

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
 Data File : VL041204.D
 Acq On : 2 May 2024 20:43
 Operator : SY/MD
 Sample : P2334-08
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-IA03-20240425

Manual Integrations
 APPROVED

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

Quant Time: May 03 03:44:28 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	5.189	49	868272	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2169496	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	1983224	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1528678	10.210	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.100%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	41275	0.351	ppbv	98
3) Chlorodifluoromethane	2.677	51	36456m	0.276	ppbv	
4) Chloromethane	2.816	50	65965	1.275	ppbv #	85
9) Propene	2.700	41	159480	3.090	ppbv	87
11) Trichlorofluoromethane	3.562	101	27317	0.229	ppbv #	81
12) 1,1,2-Trichlorotrifluo...	4.063	101	6719m	0.076	ppbv	
13) Ethanol	3.237	45	1606518	138.867	ppbv	98
15) Acetone	3.462	43	3278639	31.995	ppbv	99
20) Methylene Chloride	3.935	84	282946	7.940	ppbv	97
26) Hexane	5.211	57	230086m	2.521	ppbv	
34) 2-Butanone	4.784	43	97640	0.884	ppbv	98
35) Carbon Tetrachloride	6.491	117	8231m	0.068	ppbv	
36) Benzene	6.369	78	71496	0.393	ppbv	95
52) Tetrachloroethene	10.610	164	1992m	0.031	ppbv	
53) Toluene	9.214	91	163060m	0.772	ppbv	
58) Ethyl Benzene	12.082	91	26540m	0.098	ppbv	
59) m/p-Xylene	12.343	91	67330m	0.295	ppbv	
60) o-Xylene	13.053	91	19652m	0.092	ppbv	
61) Styrene	12.899	104	14348m	0.127	ppbv	
74) 1,2,4-Trimethylbenzene	16.101	105	17161m	0.072	ppbv	

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

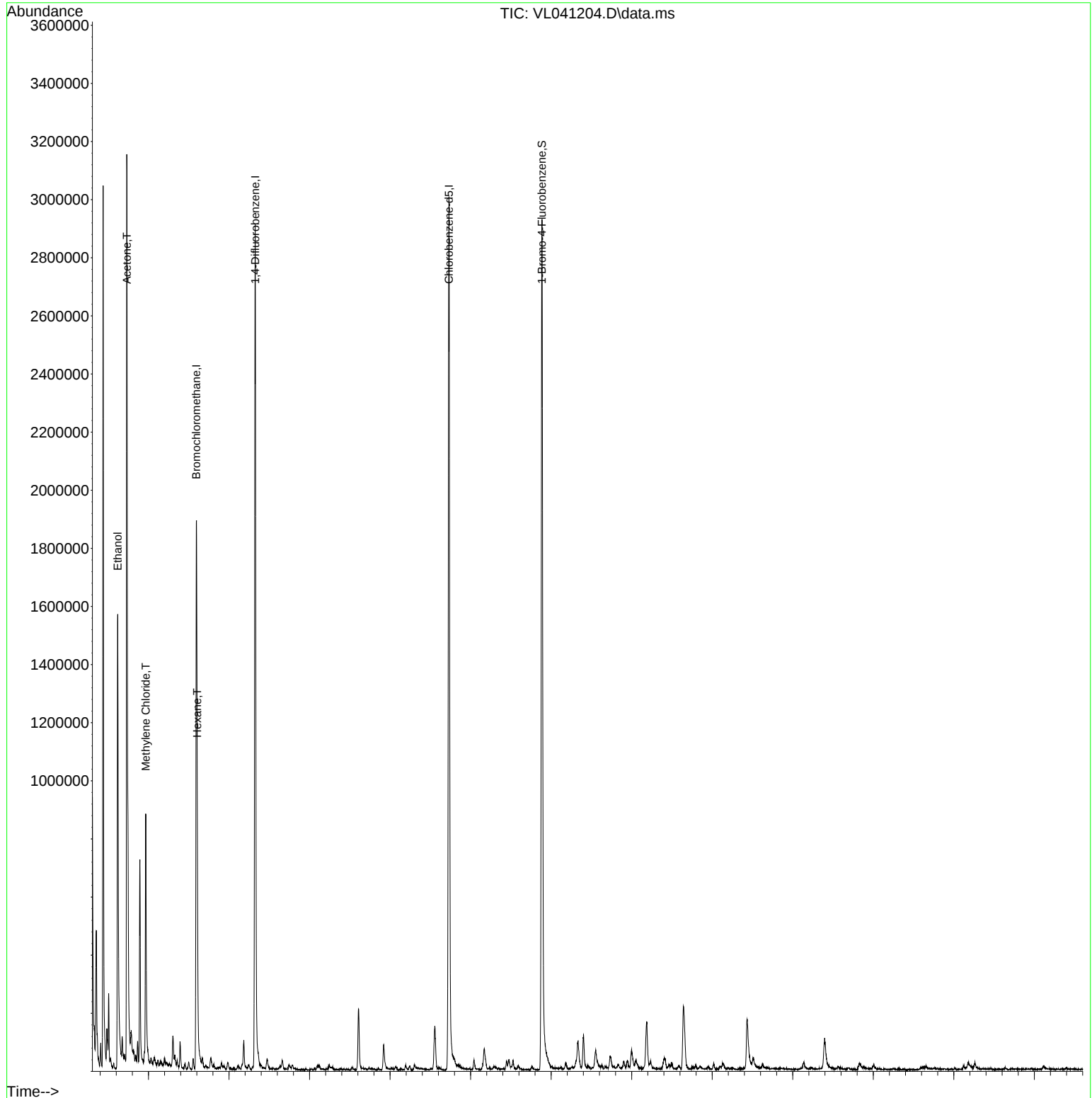
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
Data File : VL041204.D
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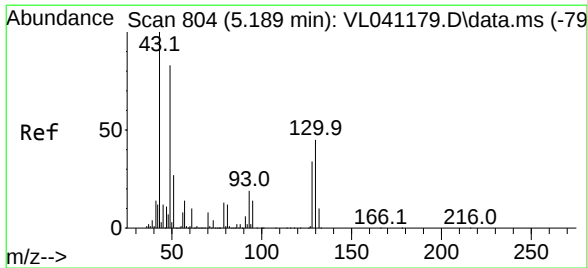
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: May 03 03:44:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
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QLast Update : Fri May 03 03:34:47 2024
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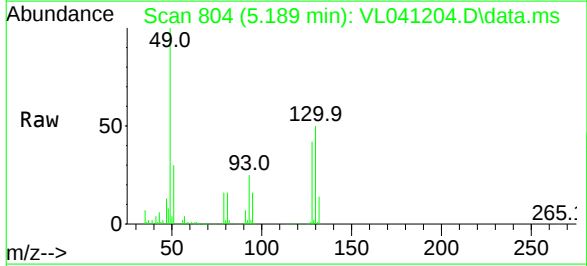
Reviewed By : Semsettin Yesilyurt 05/06/2024
Supervised By : Mahesh Dadoda 05/07/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.003 min
Lab File: VL041204.D
Acq: 2 May 2024 20:43

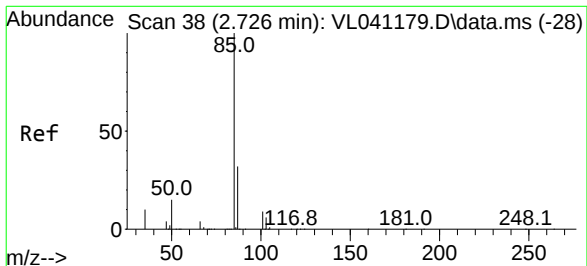
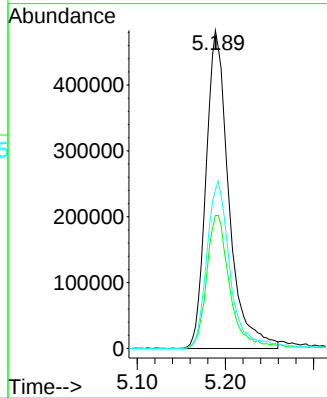
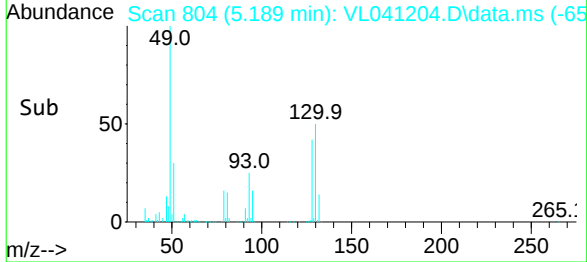
Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA03-20240425



Tgt Ion: 49 Resp: 868272
Ion Ratio Lower Upper
49 100
128 43.4 21.5 64.5
130 54.6 27.2 81.6

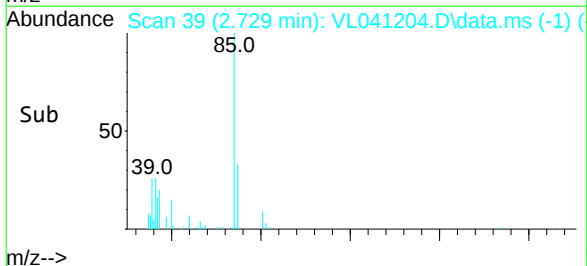
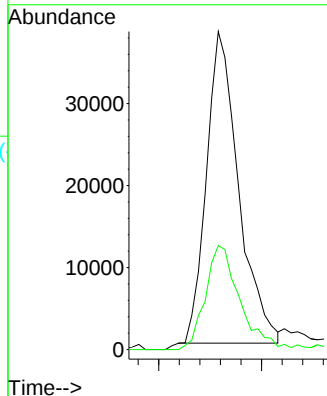
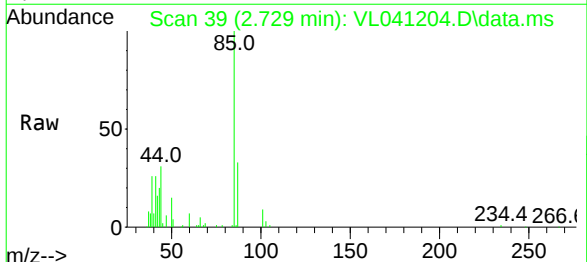
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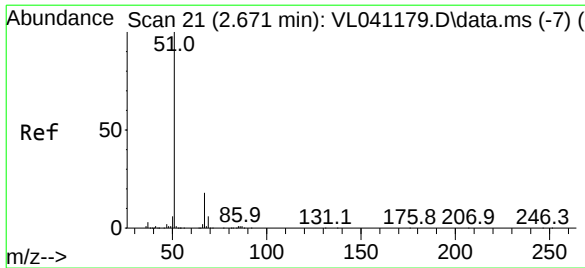
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#2
Dichlorodifluoromethane
Concen: 0.351 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.000 min
Lab File: VL041204.D
Acq: 2 May 2024 20:43

Tgt Ion: 85 Resp: 41275
Ion Ratio Lower Upper
85 100
87 33.4 25.7 38.5





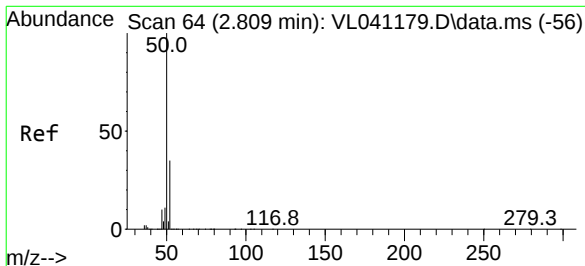
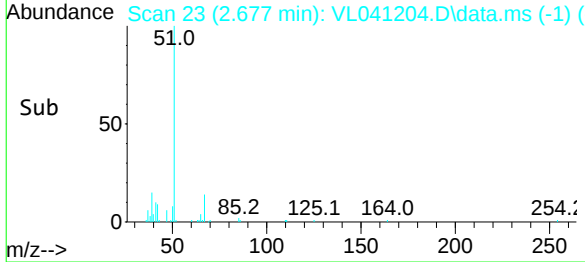
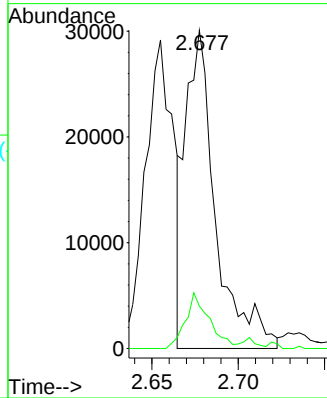
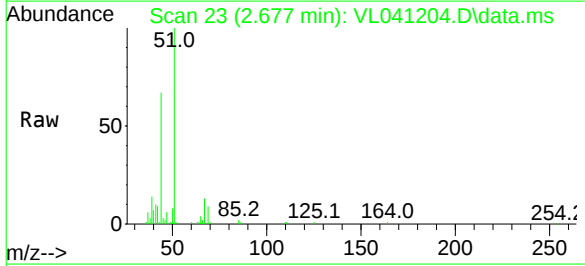
#3
Chlorodifluoromethane
Concen: 0.276 ppbv m
RT: 2.677 min Scan# 23
Delta R.T. 0.003 min
Lab File: VL041204.D
Acq: 2 May 2024 20:43

Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA03-20240425

Tgt Ion: 51 Resp: 36456
Ion Ratio Lower Upper
51 100
67 16.0 14.0 21.0

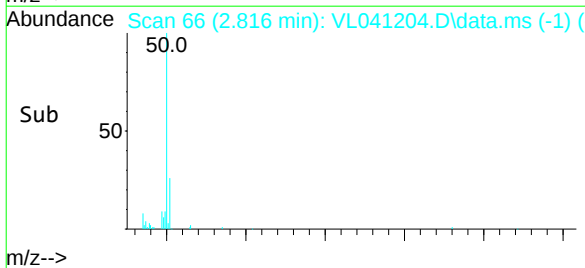
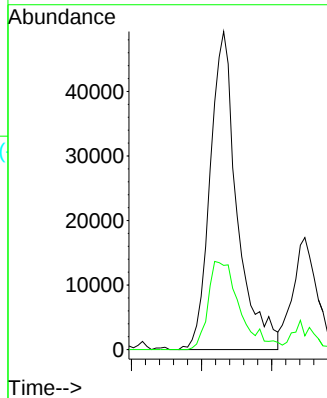
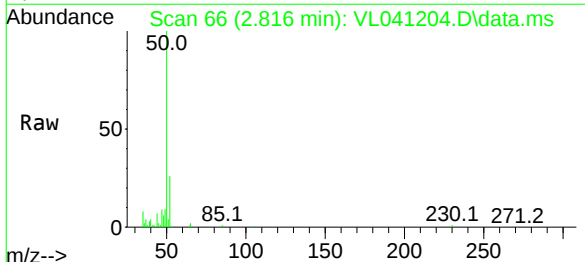
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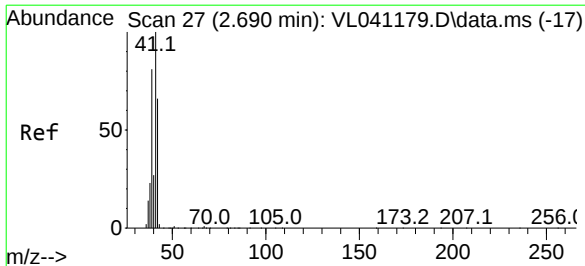
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#4
Chloromethane
Concen: 1.275 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL041204.D
Acq: 2 May 2024 20:43

Tgt Ion: 50 Resp: 65965
Ion Ratio Lower Upper
50 100
52 26.5 28.3 42.5#





#9

Propene

Concen: 3.090 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.007 min

Lab File: VL041204.D

Acq: 2 May 2024 20:43

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA03-20240425

Tgt Ion: 41 Resp: 159480

Ion Ratio Lower Upper

41 100

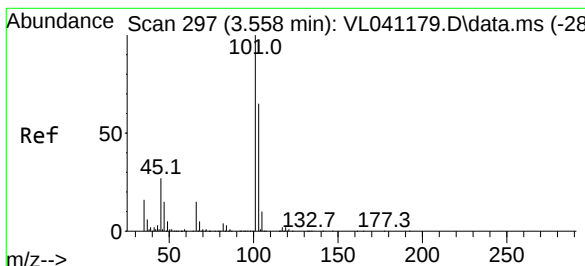
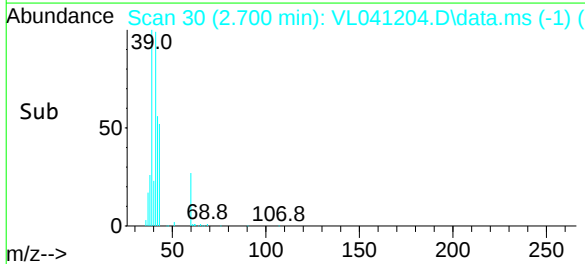
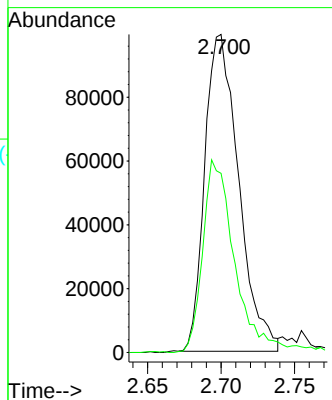
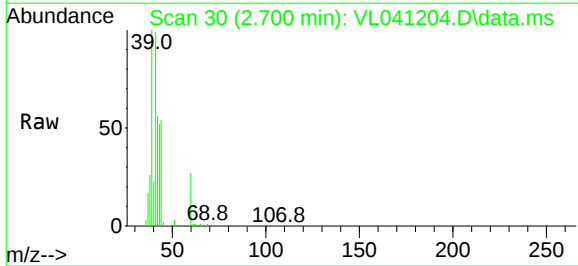
42 58.6 55.3 82.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#11

Trichlorofluoromethane

Concen: 0.229 ppbv

RT: 3.562 min Scan# 298

Delta R.T. 0.003 min

Lab File: VL041204.D

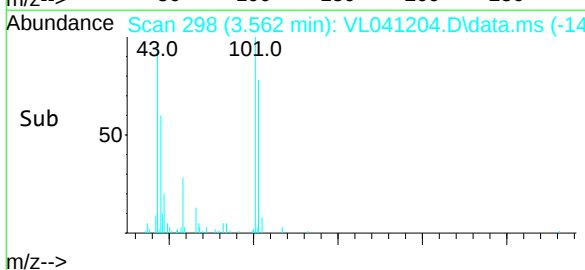
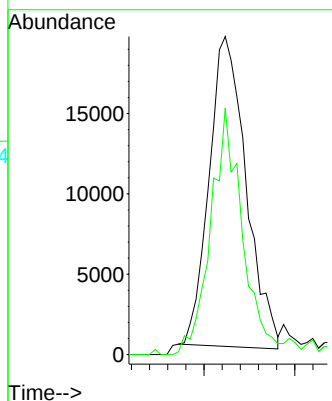
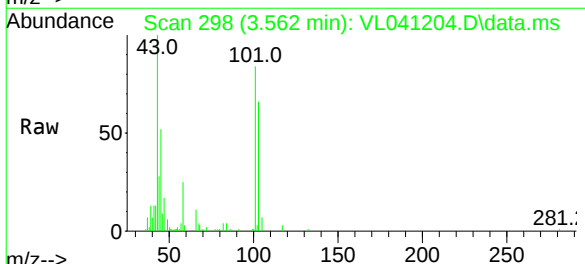
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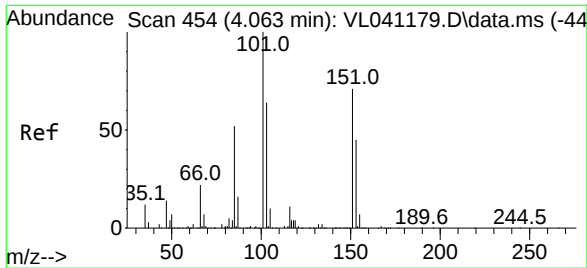
Tgt Ion:101 Resp: 27317

Ion Ratio Lower Upper

101 100

103 79.2 51.6 77.4





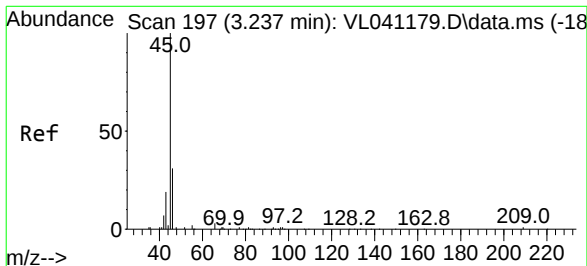
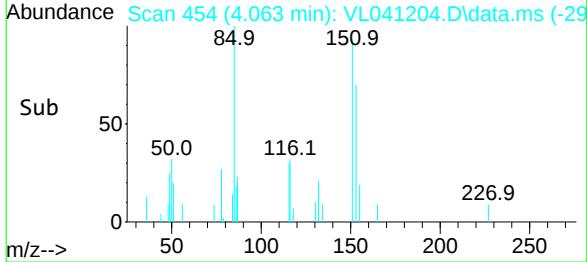
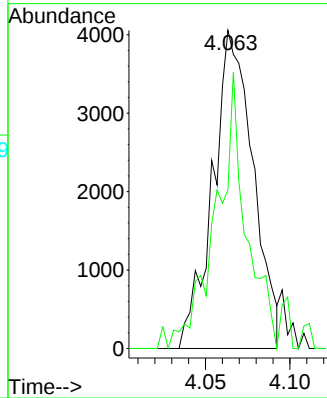
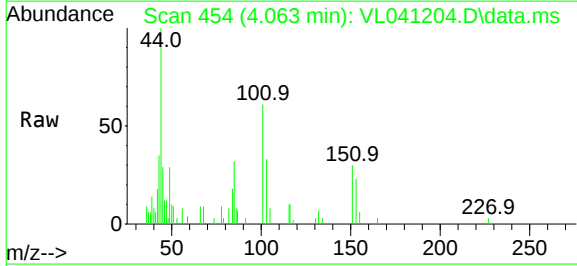
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.076 ppbv m
RT: 4.063 min Scan# 45
Delta R.T. 0.000 min
Lab File: VL041204.D
Acq: 2 May 2024 20:43

Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA03-20240425

Tgt Ion: 101 Resp: 6719
Ion Ratio Lower Upper
101 100
151 69.1 56.8 85.2

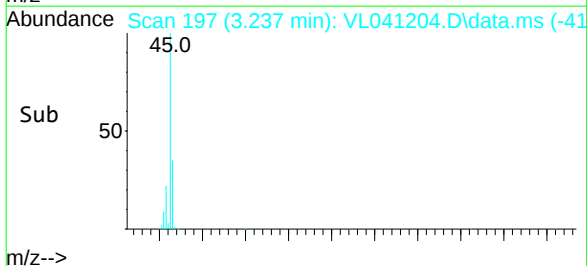
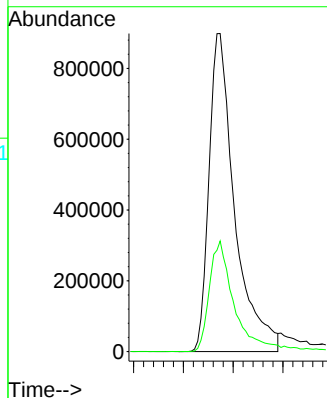
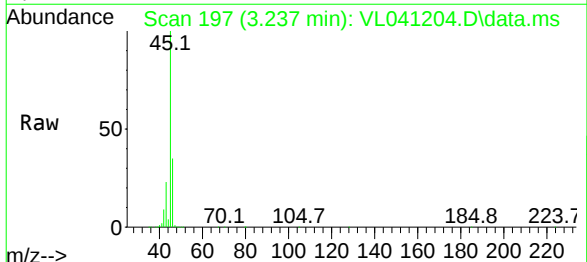
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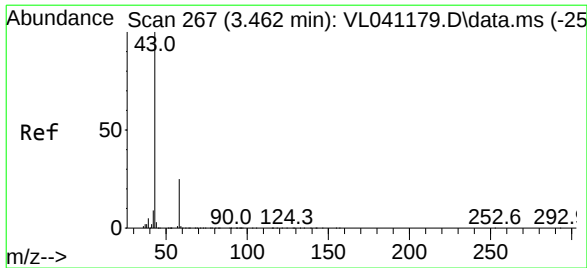
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#13
Ethanol
Concen: 138.867 ppbv
RT: 3.237 min Scan# 197
Delta R.T. 0.000 min
Lab File: VL041204.D
Acq: 2 May 2024 20:43

Tgt Ion: 45 Resp: 1606518
Ion Ratio Lower Upper
45 100
46 35.7 14.8 59.0





#15

Acetone

Concen: 31.995 ppbv

RT: 3.462 min Scan# 267

Delta R.T. -0.003 min

Lab File: VL041204.D

Acq: 2 May 2024 20:43

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA03-20240425

Tgt Ion: 43 Resp: 3278639

Ion Ratio Lower Upper

43 100

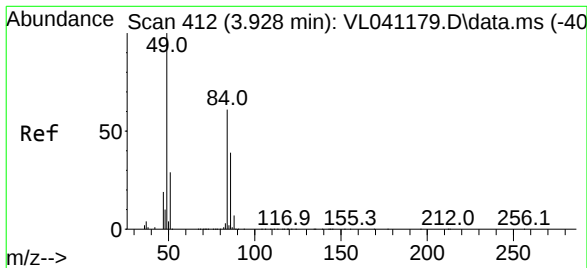
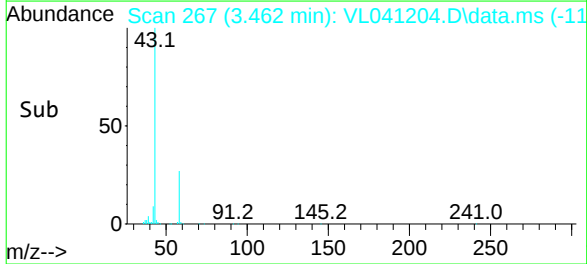
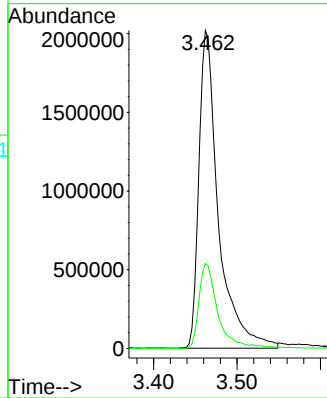
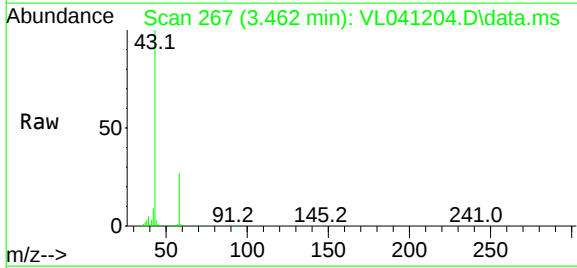
58 26.4 21.4 32.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#20

Methylene Chloride

Concen: 7.940 ppbv

RT: 3.935 min Scan# 414

Delta R.T. 0.003 min

Lab File: VL041204.D

Acq: 2 May 2024 20:43

Tgt Ion: 84 Resp: 282946

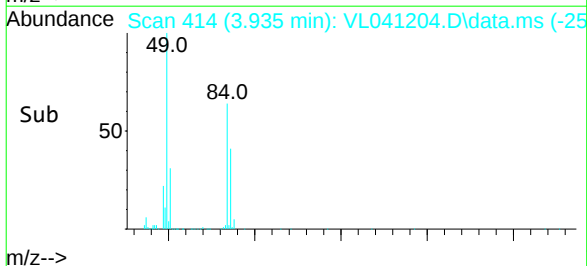
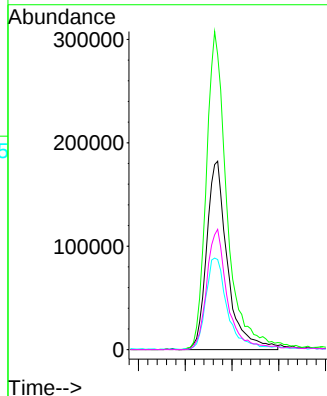
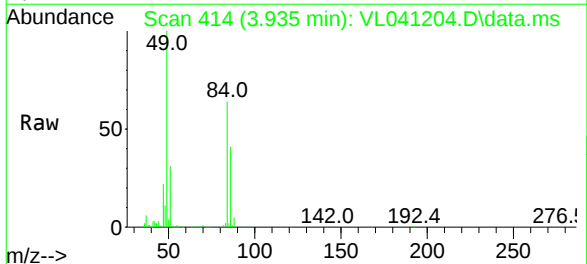
Ion Ratio Lower Upper

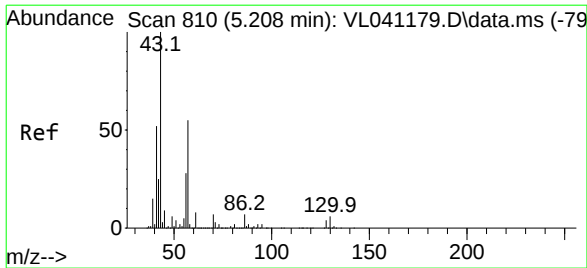
84 100

49 156.3 130.4 195.6

51 47.6 38.0 57.0

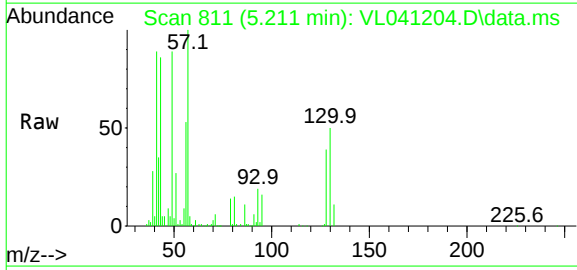
86 63.8 50.3 75.5





#26
Hexane
Concen: 2.521 ppbv m
RT: 5.211 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL041204.D
Acq: 2 May 2024 20:43

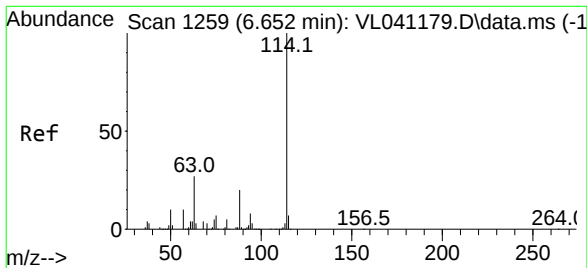
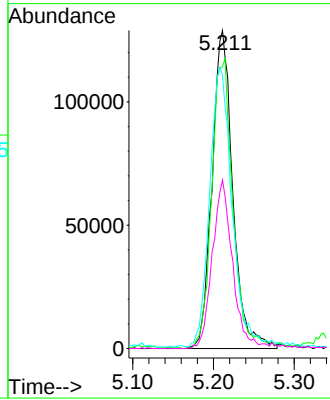
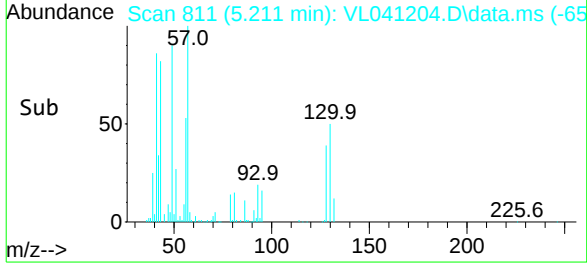
Instrument : MSVOA_L
ClientSampleId : BA-20-IA03-20240425



Tgt Ion: 57 Resp: 230086
Ion Ratio Lower Upper
57 100
41 0.0 75.8 113.8#
43 0.0 187.0 280.4#
56 0.0 42.7 64.1#

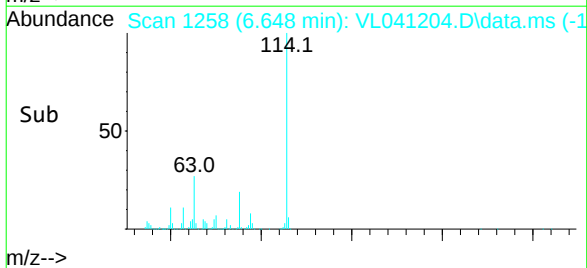
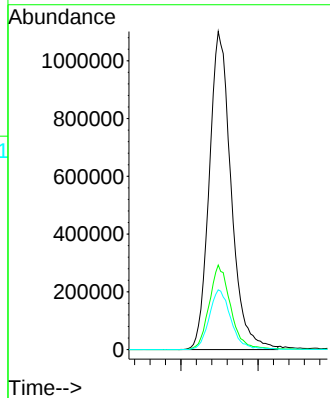
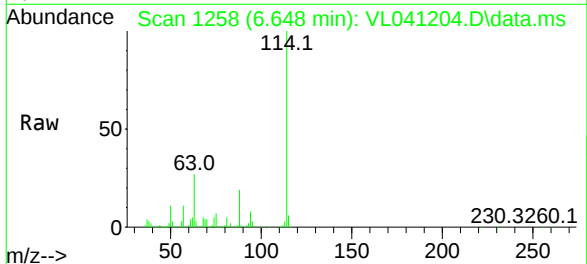
Manual Integrations
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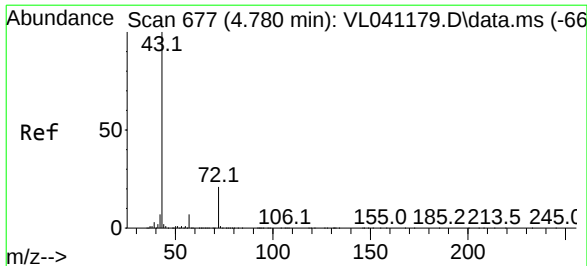
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VL041204.D
Acq: 2 May 2024 20:43

Tgt Ion:114 Resp: 2169496
Ion Ratio Lower Upper
114 100
63 26.2 21.8 32.6
88 18.7 15.2 22.8





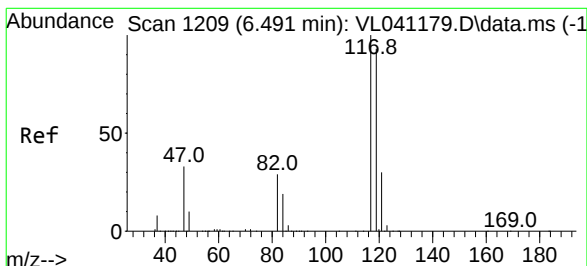
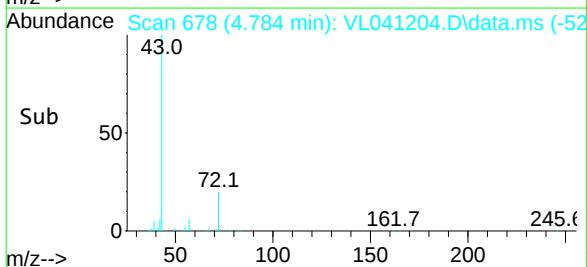
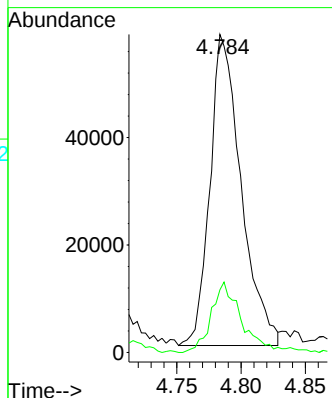
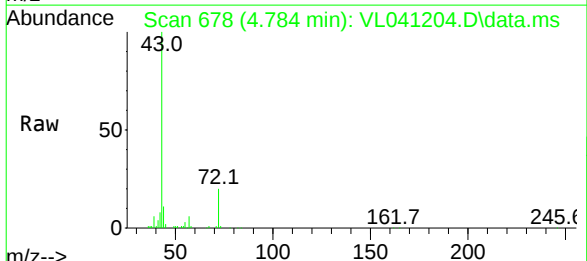
#34
2-Butanone
Concen: 0.884 ppbv
RT: 4.784 min Scan# 677
Delta R.T. 0.000 min
Lab File: VL041204.D
Acq: 2 May 2024 20:43

Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA03-20240425

Tgt Ion: 43 Resp: 97640
Ion Ratio Lower Upper
43 100
72 22.5 17.3 25.9

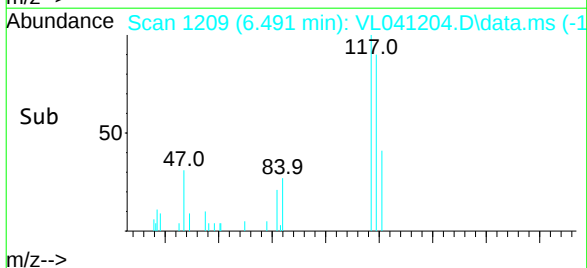
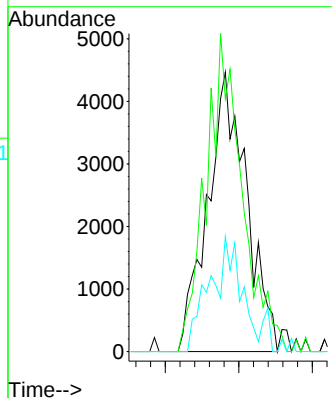
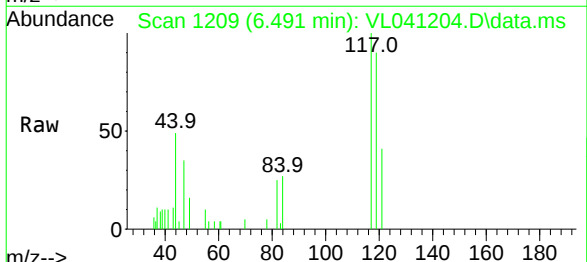
Manual Integrations
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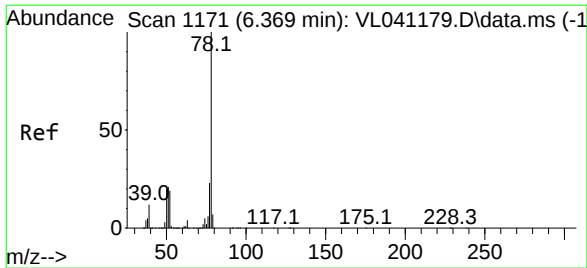
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 6.491 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VL041204.D
Acq: 2 May 2024 20:43

Tgt Ion:117 Resp: 8231
Ion Ratio Lower Upper
117 100
119 90.4 74.3 111.5
121 41.2 23.8 35.8#





#36

Benzene

Concen: 0.393 ppbv

RT: 6.369 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VL041204.D

Acq: 2 May 2024 20:43

Instrument :

MSVOA_L

ClientSampleId :

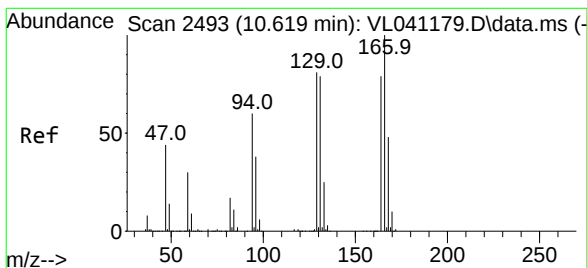
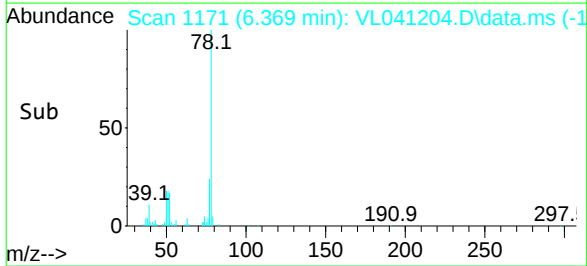
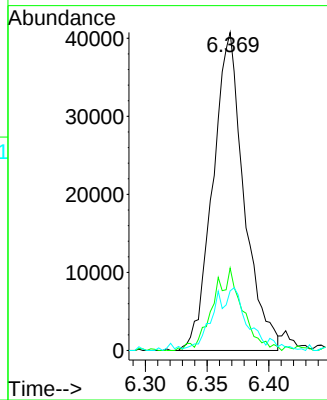
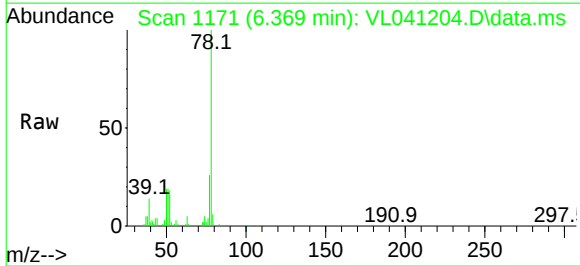
BA-20-IA03-20240425

Tgt Ion:	78	Resp:	71496
Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.3	27.5
50	17.6	15.9	23.9

Manual Integrations

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



#52

Tetrachloroethene

Concen: 0.031 ppbv m

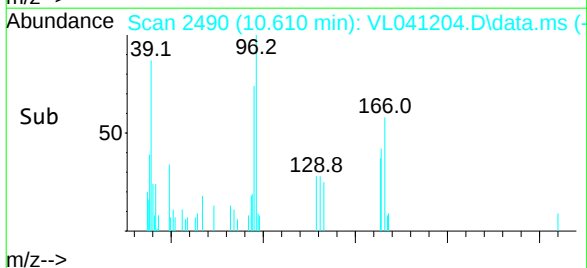
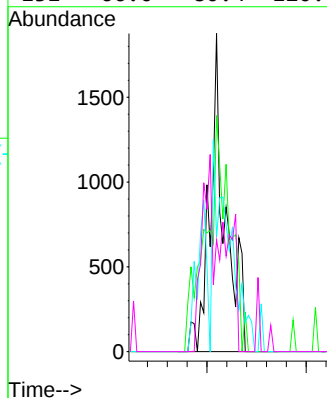
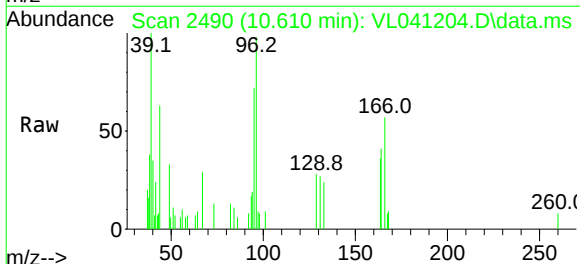
RT: 10.610 min Scan# 2490

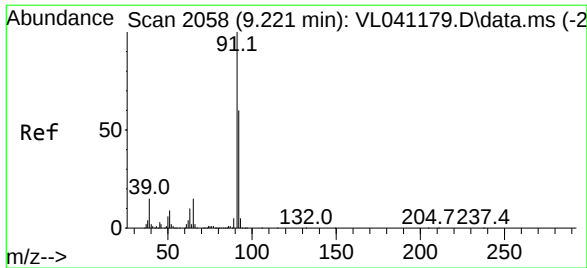
Delta R.T. -0.003 min

Lab File: VL041204.D

Acq: 2 May 2024 20:43

Tgt Ion:	164	Resp:	1992
Ion	Ratio	Lower	Upper
164	100		
166	139.5	101.1	151.7
129	67.8	81.7	122.5#
131	66.0	80.4	120.6#





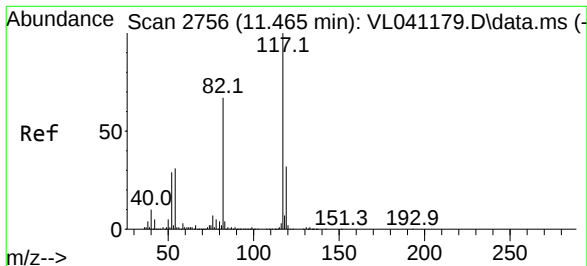
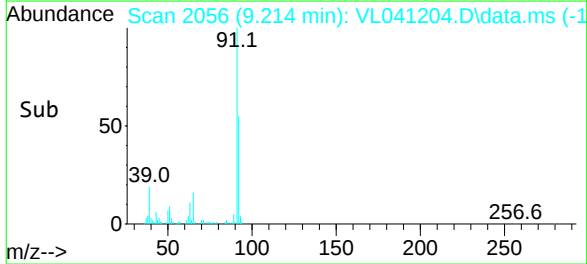
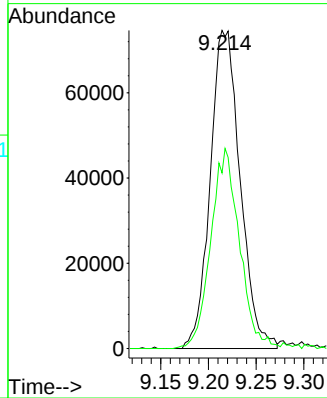
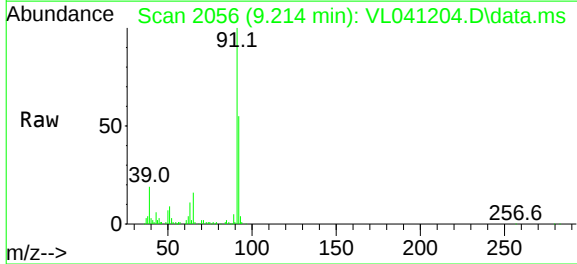
#53
Toluene
Concen: 0.772 ppbv m
RT: 9.214 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VL041204.D
Acq: 2 May 2024 20:43

Instrument : MSVOA_L
ClientSampleId : BA-20-IA03-20240425

Tgt Ion: 91 Resp: 163060
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4

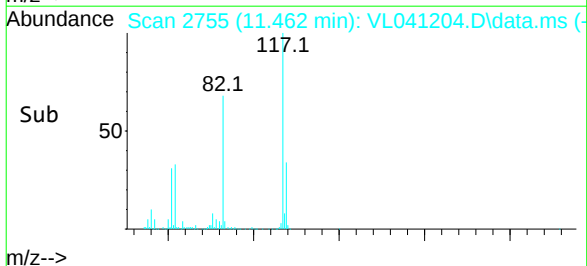
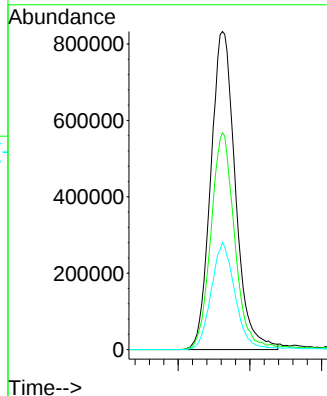
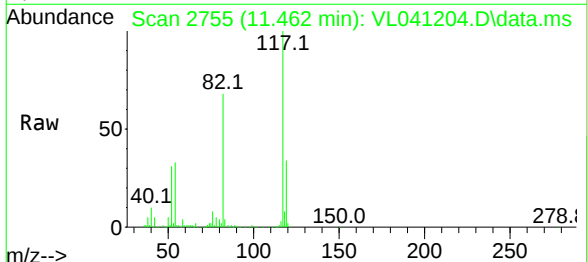
Manual Integrations
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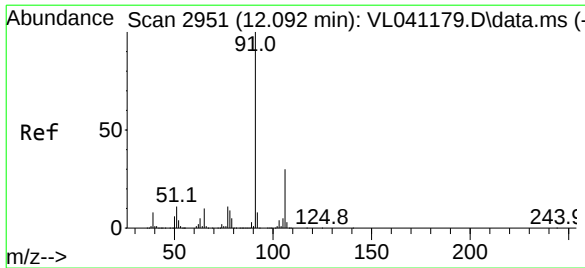
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. -0.003 min
Lab File: VL041204.D
Acq: 2 May 2024 20:43

Tgt Ion:117 Resp: 1983224
Ion Ratio Lower Upper
117 100
82 67.4 53.6 80.4
119 33.2 27.2 40.8





#58

Ethyl Benzene

Concen: 0.098 ppbv m

RT: 12.082 min Scan# 29

Delta R.T. -0.003 min

Lab File: VL041204.D

Acq: 2 May 2024 20:43

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA03-20240425

Tgt Ion: 91 Resp: 26540

Ion Ratio Lower Upper

91 100

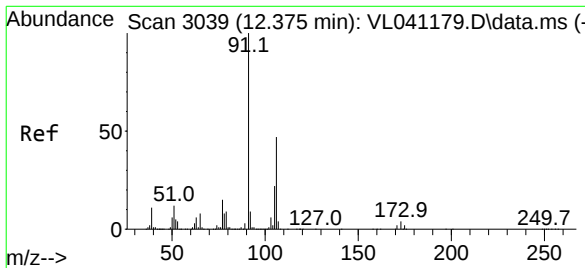
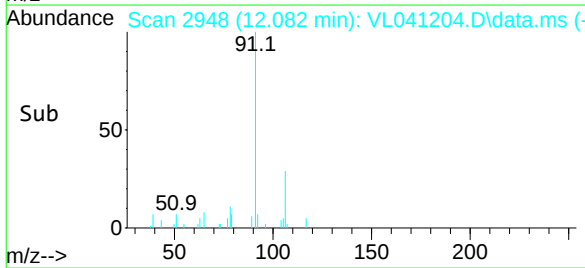
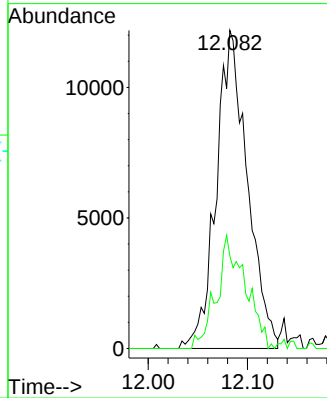
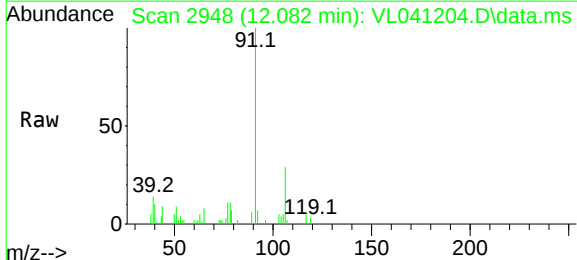
106 29.1 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#59

m/p-Xylene

Concen: 0.295 ppbv m

RT: 12.343 min Scan# 3029

Delta R.T. -0.029 min

Lab File: VL041204.D

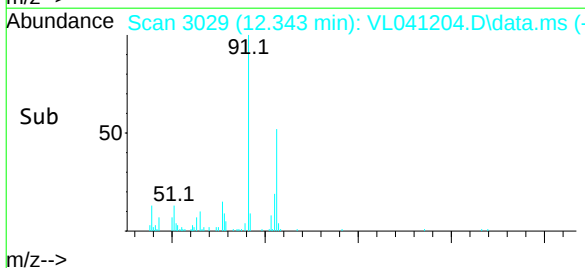
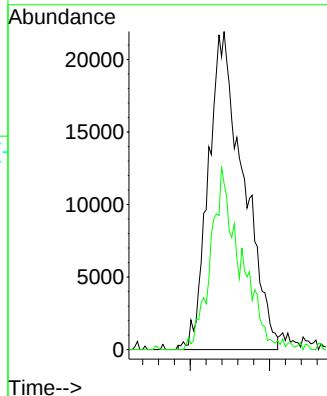
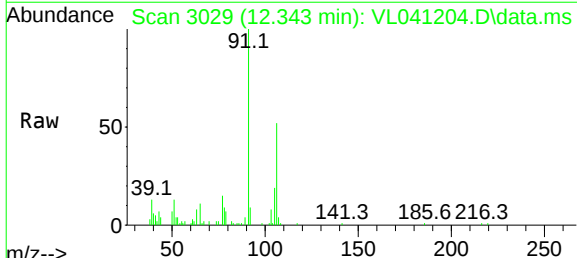
Acq: 2 May 2024 20:43

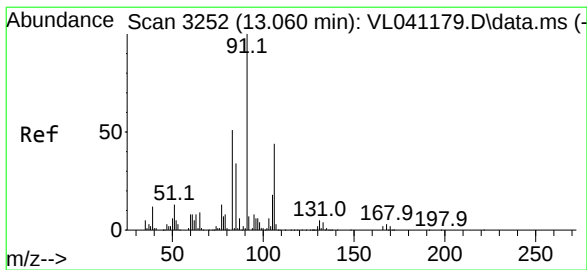
Tgt Ion: 91 Resp: 67330

Ion Ratio Lower Upper

91 100

106 0.0 35.7 53.5#





#60

o-Xylene

Concen: 0.092 ppbv m

RT: 13.053 min Scan# 3252

Delta R.T. -0.003 min

Lab File: VL041204.D

Acq: 2 May 2024 20:43

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA03-20240425

Tgt Ion: 91 Resp: 19652

Ion Ratio Lower Upper

91 100

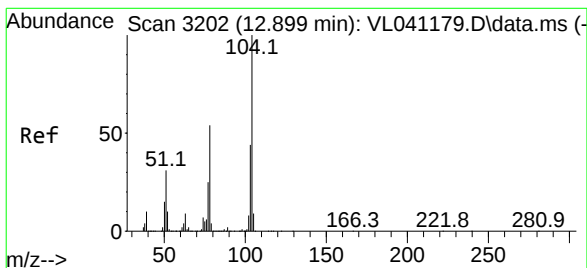
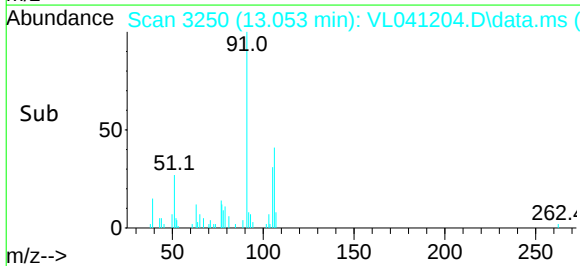
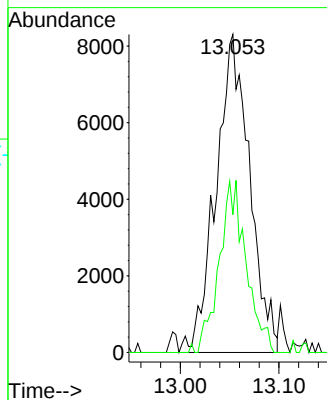
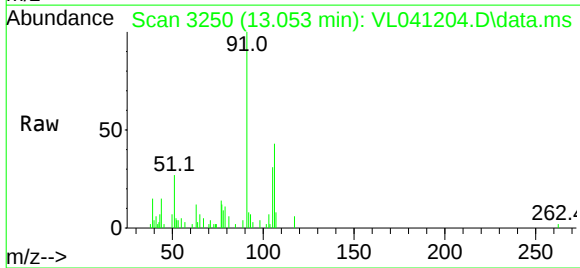
106 43.4 22.4 67.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#61

Styrene

Concen: 0.127 ppbv m

RT: 12.899 min Scan# 3202

Delta R.T. 0.003 min

Lab File: VL041204.D

Acq: 2 May 2024 20:43

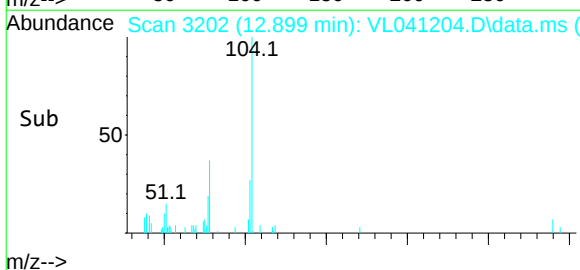
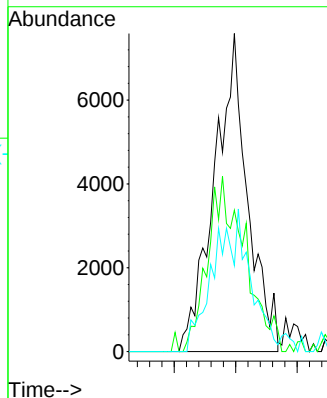
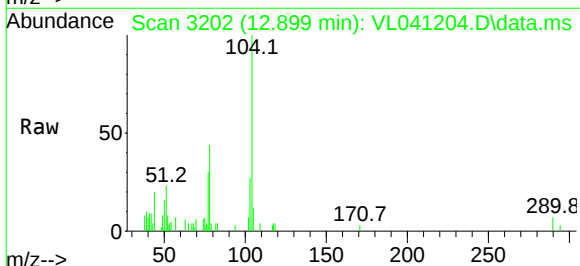
Tgt Ion:104 Resp: 14348

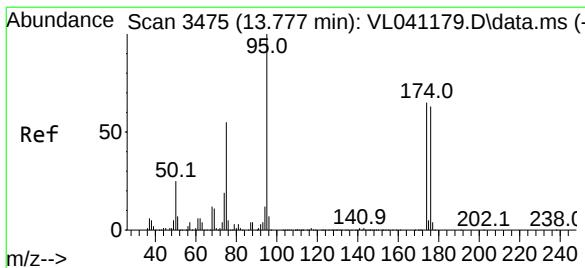
Ion Ratio Lower Upper

104 100

78 62.8 42.6 63.8

103 0.0 38.4 57.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.210 ppbv

RT: 13.770 min Scan# 34

Delta R.T. -0.003 min

Lab File: VL041204.D

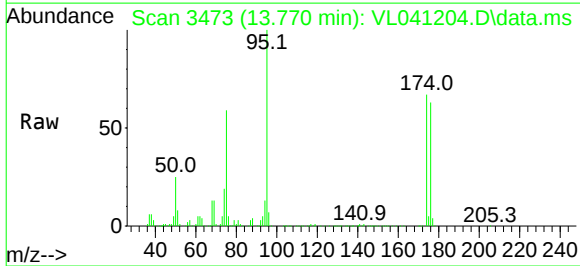
Acq: 2 May 2024 20:43

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA03-20240425



Tgt Ion: 95 Resp: 1528678

Ion Ratio Lower Upper

95 100

174 67.6 53.6 80.4

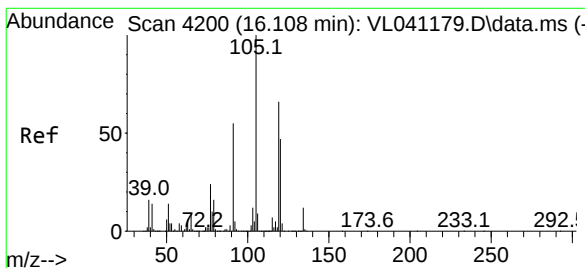
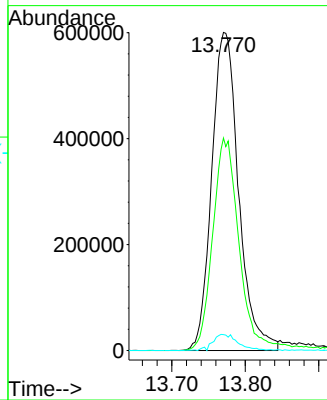
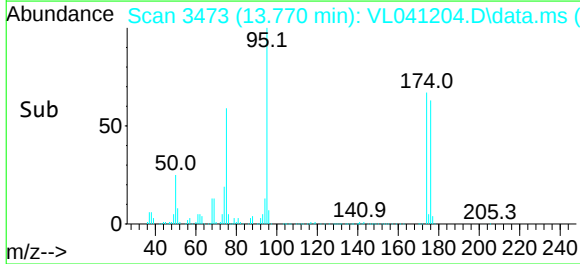
175 4.9 4.2 6.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.072 ppbv m

RT: 16.101 min Scan# 4198

Delta R.T. -0.003 min

Lab File: VL041204.D

Acq: 2 May 2024 20:43

Tgt Ion:105 Resp: 17161

Ion Ratio Lower Upper

105 100

120 32.2 37.8 56.6#

91 10.6 44.3 66.5#

77 22.9 19.0 28.4

