

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040451.D
 Acq On : 16 May 2023 23:56
 Operator : SY/MD
 Sample : 02793-04DLDUP 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4DLDUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 17 05:19:13 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M

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

QLast Update : Wed May 17 05:12:40 2023

Response via : Initial Calibration

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

Internal Standards							
1) Bromochloromethane		5.208	49	995574	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		6.671	114	2479582	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.494	117	2226583	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.802	95	1798878	10.048	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	= 100.500%	
Target Compounds							Qvalue
9) Propene		2.713	41	26664m	0.533	ppbv	
10) Heptane		7.600	43	33217m	0.287	ppbv	
13) Ethanol		3.259	45	48628m	12.828	ppbv	
15) Acetone		3.491	43	155362m	1.234	ppbv	
18) 1,1-Dichloroethene		3.893	96	12983	0.227	ppbv #	85
20) Methylene Chloride		3.947	84	270723	4.825	ppbv	98
24) 1,1-Dichloroethane		4.581	63	21772	0.183	ppbv #	97
26) Hexane		5.230	57	162928	1.657	ppbv #	36
30) Cyclohexane		6.632	84	19369m	0.242	ppbv	
32) 1,1,1-Trichloroethane		6.025	97	181666	0.975	ppbv	98
36) Benzene		6.388	78	60176	0.299	ppbv #	91
53) Toluene		9.243	91	146336	0.688	ppbv	98
58) Ethyl Benzene		12.118	91	50282m	0.178	ppbv	
59) m/p-Xylene		12.372	91	164538m	0.640	ppbv	
60) o-Xylene		13.089	91	62150	0.254	ppbv	95
72) 4-Ethyltoluene		15.230	105	29133m	0.105	ppbv	
73) 1,3,5-Trimethylbenzene		15.387	105	30379m	0.119	ppbv	
74) 1,2,4-Trimethylbenzene		16.140	105	75440	0.258	ppbv #	74

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

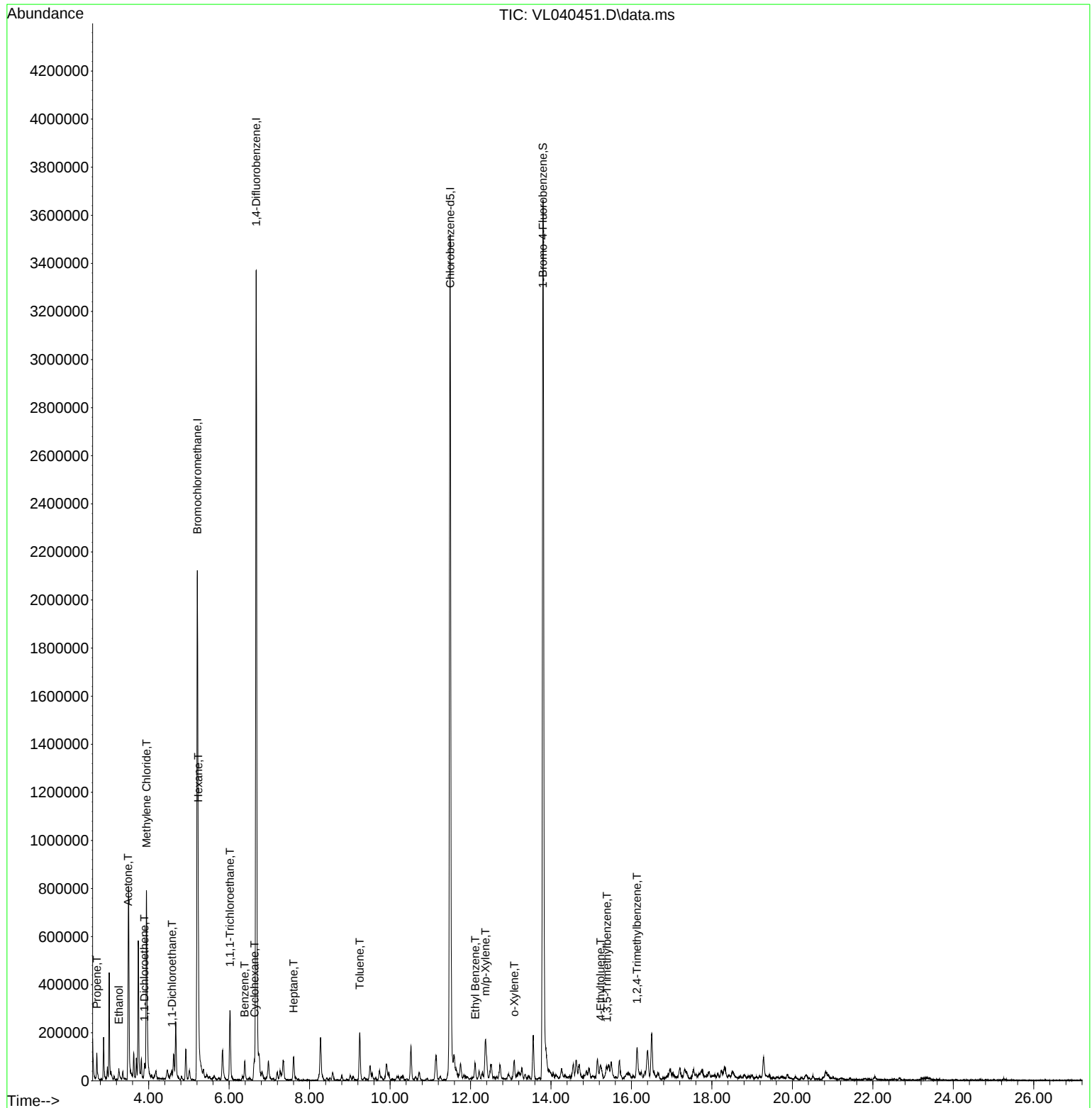
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
Data File : VL040451.D
Acq On : 16 May 2023 23:56
Operator : SY/MD
Sample : 02793-04DLDUP 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

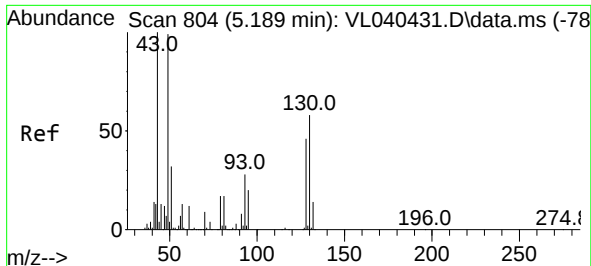
Instrument :
MSVOA_L
ClientSampleId :
SG-4DLDUP

Quant Time: May 17 05:19:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed May 17 05:12:40 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

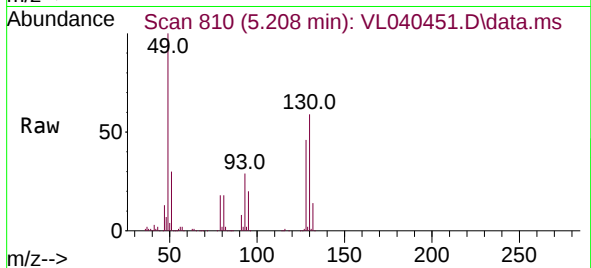
Reviewed By : Semsettin Yesilyurt 05/17/2023
Supervised By : Mahesh Dadoda 05/17/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

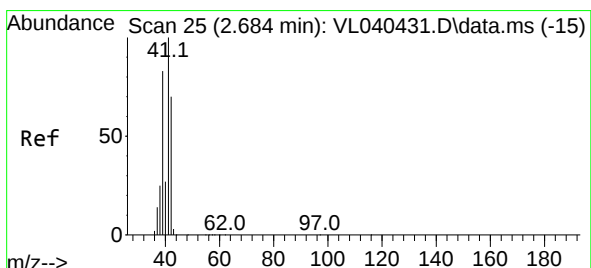
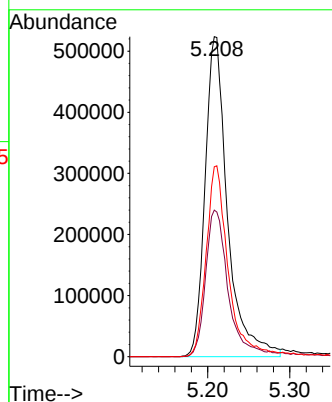
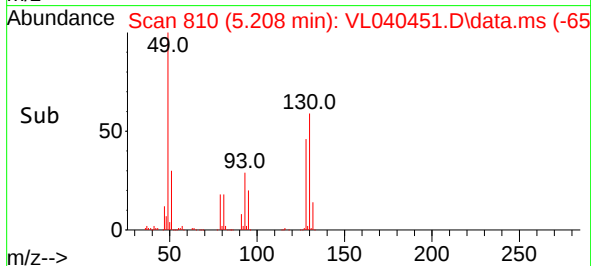
Instrument :
MSVOA_L
ClientSampleId :
SG-4DLDUP



Tgt Ion: 49 Resp: 995574
Ion Ratio Lower Upper
49 100
128 48.5 24.3 72.8
130 59.8 30.2 90.6

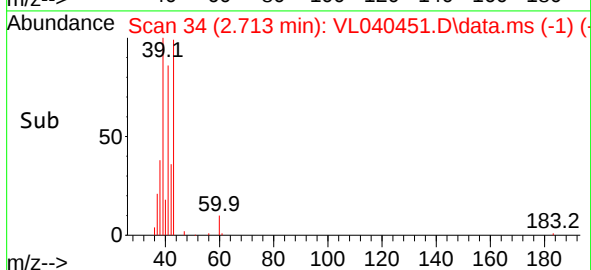
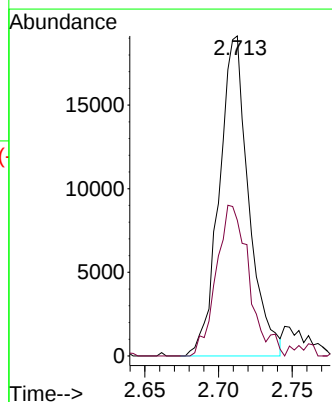
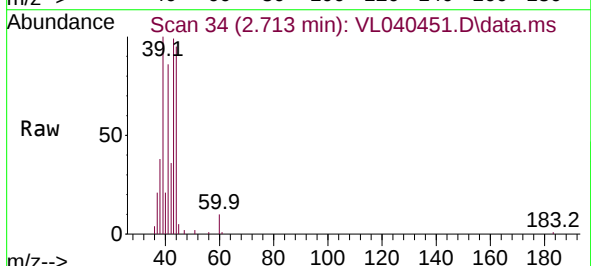
Manual Integrations
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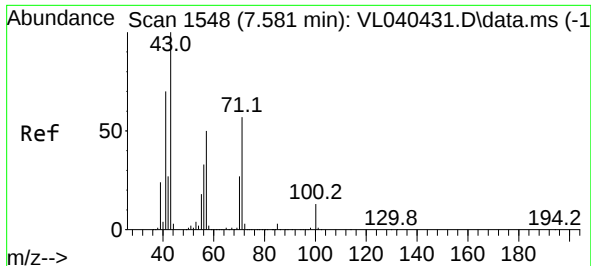
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#9
Propene
Concen: 0.533 ppbv m
RT: 2.713 min Scan# 34
Delta R.T. 0.019 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

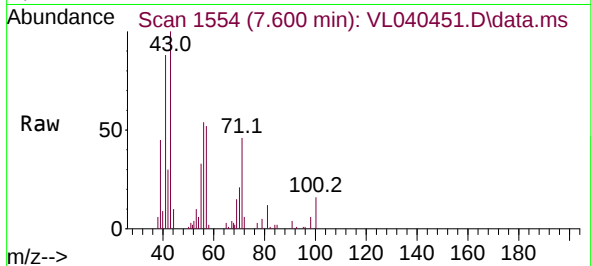
Tgt Ion: 41 Resp: 26664
Ion Ratio Lower Upper
41 100
42 126.6 56.6 84.8#





#10
Heptane
Concen: 0.287 ppbv m
RT: 7.600 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

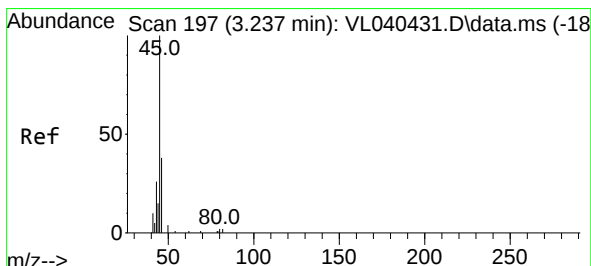
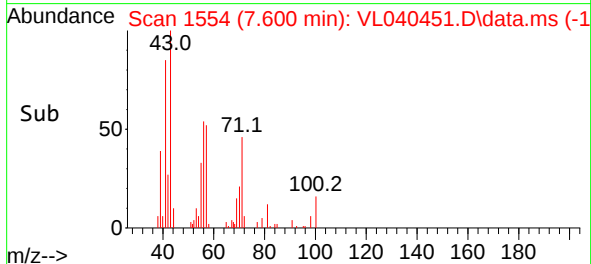
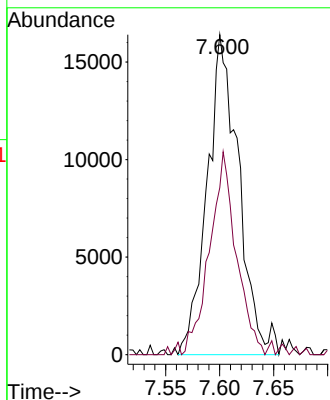
Instrument :
MSVOA_L
ClientSampleId :
SG-4DLDUP



Tgt Ion: 43 Resp: 3321
Ion Ratio Lower Upper
43 100
57 54.8 42.2 63.2

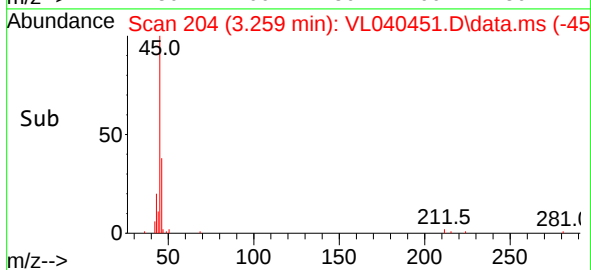
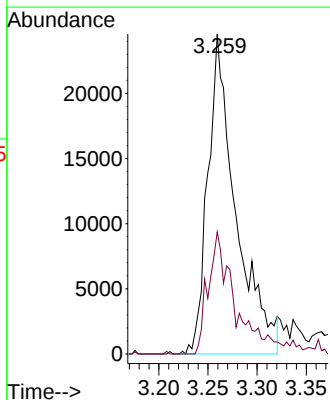
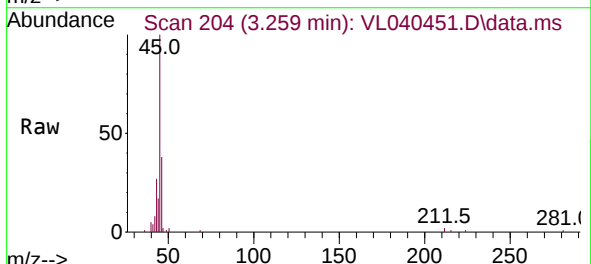
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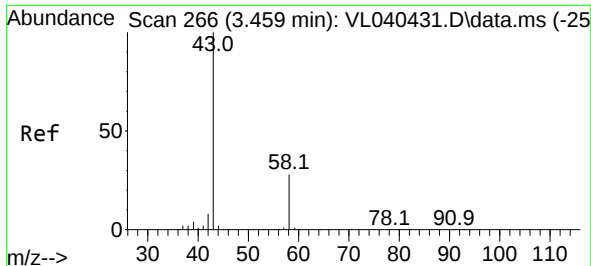
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#13
Ethanol
Concen: 12.828 ppbv m
RT: 3.259 min Scan# 204
Delta R.T. 0.010 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

Tgt Ion: 45 Resp: 48628
Ion Ratio Lower Upper
45 100
46 40.5 13.2 52.8





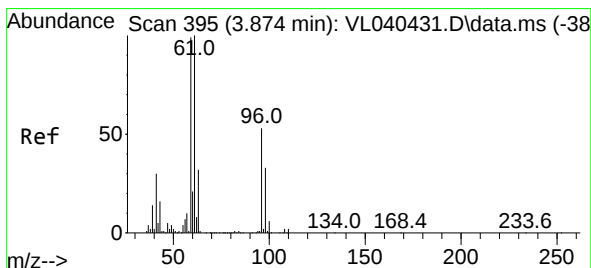
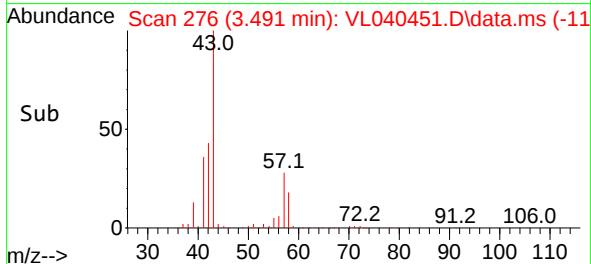
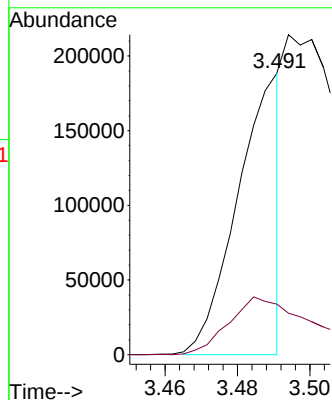
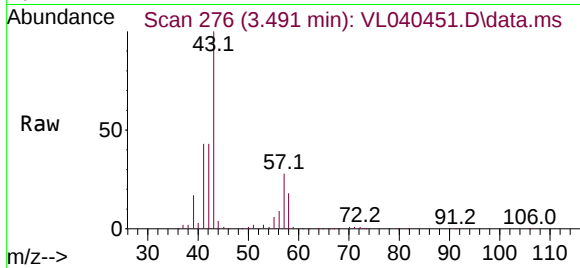
#15
Acetone
Concen: 1.234 ppbv m
RT: 3.491 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

Instrument :
MSVOA_L
ClientSampleId :
SG-4DLDUP

Tgt Ion: 43 Resp: 155362
Ion Ratio Lower Upper
43 100
58 48.1 22.2 33.4

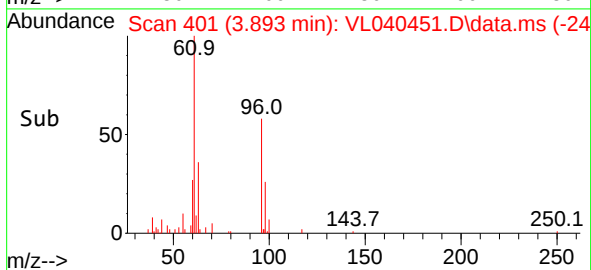
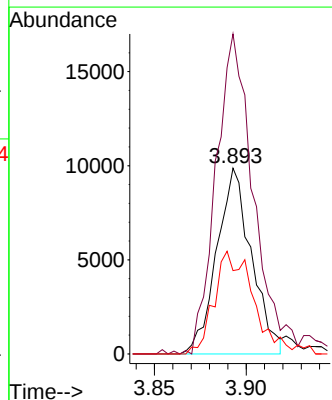
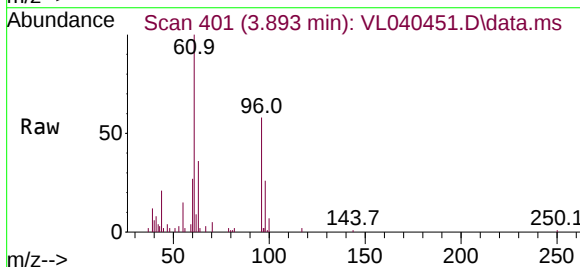
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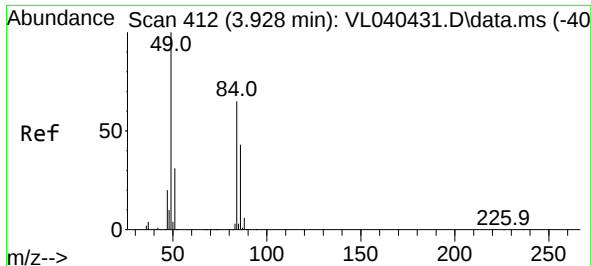
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#18
1,1-Dichloroethene
Concen: 0.227 ppbv
RT: 3.893 min Scan# 401
Delta R.T. 0.006 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

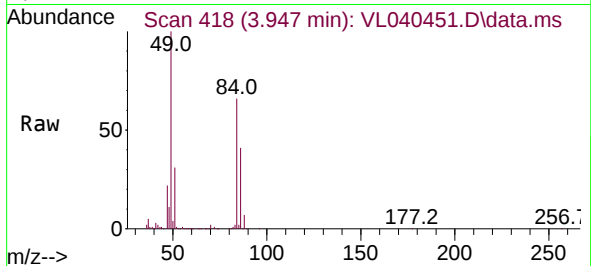
Tgt Ion: 96 Resp: 12983
Ion Ratio Lower Upper
96 100
61 172.2 151.8 227.8
98 44.8 50.5 75.7





#20
Methylene Chloride
Concen: 4.825 ppbv
RT: 3.947 min Scan# 411
Delta R.T. 0.010 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

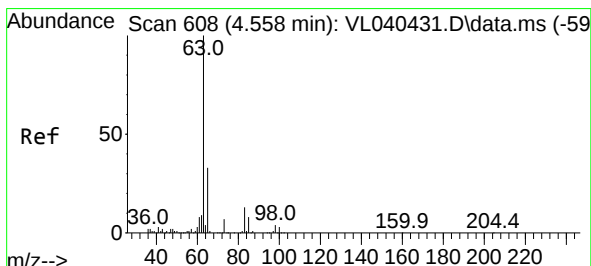
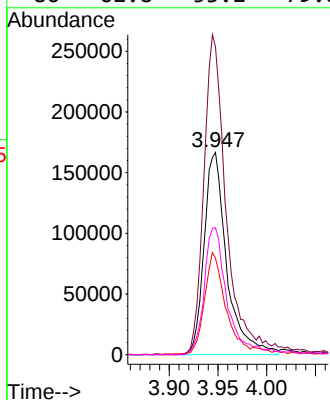
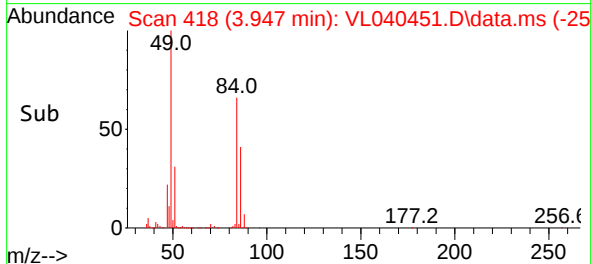
Instrument :
MSVOA_L
ClientSampleId :
SG-4DLDUP



Tgt Ion: 84 Resp: 27072
Ion Ratio Lower Upper
84 100
49 152.1 123.7 185.5
51 47.3 38.6 57.8
86 62.8 53.2 79.8

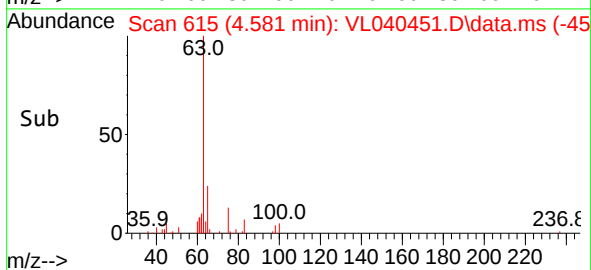
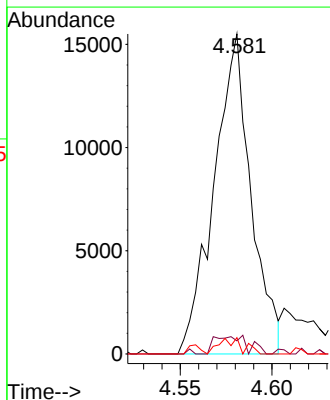
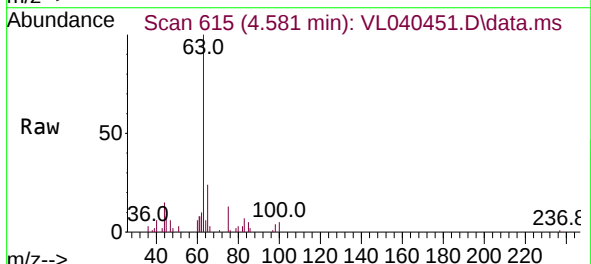
Manual Integrations
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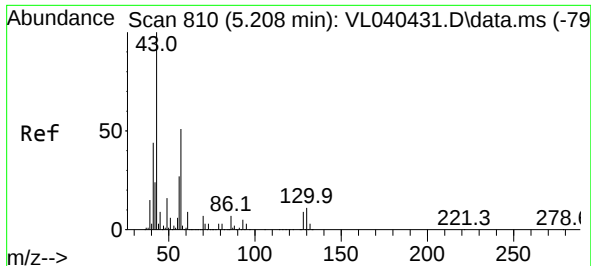
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#24
1,1-Dichloroethane
Concen: 0.183 ppbv
RT: 4.581 min Scan# 615
Delta R.T. 0.010 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

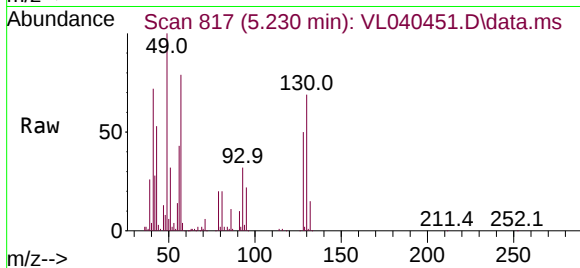
Tgt Ion: 63 Resp: 21772
Ion Ratio Lower Upper
63 100
98 4.1 2.0 5.8
100 5.1 1.4 4.2#





#26
Hexane
Concen: 1.657 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

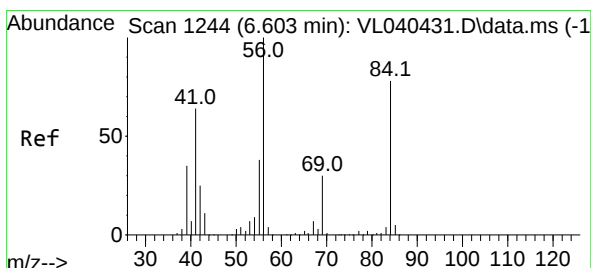
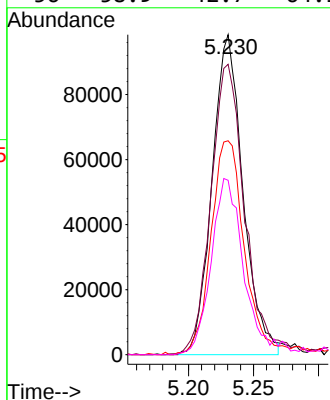
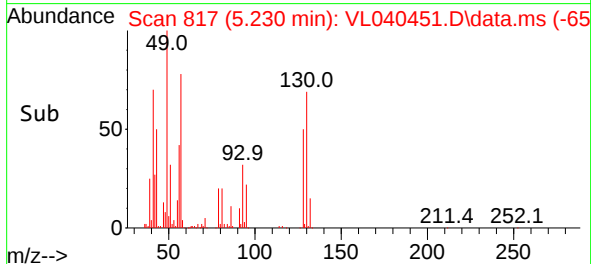
Instrument :
MSVOA_L
ClientSampleId :
SG-4DLDUP



Tgt Ion: 57 Resp: 162928
Ion Ratio Lower Upper
57 100
41 99.9 75.1 112.7
43 75.0 194.4 291.6
56 58.9 42.7 64.1

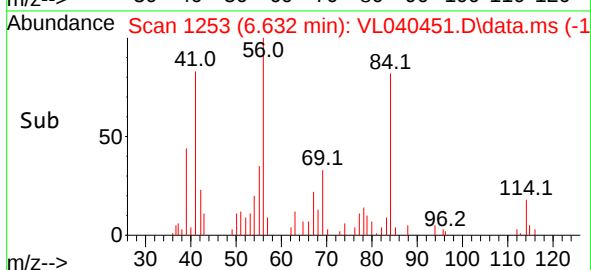
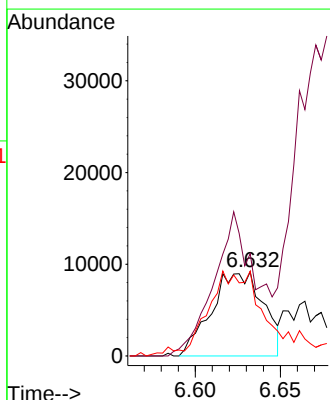
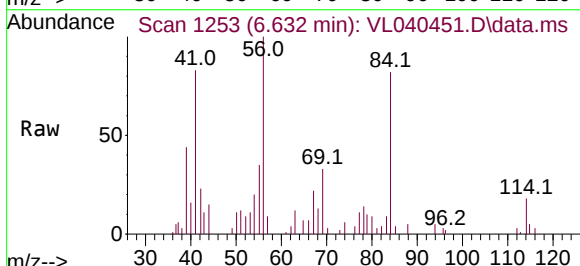
Manual Integrations
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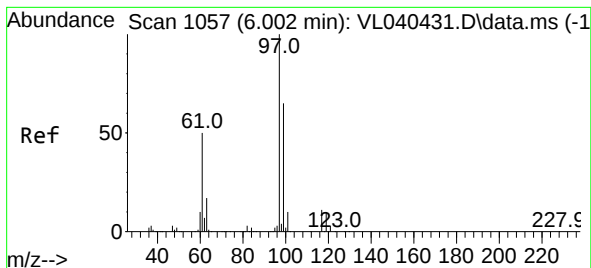
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#30
Cyclohexane
Concen: 0.242 ppbv m
RT: 6.632 min Scan# 1253
Delta R.T. 0.016 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

Tgt Ion: 84 Resp: 19369
Ion Ratio Lower Upper
84 100
56 0.0 108.2 162.4#
41 122.6 66.9 100.3#





#32

1,1,1-Trichloroethane

Concen: 0.975 ppbv

RT: 6.025 min Scan# 1057

Delta R.T. 0.010 min

Lab File: VL040451.D

Acq: 16 May 2023 23:56

Instrument :

MSVOA_L

ClientSampleId :

SG-4DLDUP

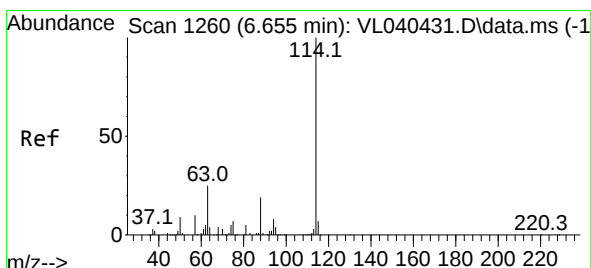
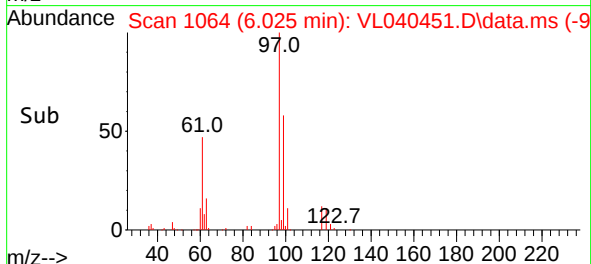
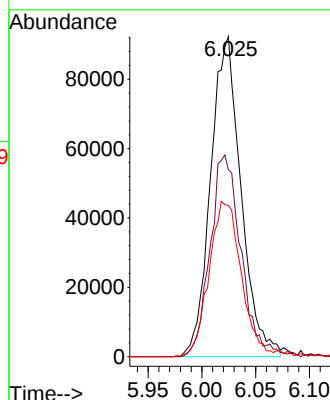
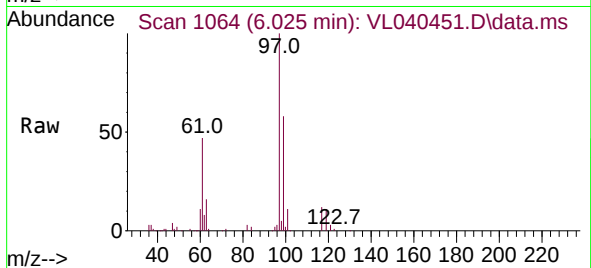
Tgt Ion: 97 Resp: 18166

Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.2	78.2
61	52.3	40.2	60.4

Manual Integrations

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Supervised By :Mahesh Dadoda 05/17/2023



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 1265

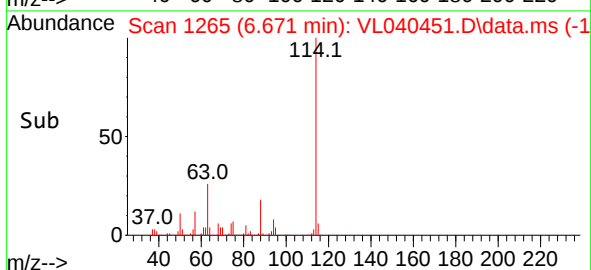
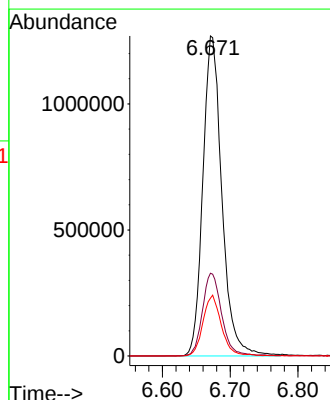
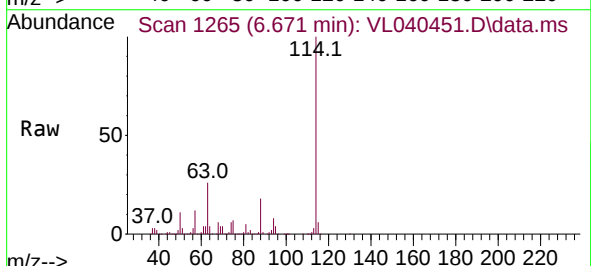
Delta R.T. 0.000 min

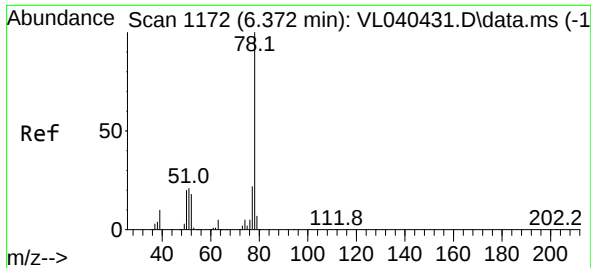
Lab File: VL040451.D

Acq: 16 May 2023 23:56

Tgt Ion:114 Resp: 2479582

Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.0	31.6
88	18.4	14.6	22.0





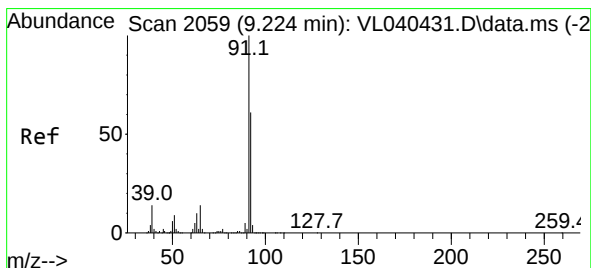
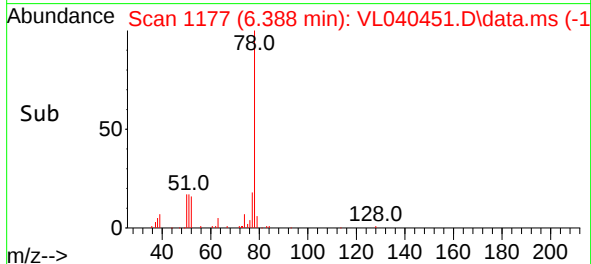
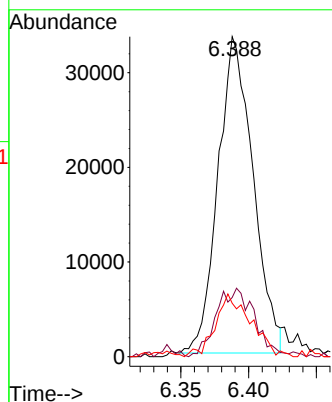
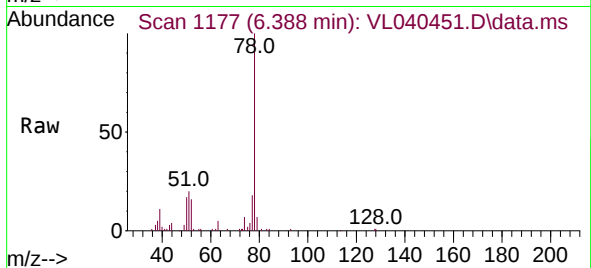
#36
Benzene
Concen: 0.299 ppbv
RT: 6.388 min Scan# 1172
Delta R.T. 0.003 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

Instrument :
MSVOA_L
ClientSampleId :
SG-4DLDUP

Tgt Ion: 78 Resp: 60170
Ion Ratio Lower Upper
78 100
77 17.4 17.7 26.5
50 16.2 15.8 23.8

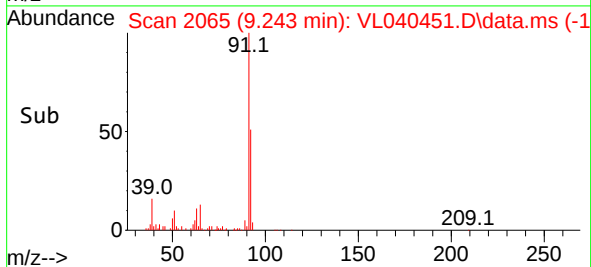
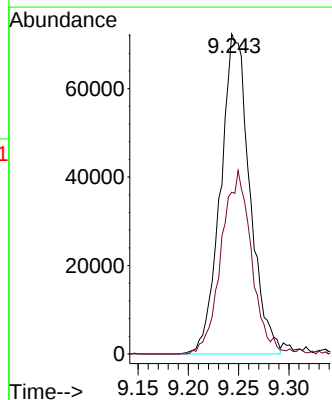
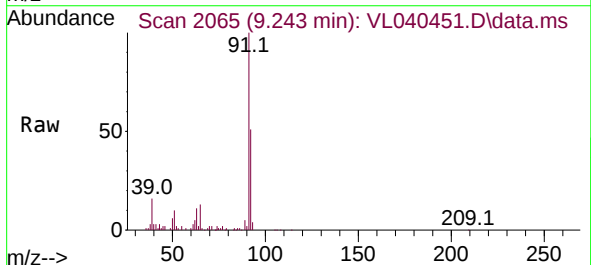
Manual Integrations
APPROVED

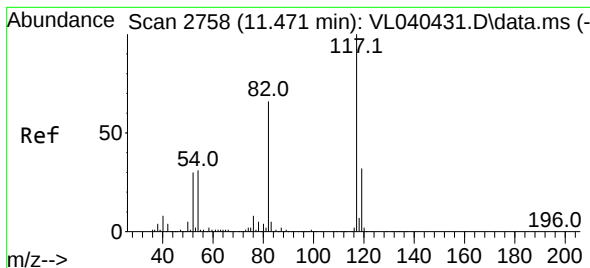
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#53
Toluene
Concen: 0.688 ppbv
RT: 9.243 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

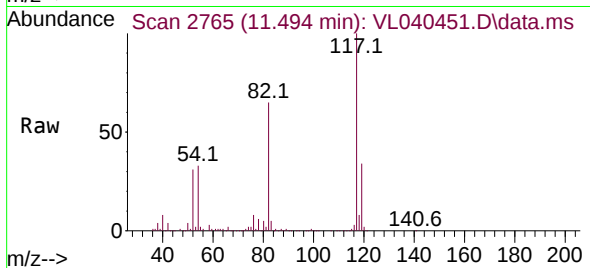
Tgt Ion: 91 Resp: 146336
Ion Ratio Lower Upper
91 100
92 59.8 49.1 73.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. 0.003 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

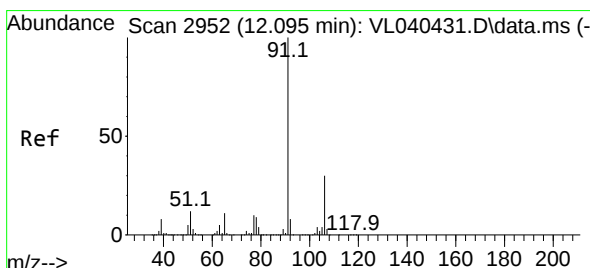
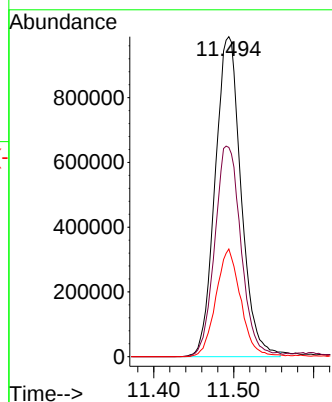
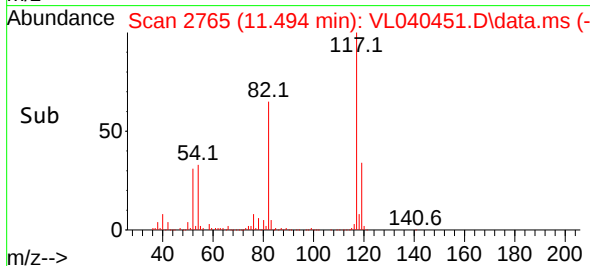
Instrument :
MSVOA_L
ClientSampleId :
SG-4DLDUP



Tgt Ion:117 Resp: 222658
Ion Ratio Lower Upper
117 100
82 66.8 52.5 78.7
119 32.9 24.0 36.0

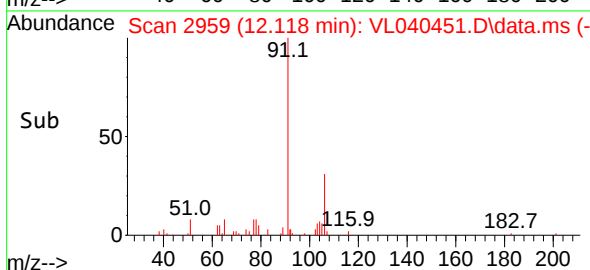
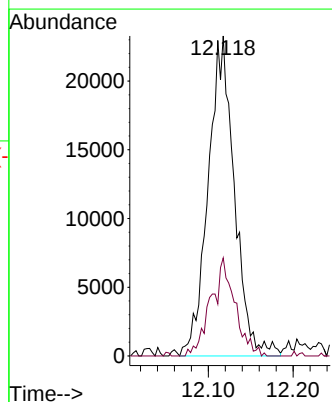
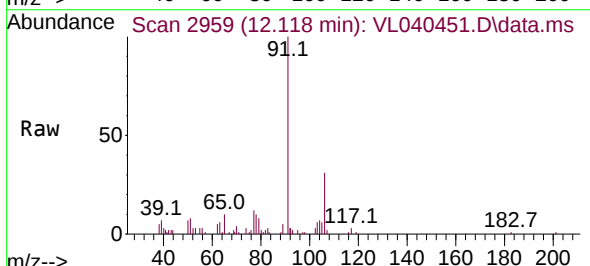
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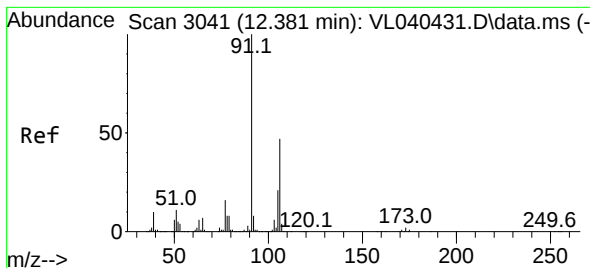
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#58
Ethyl Benzene
Concen: 0.178 ppbv m
RT: 12.118 min Scan# 2959
Delta R.T. 0.007 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

Tgt Ion: 91 Resp: 50282
Ion Ratio Lower Upper
91 100
106 30.7 23.8 35.8





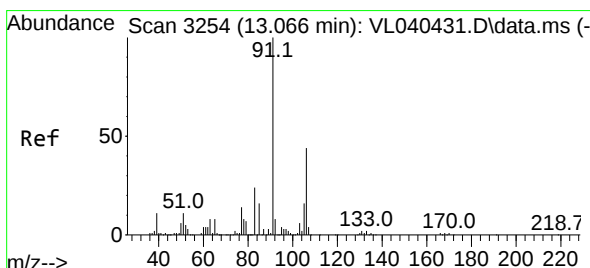
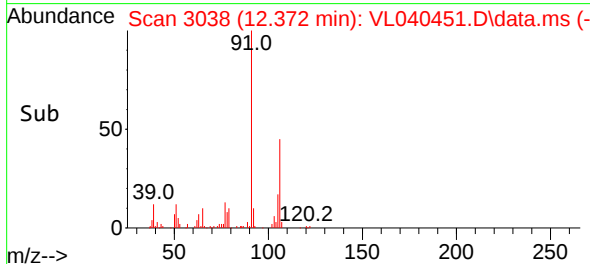
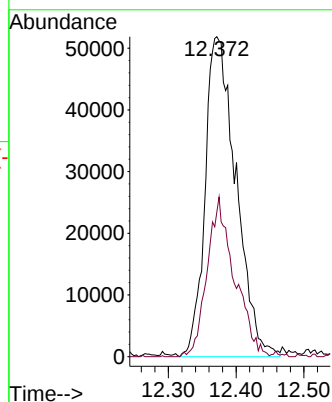
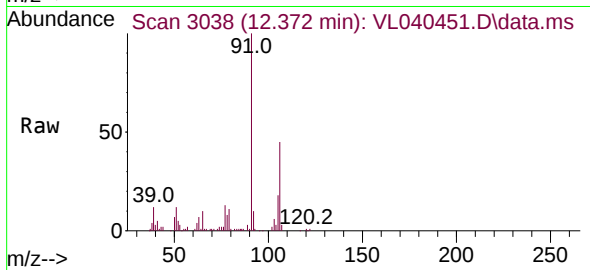
#59
m/p-Xylene
Concen: 0.640 ppbv m
RT: 12.372 min Scan# 3041
Delta R.T. -0.026 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

Instrument :
MSVOA_L
ClientSampleId :
SG-4DLDUP

Tgt Ion: 91 Resp: 164538
Ion Ratio Lower Upper
91 100
106 0.0 34.9 52.3

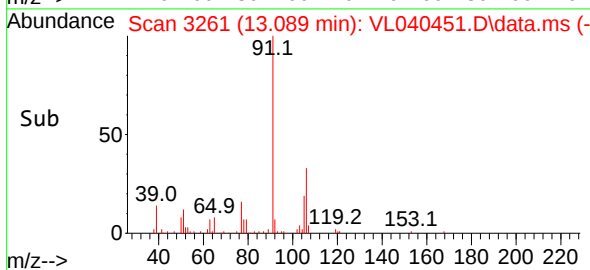
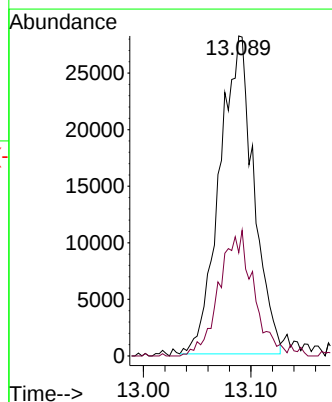
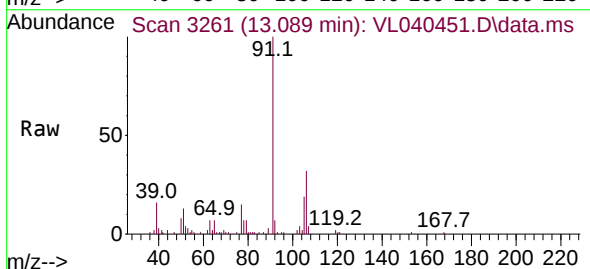
Manual Integrations
APPROVED

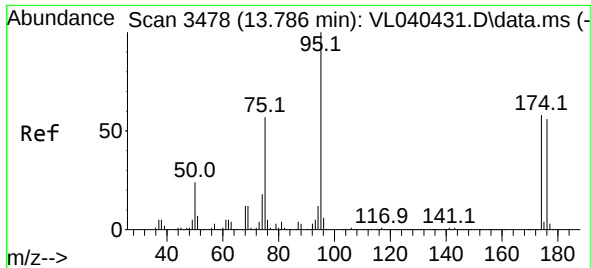
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#60
o-Xylene
Concen: 0.254 ppbv
RT: 13.089 min Scan# 3261
Delta R.T. 0.006 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

Tgt Ion: 91 Resp: 62150
Ion Ratio Lower Upper
91 100
106 40.2 21.8 65.4





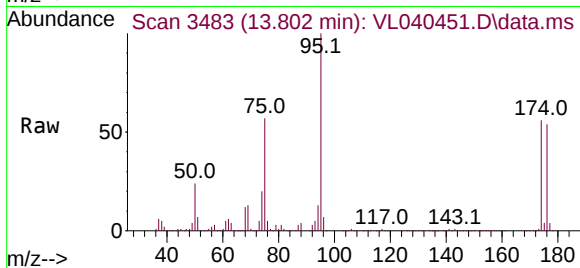
#68
1-Bromo-4-Fluorobenzene
Concen: 10.048 ppbv
RT: 13.802 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

Instrument :

MSVOA_L

ClientSampleId :

SG-4DLDUP

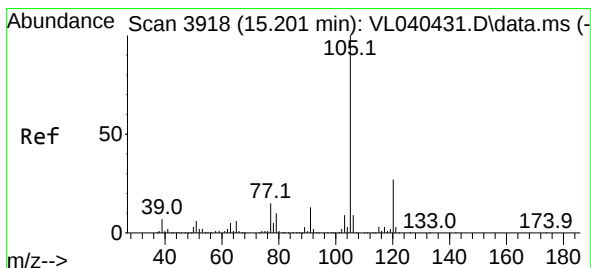
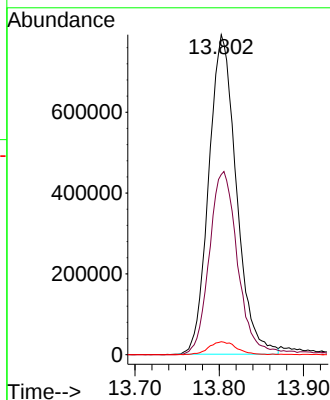
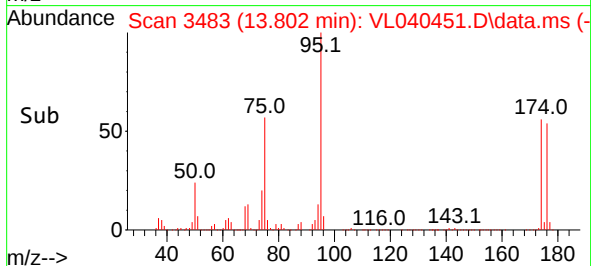


Tgt Ion: 95 Resp: 1798878
Ion Ratio Lower Upper
95 100
174 60.8 47.0 70.6
175 4.2 3.4 5.0

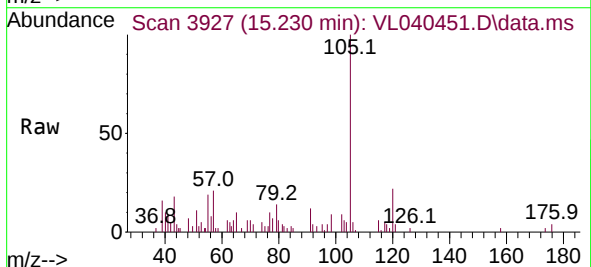
Manual Integrations

APPROVED

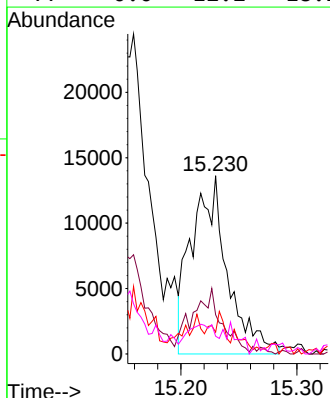
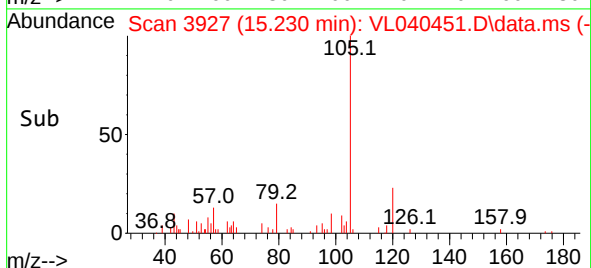
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

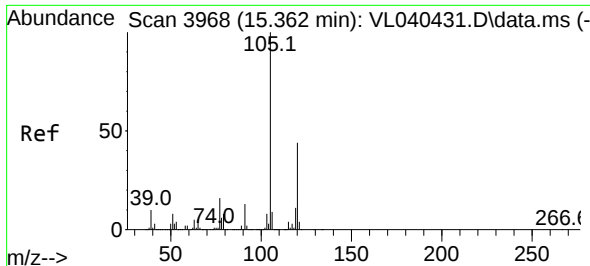


#72
4-Ethyltoluene
Concen: 0.105 ppbv m
RT: 15.230 min Scan# 3927
Delta R.T. 0.010 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56



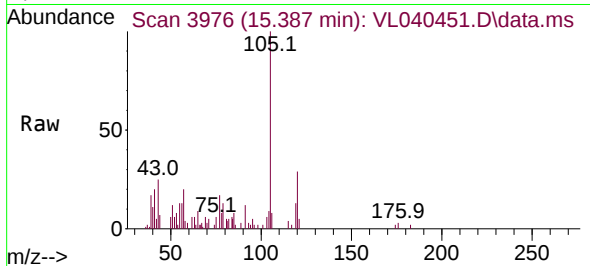
Tgt Ion:105 Resp: 29133
Ion Ratio Lower Upper
105 100
120 0.0 23.8 35.8#
91 0.0 11.0 16.4#
77 0.0 12.2 18.2#





#73
1,3,5-Trimethylbenzene
Concen: 0.119 ppbv m
RT: 15.387 min Scan# 3968
Delta R.T. 0.013 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

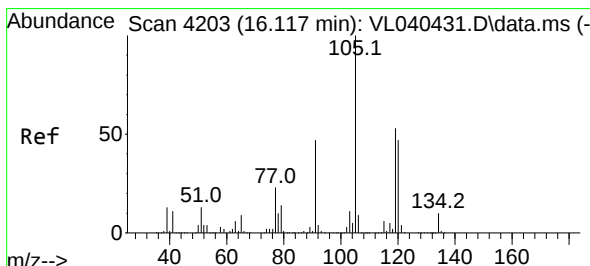
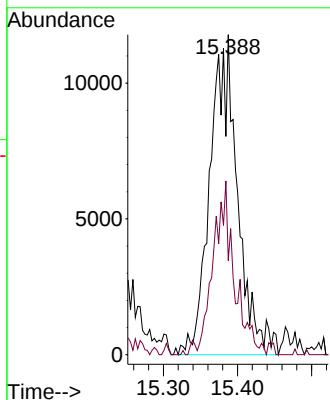
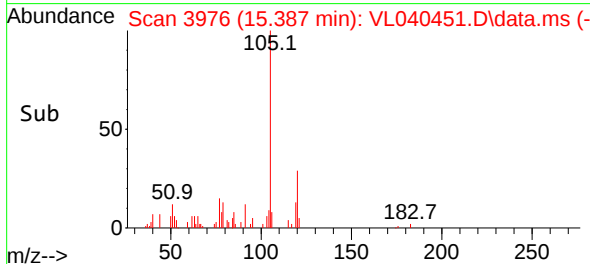
Instrument :
MSVOA_L
ClientSampleId :
SG-4DLDUP



Tgt Ion:105 Resp: 30379
Ion Ratio Lower Upper
105 100
120 29.4 35.2 52.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.258 ppbv
RT: 16.140 min Scan# 4210
Delta R.T. 0.006 min
Lab File: VL040451.D
Acq: 16 May 2023 23:56

Tgt Ion:105 Resp: 75440
Ion Ratio Lower Upper
105 100
120 38.7 38.1 57.1
91 18.0 40.2 60.2#
77 19.3 19.0 28.4

