

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
 Data File : VL041203.D
 Acq On : 2 May 2024 20:02
 Operator : SY/MD
 Sample : P2334-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-IA02-20240425

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024
 Supervised By :Mahesh Dadoda 05/07/2024

Quant Time: May 03 03:43:56 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 03 03:34:47 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	850600	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2136230	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	1959875	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1462708	9.886	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	44618	0.388	ppbv	94
3) Chlorodifluoromethane	2.677	51	42430m	0.328	ppbv	
4) Chloromethane	2.816	50	30794	0.607	ppbv	88
9) Propene	2.706	41	57793m	1.143	ppbv	
11) Trichlorofluoromethane	3.565	101	28627	0.245	ppbv	98
13) Ethanol	3.240	45	287151	25.337	ppbv	98
15) Acetone	3.465	43	1053279	10.492	ppbv	99
20) Methylene Chloride	3.931	84	2567839	73.559	ppbv	95
26) Hexane	5.211	57	2325669	26.009	ppbv #	40
30) Cyclohexane	6.594	84	10862m	0.153	ppbv	
34) 2-Butanone	4.790	43	122615	1.128	ppbv	94
35) Carbon Tetrachloride	6.491	117	8725m	0.073	ppbv	
36) Benzene	6.365	78	30501	0.170	ppbv #	90
44) 2,2,4-Trimethylpentane	7.324	57	34856m	0.113	ppbv	
50) 4-Methyl-2-Pentanone	8.198	43	30756m	0.158	ppbv	
52) Tetrachloroethene	10.616	164	4979m	0.079	ppbv	
53) Toluene	9.224	91	158765	0.764	ppbv	99
59) m/p-Xylene	12.356	91	62485m	0.277	ppbv	
60) o-Xylene	13.047	91	21506m	0.102	ppbv	
74) 1,2,4-Trimethylbenzene	16.105	105	40983m	0.173	ppbv	

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

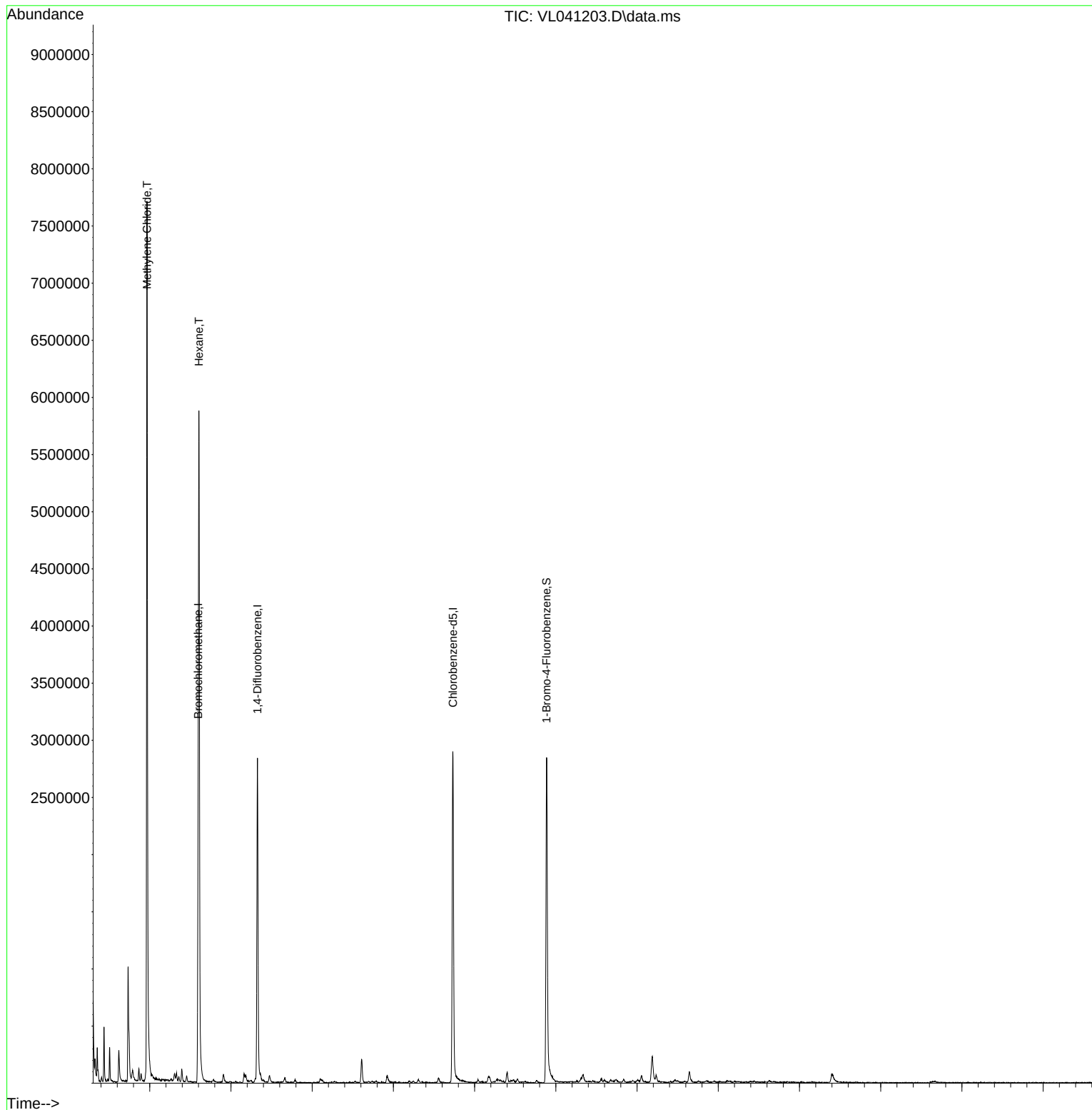
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
Data File : VL041203.D
Acq On : 2 May 2024 20:02
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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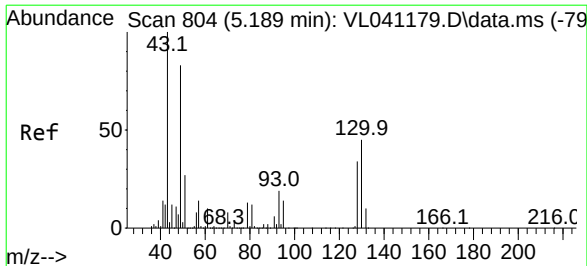
Instrument :
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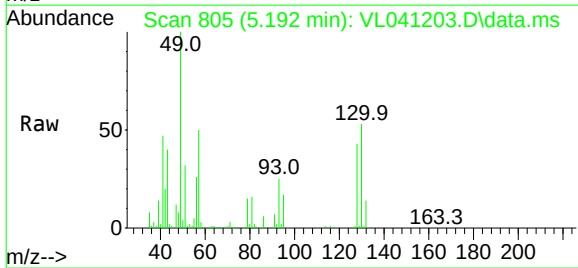
Quant Time: May 03 03:43:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 03 03:34:47 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02

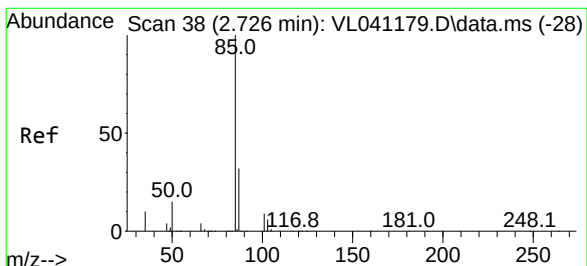
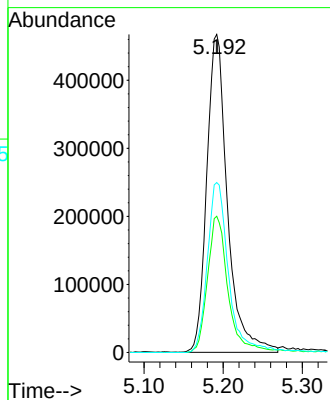
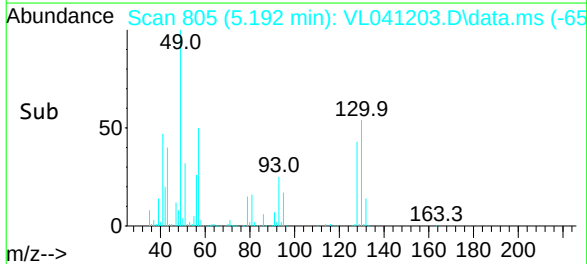
Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA02-20240425



Tgt Ion: 49 Resp: 850600
Ion Ratio Lower Upper
49 100
128 43.0 21.5 64.5
130 55.7 27.2 81.6

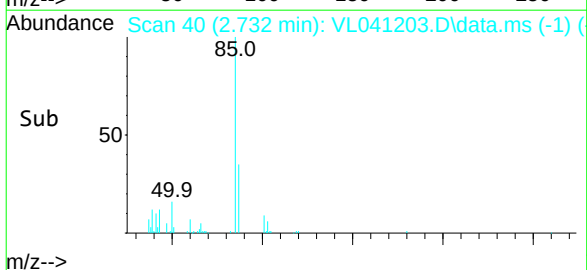
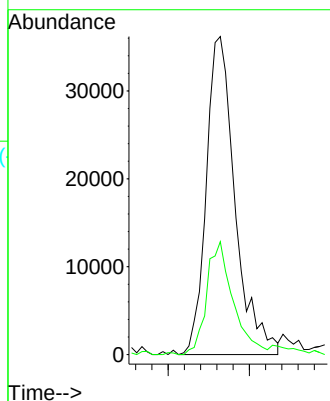
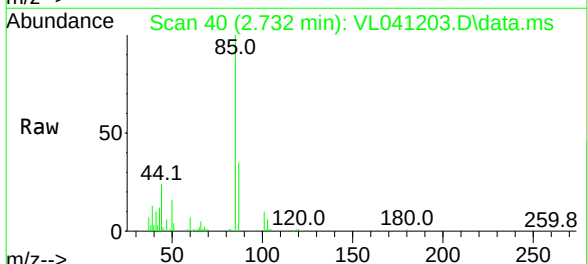
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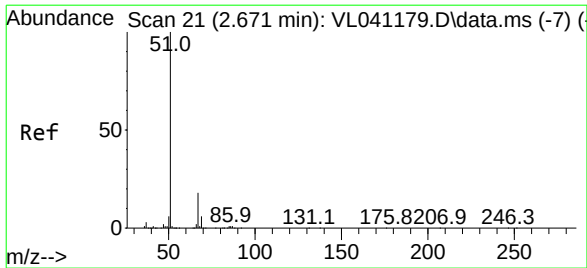
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#2
Dichlorodifluoromethane
Concen: 0.388 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02

Tgt Ion: 85 Resp: 44618
Ion Ratio Lower Upper
85 100
87 35.5 25.7 38.5





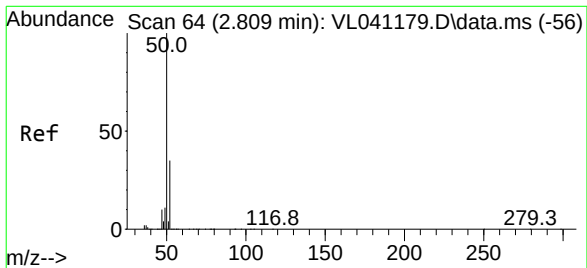
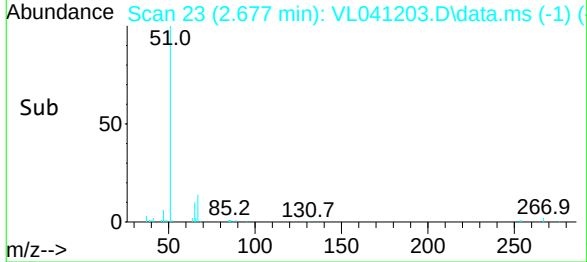
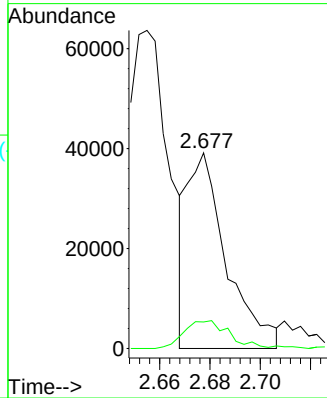
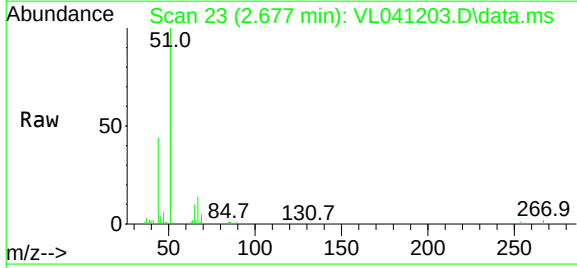
#3
Chlorodifluoromethane
Concen: 0.328 ppbv m
RT: 2.677 min Scan# 23
Delta R.T. 0.003 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02

Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA02-20240425

Tgt Ion: 51 Resp: 42436
Ion Ratio Lower Upper
51 100
67 17.8 14.0 21.0

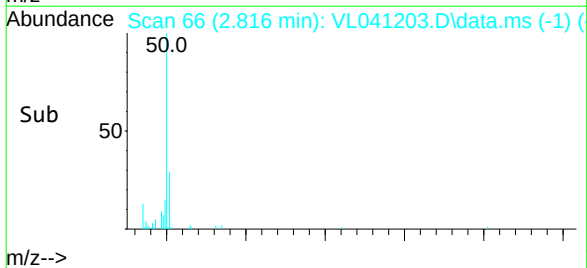
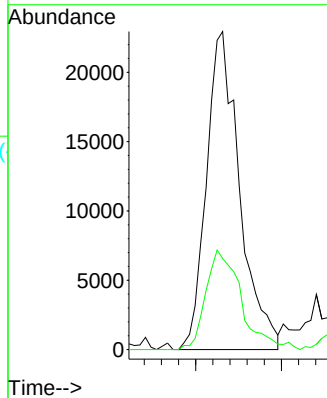
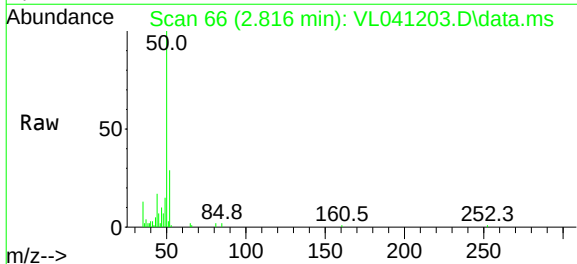
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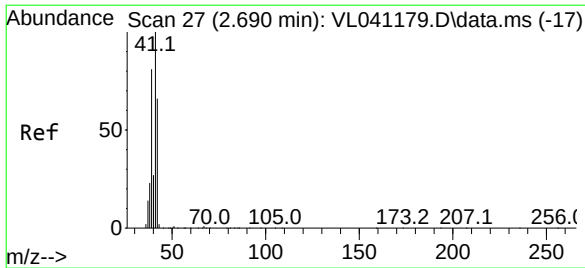
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#4
Chloromethane
Concen: 0.607 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02

Tgt Ion: 50 Resp: 30794
Ion Ratio Lower Upper
50 100
52 28.6 28.3 42.5





#9

Propene

Concen: 1.143 ppbv m

RT: 2.706 min Scan# 32

Delta R.T. 0.013 min

Lab File: VL041203.D

Acq: 2 May 2024 20:02

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA02-20240425

Tgt Ion: 41 Resp: 57793

Ion Ratio Lower Upper

41 100

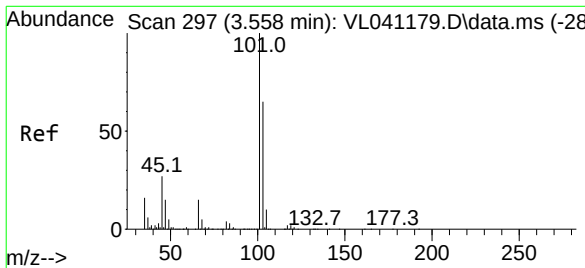
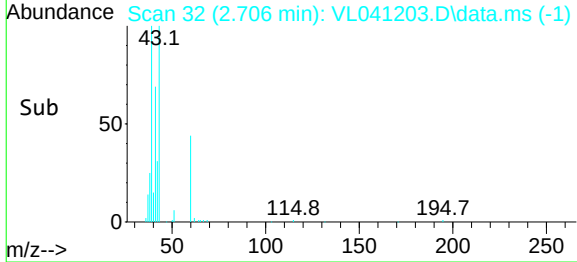
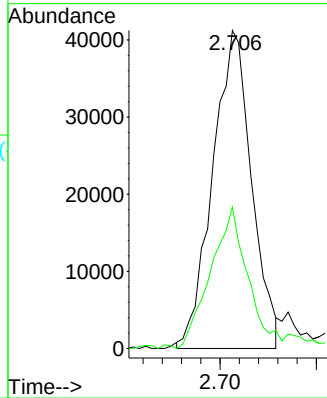
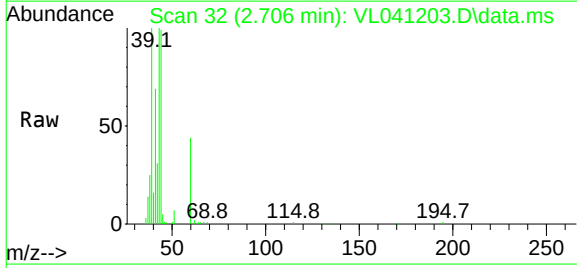
42 139.5 55.3 82.9#

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Supervised By :Mahesh Dadoda 05/07/2024



#11

Trichlorofluoromethane

Concen: 0.245 ppbv

RT: 3.565 min Scan# 299

Delta R.T. 0.007 min

Lab File: VL041203.D

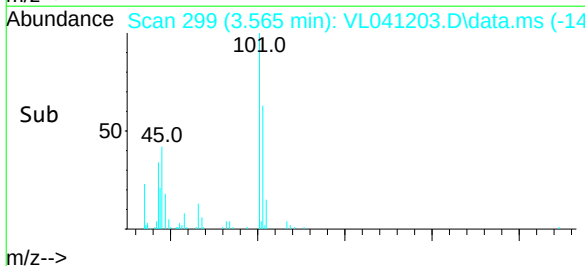
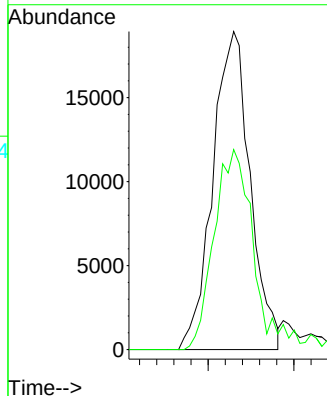
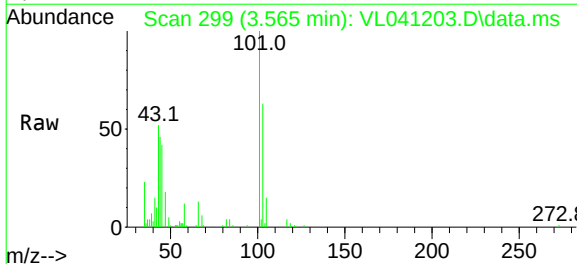
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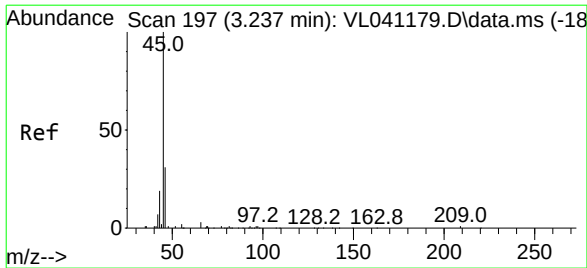
Tgt Ion:101 Resp: 28627

Ion Ratio Lower Upper

101 100

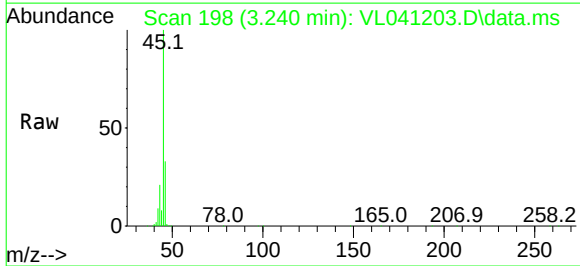
103 62.9 51.6 77.4





#13
Ethanol
Concen: 25.337 ppbv
RT: 3.240 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02

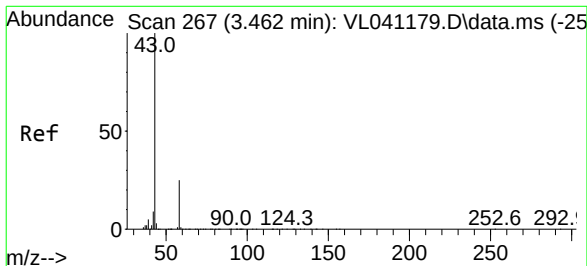
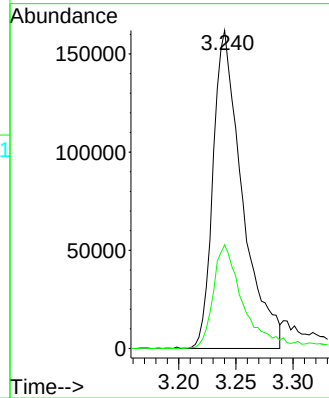
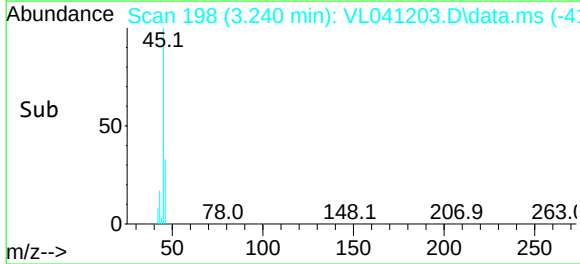
Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA02-20240425



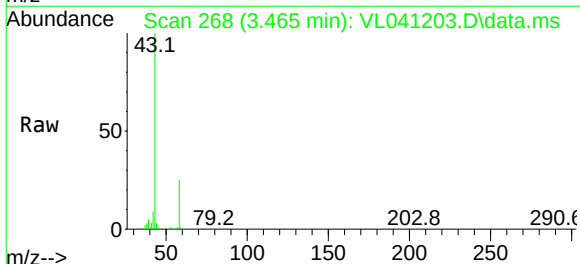
Tgt Ion: 45 Resp: 287151
Ion Ratio Lower Upper
45 100
46 35.4 14.8 59.0

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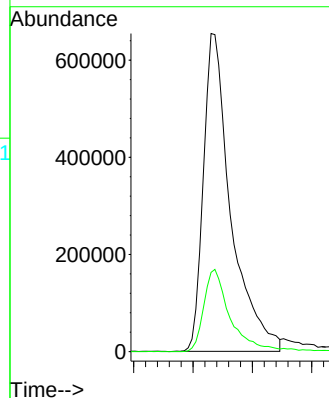
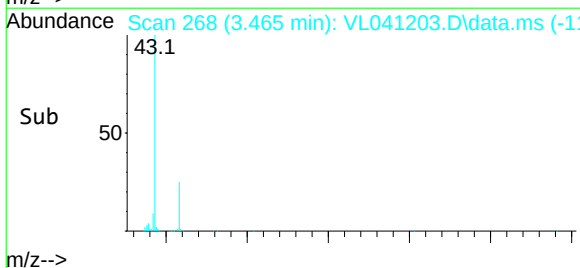
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

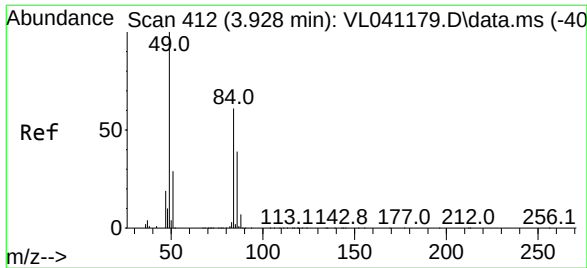


#15
Acetone
Concen: 10.492 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.000 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02



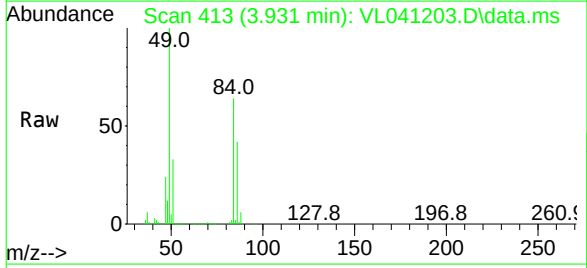
Tgt Ion: 43 Resp: 1053279
Ion Ratio Lower Upper
43 100
58 26.0 21.4 32.0





#20
Methylene Chloride
Concen: 73.559 ppbv
RT: 3.931 min Scan# 412
Delta R.T. 0.000 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02

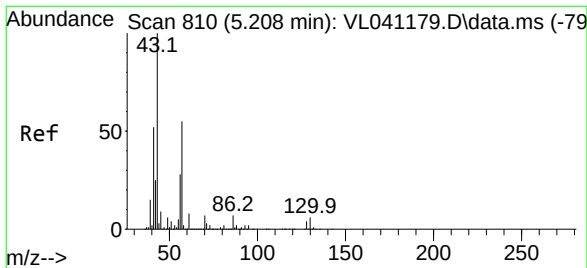
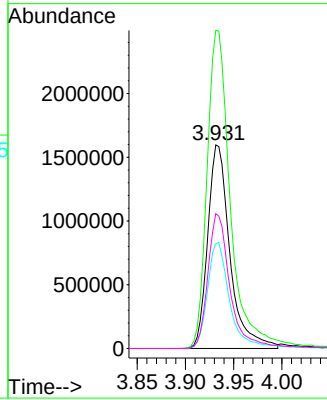
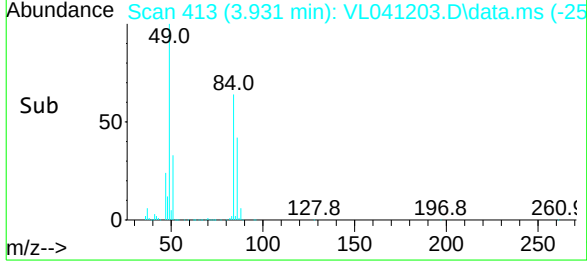
Instrument :
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ClientSampleId :
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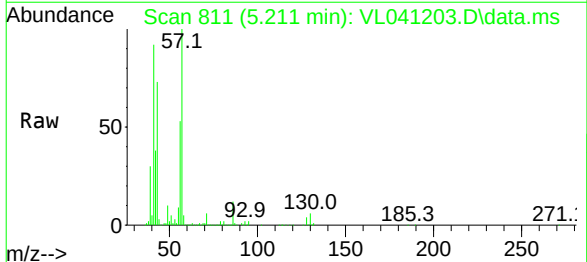
Tgt Ion: 84 Resp: 2567839
Ion Ratio Lower Upper
84 100
49 156.2 130.4 195.6
51 51.5 38.0 57.0
86 66.2 50.3 75.5

Manual Integrations
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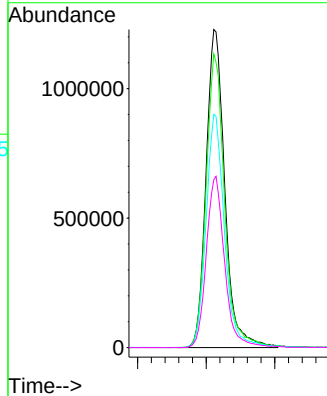
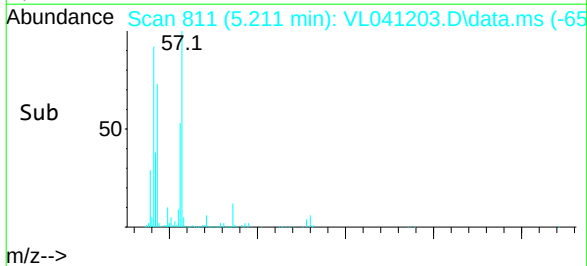
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

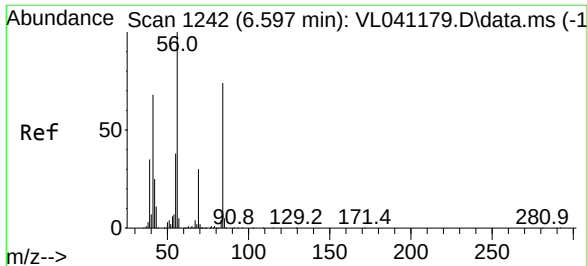


#26
Hexane
Concen: 26.009 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02



Tgt Ion: 57 Resp: 2325669
Ion Ratio Lower Upper
57 100
41 91.7 75.8 113.8
43 72.4 187.0 280.4#
56 53.0 42.7 64.1





#30

Cyclohexane

Concen: 0.153 ppbv m

RT: 6.594 min Scan# 12

Delta R.T. -0.006 min

Lab File: VL041203.D

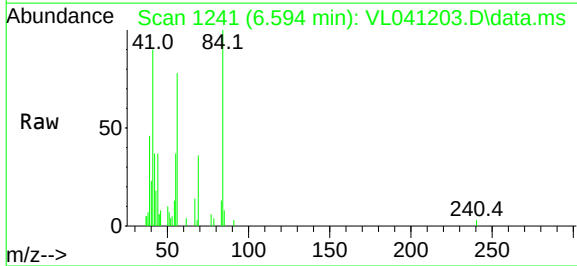
Acq: 2 May 2024 20:02

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA02-20240425



Tgt Ion: 84 Resp: 10862

Ion Ratio Lower Upper

84 100

56 144.3 116.8 175.2

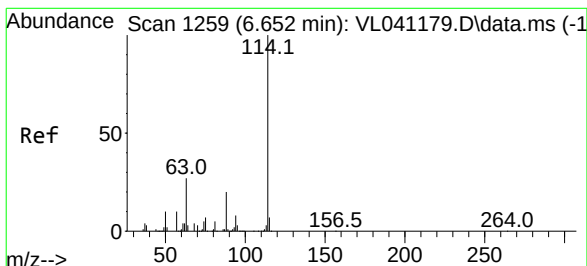
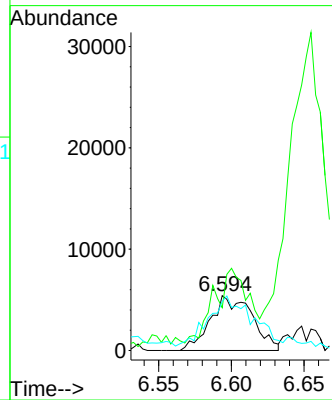
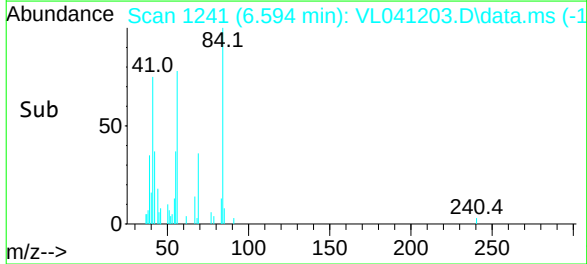
41 125.2 73.8 110.8#

Manual Integrations

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Supervised By :Mahesh Dadoda 05/07/2024



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VL041203.D

Acq: 2 May 2024 20:02

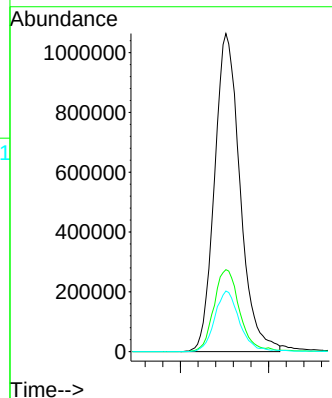
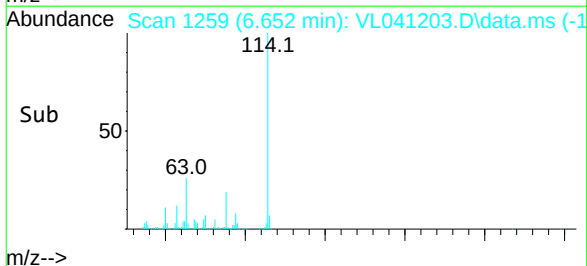
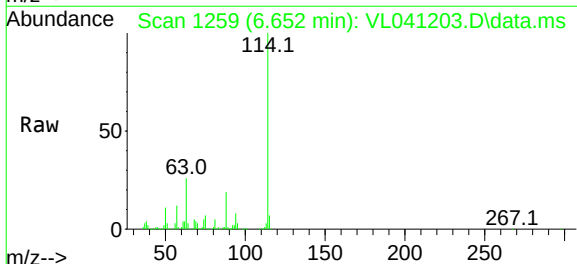
Tgt Ion:114 Resp: 2136230

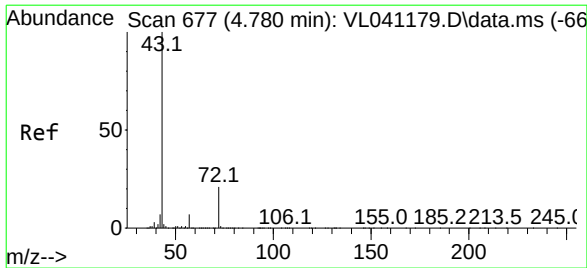
Ion Ratio Lower Upper

114 100

63 26.4 21.8 32.6

88 18.8 15.2 22.8





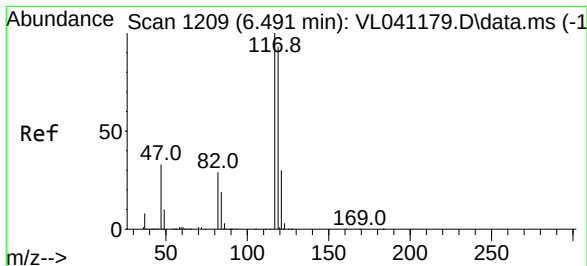
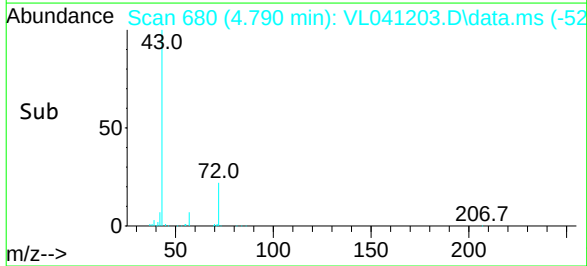
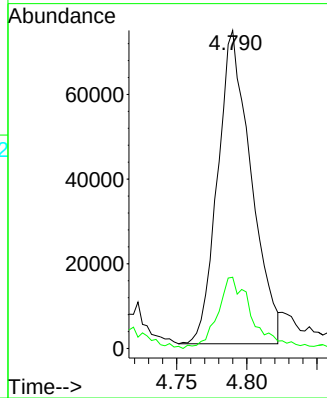
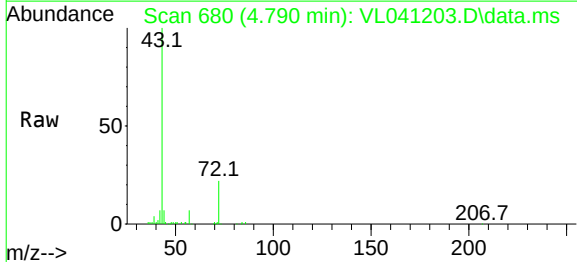
#34
2-Butanone
Concen: 1.128 ppbv
RT: 4.790 min Scan# 68
Delta R.T. 0.007 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02

Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA02-20240425

Tgt Ion: 43 Resp: 122615
Ion Ratio Lower Upper
43 100
72 24.4 17.3 25.9

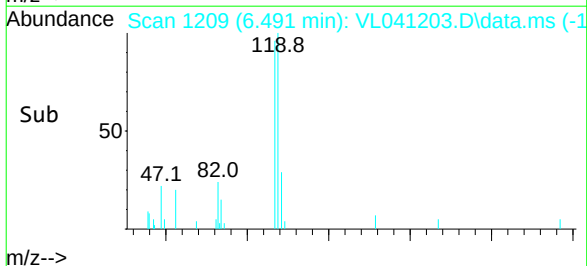
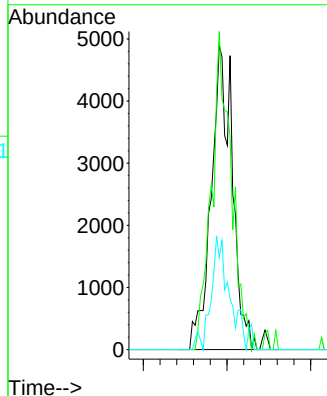
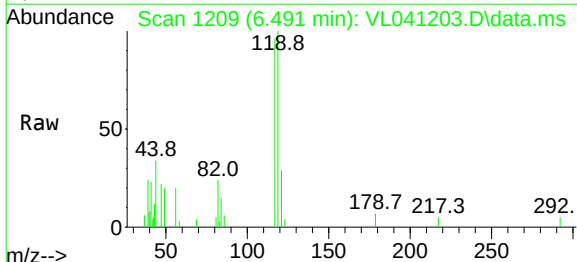
Manual Integrations
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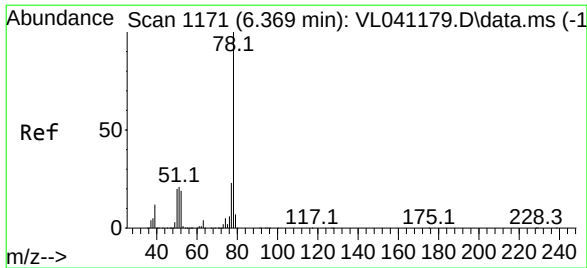
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 6.491 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02

Tgt Ion:117 Resp: 8725
Ion Ratio Lower Upper
117 100
119 104.6 74.3 111.5
121 30.2 23.8 35.8





#36

Benzene

Concen: 0.170 ppbv

RT: 6.365 min Scan# 1171

Delta R.T. -0.003 min

Lab File: VL041203.D

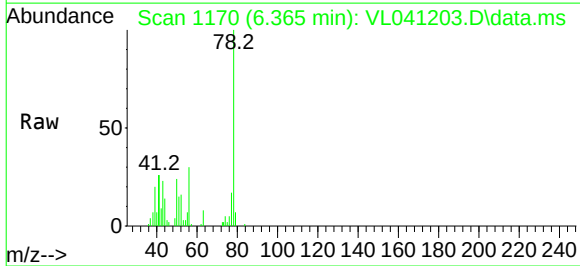
Acq: 2 May 2024 20:02

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA02-20240425

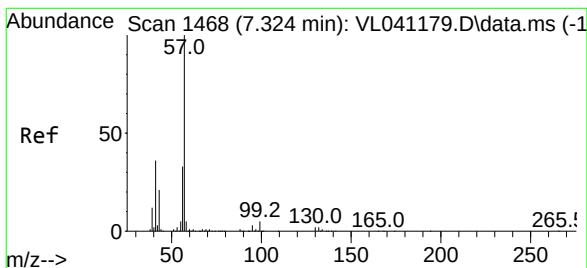
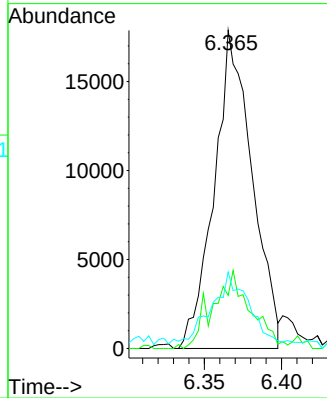
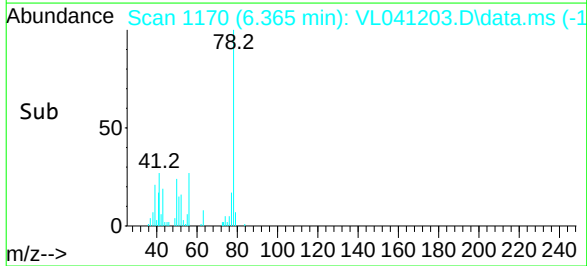


Tgt Ion	Ratio	Lower	Upper
78	100		
77	15.6	18.3	27.5#
50	22.0	15.9	23.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#44

2,2,4-Trimethylpentane

Concen: 0.113 ppbv m

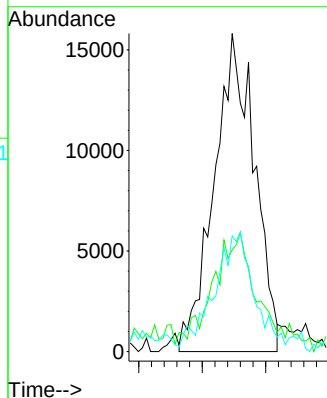
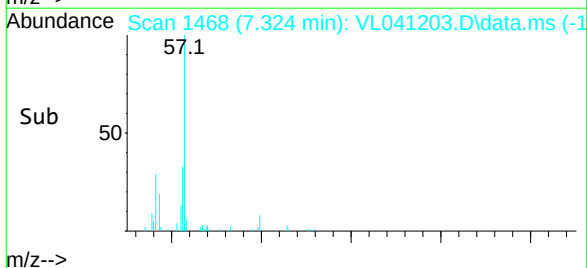
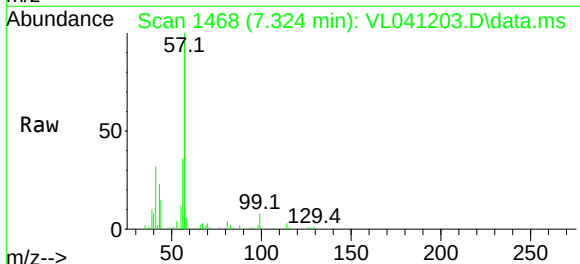
RT: 7.324 min Scan# 1468

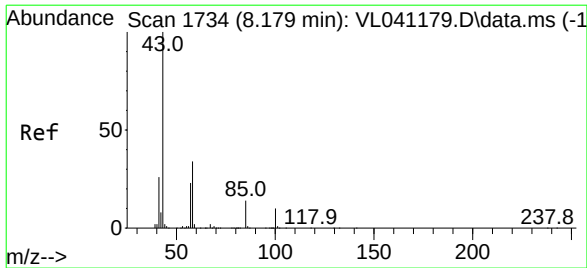
Delta R.T. -0.003 min

Lab File: VL041203.D

Acq: 2 May 2024 20:02

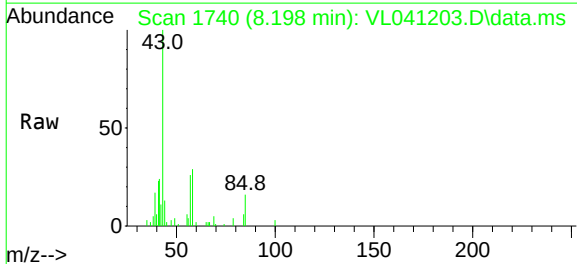
Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	29.5	44.3#
56	0.0	25.3	37.9#





#50
4-Methyl-2-Pentanone
Concen: 0.158 ppbv m
RT: 8.198 min Scan# 1734
Delta R.T. 0.019 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02

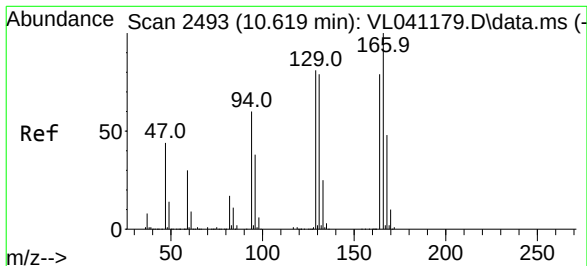
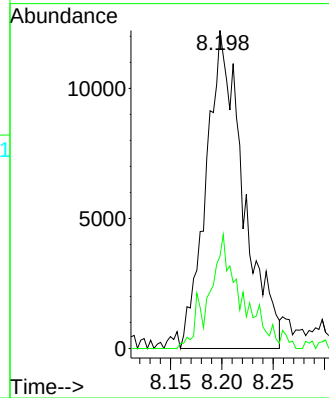
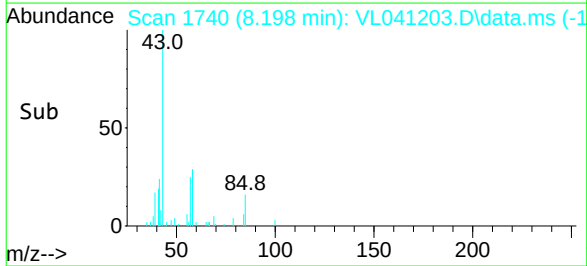
Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA02-20240425



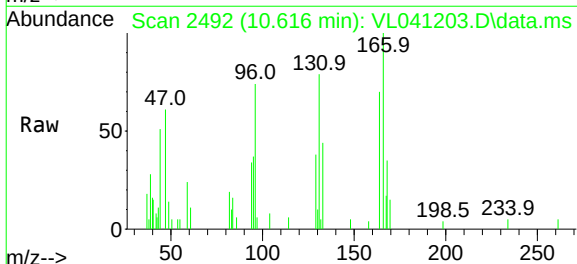
Tgt Ion: 43 Resp: 30756
Ion Ratio Lower Upper
43 100
58 32.0 27.7 41.5

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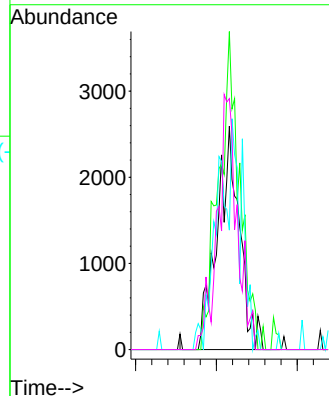
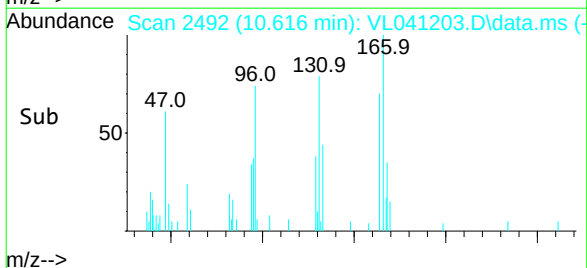
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

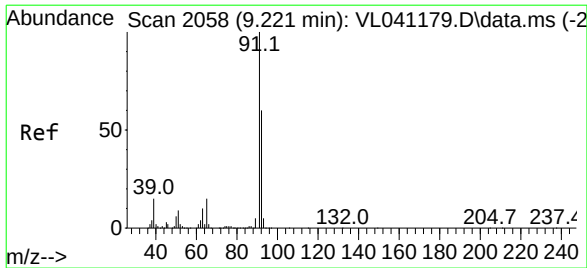


#52
Tetrachloroethene
Concen: 0.079 ppbv m
RT: 10.616 min Scan# 2492
Delta R.T. 0.003 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02



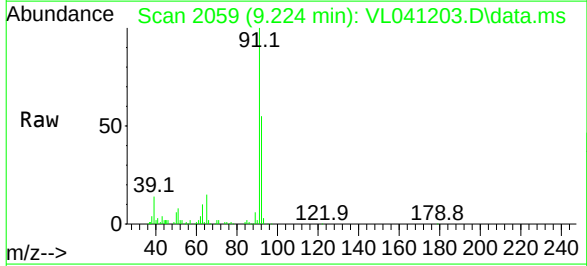
Tgt Ion:164 Resp: 4979
Ion Ratio Lower Upper
164 100
166 142.3 101.1 151.7
129 53.4 81.7 122.5#
131 112.3 80.4 120.6





#53
Toluene
Concen: 0.764 ppbv
RT: 9.224 min Scan# 2058
Delta R.T. 0.003 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02

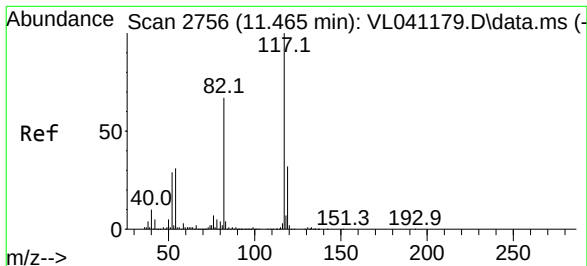
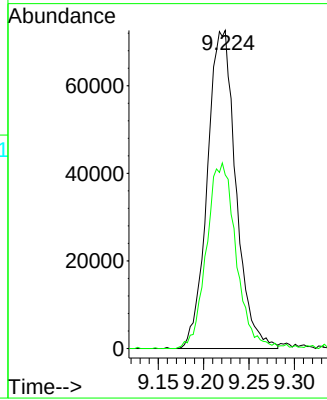
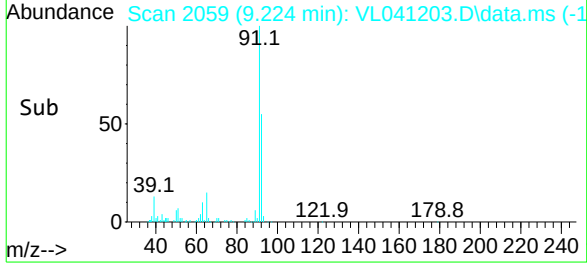
Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA02-20240425



Tgt Ion: 91 Resp: 158765
Ion Ratio Lower Upper
91 100
92 60.7 48.2 72.4

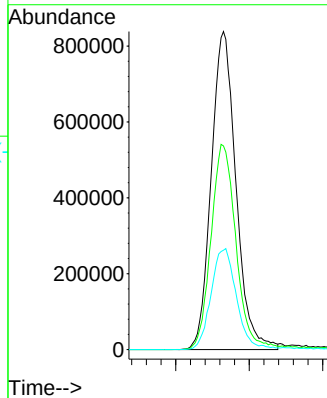
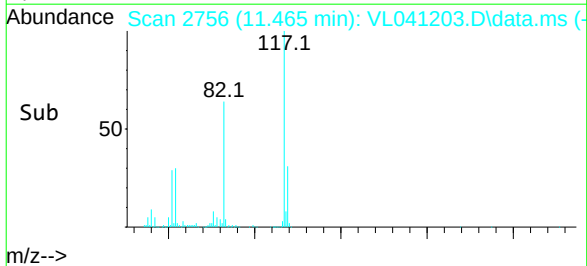
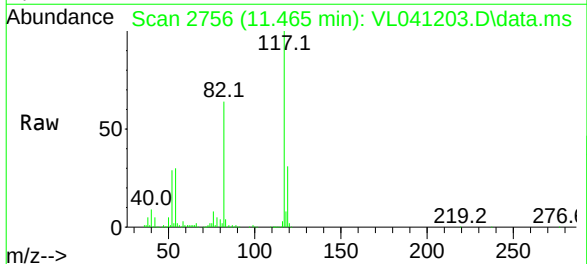
Manual Integrations
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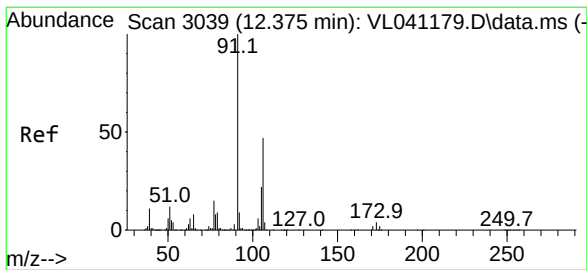
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02

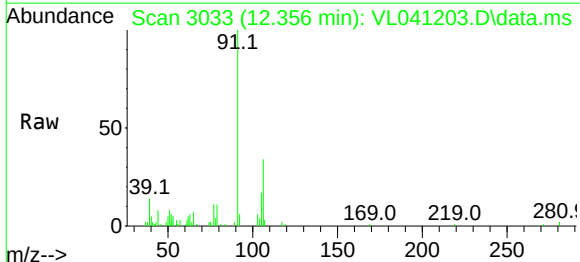
Tgt Ion:117 Resp: 1959875
Ion Ratio Lower Upper
117 100
82 66.9 53.6 80.4
119 33.6 27.2 40.8





#59
m/p-Xylene
Concen: 0.277 ppbv m
RT: 12.356 min Scan# 3033
Delta R.T. -0.016 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02

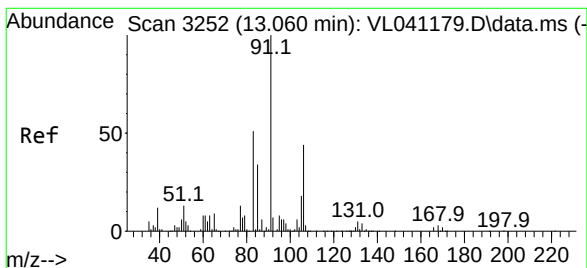
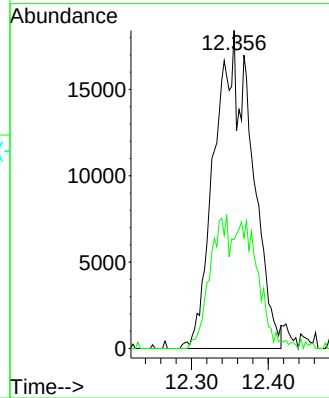
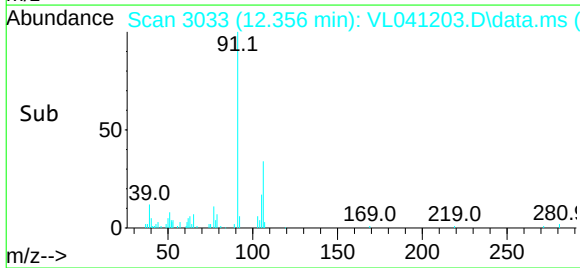
Instrument : MSVOA_L
ClientSampleId : BA-20-IA02-20240425



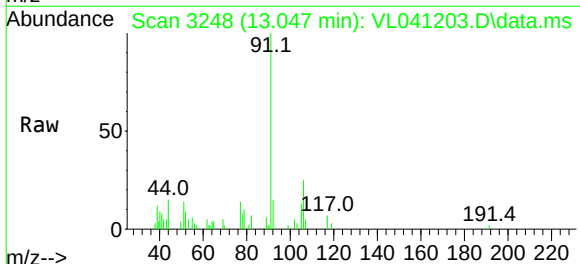
Tgt Ion: 91 Resp: 62485
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#

Manual Integrations
APPROVED

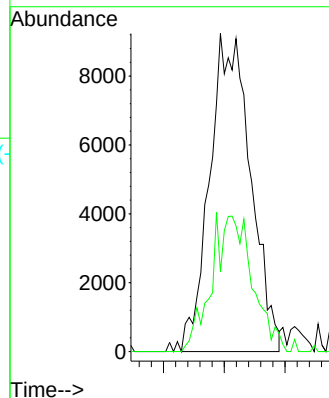
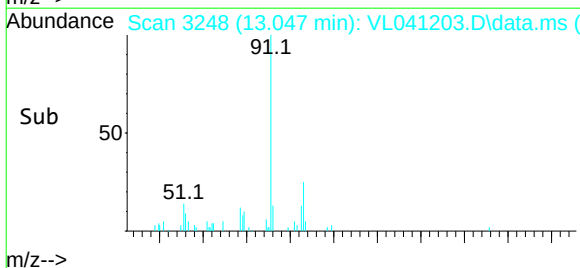
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

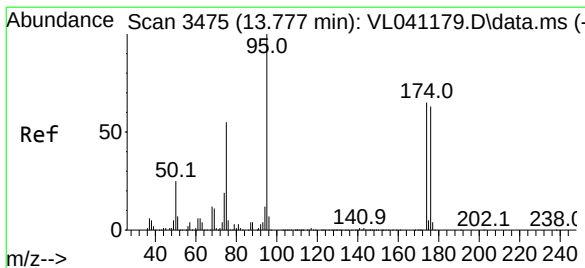


#60
o-Xylene
Concen: 0.102 ppbv m
RT: 13.047 min Scan# 3248
Delta R.T. -0.010 min
Lab File: VL041203.D
Acq: 2 May 2024 20:02



Tgt Ion: 91 Resp: 21506
Ion Ratio Lower Upper
91 100
106 0.0 22.4 67.3#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.886 ppbv

RT: 13.770 min Scan# 34

Delta R.T. -0.003 min

Lab File: VL041203.D

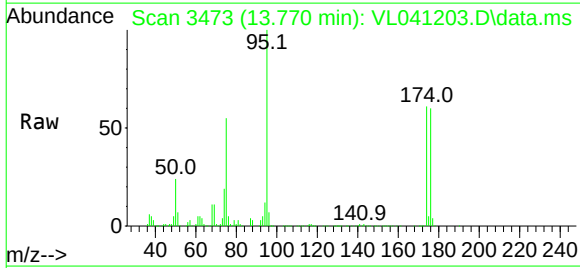
Acq: 2 May 2024 20:02

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA02-20240425



Tgt Ion: 95 Resp: 1462708

Ion Ratio Lower Upper

95 100

174 68.6 53.6 80.4

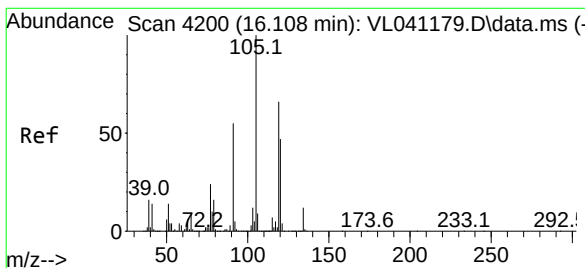
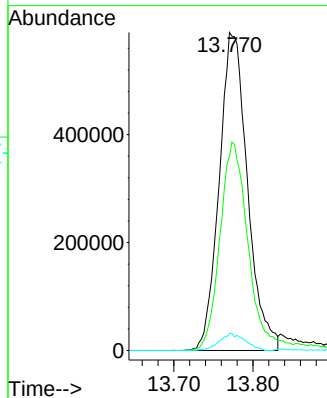
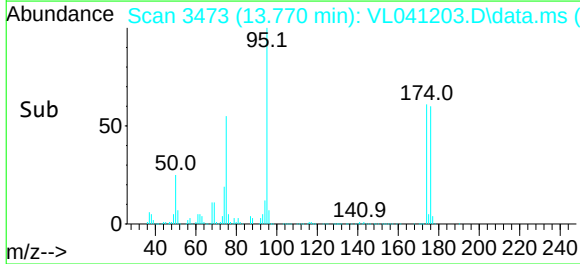
175 4.9 4.2 6.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.173 ppbv m

RT: 16.105 min Scan# 4199

Delta R.T. 0.000 min

Lab File: VL041203.D

Acq: 2 May 2024 20:02

Tgt Ion:105 Resp: 40983

Ion Ratio Lower Upper

105 100

120 42.3 37.8 56.6

91 17.0 44.3 66.5#

77 15.7 19.0 28.4#

