 WONDER IA-7

Manual Integrations
 APPROVED

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

Quant Time: Aug 05 01:06:49 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 5

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

Response via : Initial Calibration

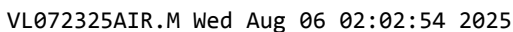
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

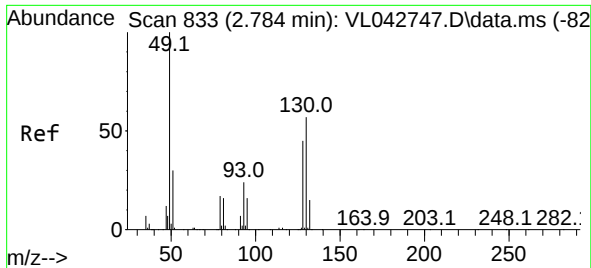
Internal Standards						
1) Bromochloromethane	2.790	49	163694	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	467931	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	403577	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	336326	10.523	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	12549	0.580	ppbv	97
3) Chlorodifluoromethane	1.473	51	1482669	52.589	ppbv #	87
4) Chloromethane	1.531	50	6460	0.738	ppbv	98
9) Propene	1.486	41	175928m	17.169	ppbv	
11) Trichlorofluoromethane	1.878	101	4845m	0.217	ppbv	
13) Ethanol	1.729	45	4402737	5899.855	ppbv	93
15) Acetone	1.835	43	2230155	98.664	ppbv #	80
19) Isopropyl Alcohol	1.984	45	24879275m	2071.234	ppbv	
20) Methylene Chloride	2.065	84	15760	2.213	ppbv	97
25) Ethyl Acetate	2.842	43	229501m	4.587	ppbv	
26) Hexane	2.826	57	40934	1.865	ppbv #	1
27) Carbon Disulfide	2.149	76	53193	2.831	ppbv #	66
29) Chloroform	2.852	83	19399	0.572	ppbv	85
34) 2-Butanone	2.567	43	32492	0.980	ppbv	97
35) Carbon Tetrachloride	3.761	117	2301m	0.066	ppbv	
36) Benzene	3.654	78	12134	0.274	ppbv #	95
44) 2,2,4-Trimethylpentane	4.635	57	7228m	0.100	ppbv	
53) Toluene	6.933	91	33005	0.693	ppbv	100
59) m/p-Xylene	9.529	91	10128	0.199	ppbv	100
61) Styrene	9.872	104	3389	0.158	ppbv #	86
69) p-Isopropyltoluene	11.927	119	43073	0.557	ppbv	97

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

Manual Integrations

Quant Time: Aug 05 01:06:49 2025
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration





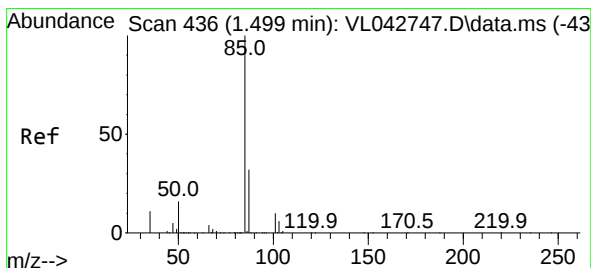
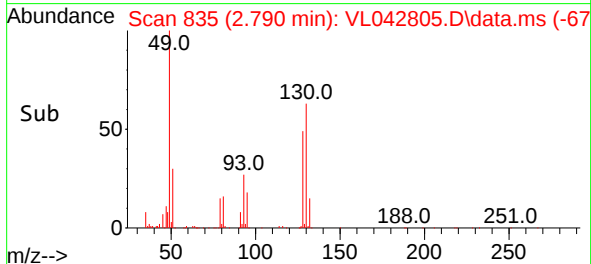
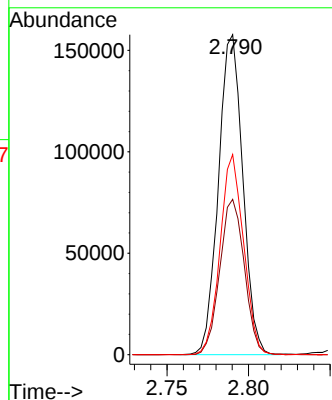
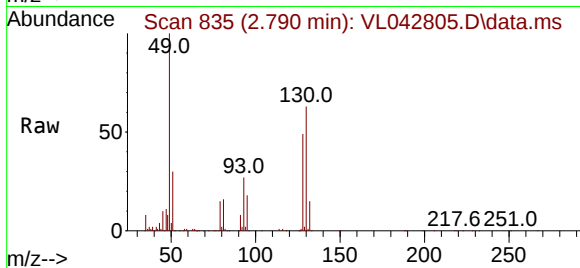
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-7

Tgt Ion: 49 Resp: 163694
Ion Ratio Lower Upper
49 100
128 49.0 23.6 71.0
130 60.2 30.3 90.8

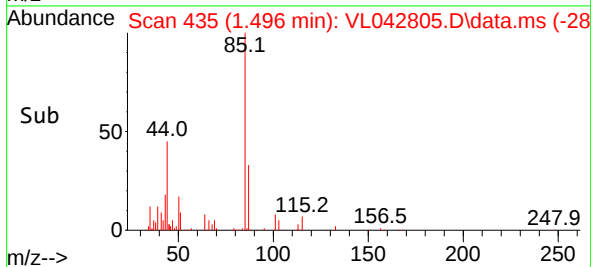
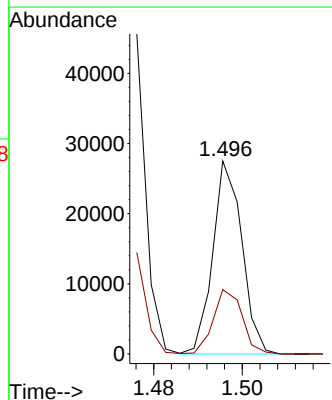
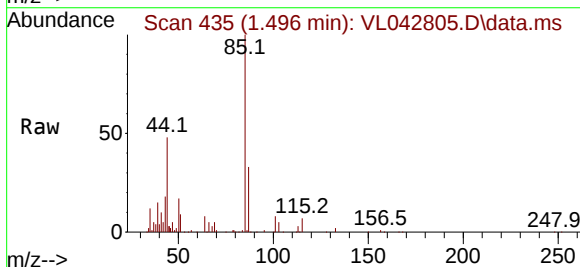
Manual Integrations
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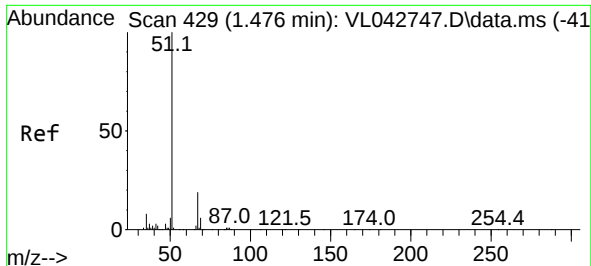
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#2
Dichlorodifluoromethane
Concen: 0.580 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

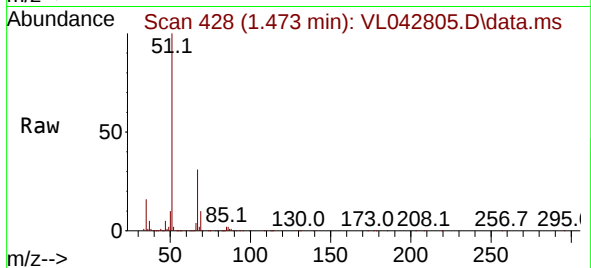
Tgt Ion: 85 Resp: 12549
Ion Ratio Lower Upper
85 100
87 33.3 25.4 38.2





#3
Chlorodifluoromethane
Concen: 52.589 ppbv
RT: 1.473 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

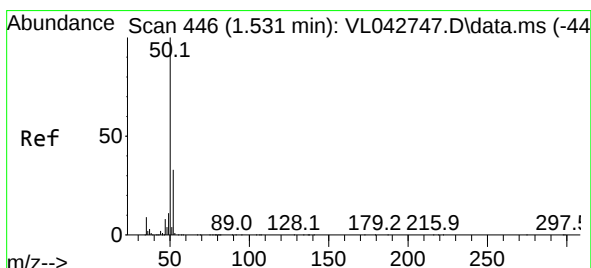
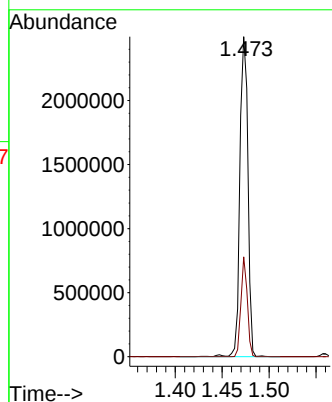
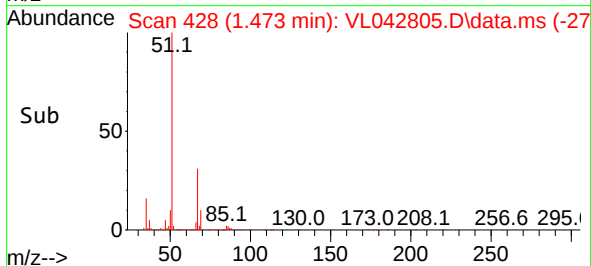
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-7



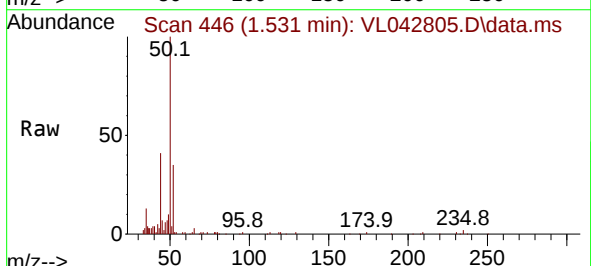
Tgt Ion: 51 Resp: 1482669
Ion Ratio Lower Upper
51 100
67 24.7 15.0 22.6

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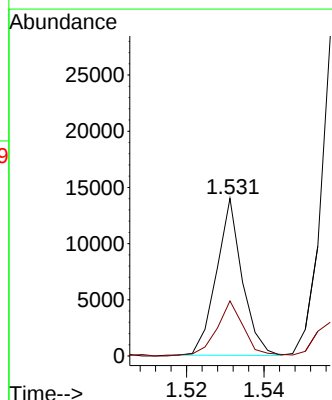
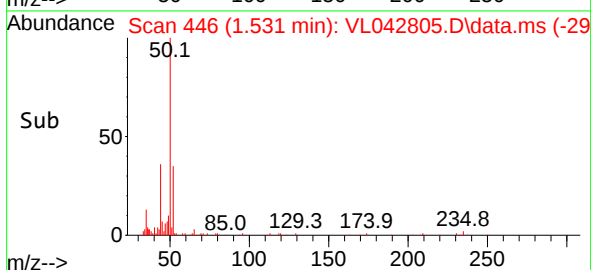
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

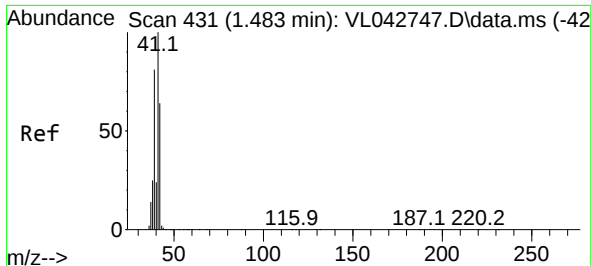


#4
Chloromethane
Concen: 0.738 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10



Tgt Ion: 50 Resp: 6460
Ion Ratio Lower Upper
50 100
52 34.3 26.6 40.0





#9

Propene

Concen: 17.169 ppbv m

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

WONDER IA-7

Tgt Ion: 41 Resp: 175928

Ion Ratio Lower Upper

41 100

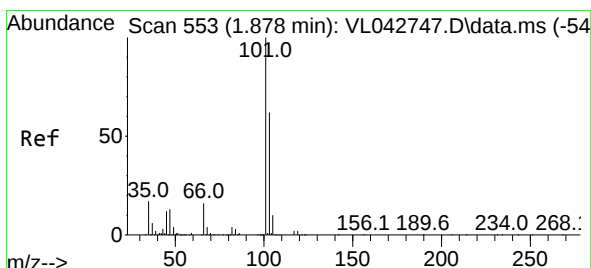
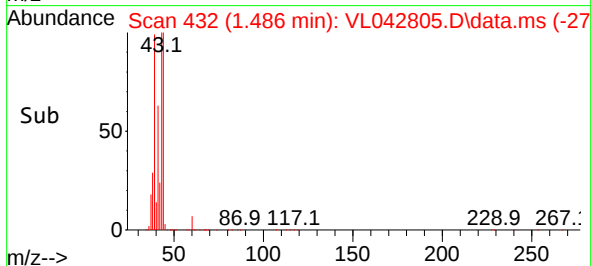
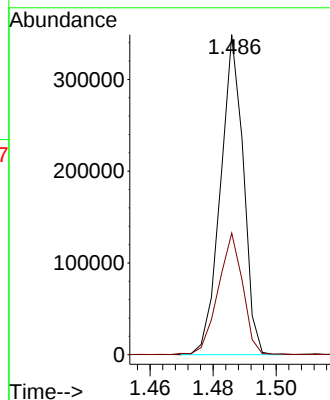
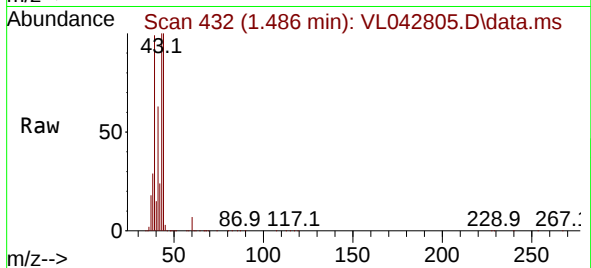
42 238.7 53.2 79.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/05/2025

Supervised By :Mahesh Dadoda 08/05/2025



#11

Trichlorofluoromethane

Concen: 0.217 ppbv m

RT: 1.878 min Scan# 553

Delta R.T. 0.000 min

Lab File: VL042805.D

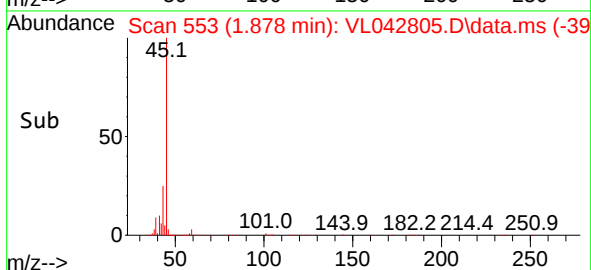
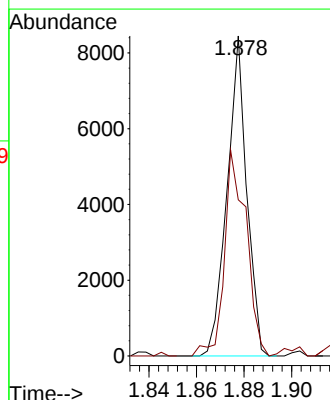
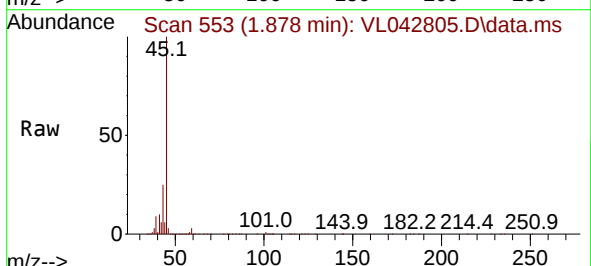
Acq: 04 Aug 2025 15:10

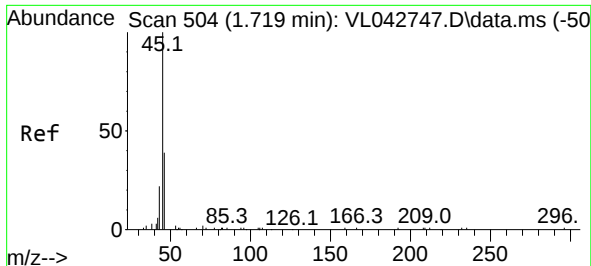
Tgt Ion:101 Resp: 4845

Ion Ratio Lower Upper

101 100

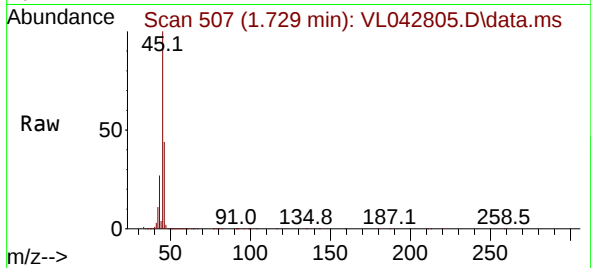
103 48.8 49.6 74.4





#13
Ethanol
Concen: 5899.855 ppbv
RT: 1.729 min Scan# 50
Delta R.T. 0.010 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

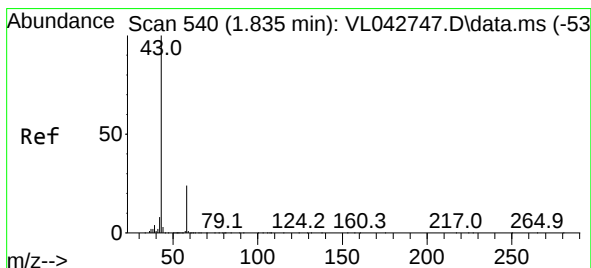
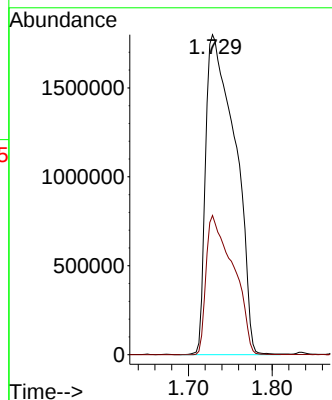
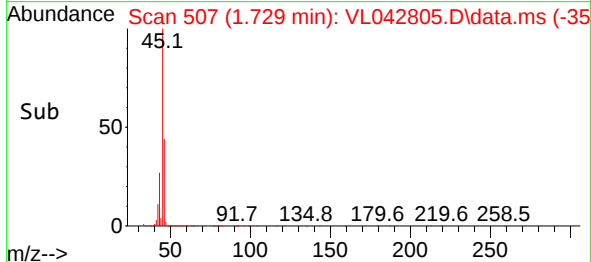
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-7



Tgt Ion: 45 Resp: 440273
Ion Ratio Lower Upper
45 100
46 40.3 17.8 71.4

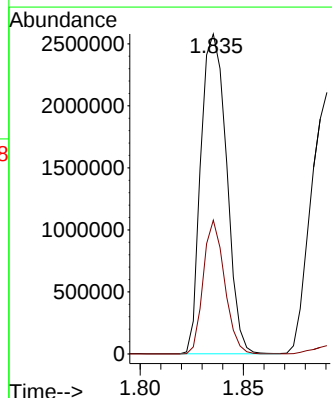
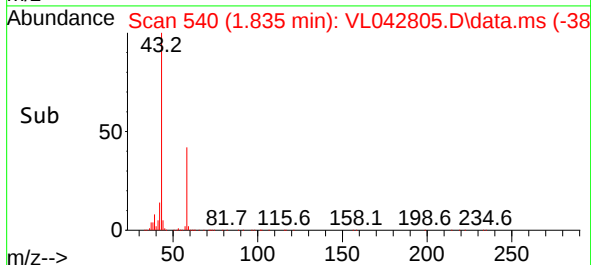
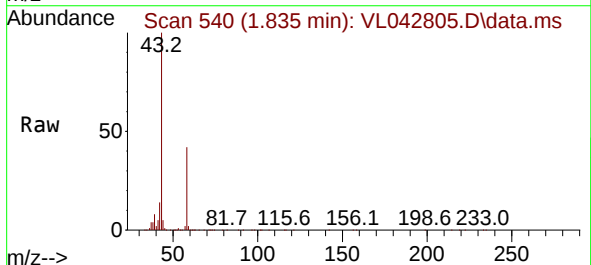
Manual Integrations
APPROVED

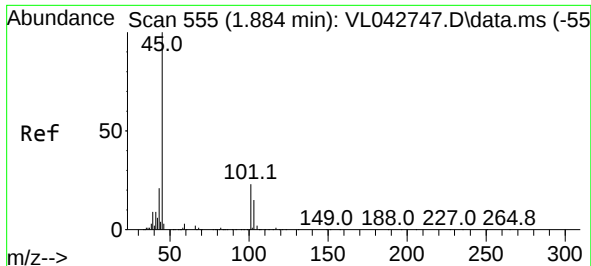
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#15
Acetone
Concen: 98.664 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

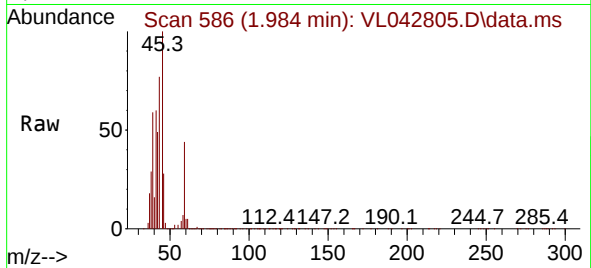
Tgt Ion: 43 Resp: 2230155
Ion Ratio Lower Upper
43 100
58 34.7 19.8 29.8#





#19
Isopropyl Alcohol
Concen: 2071.234 ppbv m
RT: 1.984 min Scan# 511
Delta R.T. 0.100 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

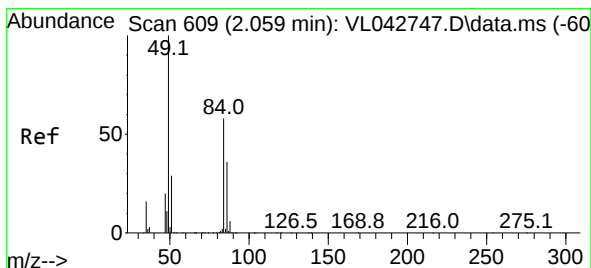
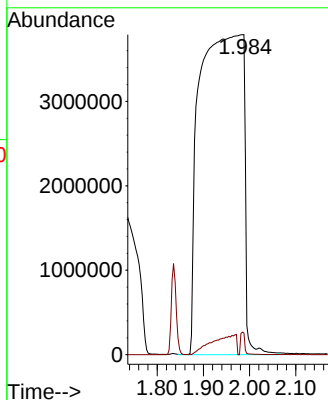
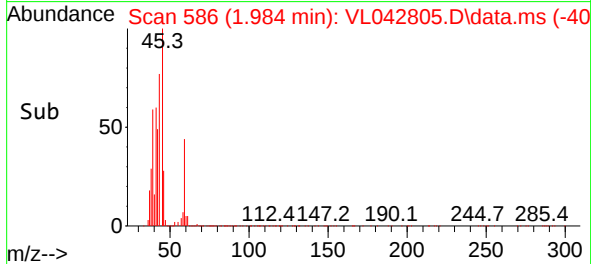
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-7



Tgt Ion: 45 Resp: 2487927
Ion Ratio Lower Upper
45 100
58 3.5 30.0 45.0

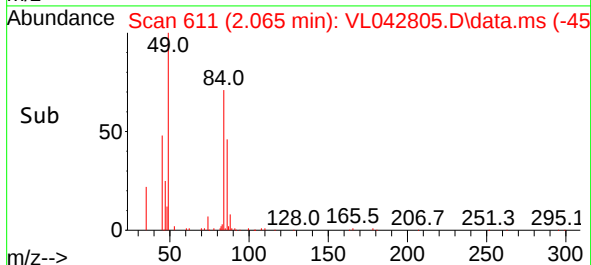
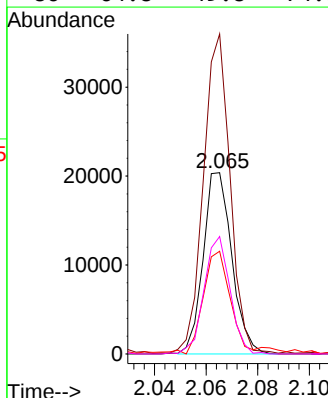
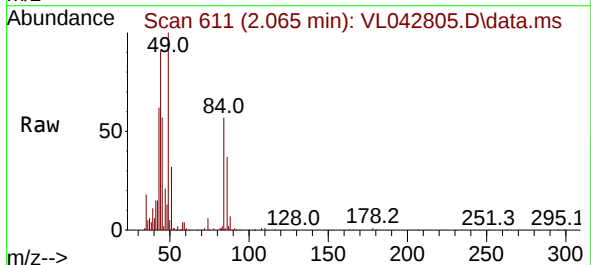
Manual Integrations
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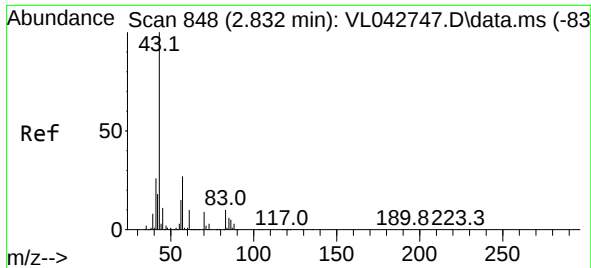
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#20
Methylene Chloride
Concen: 2.213 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

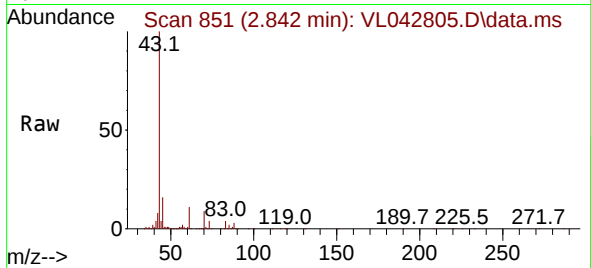
Tgt Ion: 84 Resp: 15760
Ion Ratio Lower Upper
84 100
49 176.0 138.6 208.0
51 54.6 40.6 61.0
86 64.8 49.8 74.8





#25
Ethyl Acetate
Concen: 4.587 ppbv m
RT: 2.842 min Scan# 848
Delta R.T. 0.010 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

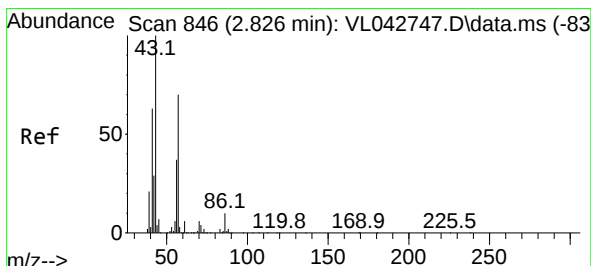
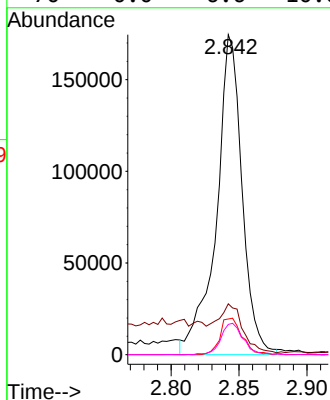
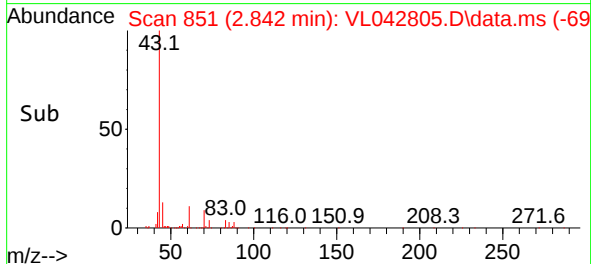
Instrument :
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WONDER IA-7



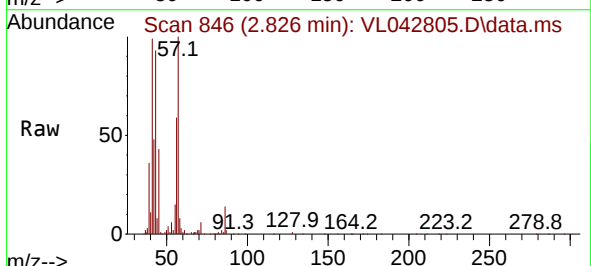
Tgt Ion: 43 Resp: 22950
Ion Ratio Lower Upper
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61 0.0 6.7 10.1
70 0.0 6.6 10.0

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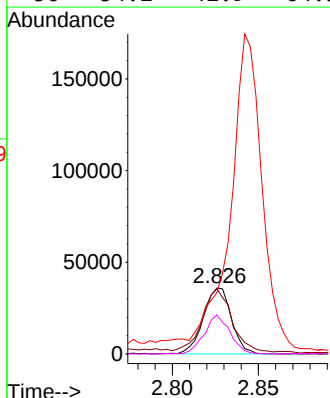
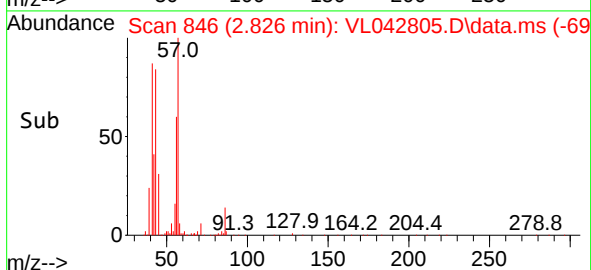
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

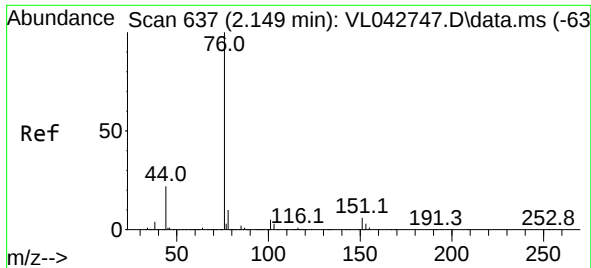


#26
Hexane
Concen: 1.865 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10



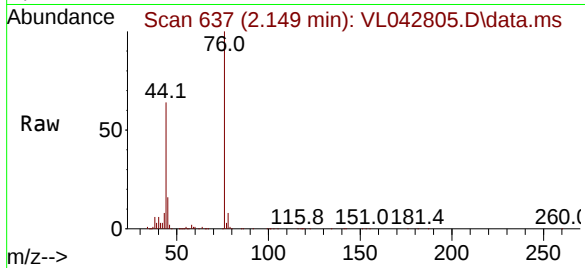
Tgt Ion: 57 Resp: 40934
Ion Ratio Lower Upper
57 100
41 116.8 75.4 113.2#
43 611.7 185.0 277.6#
56 54.2 42.9 64.3





#27
Carbon Disulfide
Concen: 2.831 ppbv
RT: 2.149 min Scan# 637
Delta R.T. -0.000 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

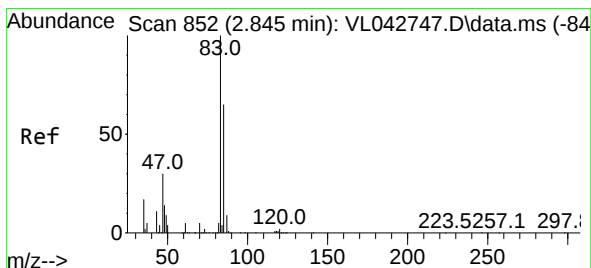
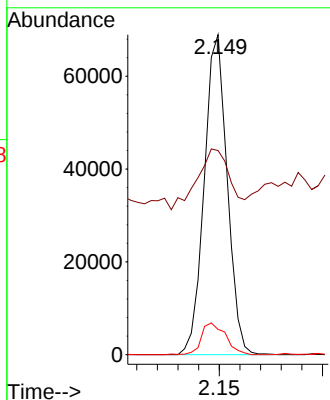
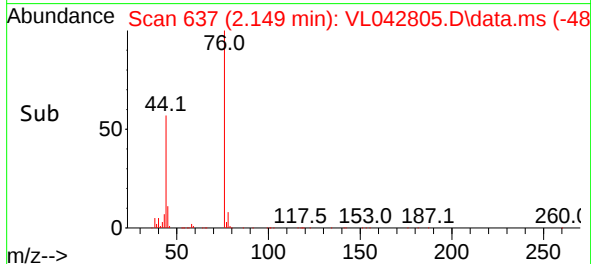
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-7



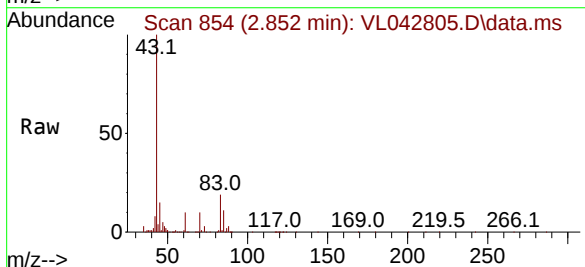
Tgt Ion: 76 Resp: 5319
Ion Ratio Lower Upper
76 100
44 0.0 19.3 28.9
78 10.5 9.9 14.9

Manual Integrations
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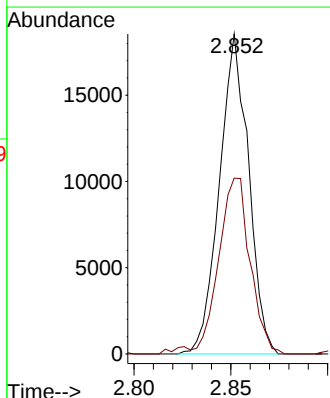
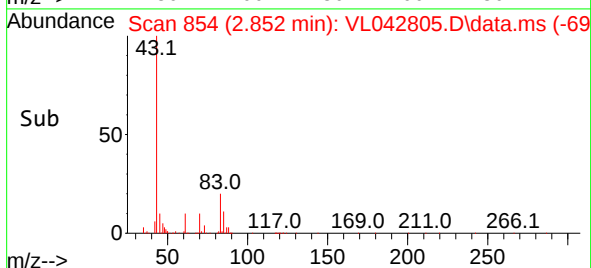
Reviewed By :Semsettin Yesilyurt 08/05/2025
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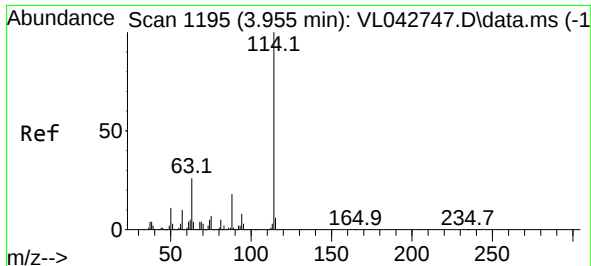


#29
Chloroform
Concen: 0.572 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.006 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10



Tgt Ion: 83 Resp: 19399
Ion Ratio Lower Upper
83 100
85 53.7 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: VL042805.D

Acq: 04 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

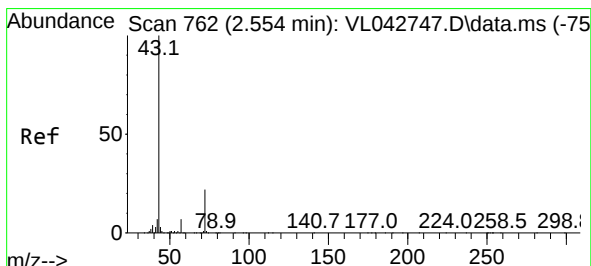
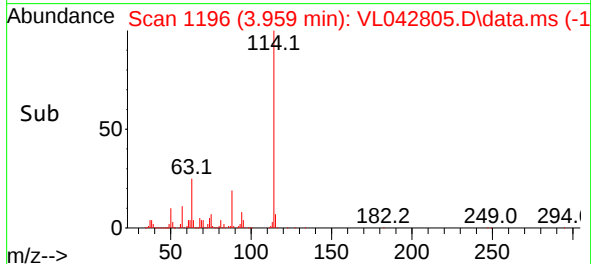
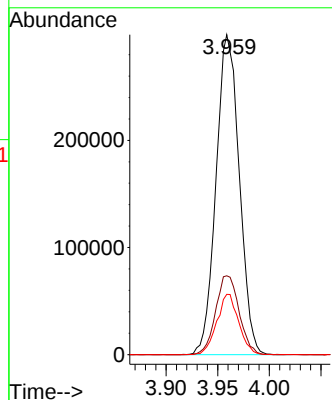
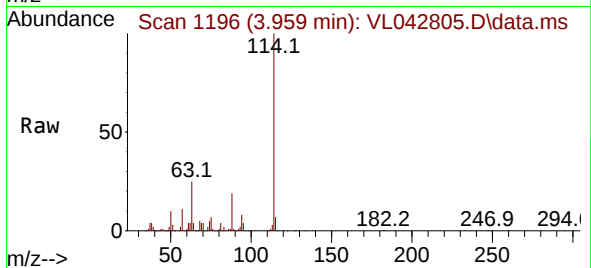
WONDER IA-7

Tgt Ion:114 Resp: 46793
 Ion Ratio Lower Upper
 114 100
 63 25.0 20.5 30.7
 88 17.8 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: 0.980 ppbv

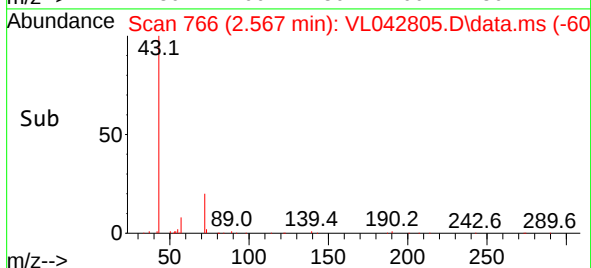
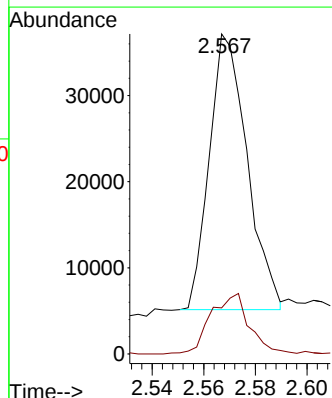
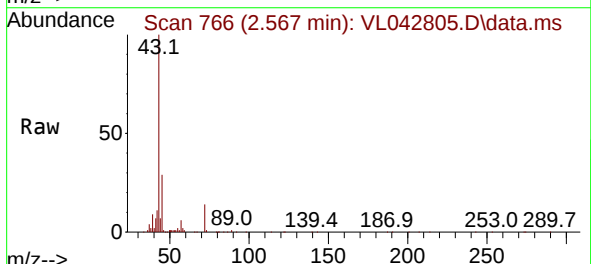
RT: 2.567 min Scan# 766

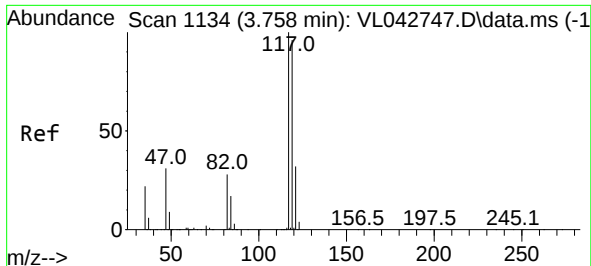
Delta R.T. 0.013 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

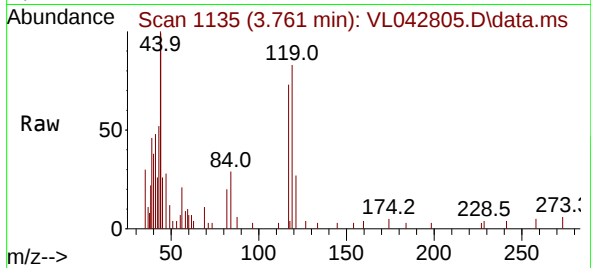
Tgt Ion: 43 Resp: 32492
 Ion Ratio Lower Upper
 43 100
 72 23.1 17.4 26.0





#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 3.761 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

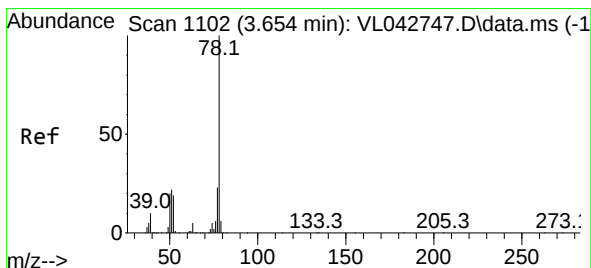
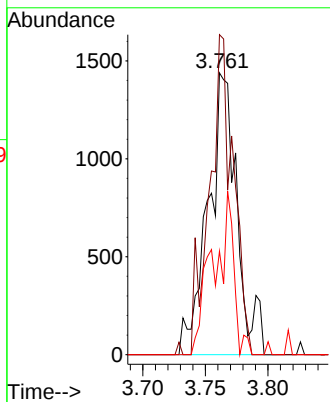
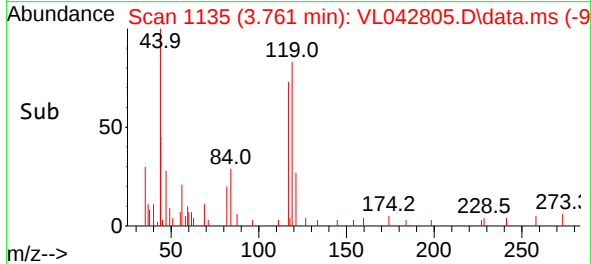
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-7



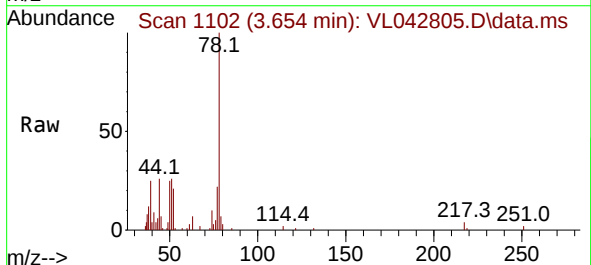
Tgt Ion:117 Resp: 230
Ion Ratio Lower Upper
117 100
119 113.6 77.1 115.7
121 36.8 25.5 38.3

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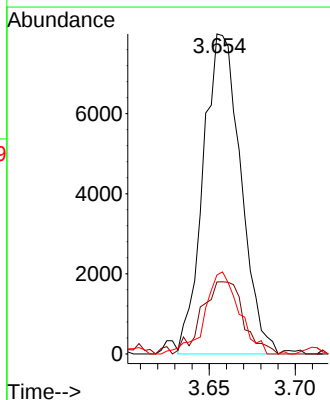
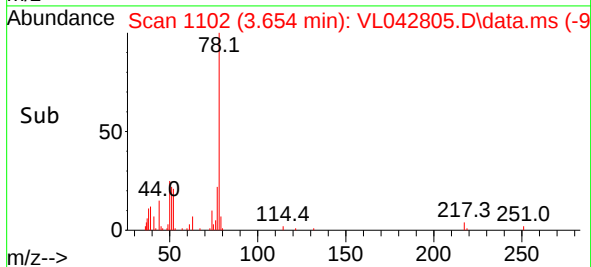
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

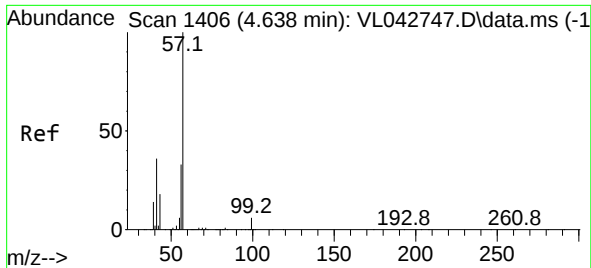


#36
Benzene
Concen: 0.274 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10



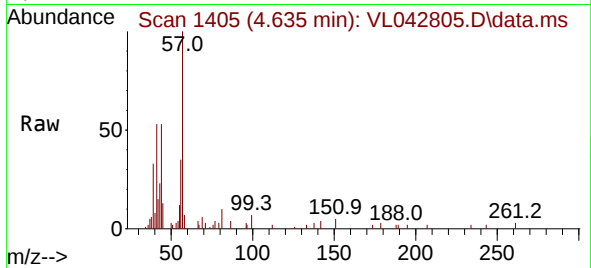
Tgt Ion: 78 Resp: 12134
Ion Ratio Lower Upper
78 100
77 22.5 18.5 27.7
50 24.6 16.2 24.2#





#44
2,2,4-Trimethylpentane
Concen: 0.100 ppbv m
RT: 4.635 min Scan# 1406
Delta R.T. -0.003 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

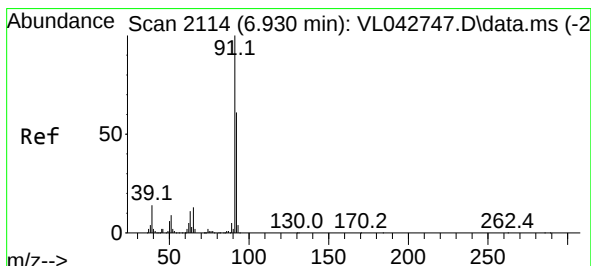
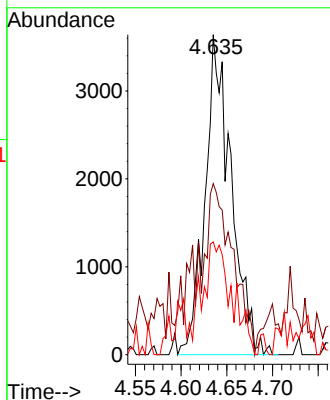
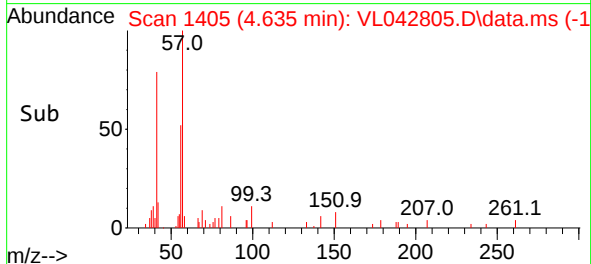
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-7



Tgt Ion: 57 Resp: 7228
Ion Ratio Lower Upper
57 100
41 0.0 28.3 42.5
56 0.0 25.8 38.6

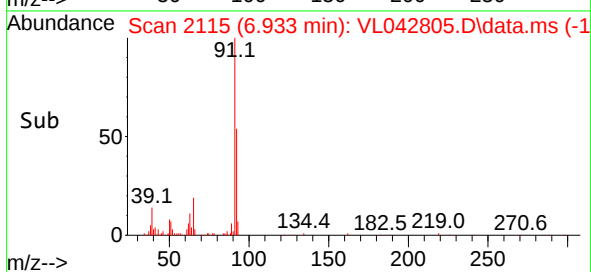
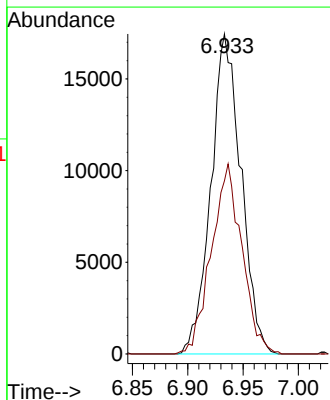
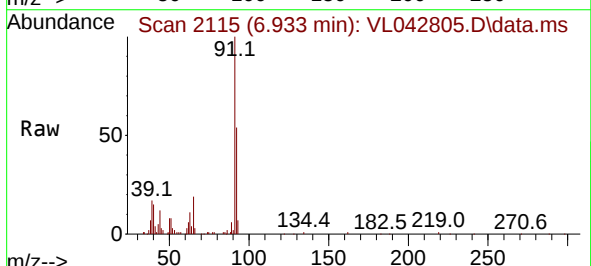
Manual Integrations
APPROVED

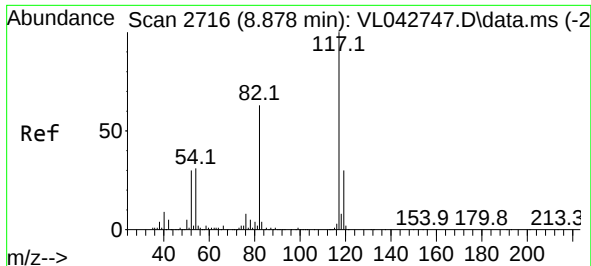
Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025



#53
Toluene
Concen: 0.693 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

Tgt Ion: 91 Resp: 33005
Ion Ratio Lower Upper
91 100
92 60.3 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: VL042805.D

Acq: 04 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

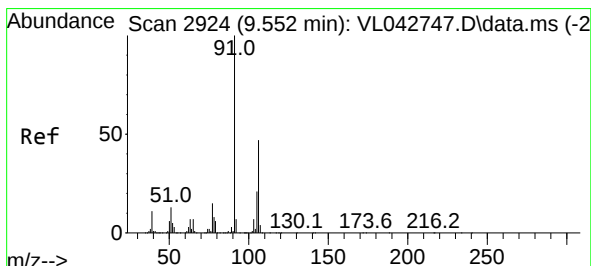
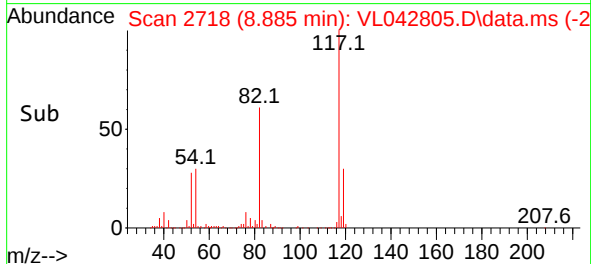
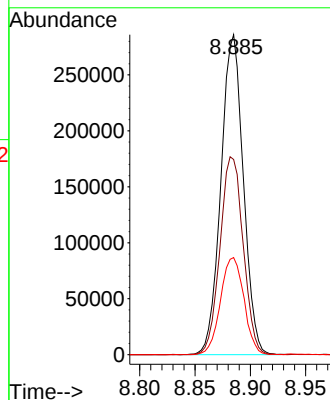
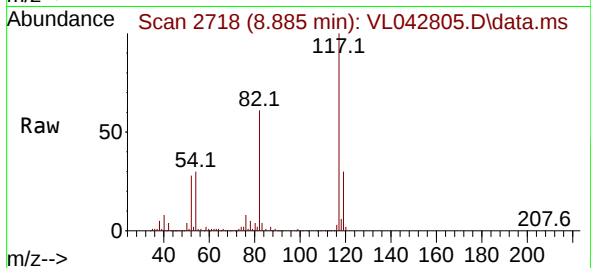
WONDER IA-7

Tgt Ion:	117	Resp:	40357
Ion Ratio	Lower	Upper	
117	100		
82	64.0	53.3	79.9
119	31.8	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: 0.199 ppbv

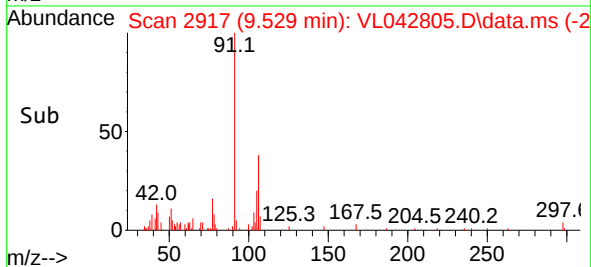
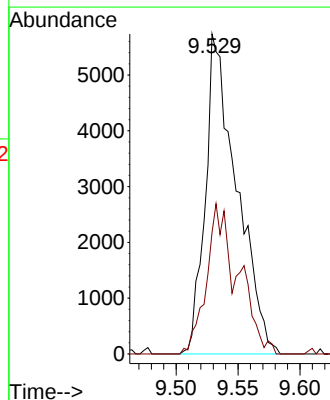
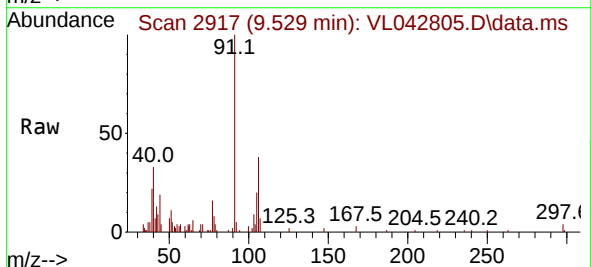
RT: 9.529 min Scan# 2917

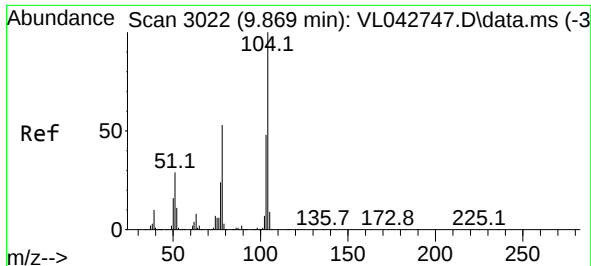
Delta R.T. -0.023 min

Lab File: VL042805.D

Acq: 04 Aug 2025 15:10

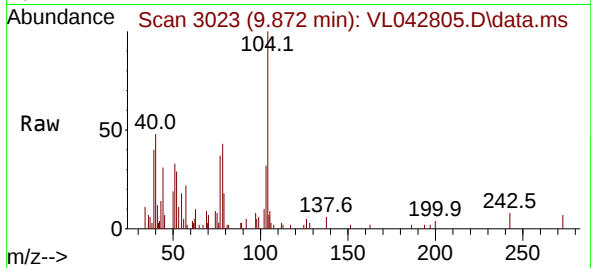
Tgt Ion:	91	Resp:	10128
Ion Ratio	Lower	Upper	
91	100		
106	47.0	37.4	56.2





#61
Styrene
Concen: 0.158 ppbv
RT: 9.872 min Scan# 3022
Delta R.T. 0.003 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10

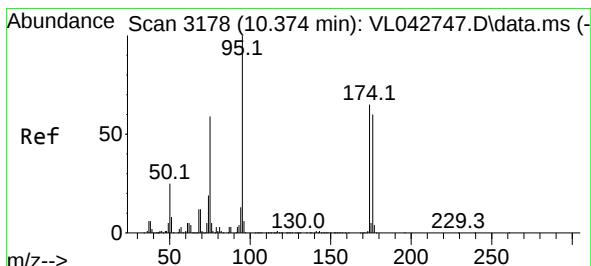
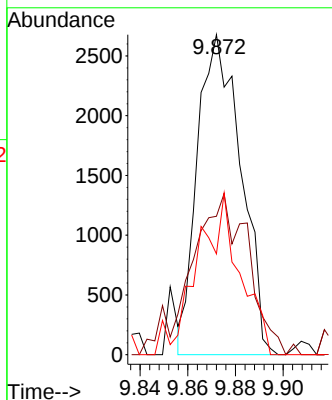
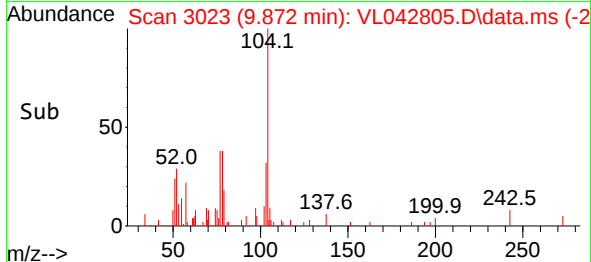
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-7



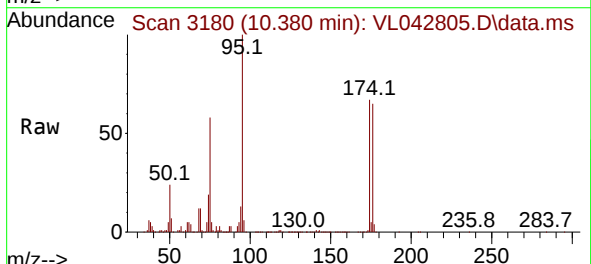
Tgt Ion: 104 Resp: 3389
Ion Ratio Lower Upper
104 100
78 68.1 41.5 62.3
103 49.9 37.5 56.3

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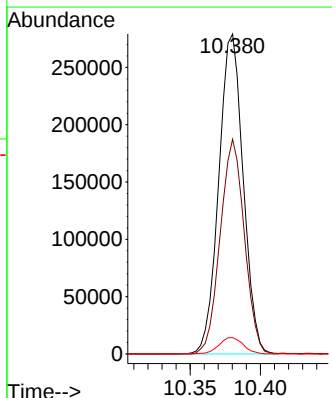
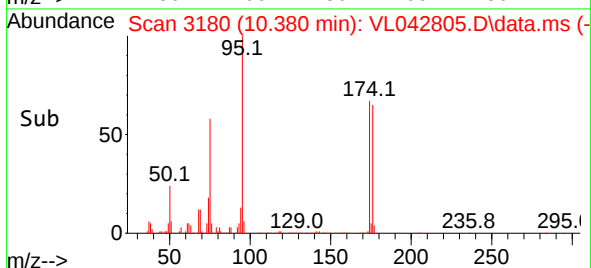
Reviewed By : Semsettin Yesilyurt 08/05/2025
Supervised By : Mahesh Dadoda 08/05/2025

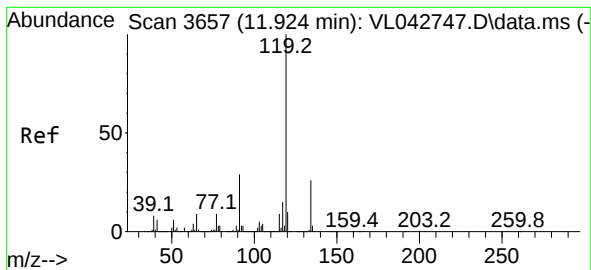


#68
1-Bromo-4-Fluorobenzene
Concen: 10.523 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.006 min
Lab File: VL042805.D
Acq: 04 Aug 2025 15:10



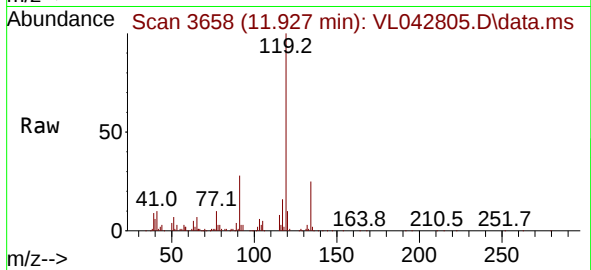
Tgt Ion: 95 Resp: 336326
Ion Ratio Lower Upper
95 100
174 66.6 53.8 80.6
175 5.1 4.0 6.0





#69
 p-Isopropyltoluene
 Concen: 0.557 ppbv
 RT: 11.927 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL042805.D
 Acq: 04 Aug 2025 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 WONDER IA-7



Tgt Ion:119 Resp: 4307
 Ion Ratio Lower Upper
 119 100
 134 26.6 20.6 31.0
 91 31.2 23.2 34.8

Manual Integrations
 APPROVED

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

