

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
 Data File : VL040423.D
 Acq On : 12 May 2023 18:10
 Operator : SY/MD
 Sample : 02785-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023
 Supervised By :Mahesh Dadoda 05/16/2023

Quant Time: May 15 00:43:29 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1048383	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2542460	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2169674	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1721542	9.595	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	58449m	0.309	ppbv	
3) Chlorodifluoromethane	2.658	51	50926m	0.372	ppbv	
4) Chloromethane	2.793	50	36476	0.421	ppbv	92
9) Propene	2.687	41	79384m	1.467	ppbv	
10) Heptane	7.571	43	24419m	0.199	ppbv	
11) Trichlorofluoromethane	3.552	101	40413	0.211	ppbv	97
13) Ethanol	3.221	45	334589	74.055	ppbv	98
15) Acetone	3.452	43	787354m	5.302	ppbv	
19) Isopropyl Alcohol	3.562	45	876942	12.943	ppbv #	98
20) Methylene Chloride	3.919	84	1510476	25.479	ppbv	97
26) Hexane	5.205	57	1252166	11.887	ppbv #	37
30) Cyclohexane	6.600	84	15235m	0.187	ppbv	
34) 2-Butanone	4.780	43	73415	0.536	ppbv	94
35) Carbon Tetrachloride	6.484	117	11348m	0.063	ppbv	
36) Benzene	6.362	78	60889	0.294	ppbv	97
44) 2,2,4-Trimethylpentane	7.320	57	83326m	0.240	ppbv	
52) Tetrachloroethene	10.616	164	3283m	0.051	ppbv	
53) Toluene	9.221	91	130979	0.596	ppbv	99
59) m/p-Xylene	12.346	91	57115m	0.233	ppbv	
74) 1,2,4-Trimethylbenzene	16.108	105	28043m	0.102	ppbv	

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

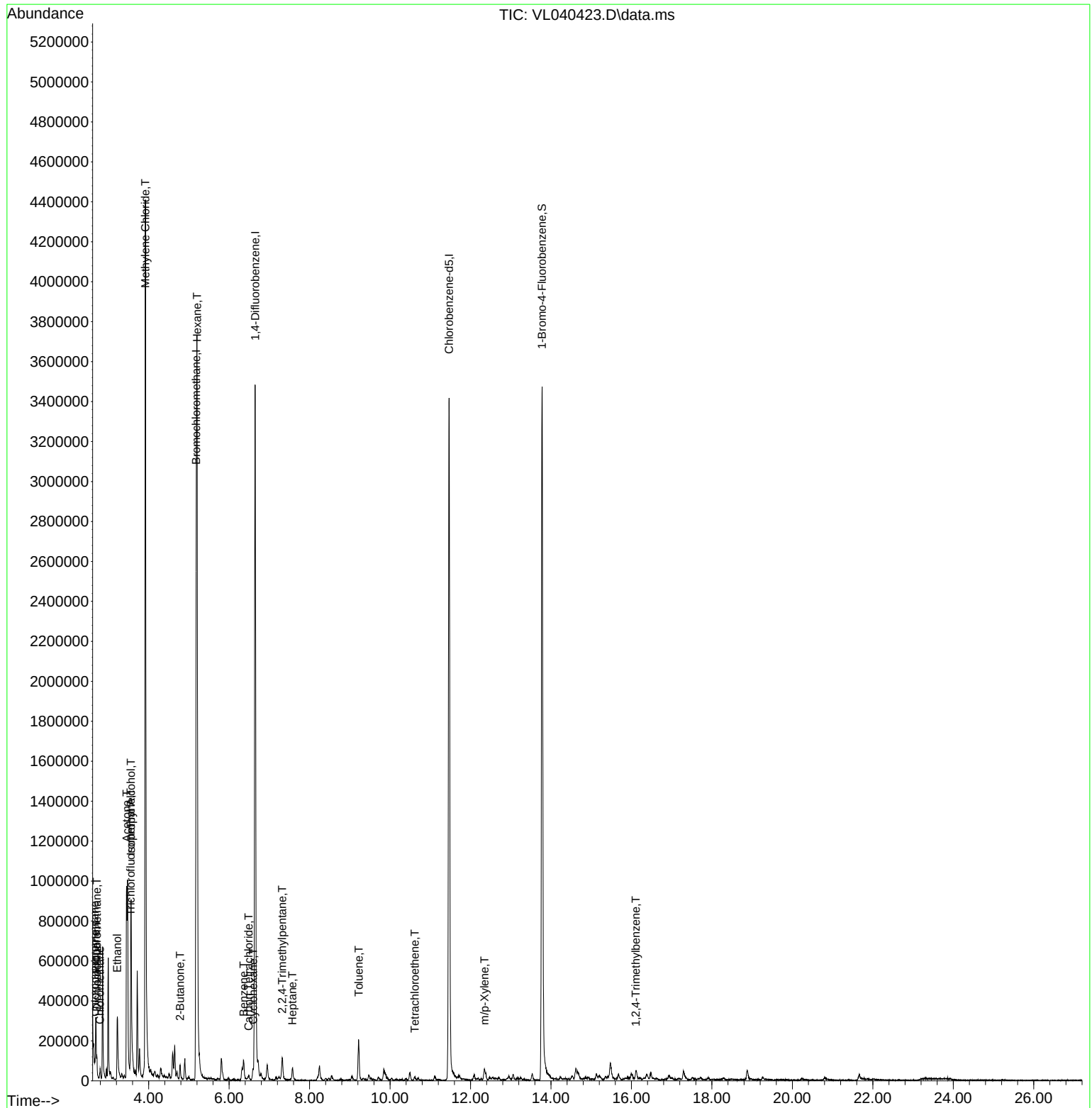
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
Data File : VL040423.D
Acq On : 12 May 2023 18:10
Operator : SY/MD
Sample : 02785-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

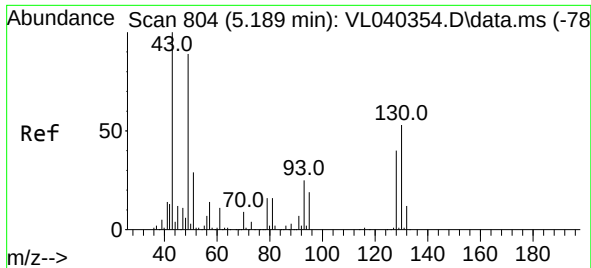
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: May 15 00:43:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

Manual Integrations
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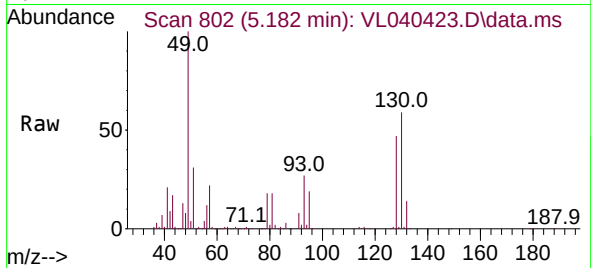
Reviewed By : Semsettin Yesilyurt 05/16/2023
Supervised By : Mahesh Dadoda 05/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 804
Delta R.T. -0.007 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

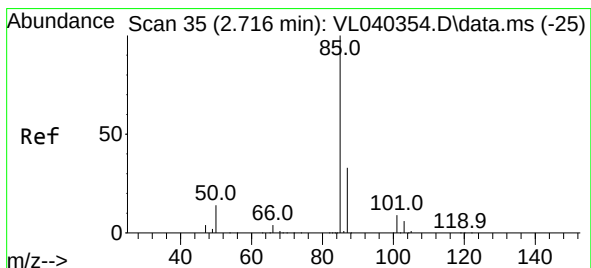
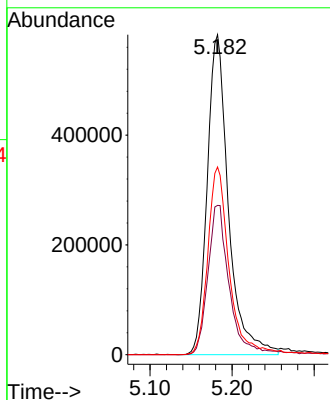
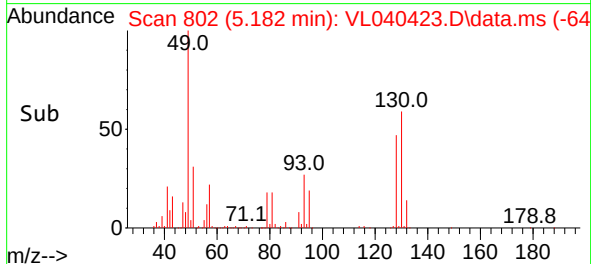
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 49 Resp: 104838
Ion Ratio Lower Upper
49 100
128 48.0 23.7 71.1
130 60.3 29.9 89.8

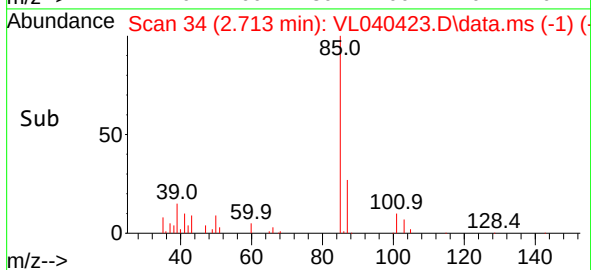
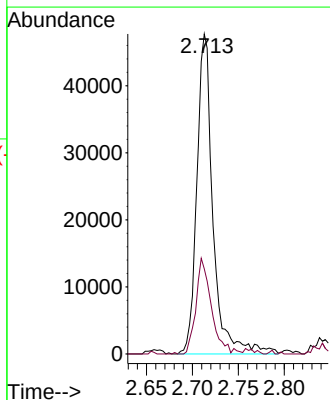
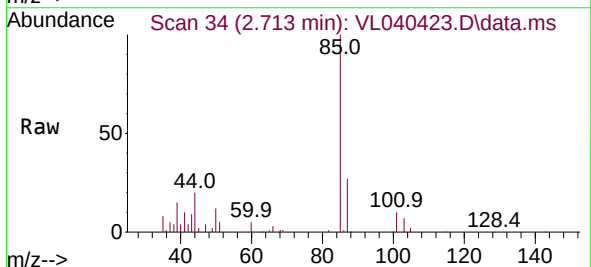
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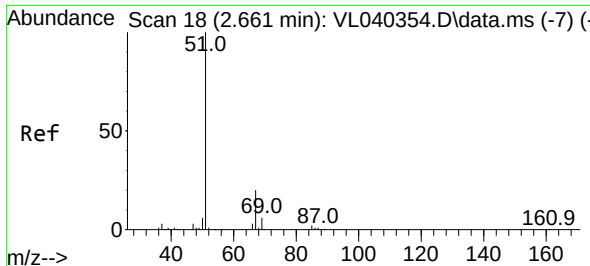
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#2
Dichlorodifluoromethane
Concen: 0.309 ppbv m
RT: 2.713 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

Tgt Ion: 85 Resp: 58449
Ion Ratio Lower Upper
85 100
87 26.6 26.6 40.0#





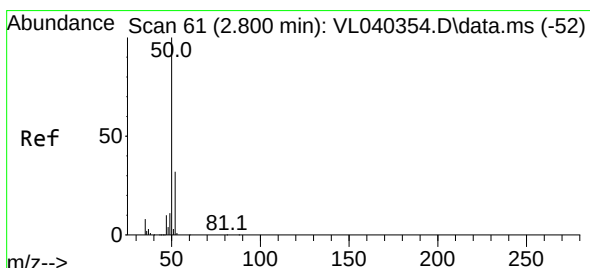
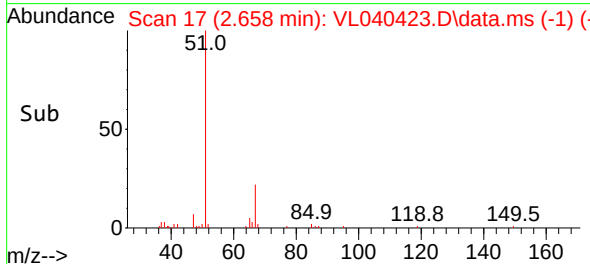
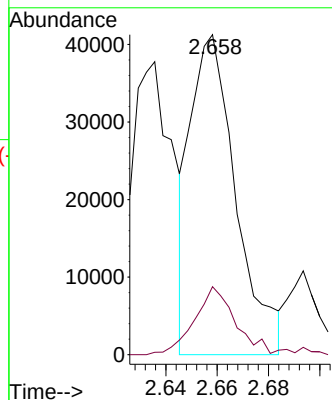
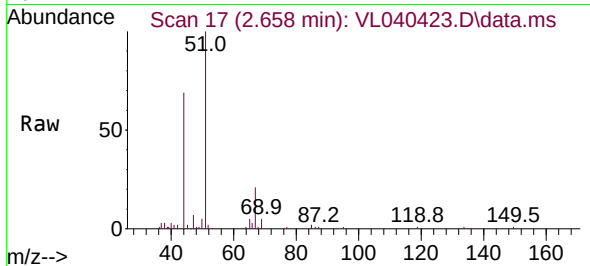
#3
Chlorodifluoromethane
Concen: 0.372 ppbv m
RT: 2.658 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 51 Resp: 50920
Ion Ratio Lower Upper
51 100
67 20.4 15.5 23.3

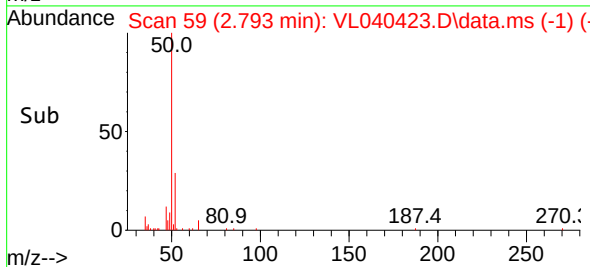
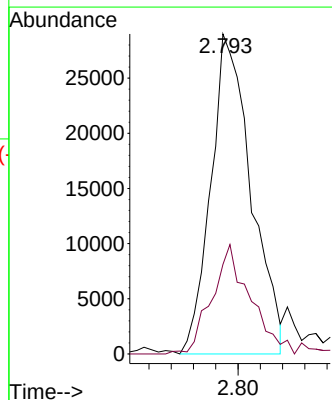
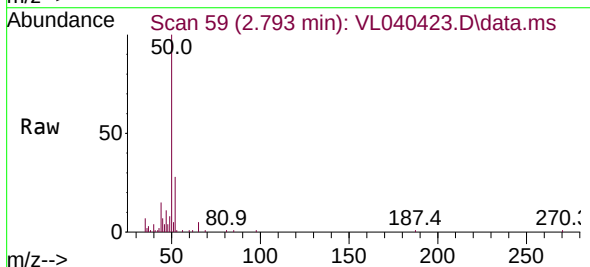
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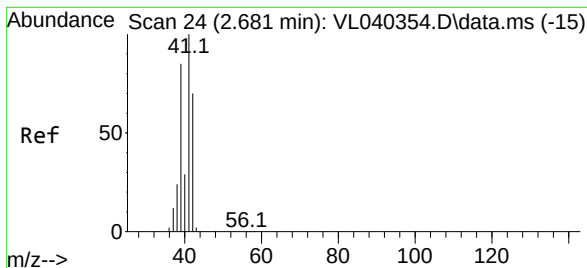
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#4
Chloromethane
Concen: 0.421 ppbv
RT: 2.793 min Scan# 59
Delta R.T. -0.007 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

Tgt Ion: 50 Resp: 36476
Ion Ratio Lower Upper
50 100
52 27.2 25.3 37.9





#9

Propene

Concen: 1.467 ppbv m

RT: 2.687 min Scan# 20

Delta R.T. 0.006 min

Lab File: VL040423.D

Acq: 12 May 2023 18:10

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion: 41 Resp: 79384

Ion Ratio Lower Upper

41 100

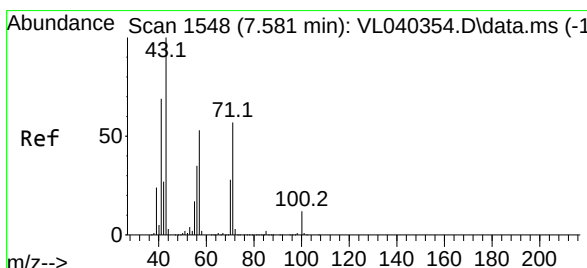
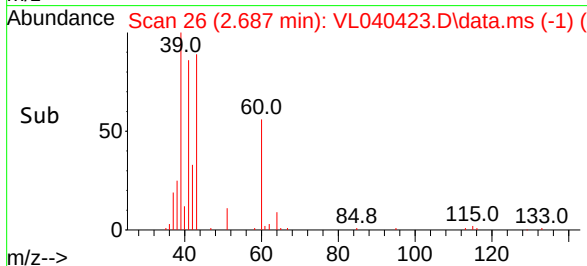
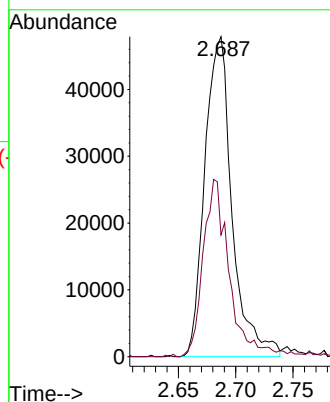
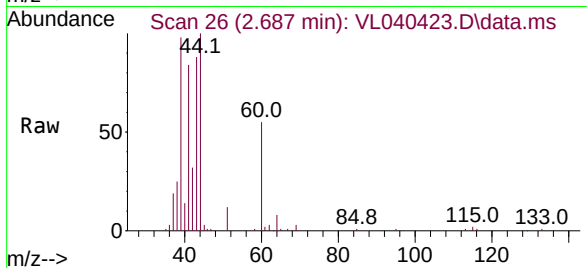
42 142.1 56.5 84.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#10

Heptane

Concen: 0.199 ppbv m

RT: 7.571 min Scan# 1545

Delta R.T. -0.010 min

Lab File: VL040423.D

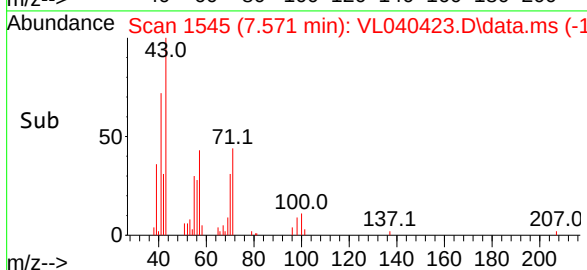
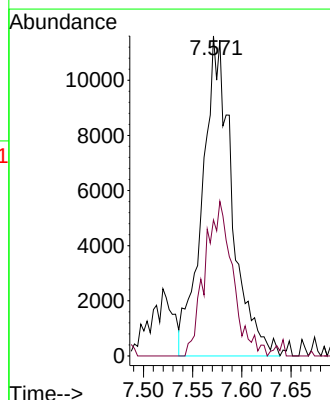
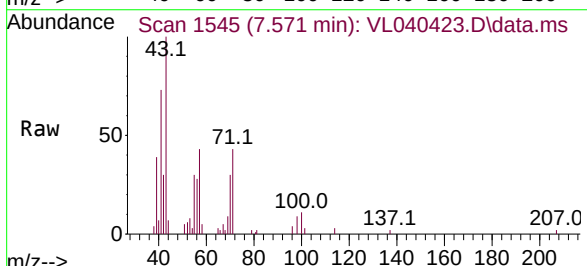
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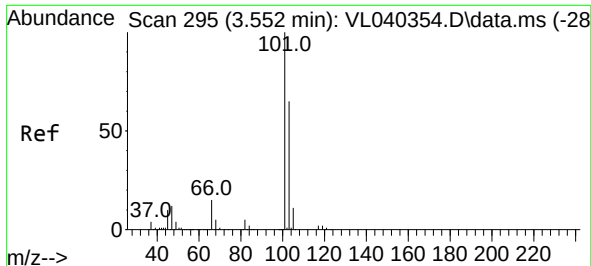
Tgt Ion: 43 Resp: 24419

Ion Ratio Lower Upper

43 100

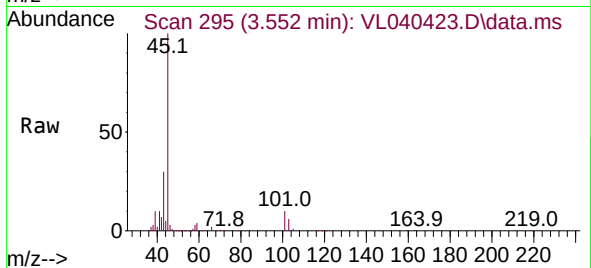
57 0.0 42.2 63.4





#11
Trichlorofluoromethane
Concen: 0.211 ppbv
RT: 3.552 min Scan# 295
Delta R.T. 0.000 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

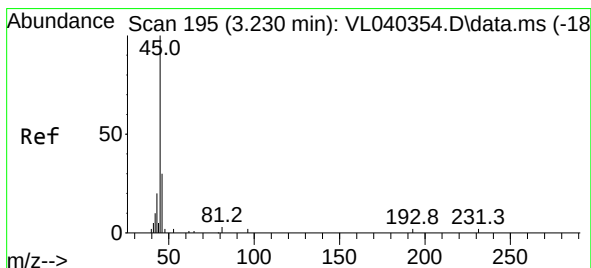
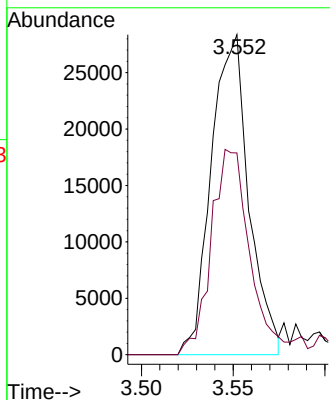
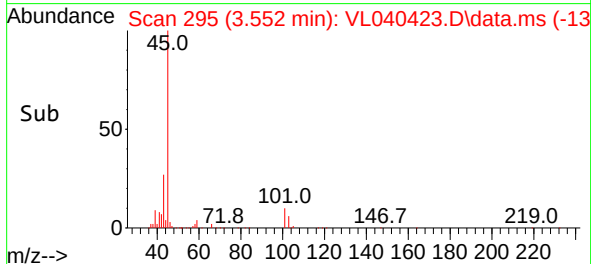
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



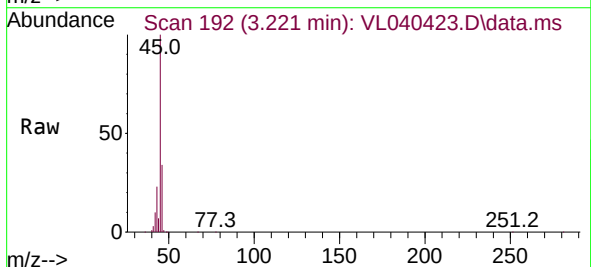
Tgt Ion:101 Resp: 4041
Ion Ratio Lower Upper
101 100
103 63.1 52.2 78.4

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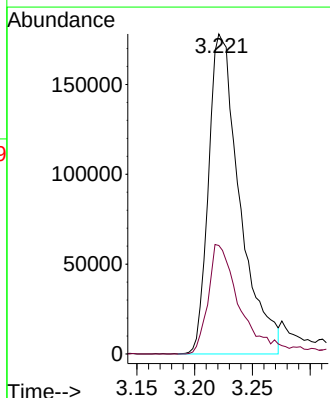
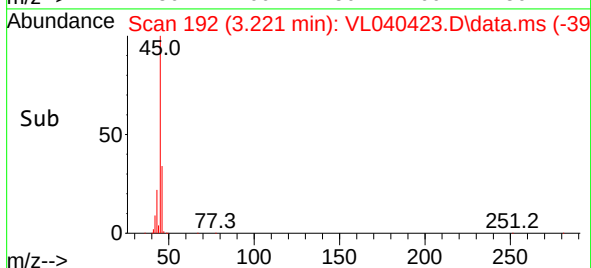
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

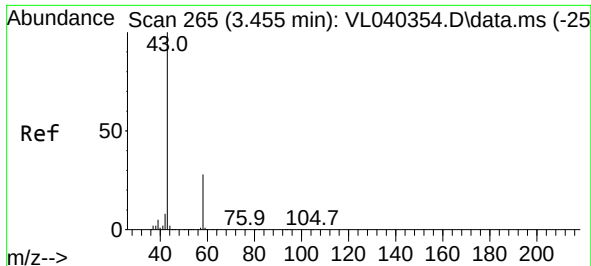


#13
Ethanol
Concen: 74.055 ppbv
RT: 3.221 min Scan# 192
Delta R.T. -0.009 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10



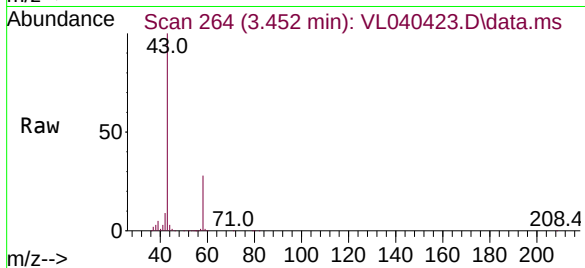
Tgt Ion: 45 Resp: 334589
Ion Ratio Lower Upper
45 100
46 37.1 15.3 61.3





#15
Acetone
Concen: 5.302 ppbv m
RT: 3.452 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

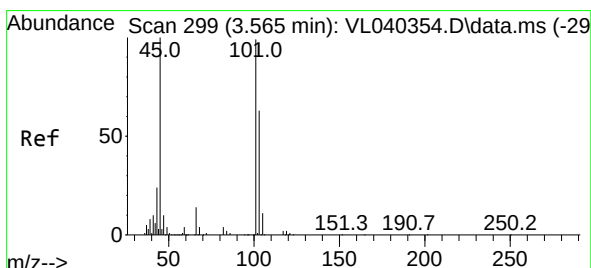
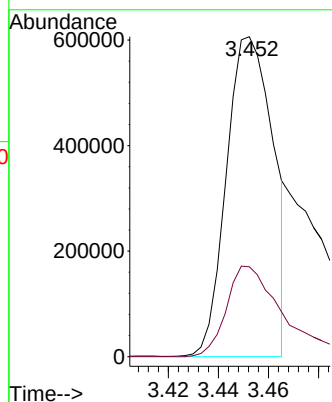
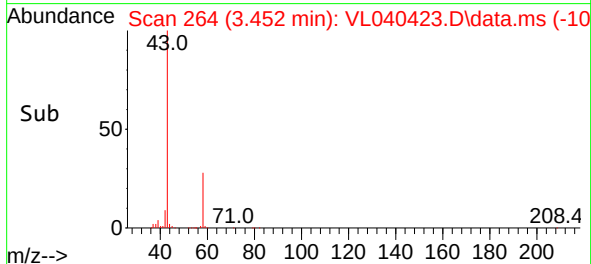
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 43 Resp: 787354
Ion Ratio Lower Upper
43 100
58 36.6 22.2 33.2

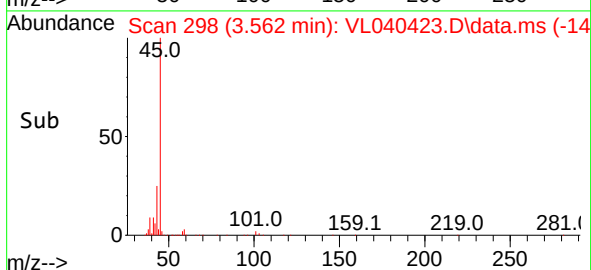
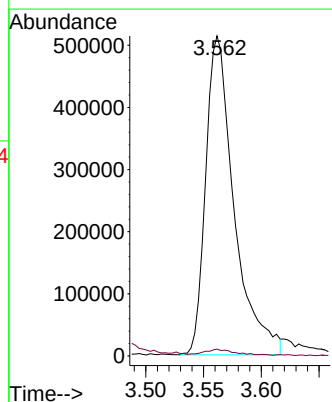
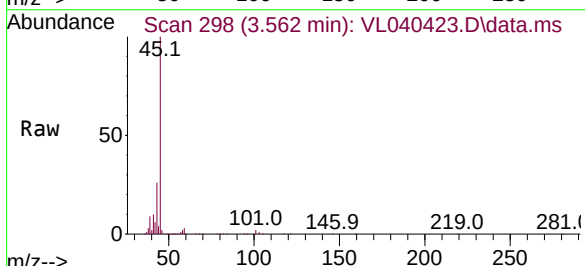
Manual Integrations
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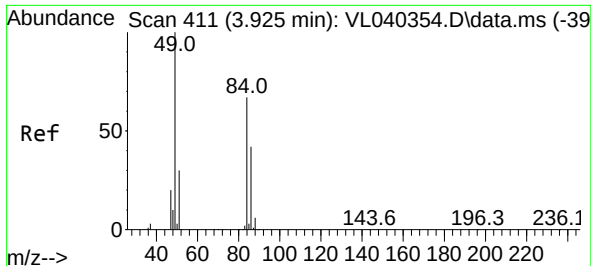
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#19
Isopropyl Alcohol
Concen: 12.943 ppbv
RT: 3.562 min Scan# 298
Delta R.T. -0.003 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

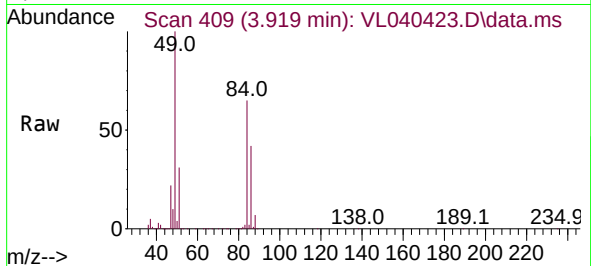
Tgt Ion: 45 Resp: 876942
Ion Ratio Lower Upper
45 100
58 2.5 2.6 4.0





#20
Methylene Chloride
Concen: 25.479 ppbv
RT: 3.919 min Scan# 409
Delta R.T. -0.006 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

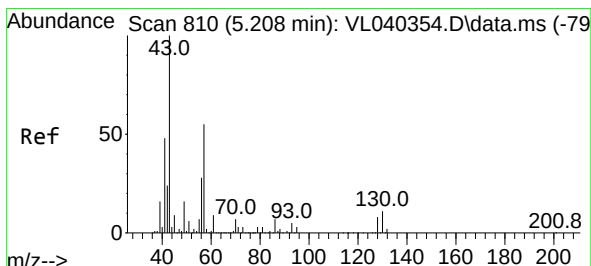
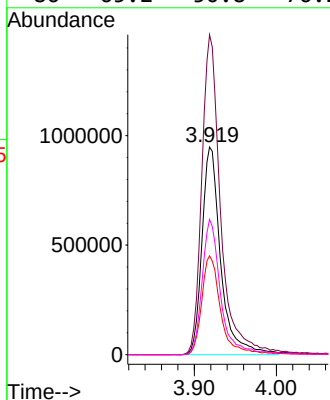
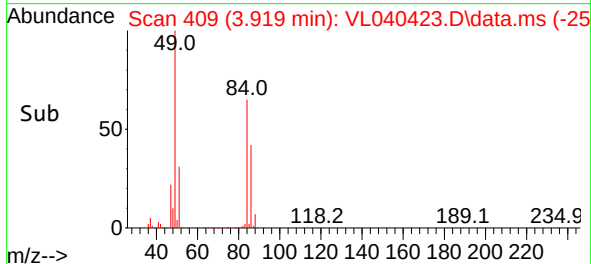


Tgt Ion: 84 Resp: 1510470

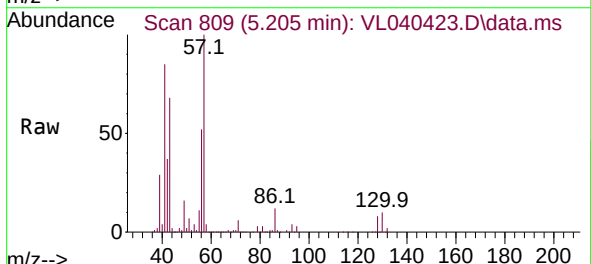
Ion	Ratio	Lower	Upper
84	100		
49	154.1	120.1	180.1
51	47.6	36.3	54.5
86	65.2	50.8	76.2

Manual Integrations
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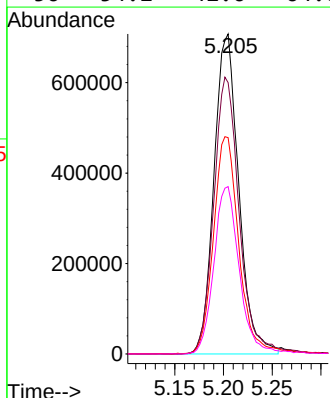
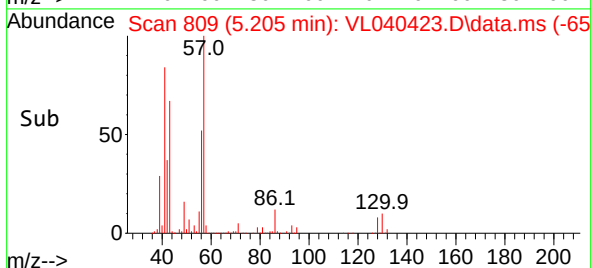


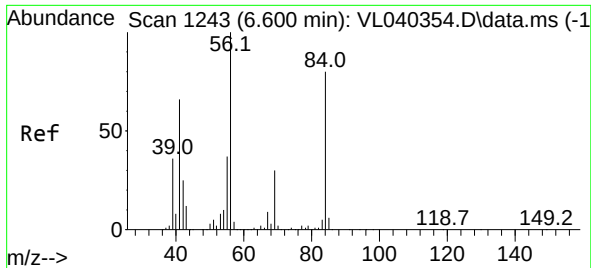
#26
Hexane
Concen: 11.887 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.003 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10



Tgt Ion: 57 Resp: 1252166

Ion	Ratio	Lower	Upper
57	100		
41	89.8	74.8	112.2
43	70.5	192.7	289.1#
56	54.2	42.6	64.0





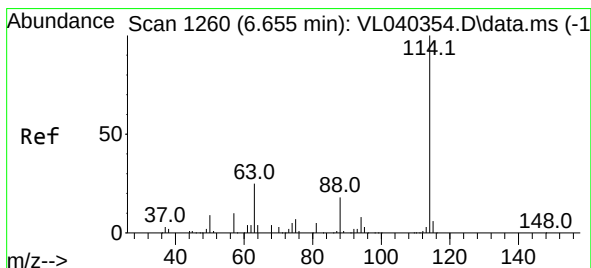
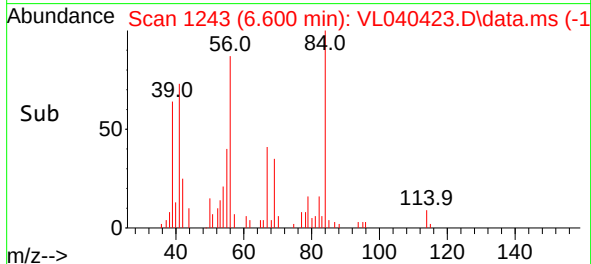
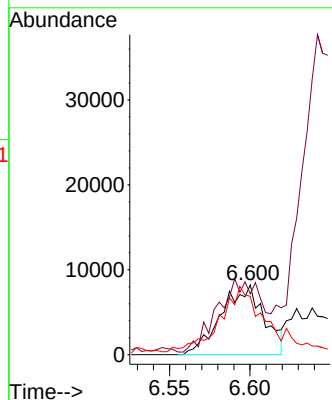
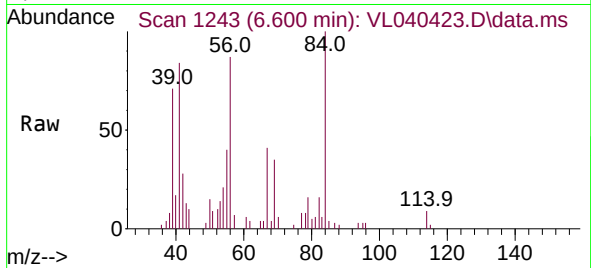
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Cyclohexane
Concen: 0.187 ppbv m
RT: 6.600 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 84 Resp: 1523
Ion Ratio Lower Upper
84 100
56 125.3 107.0 160.6
41 123.3 66.7 100.1

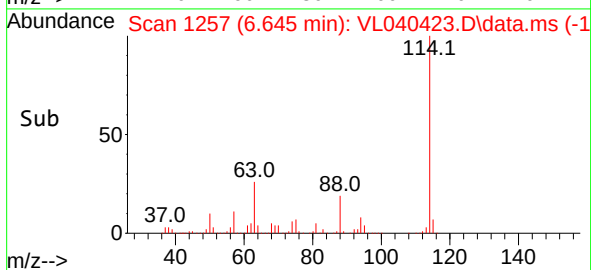
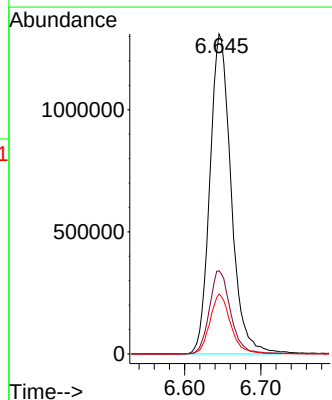
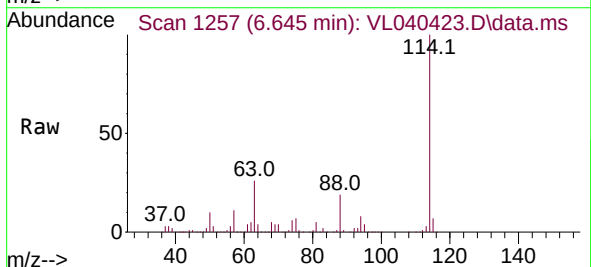
Manual Integrations
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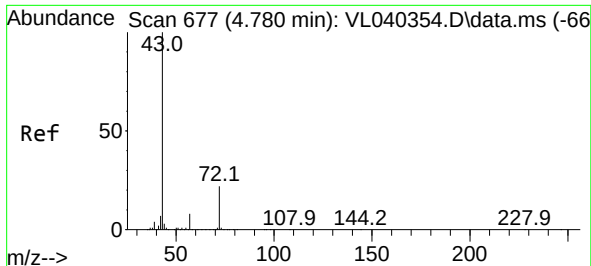
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.010 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

Tgt Ion:114 Resp: 2542460
Ion Ratio Lower Upper
114 100
63 26.2 21.4 32.0
88 18.3 14.6 22.0





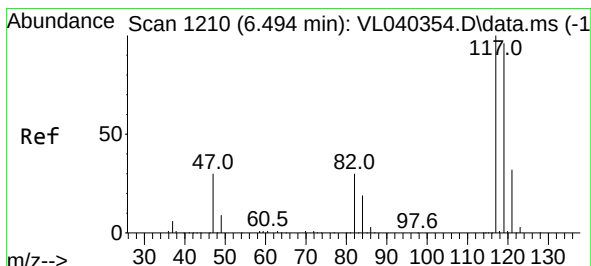
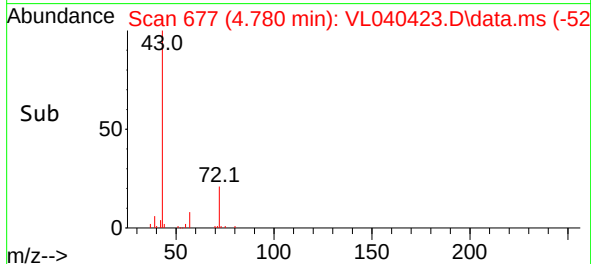
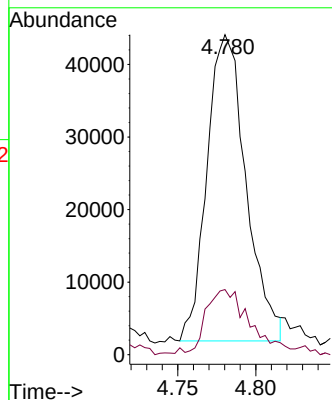
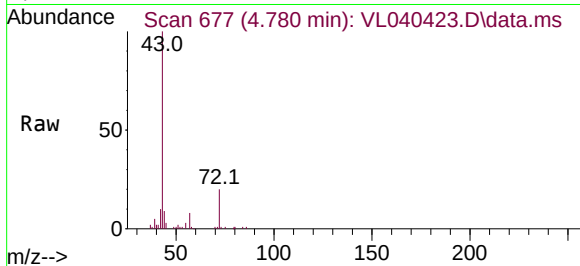
#34
2-Butanone
Concen: 0.536 ppbv
RT: 4.780 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 43 Resp: 7341
Ion Ratio Lower Upper
43 100
72 25.9 18.4 27.6

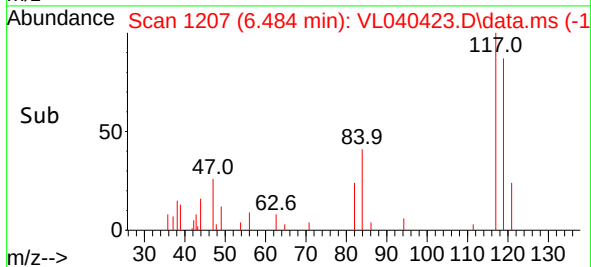
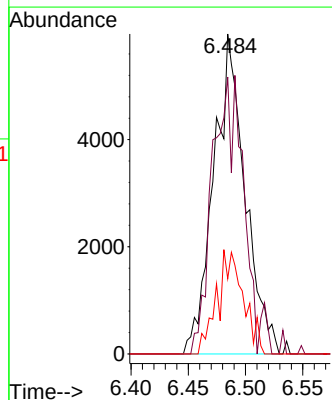
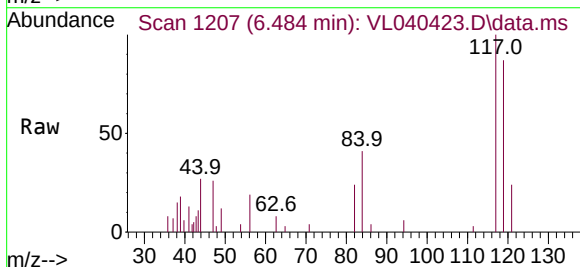
Manual Integrations
APPROVED

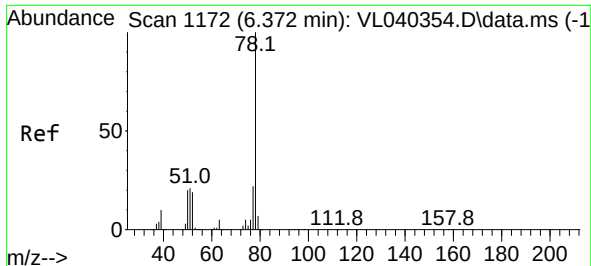
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#35
Carbon Tetrachloride
Concen: 0.063 ppbv m
RT: 6.484 min Scan# 1207
Delta R.T. -0.010 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

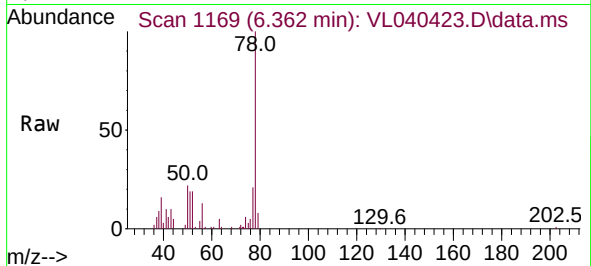
Tgt Ion:117 Resp: 11348
Ion Ratio Lower Upper
117 100
119 86.6 76.6 114.8
121 23.5 25.3 37.9#





#36
Benzene
Concen: 0.294 ppbv
RT: 6.362 min Scan# 1172
Delta R.T. -0.010 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

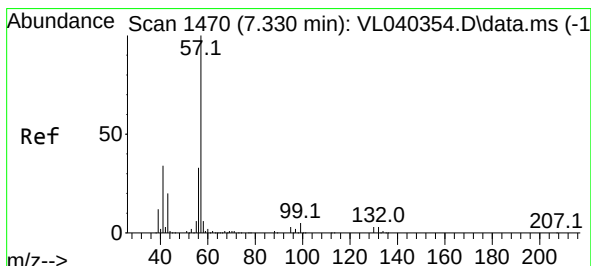
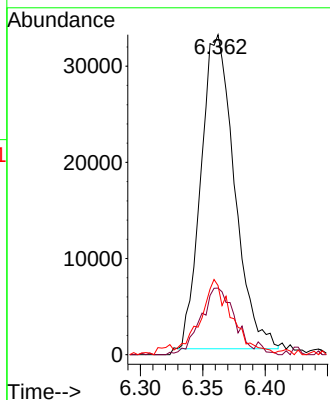
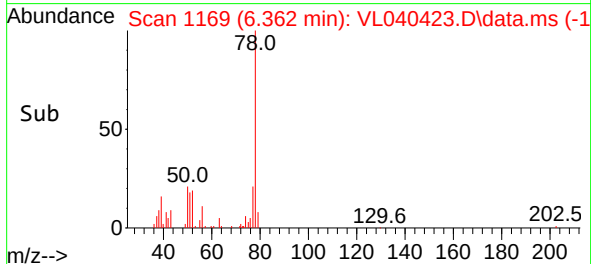
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 78 Resp: 60889
Ion Ratio Lower Upper
78 100
77 21.2 17.8 26.8
50 20.9 15.6 23.4

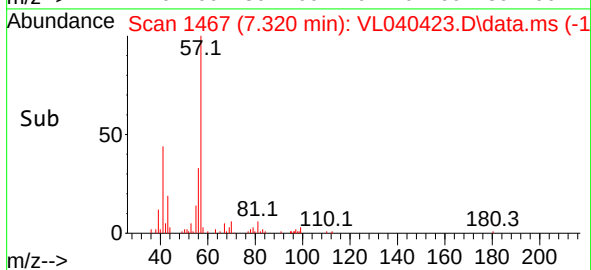
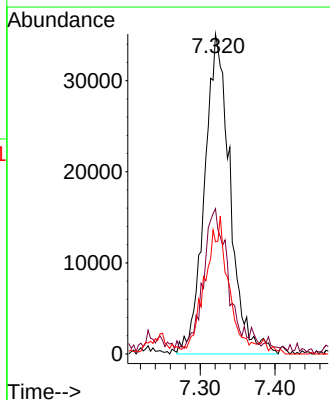
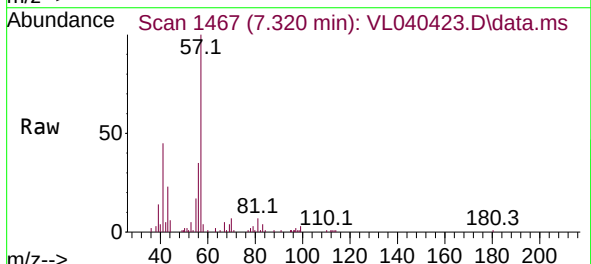
Manual Integrations
APPROVED

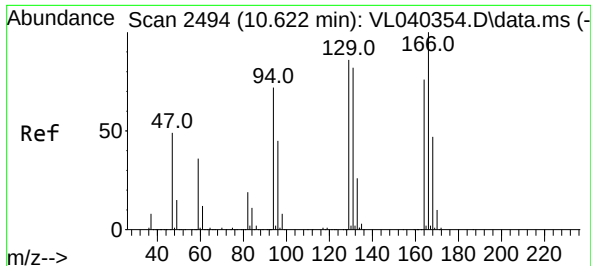
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#44
2,2,4-Trimethylpentane
Concen: 0.240 ppbv m
RT: 7.320 min Scan# 1467
Delta R.T. -0.010 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

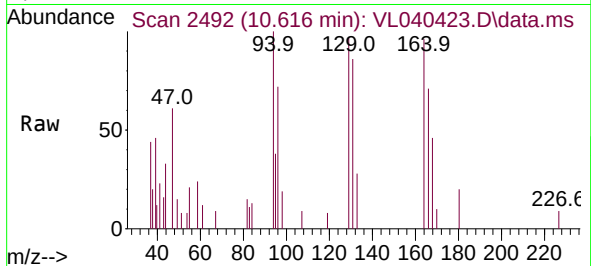
Tgt Ion: 57 Resp: 83326
Ion Ratio Lower Upper
57 100
41 46.1 26.9 40.3#
56 41.8 25.1 37.7#





#52
Tetrachloroethene
Concen: 0.051 ppbv m
RT: 10.616 min Scan# 2494
Delta R.T. -0.006 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

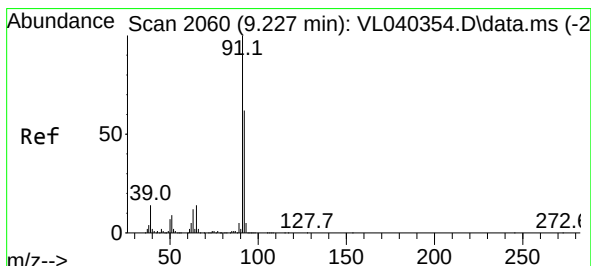
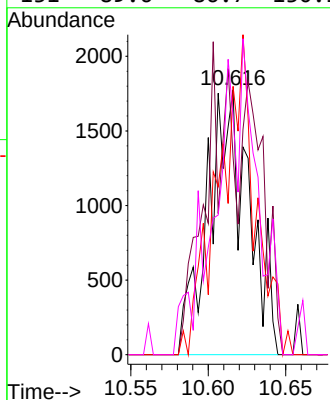
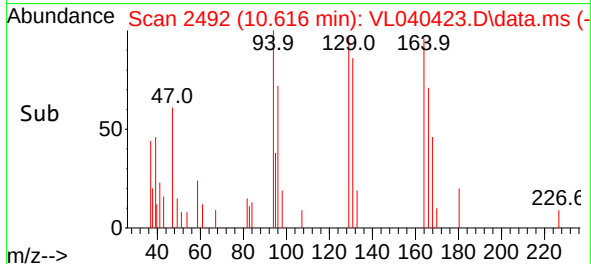
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



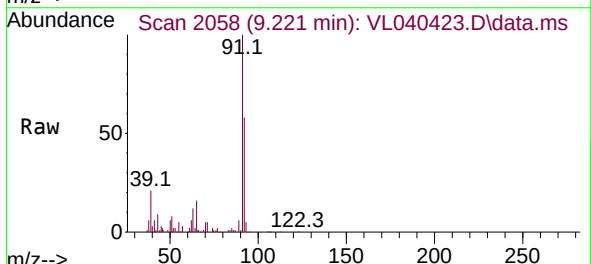
Tgt Ion:164 Resp: 328
Ion Ratio Lower Upper
164 100
166 74.6 105.2 157.8
129 101.3 90.3 135.5
131 89.6 86.7 130.1

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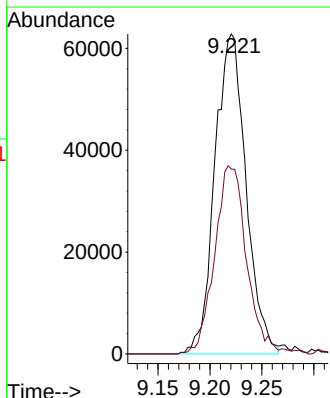
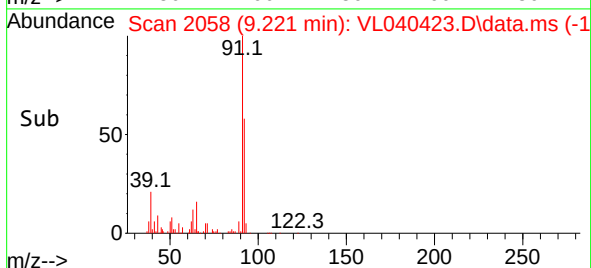
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

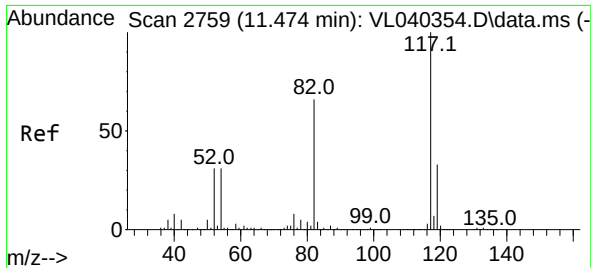


#53
Toluene
Concen: 0.596 ppbv
RT: 9.221 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10



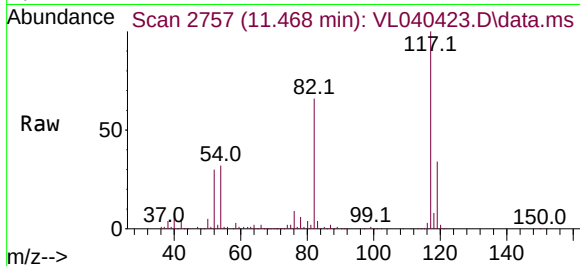
Tgt Ion: 91 Resp: 130979
Ion Ratio Lower Upper
91 100
92 60.7 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

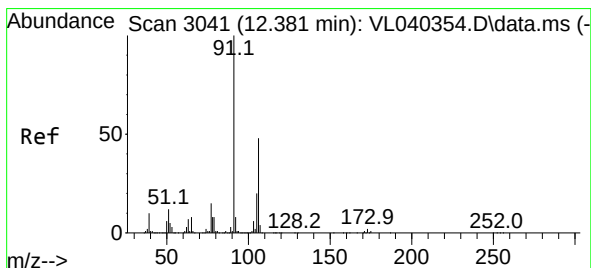
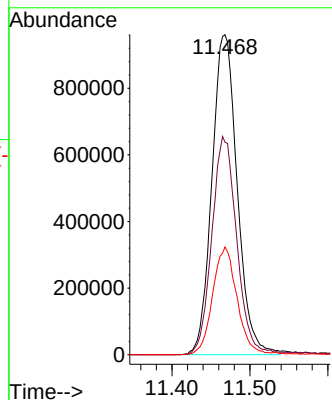
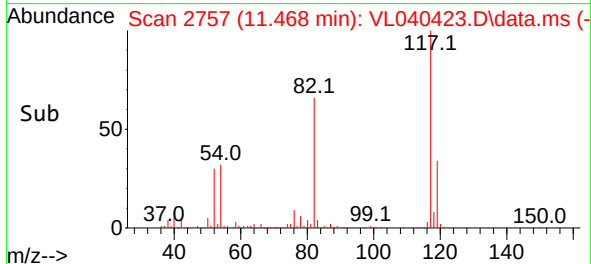
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:117 Resp: 2169674
Ion Ratio Lower Upper
117 100
82 68.2 52.5 78.7
119 32.9 24.3 36.5

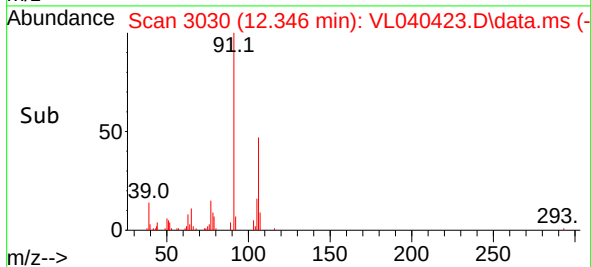
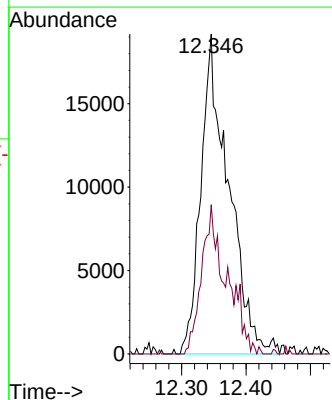
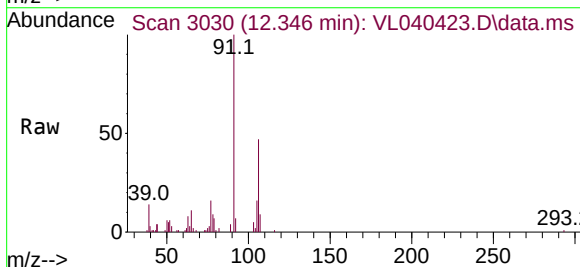
Manual Integrations
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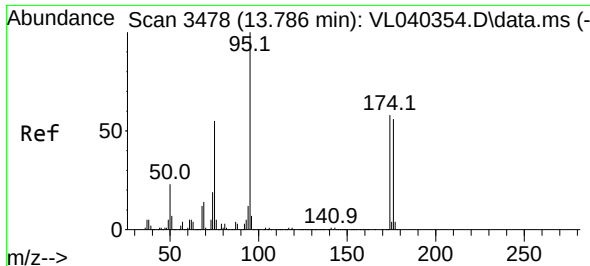
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#59
m/p-Xylene
Concen: 0.233 ppbv m
RT: 12.346 min Scan# 3030
Delta R.T. -0.035 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

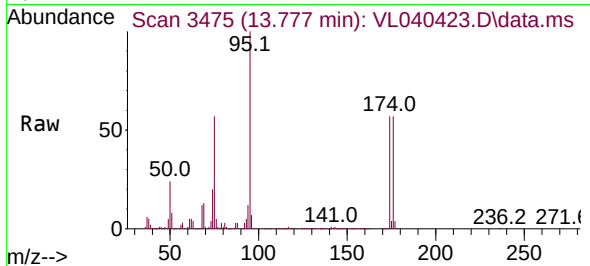
Tgt Ion: 91 Resp: 57115
Ion Ratio Lower Upper
91 100
106 0.0 34.7 52.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.595 ppbv
RT: 13.777 min Scan# 3478
Delta R.T. -0.009 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10

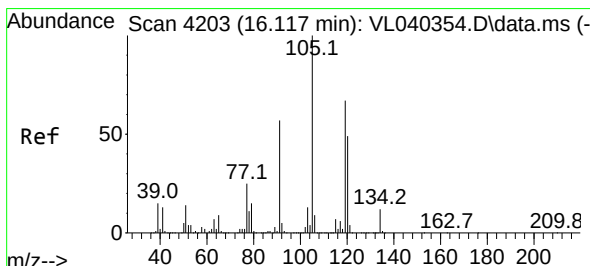
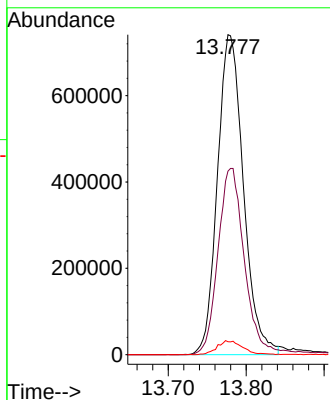
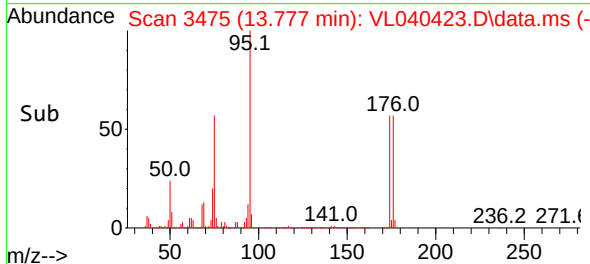
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



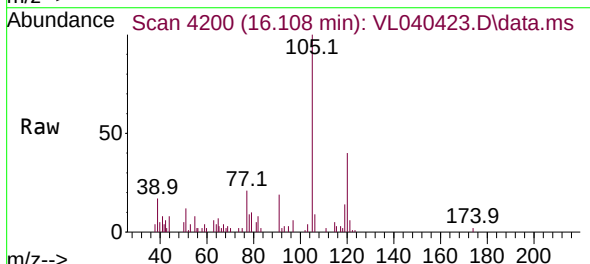
Tgt Ion: 95 Resp: 172154
Ion Ratio Lower Upper
95 100
174 60.6 47.2 70.8
175 4.4 3.5 5.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.102 ppbv m
RT: 16.108 min Scan# 4200
Delta R.T. -0.009 min
Lab File: VL040423.D
Acq: 12 May 2023 18:10



Tgt Ion:105 Resp: 28043
Ion Ratio Lower Upper
105 100
120 40.3 38.9 58.3
91 19.4 46.0 69.0#
77 20.9 20.0 30.0

