

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041808.D
 Acq On : 18 Dec 2024 23:08
 Operator : SY/MD
 Sample : P5295-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC9DL

Quant Time: Dec 19 08:01:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/23/2024
 Supervised By : Mahesh Dadoda 12/23/2024

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

Internal Standards						
1) Bromochloromethane	2.797	49	71123	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.975	114	168368	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.894	117	158378	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	132533	10.042	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	1642	0.130	ppbv #	71
4) Chloromethane	1.534	50	528	0.107	ppbv #	75
9) Propene	1.489	41	993	0.198	ppbv	98
13) Ethanol	1.725	45	5417	13.013	ppbv #	34
15) Acetone	1.842	43	14582	1.054	ppbv	97
19) Isopropyl Alcohol	1.894	45	5356	0.645	ppbv #	39
20) Methylene Chloride	2.068	84	1852	0.469	ppbv	94
29) Chloroform	2.855	83	92098	6.186	ppbv	100
32) 1,1,1-Trichloroethane	3.382	97	663	0.044	ppbv #	61
34) 2-Butanone	2.570	43	2200	0.162	ppbv	93
35) Carbon Tetrachloride	3.774	117	4129	0.345	ppbv	88
52) Tetrachloroethene	8.234	164	776m	0.120	ppbv	
53) Toluene	6.949	91	7718m	0.391	ppbv	
59) m/p-Xylene	9.539	91	6359m	0.277	ppbv	
60) o-Xylene	9.975	91	2603	0.113	ppbv	97

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

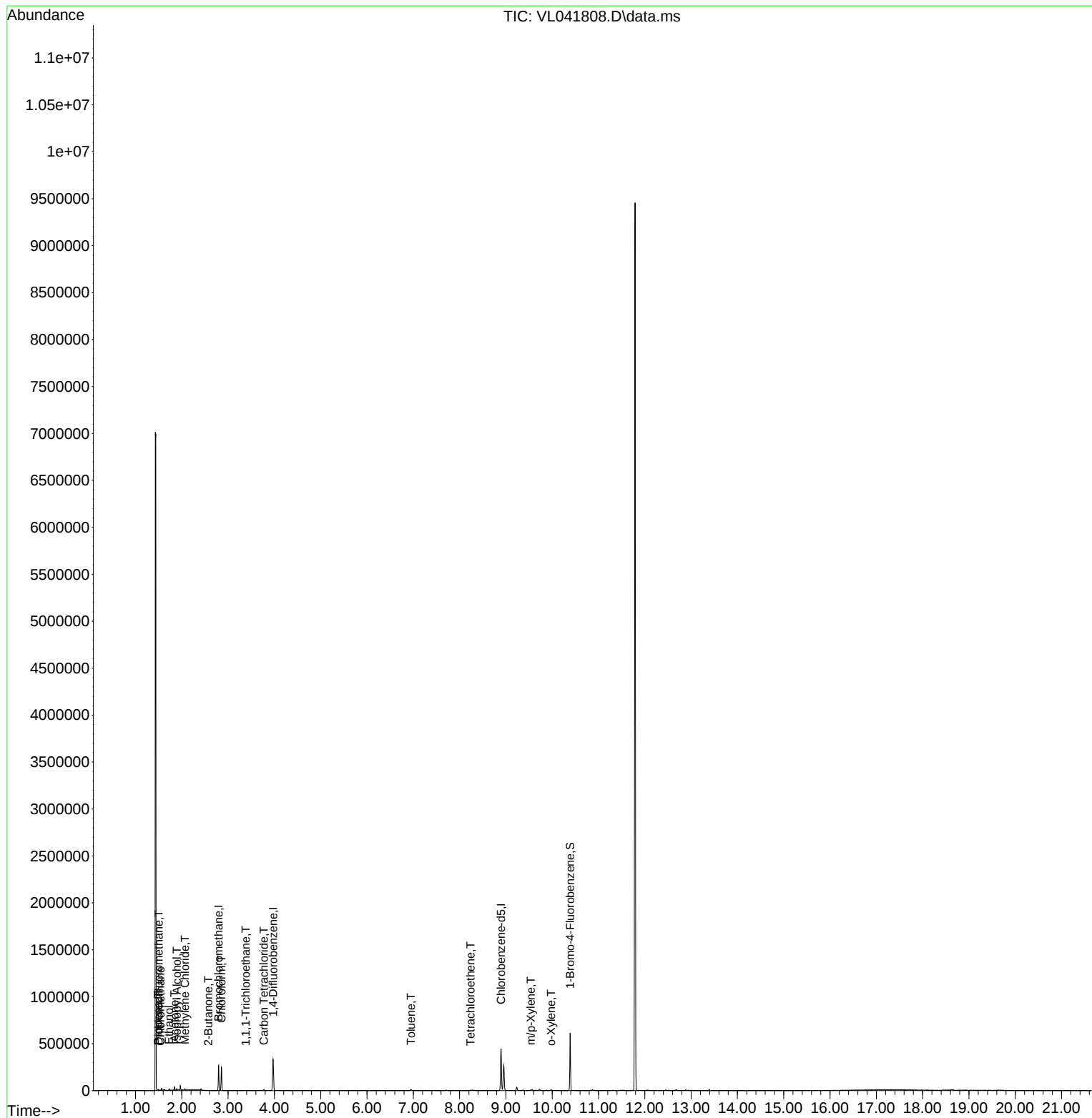
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
Data File : VL041808.D
Acq On : 18 Dec 2024 23:08
Operator : SY/MD
Sample : P5295-02DL 4X
Misc : 400mL/MSVOA_L
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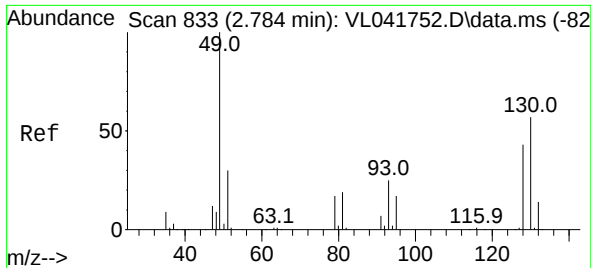
Instrument :
MSVOA_L
ClientSampleId :
C0AC9DL

Quant Time: Dec 19 08:01:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

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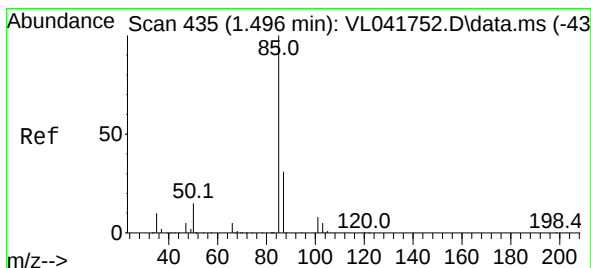
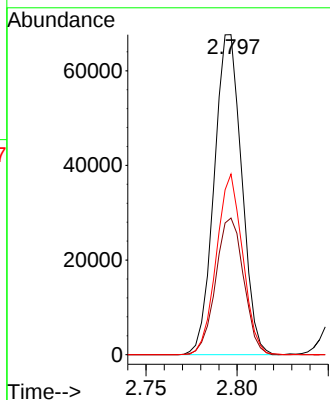
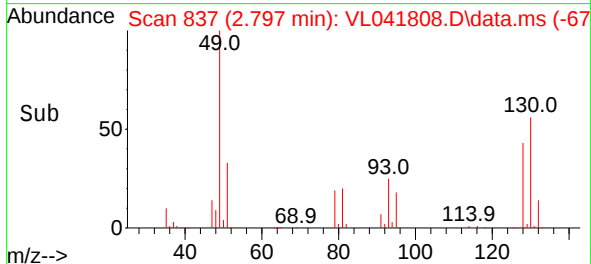
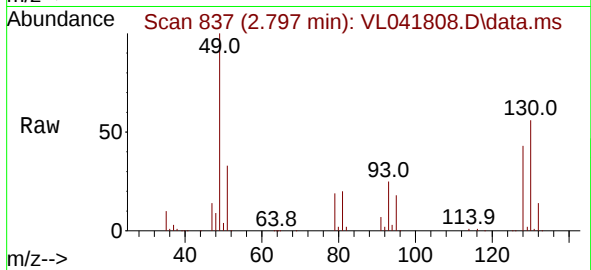
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 841
Delta R.T. 0.013 min
Lab File: VL041808.D
Acq: 18 Dec 2024 23:08

Instrument :
MSVOA_L
ClientSampleId :
C0AC9DL

Tgt Ion: 49 Resp: 71123
Ion Ratio Lower Upper
49 100
128 43.3 21.6 64.6
130 53.8 28.3 85.0

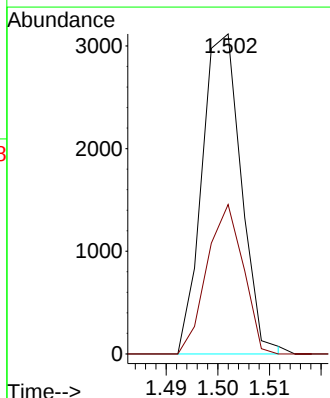
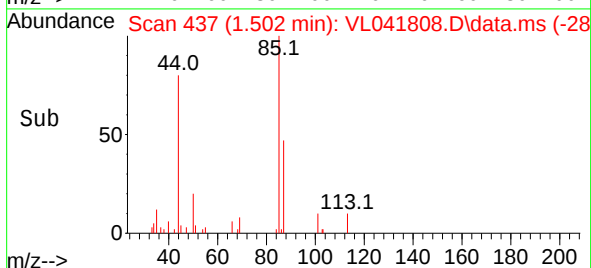
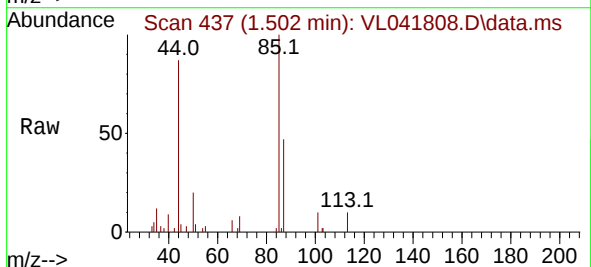
Manual Integrations
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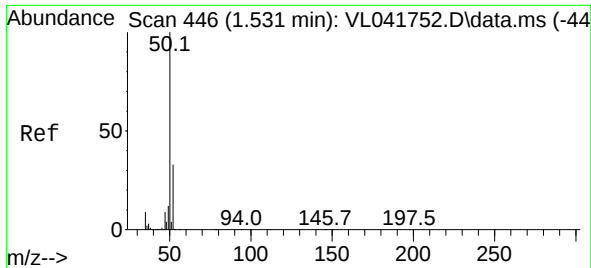
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#2
Dichlorodifluoromethane
Concen: 0.130 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL041808.D
Acq: 18 Dec 2024 23:08

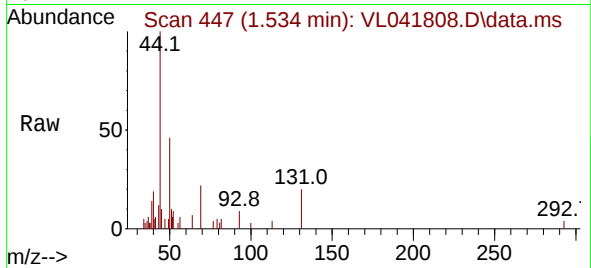
Tgt Ion: 85 Resp: 1642
Ion Ratio Lower Upper
85 100
87 46.7 24.5 36.7#





#4
Chloromethane
Concen: 0.107 ppbv
RT: 1.534 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL041808.D
Acq: 18 Dec 2024 23:08

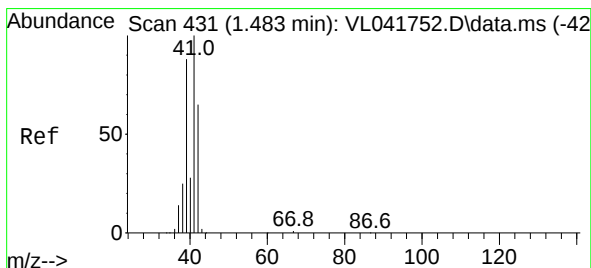
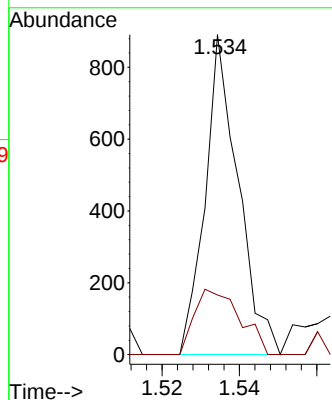
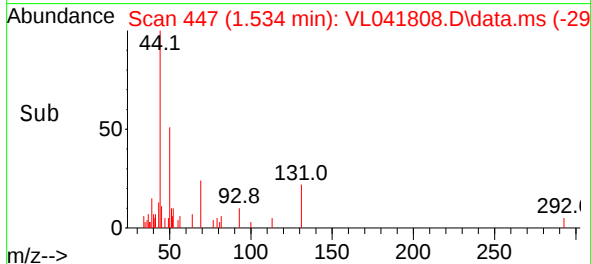
Instrument :
MSVOA_L
ClientSampleId :
C0AC9DL



Tgt Ion: 50 Resp: 528
Ion Ratio Lower Upper
50 100
52 18.6 26.2 39.2

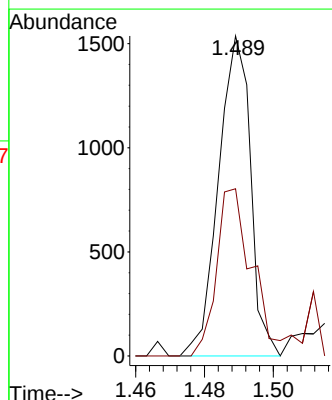
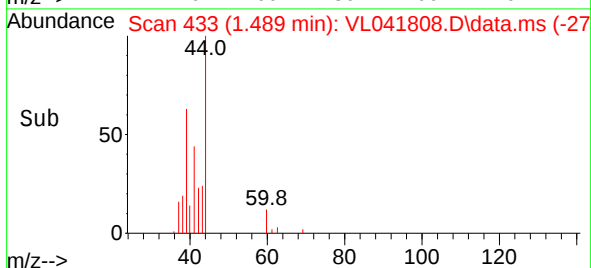
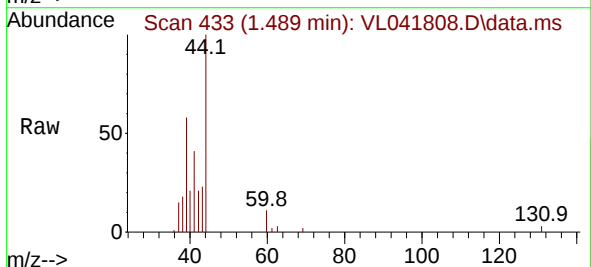
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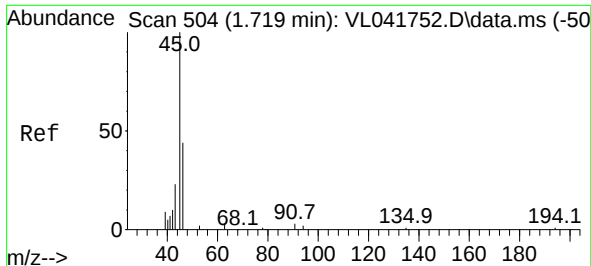
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#9
Propene
Concen: 0.198 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL041808.D
Acq: 18 Dec 2024 23:08

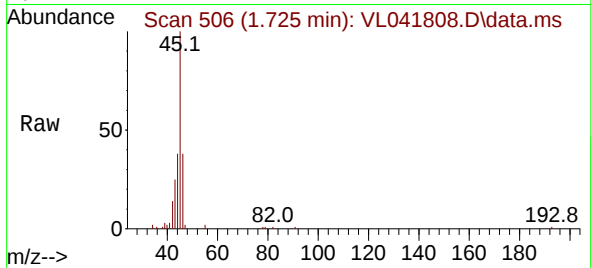
Tgt Ion: 41 Resp: 993
Ion Ratio Lower Upper
41 100
42 66.8 52.4 78.6





#13
Ethanol
Concen: 13.013 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL041808.D
Acq: 18 Dec 2024 23:08

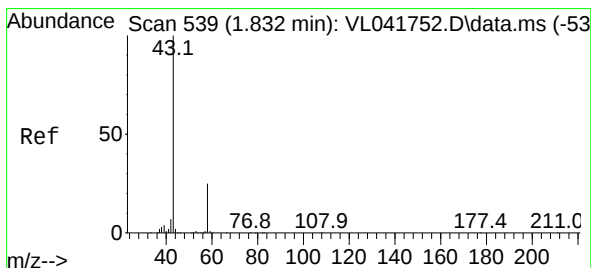
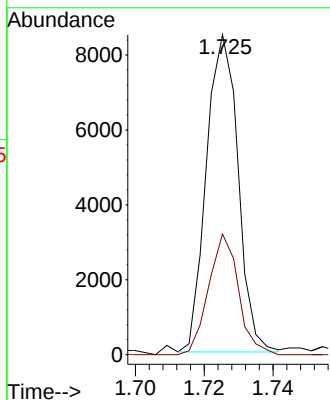
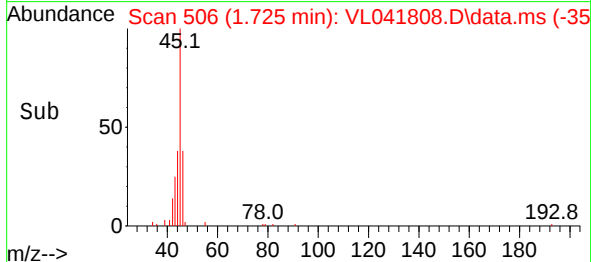
Instrument :
MSVOA_L
ClientSampleId :
C0AC9DL



Tgt Ion: 45 Resp: 541
Ion Ratio Lower Upper
45 100
46 0.0 16.4 65.8

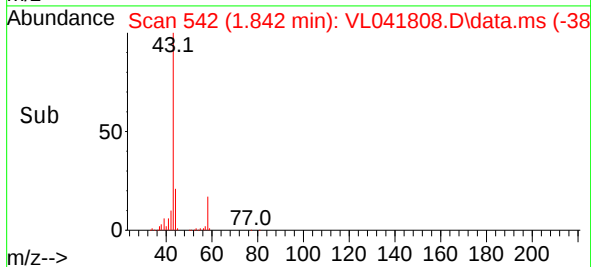
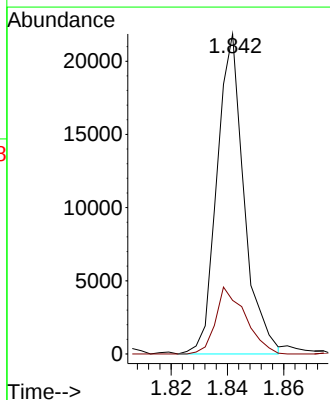
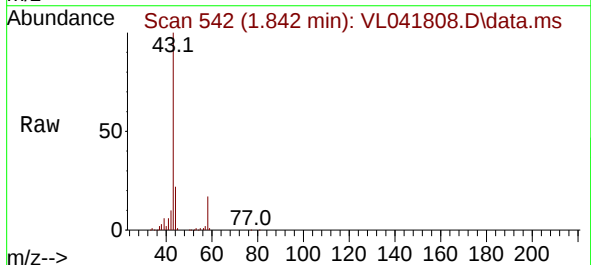
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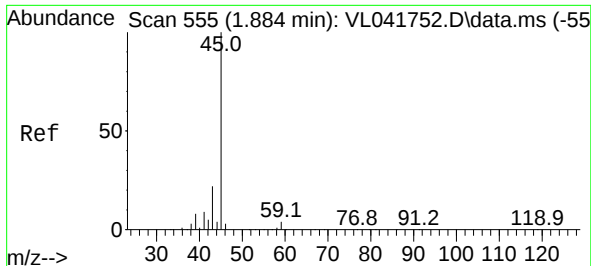
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#15
Acetone
Concen: 1.054 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.009 min
Lab File: VL041808.D
Acq: 18 Dec 2024 23:08

Tgt Ion: 43 Resp: 14582
Ion Ratio Lower Upper
43 100
58 23.2 19.7 29.5





#19

Isopropyl Alcohol

Concen: 0.645 ppbv

RT: 1.894 min Scan# 51

Delta R.T. 0.009 min

Lab File: VL041808.D

Acq: 18 Dec 2024 23:08

Instrument :

MSVOA_L

ClientSampleId :

C0AC9DL

Tgt Ion: 45 Resp: 535

Ion Ratio Lower Upper

45 100

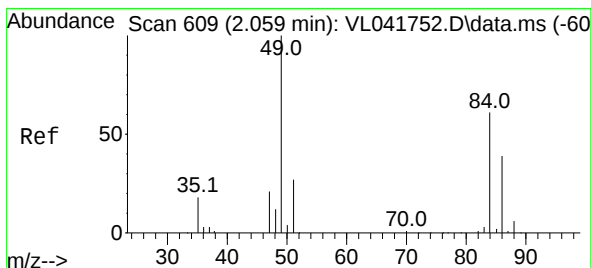
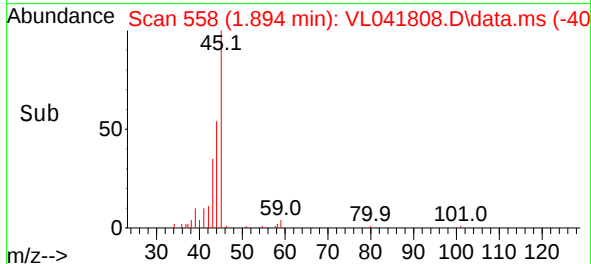
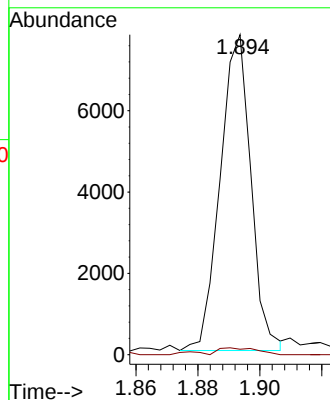
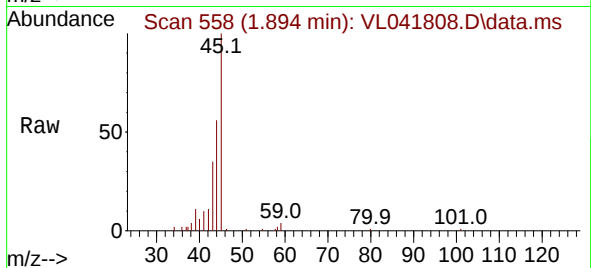
58 3.4 33.3 49.9

Manual Integrations

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Supervised By :Mahesh Dadoda 12/23/2024



#20

Methylene Chloride

Concen: 0.469 ppbv

RT: 2.068 min Scan# 612

Delta R.T. 0.009 min

Lab File: VL041808.D

Acq: 18 Dec 2024 23:08

Tgt Ion: 84 Resp: 1852

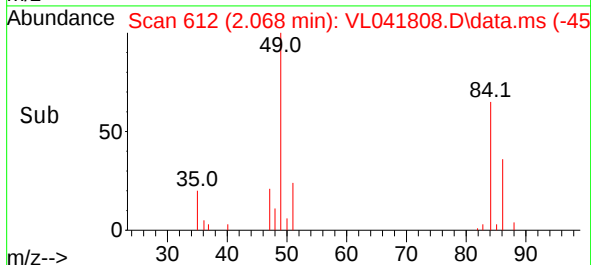
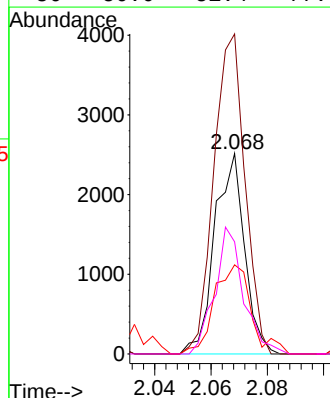
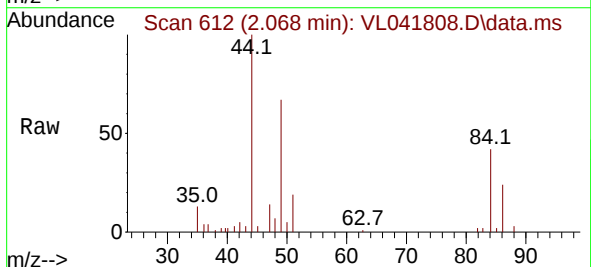
Ion Ratio Lower Upper

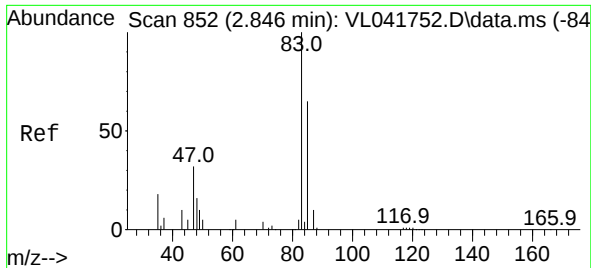
84 100

49 159.6 132.6 198.8

51 44.5 37.6 56.4

86 56.0 51.4 77.0





#29

Chloroform

Concen: 6.186 ppbv

RT: 2.855 min Scan# 80

Delta R.T. 0.009 min

Lab File: VL041808.D

Acq: 18 Dec 2024 23:08

Instrument :

MSVOA_L

ClientSampleId :

C0AC9DL

Tgt Ion: 83 Resp: 92098

Ion Ratio Lower Upper

83 100

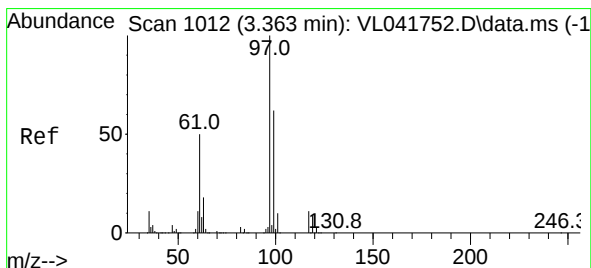
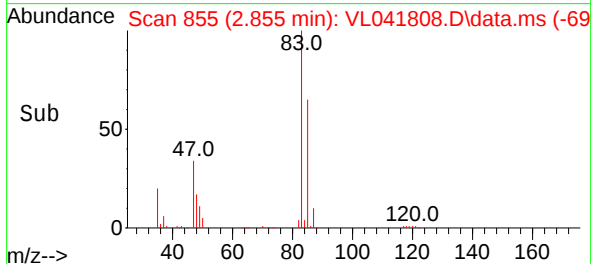
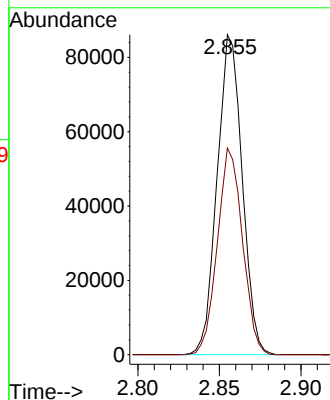
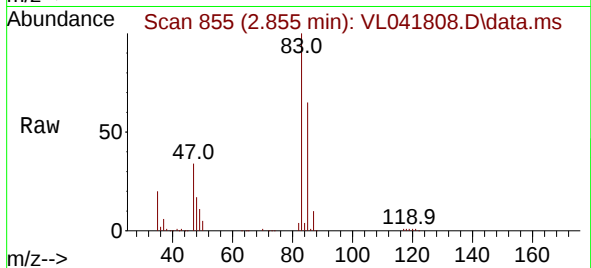
85 64.6 51.8 77.6

Manual Integrations

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Supervised By :Mahesh Dadoda 12/23/2024



#32

1,1,1-Trichloroethane

Concen: 0.044 ppbv

RT: 3.382 min Scan# 1018

Delta R.T. 0.019 min

Lab File: VL041808.D

Acq: 18 Dec 2024 23:08

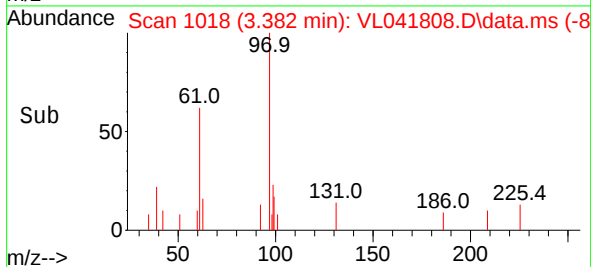
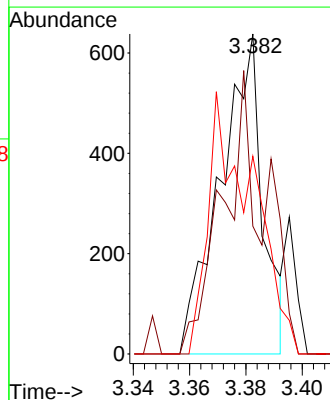
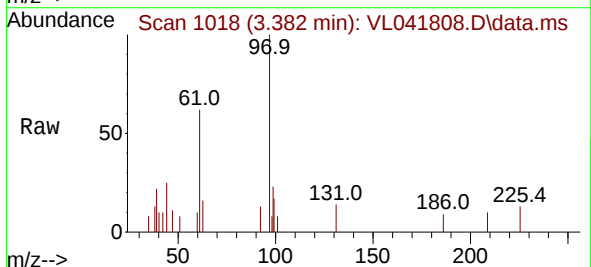
Tgt Ion: 97 Resp: 663

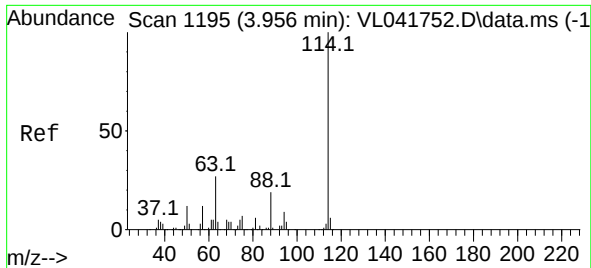
Ion Ratio Lower Upper

97 100

99 89.6 51.0 76.4#

61 85.8 42.2 63.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1195

Delta R.T. 0.019 min

Lab File: VL041808.D

Acq: 18 Dec 2024 23:08

Instrument :

MSVOA_L

ClientSampleId :

C0AC9DL

Tgt Ion:114 Resp: 16836

Ion Ratio Lower Upper

114 100

63 28.3 21.8 32.8

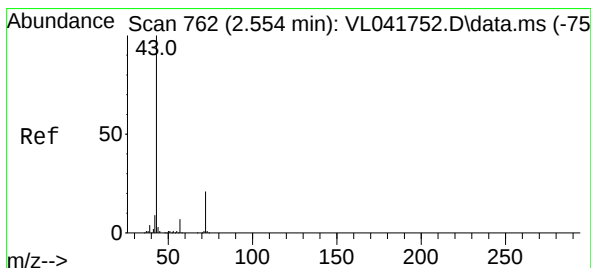
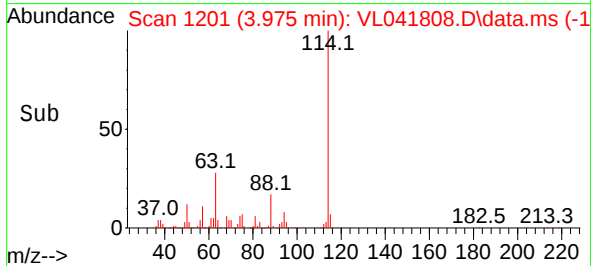
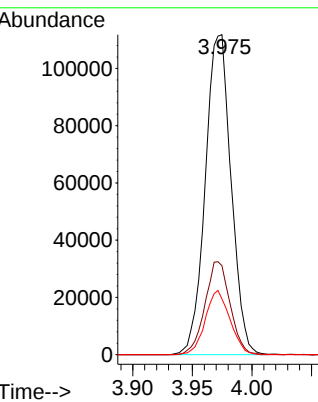
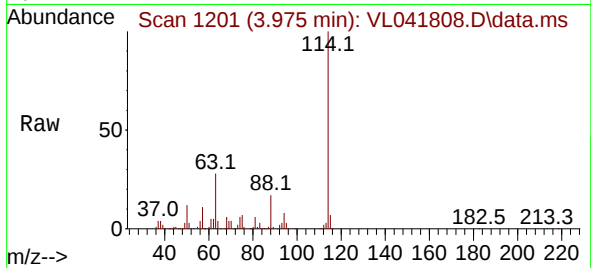
88 19.1 14.8 22.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/23/2024

Supervised By :Mahesh Dadoda 12/23/2024



#34

2-Butanone

Concen: 0.162 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.016 min

Lab File: VL041808.D

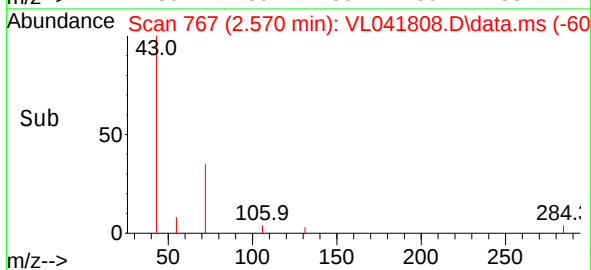
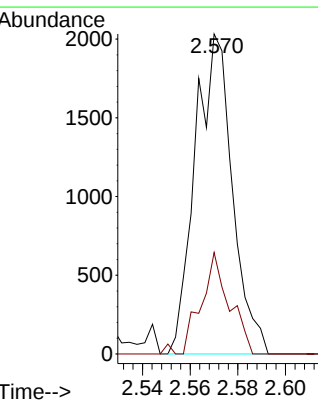
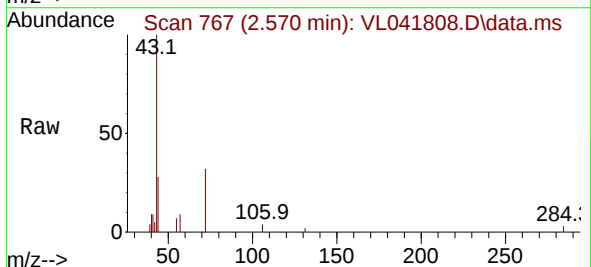
Acq: 18 Dec 2024 23:08

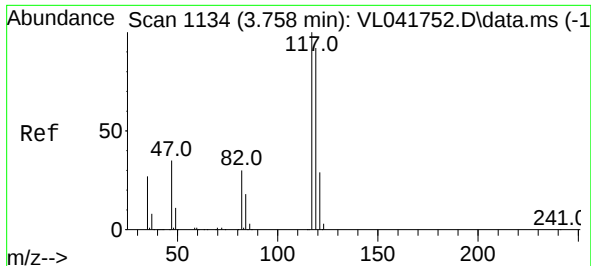
Tgt Ion: 43 Resp: 2200

Ion Ratio Lower Upper

43 100

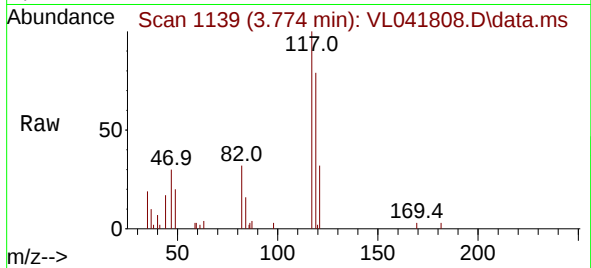
72 24.4 16.8 25.2





#35
Carbon Tetrachloride
Concen: 0.345 ppbv
RT: 3.774 min Scan# 1139
Delta R.T. 0.016 min
Lab File: VL041808.D
Acq: 18 Dec 2024 23:08

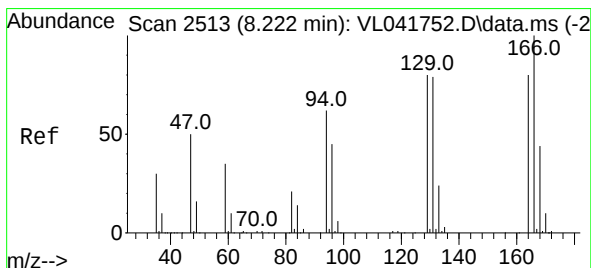
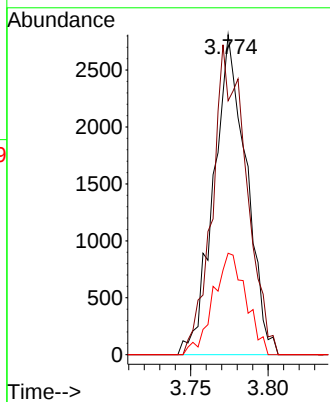
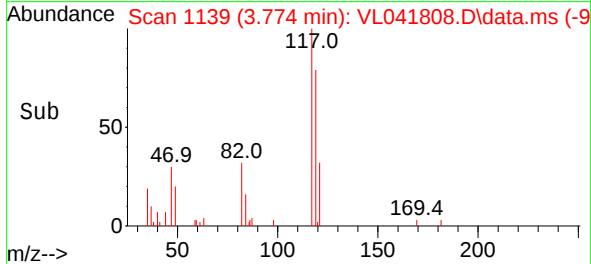
Instrument :
MSVOA_L
ClientSampleId :
C0AC9DL



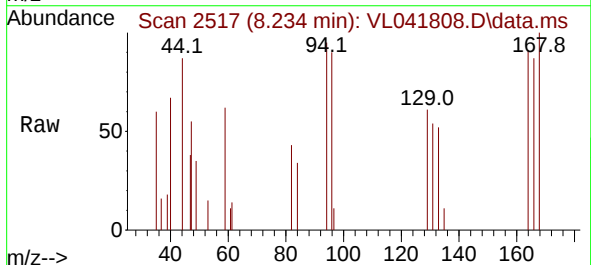
Tgt Ion:117 Resp: 4129
Ion Ratio Lower Upper
117 100
119 79.3 73.7 110.5
121 31.7 23.0 34.4

Manual Integrations
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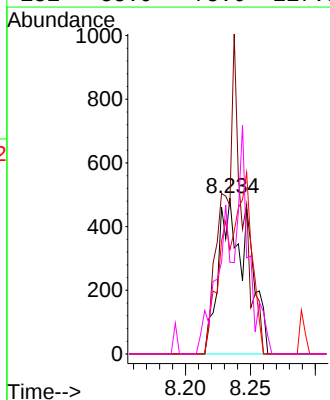
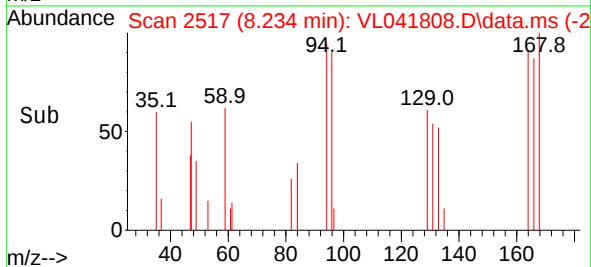
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024

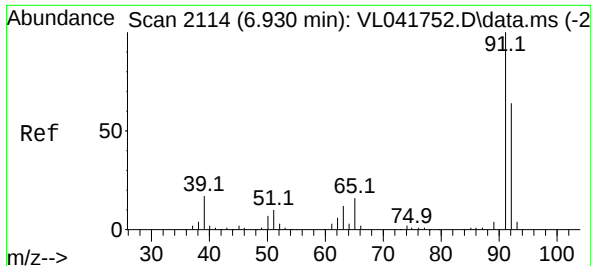


#52
Tetrachloroethene
Concen: 0.120 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. 0.013 min
Lab File: VL041808.D
Acq: 18 Dec 2024 23:08



Tgt Ion:164 Resp: 776
Ion Ratio Lower Upper
164 100
166 95.3 99.8 149.6#
129 66.9 79.6 119.4#
131 58.9 78.6 117.8#





#53

Toluene

Concen: 0.391 ppbv m

RT: 6.949 min Scan# 2114

Delta R.T. 0.019 min

Lab File: VL041808.D

Acq: 18 Dec 2024 23:08

Instrument :

MSVOA_L

ClientSampleId :

C0AC9DL

Tgt Ion: 91 Resp: 7718

Ion Ratio Lower Upper

91 100

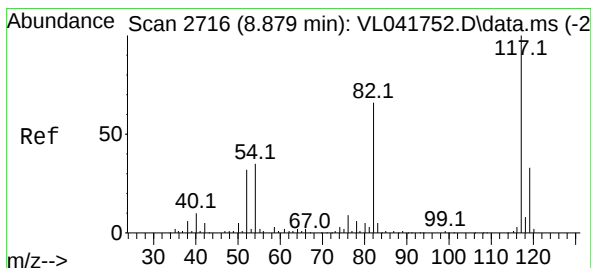
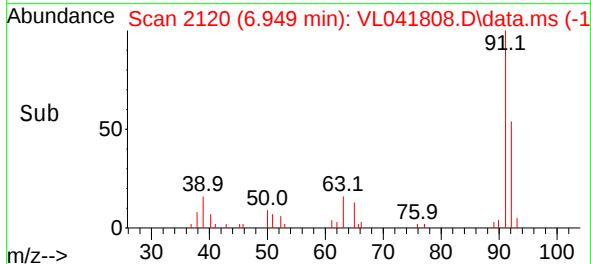
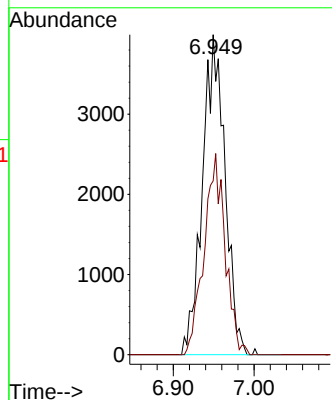
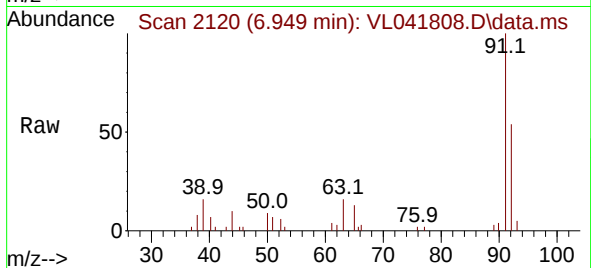
92 59.0 47.9 71.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024

Supervised By :Mahesh Dadoda 12/23/2024



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.894 min Scan# 2721

Delta R.T. 0.016 min

Lab File: VL041808.D

Acq: 18 Dec 2024 23:08

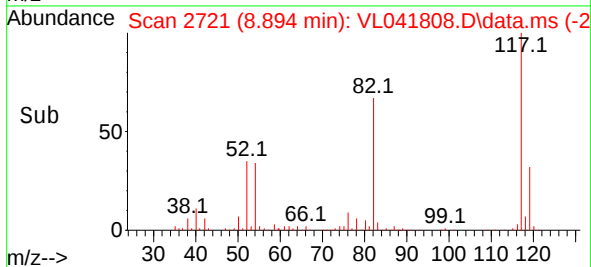
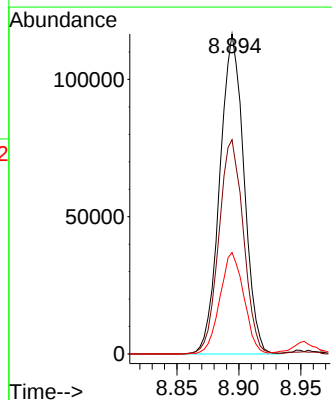
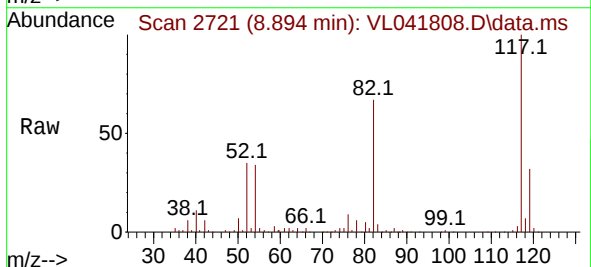
Tgt Ion:117 Resp: 158378

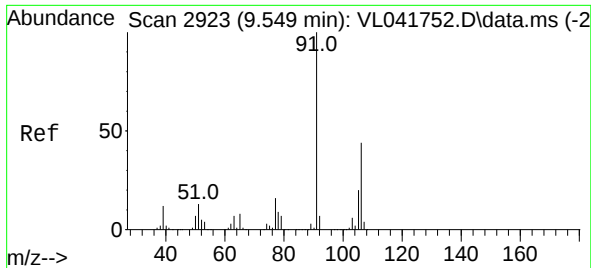
Ion Ratio Lower Upper

117 100

82 68.2 53.8 80.8

119 31.5 26.7 40.1





#59

m/p-Xylene

Concen: 0.277 ppbv m

RT: 9.539 min Scan# 2923

Delta R.T. -0.010 min

Lab File: VL041808.D

Acq: 18 Dec 2024 23:08

Instrument :

MSVOA_L

ClientSampleId :

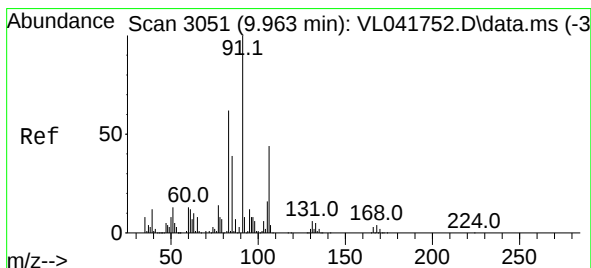
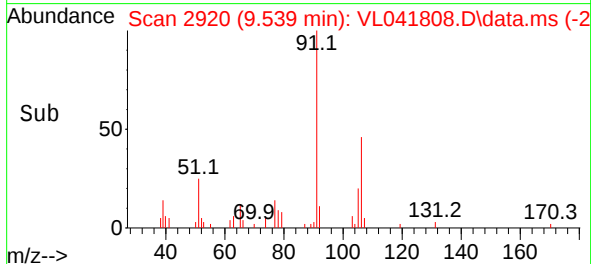
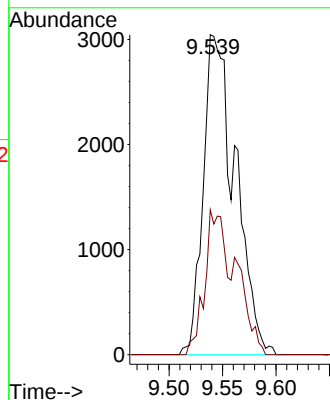
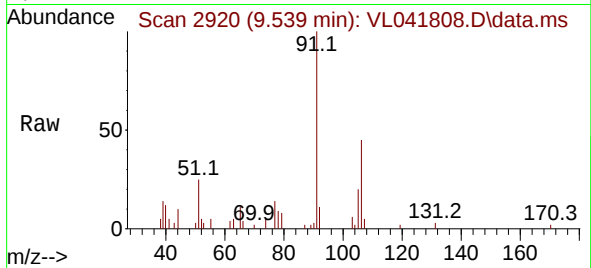
C0AC9DL

Tgt Ion: 91 Resp: 635
 Ion Ratio Lower Upper
 91 100
 106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
 Supervised By :Mahesh Dadoda 12/23/2024



#60

o-Xylene

Concen: 0.113 ppbv

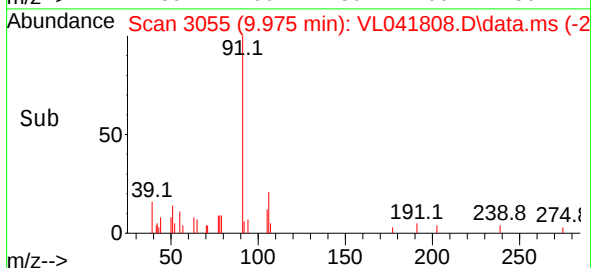
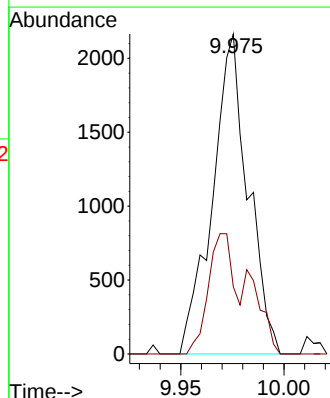
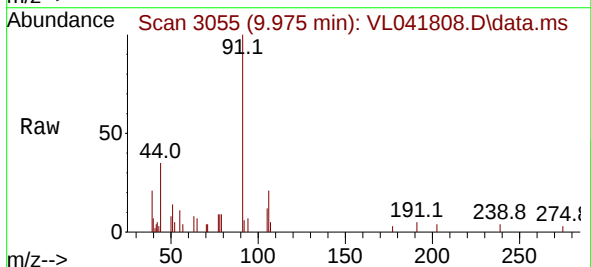
RT: 9.975 min Scan# 3055

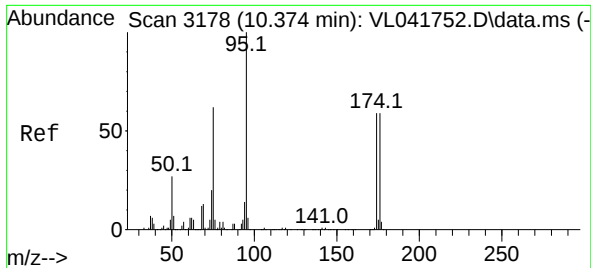
Delta R.T. 0.013 min

Lab File: VL041808.D

Acq: 18 Dec 2024 23:08

Tgt Ion: 91 Resp: 2603
 Ion Ratio Lower Upper
 91 100
 106 40.3 21.1 63.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.042 ppbv

RT: 10.387 min Scan# 3178

Delta R.T. 0.013 min

Lab File: VL041808.D

Acq: 18 Dec 2024 23:08

Instrument :

MSVOA_L

ClientSampleId :

C0AC9DL

Tgt Ion: 95 Resp: 13253

Ion Ratio Lower Upper

95 100

174 58.0 47.6 71.4

175 4.6 3.7 5.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024

Supervised By :Mahesh Dadoda 12/23/2024

