

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039874.D
 Acq On : 10 Nov 2022 21:54
 Operator : SY/AP
 Sample : N5584-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2022
 Supervised By :Mahesh Dadoda 11/11/2022

Quant Time: Nov 11 05:03:24 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

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

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	757367	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	1673078	10.000	ppbv	# 0.00
55) Chlorobenzene-d5	11.455	117	1604379	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1318047	10.976	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.745	85	77228	0.604	ppbv	98
3) Chlorodifluoromethane	2.690	51	62612m	0.693	ppbv	
4) Chloromethane	2.832	50	24733m	0.440	ppbv	
9) Propene	2.719	41	33431m	0.711	ppbv	
11) Trichlorofluoromethane	3.575	101	2921089	28.011	ppbv	99
13) Ethanol	3.250	45	283797m	85.358	ppbv	
15) Acetone	3.485	43	208165	2.258	ppbv	# 88
19) Isopropyl Alcohol	3.603	45	29937m	0.656	ppbv	
20) Methylene Chloride	3.944	84	211352	6.409	ppbv	95
26) Hexane	5.218	57	153249	1.810	ppbv	# 41
34) 2-Butanone	4.796	43	49476m	0.717	ppbv	
35) Carbon Tetrachloride	6.488	117	7325m	0.075	ppbv	
36) Benzene	6.372	78	30999m	0.220	ppbv	
52) Tetrachloroethene	10.613	164	17109m	0.324	ppbv	
53) Toluene	9.208	91	67073m	0.414	ppbv	
59) m/p-Xylene	12.330	91	25948m	0.143	ppbv	

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

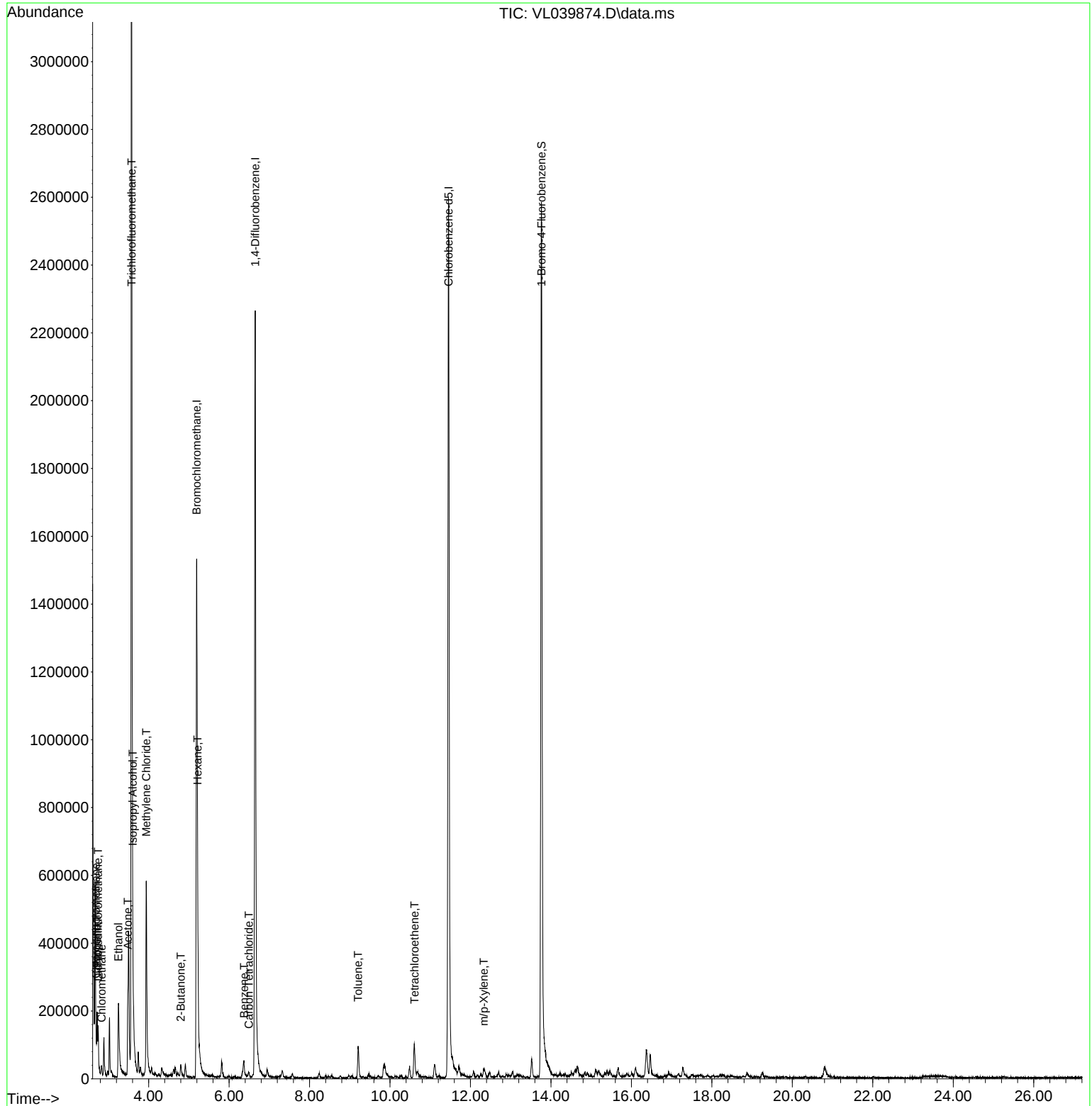
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
Data File : VL039874.D
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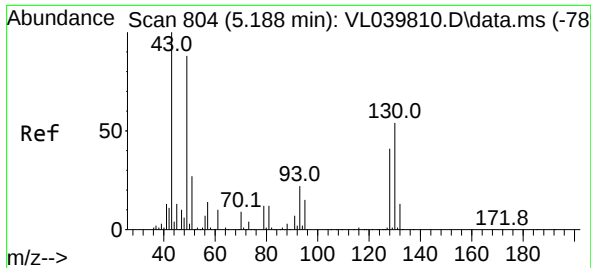
Instrument :
MSVOA_L
ClientSampleId :
IA2

Quant Time: Nov 11 05:03:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Nov 03 09:27:12 2022
Response via : Initial Calibration

Manual Integrations
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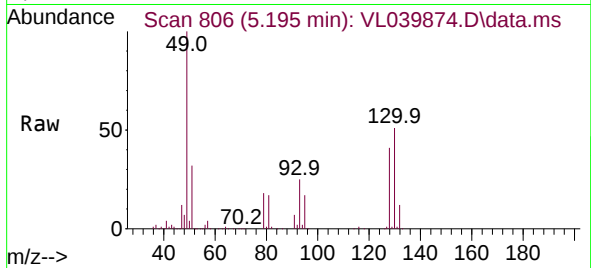
Reviewed By : Semsettin Yesilyurt 11/11/2022
Supervised By : Mahesh Dadoda 11/11/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 804
Delta R.T. 0.007 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

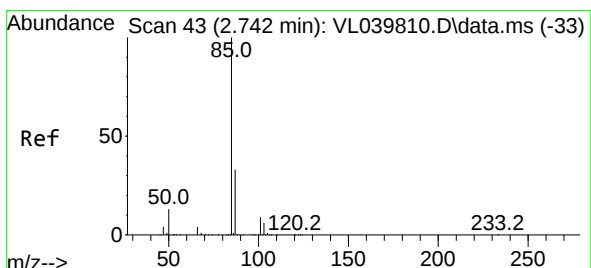
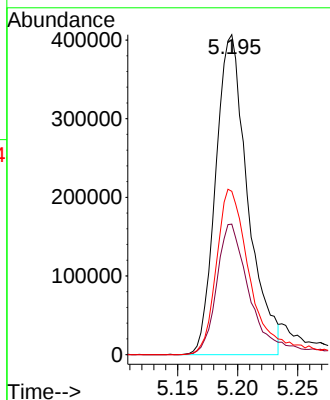
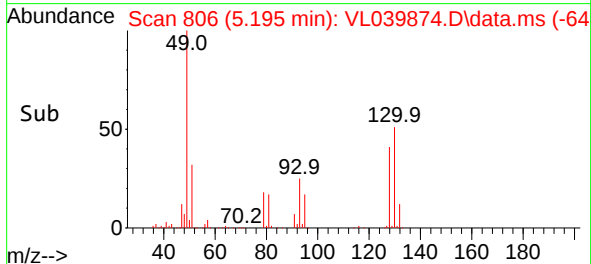
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 49 Resp: 757362
Ion Ratio Lower Upper
49 100
128 44.4 24.6 73.6
130 57.7 31.1 93.2

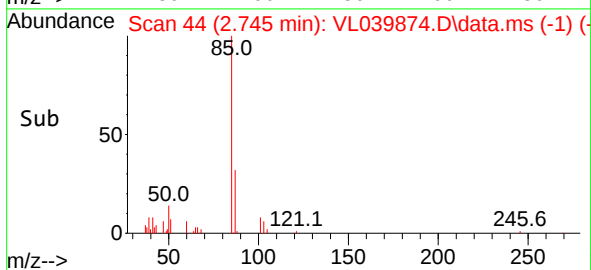
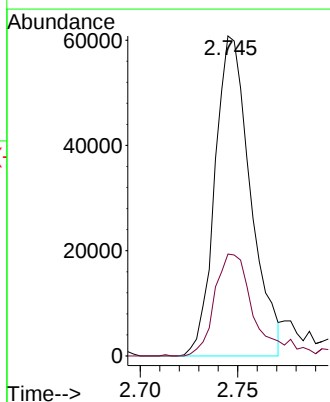
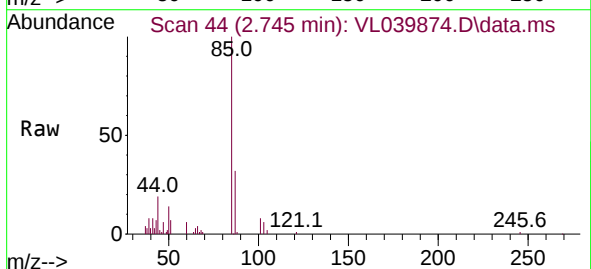
Manual Integrations
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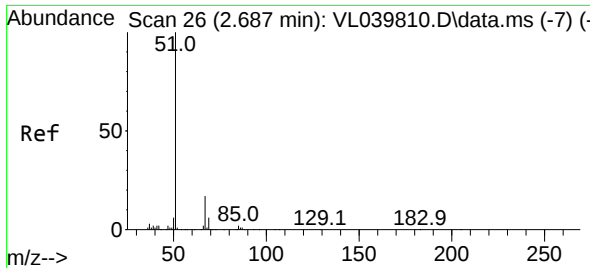
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#2
Dichlorodifluoromethane
Concen: 0.604 ppbv
RT: 2.745 min Scan# 44
Delta R.T. 0.003 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Tgt Ion: 85 Resp: 77228
Ion Ratio Lower Upper
85 100
87 31.9 26.4 39.6





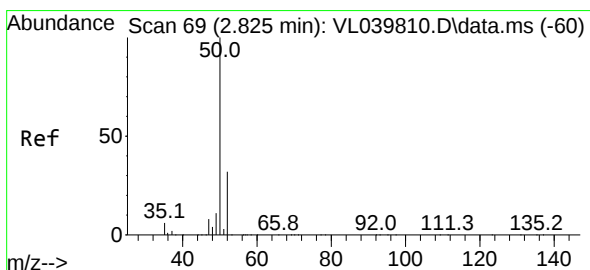
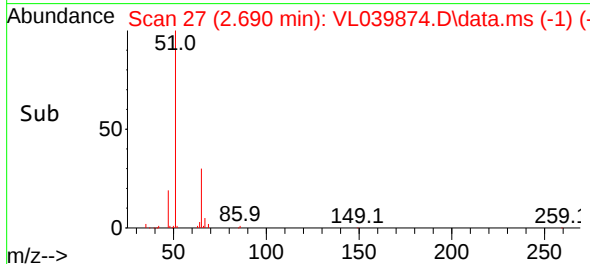
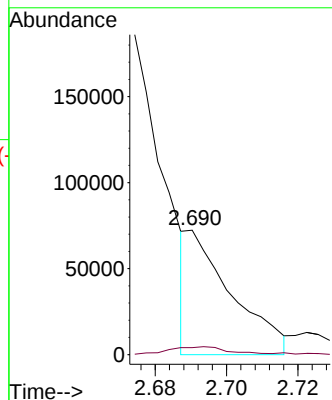
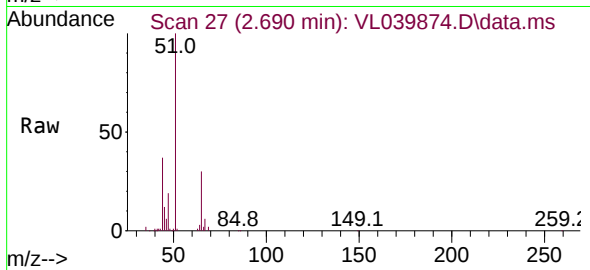
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Chlorodifluoromethane
Concen: 0.693 ppbv m
RT: 2.690 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 51 Resp: 62612
Ion Ratio Lower Upper
51 100
67 10.5 13.2 19.8

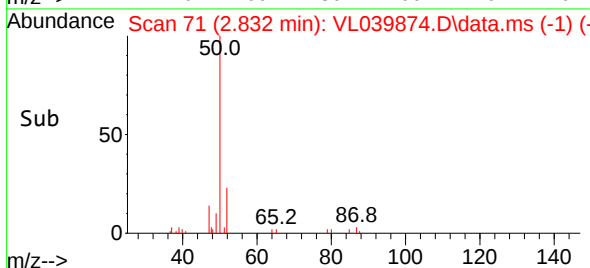
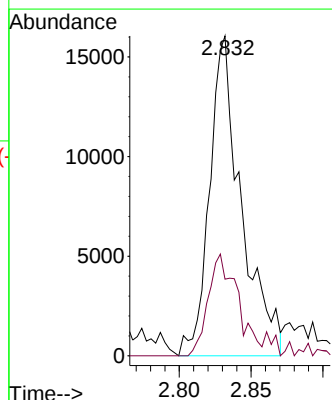
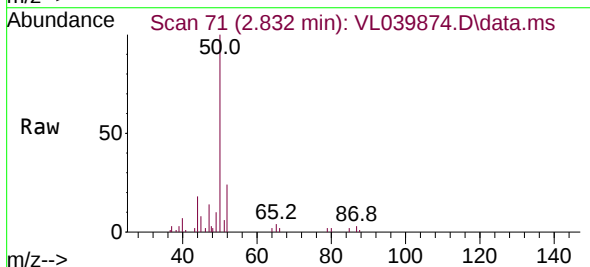
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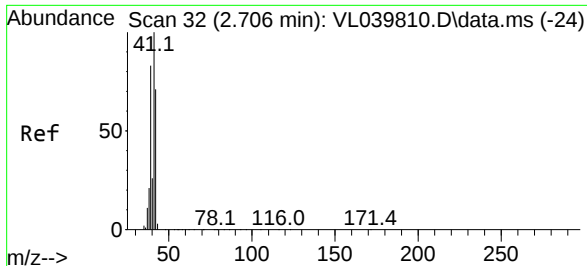
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#4
Chloromethane
Concen: 0.440 ppbv m
RT: 2.832 min Scan# 71
Delta R.T. 0.007 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Tgt Ion: 50 Resp: 24733
Ion Ratio Lower Upper
50 100
52 24.0 25.5 38.3





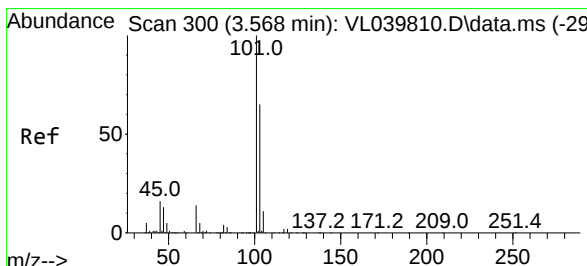
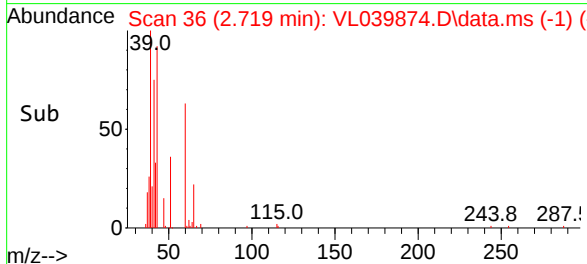
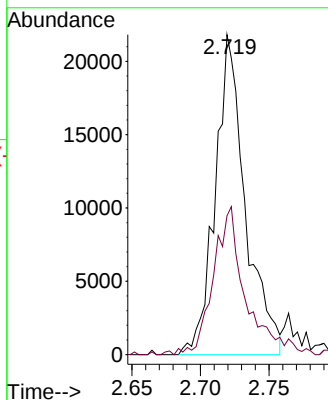
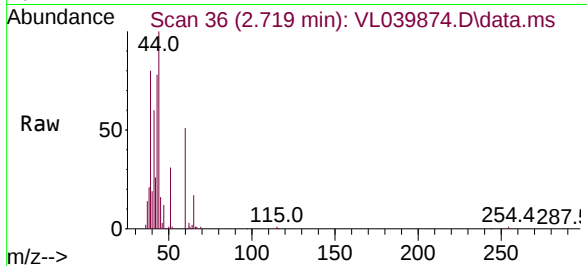
#9
Propene
Concen: 0.711 ppbv m
RT: 2.719 min Scan# 30
Delta R.T. 0.013 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 41 Resp: 3343
Ion Ratio Lower Upper
41 100
42 50.3 56.3 84.5

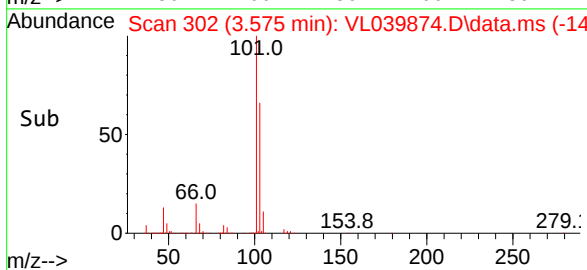
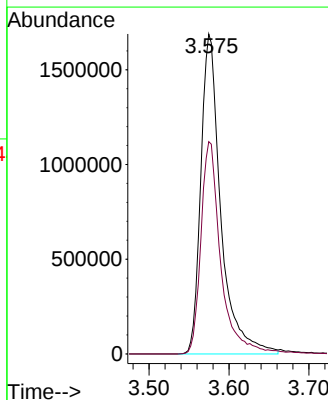
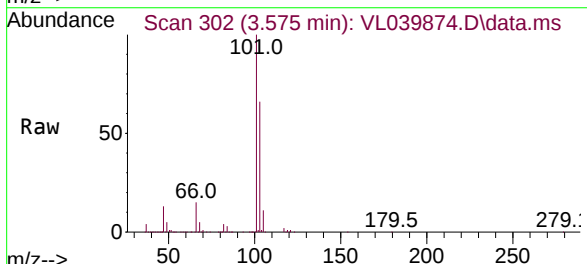
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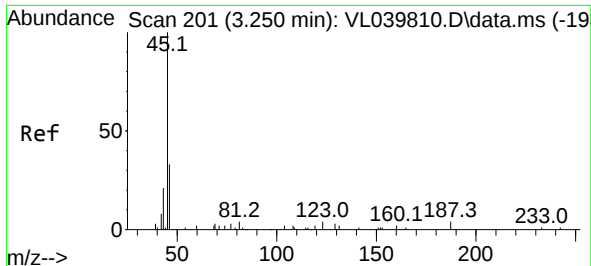
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#11
Trichlorofluoromethane
Concen: 28.011 ppbv
RT: 3.575 min Scan# 302
Delta R.T. 0.007 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

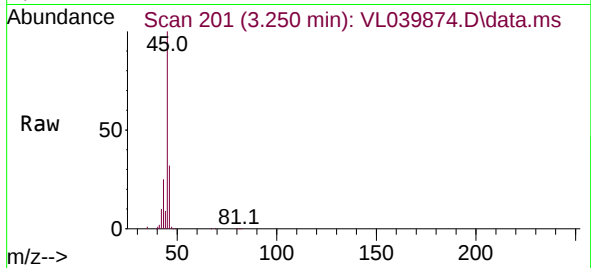
Tgt Ion:101 Resp: 2921089
Ion Ratio Lower Upper
101 100
103 66.3 52.2 78.2





#13
Ethanol
Concen: 85.358 ppbv m
RT: 3.250 min Scan# 201
Delta R.T. 0.000 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

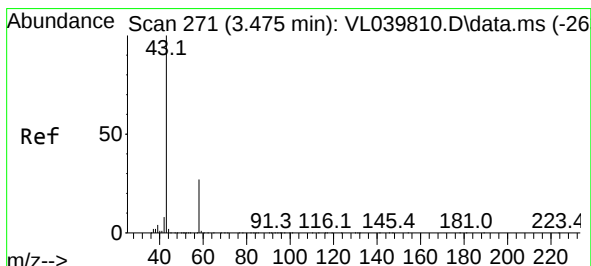
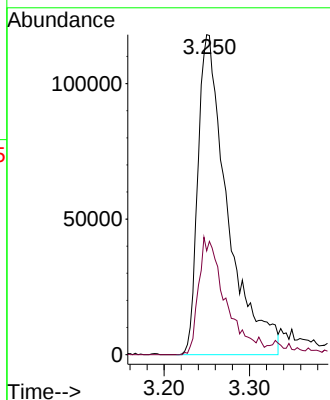
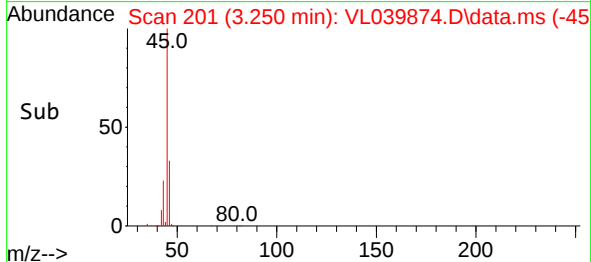
Instrument :
MSVOA_L
ClientSampleId :
IA2



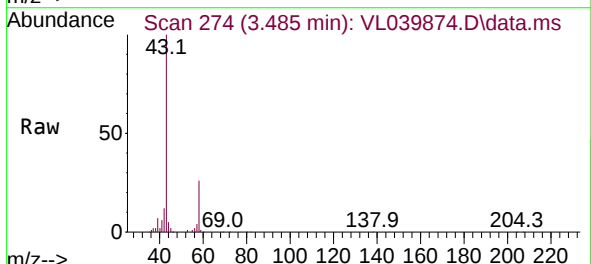
Tgt Ion: 45 Resp: 283792
Ion Ratio Lower Upper
45 100
46 38.0 16.5 65.9

Manual Integrations
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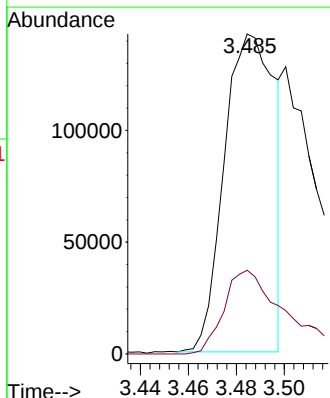
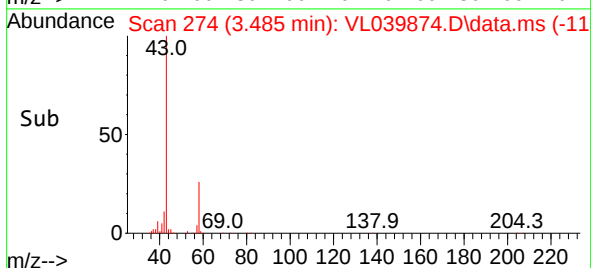
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

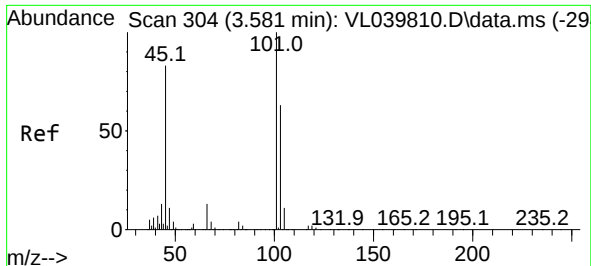


#15
Acetone
Concen: 2.258 ppbv
RT: 3.485 min Scan# 274
Delta R.T. 0.010 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54



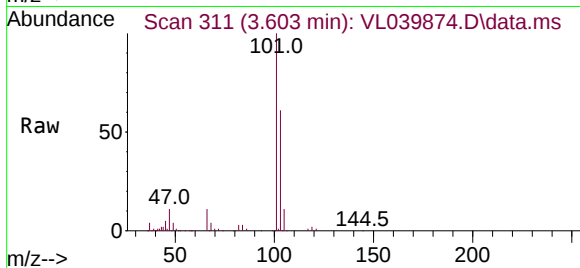
Tgt Ion: 43 Resp: 208165
Ion Ratio Lower Upper
43 100
58 35.3 23.2 34.8#





#19
Isopropyl Alcohol
Concen: 0.656 ppbv m
RT: 3.603 min Scan# 311
Delta R.T. 0.023 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

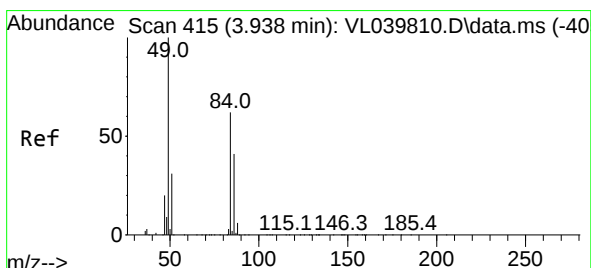
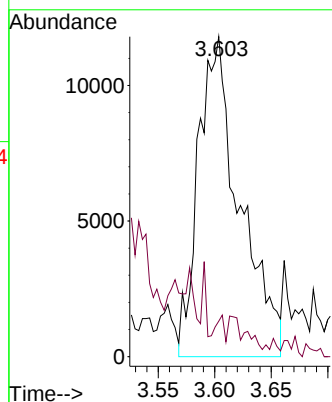
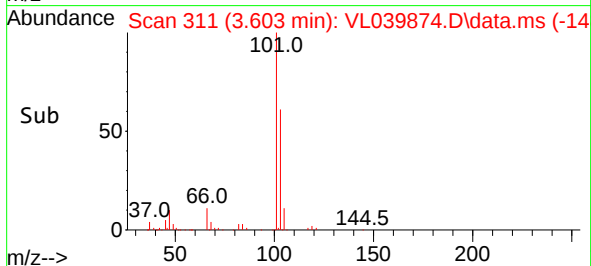
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 45 Resp: 2993
Ion Ratio Lower Upper
45 100
58 16.4 38.3 57.5

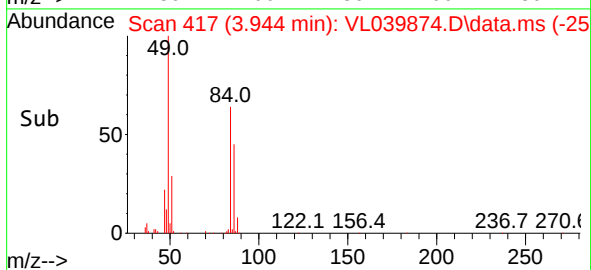
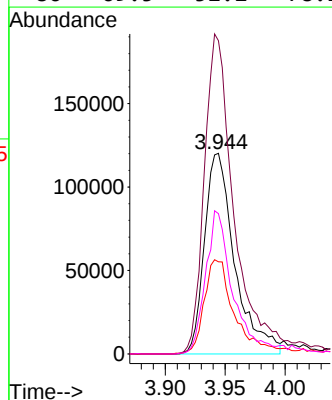
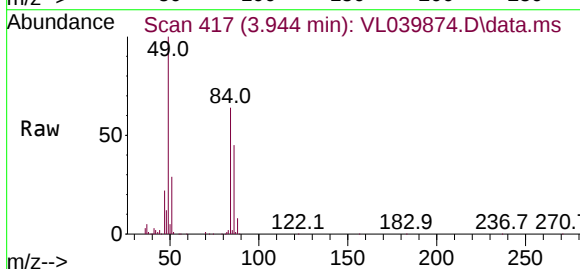
Manual Integrations
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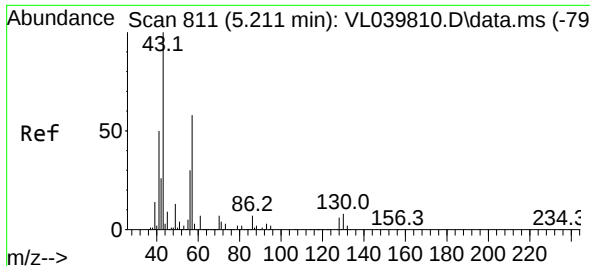
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#20
Methylene Chloride
Concen: 6.409 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.007 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

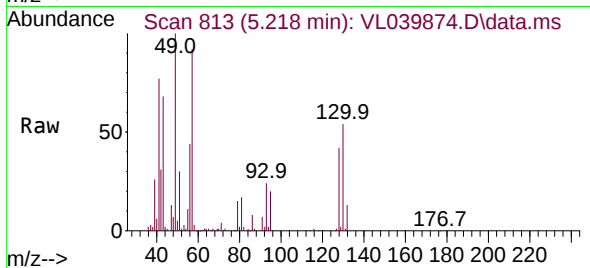
Tgt Ion: 84 Resp: 211352
Ion Ratio Lower Upper
84 100
49 155.7 128.6 192.8
51 45.6 40.2 60.4
86 69.5 52.2 78.2





#26
Hexane
Concen: 1.810 ppbv
RT: 5.218 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

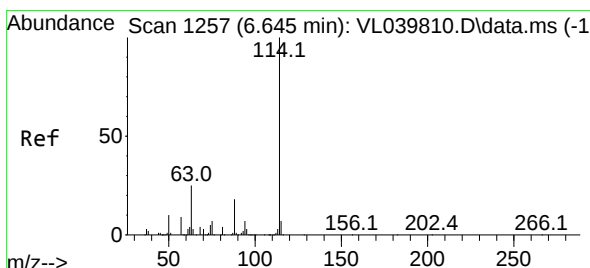
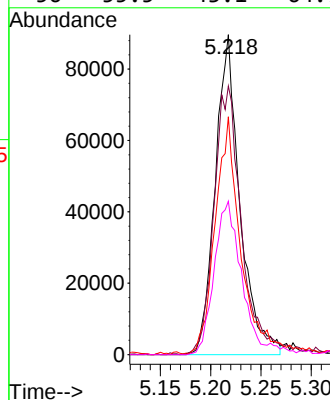
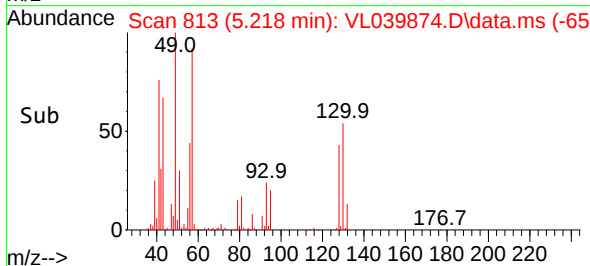
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 57 Resp: 153249
Ion Ratio Lower Upper
57 100
41 95.6 73.7 110.5
43 80.2 189.8 284.8
56 55.5 43.1 64.7

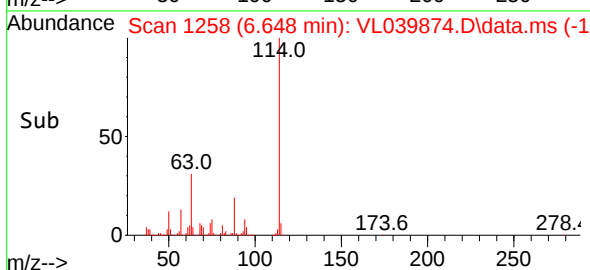
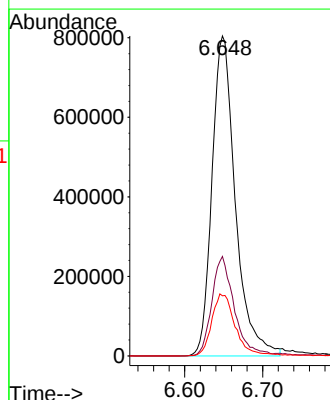
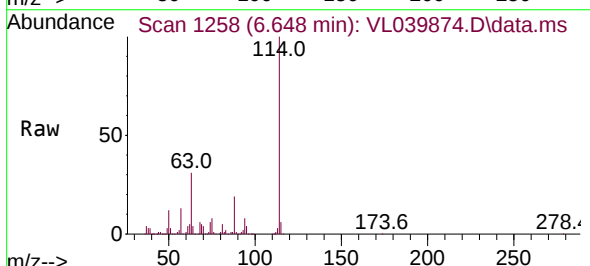
Manual Integrations
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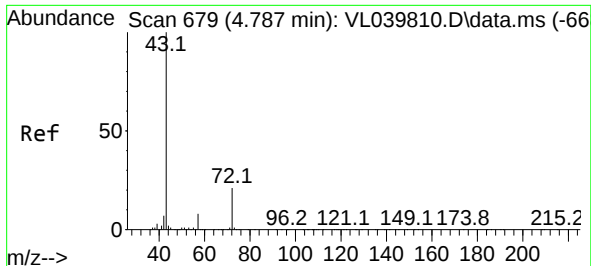
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

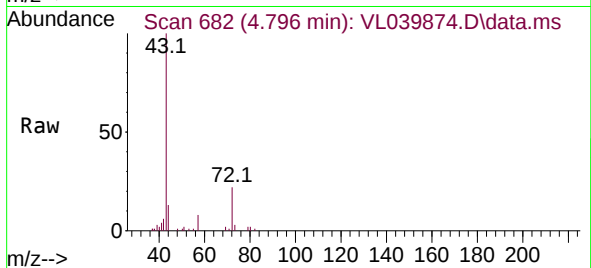
Tgt Ion:114 Resp: 1673078
Ion Ratio Lower Upper
114 100
63 30.8 19.8 29.6
88 19.6 14.4 21.6





#34
2-Butanone
Concen: 0.717 ppbv m
RT: 4.796 min Scan# 681
Delta R.T. 0.010 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

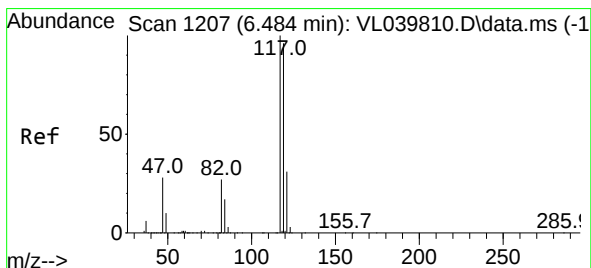
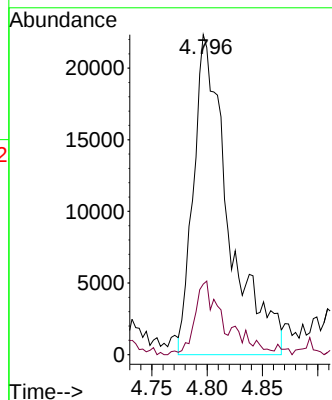
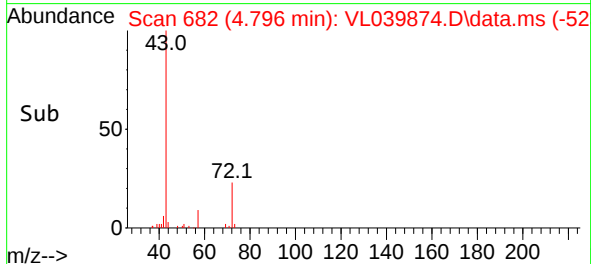
Instrument :
MSVOA_L
ClientSampleId :
IA2



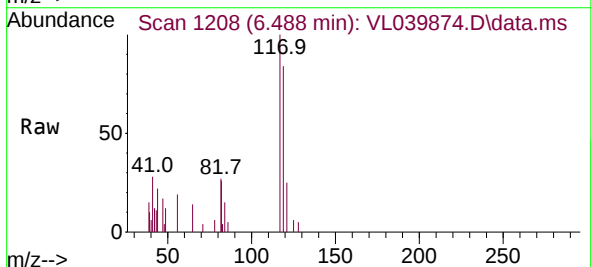
Tgt Ion: 43 Resp: 49476
Ion Ratio Lower Upper
43 100
72 20.5 17.5 26.3

Manual Integrations
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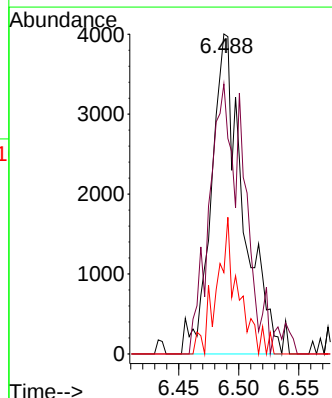
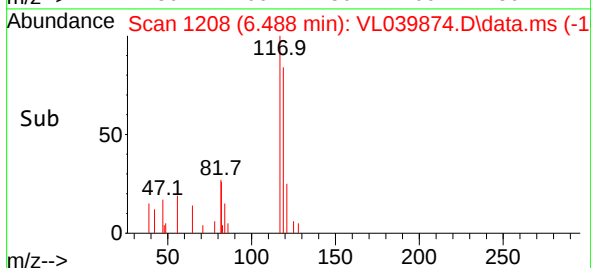
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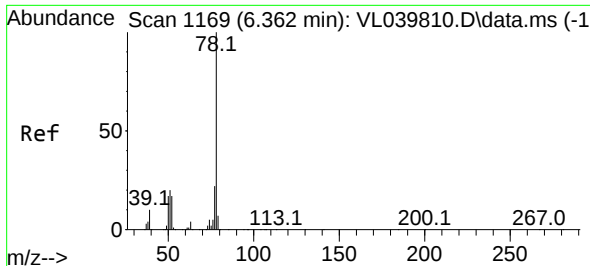


#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 6.488 min Scan# 1208
Delta R.T. 0.003 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54



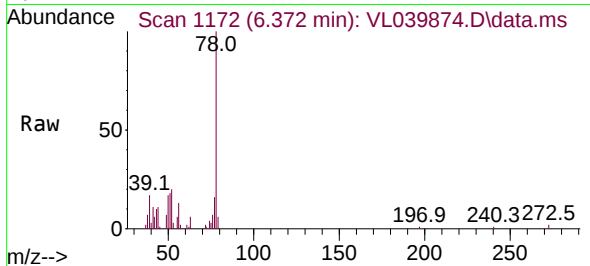
Tgt Ion:117 Resp: 7325
Ion Ratio Lower Upper
117 100
119 84.3 76.5 114.7
121 25.4 25.2 37.8





#36
Benzene
Concen: 0.220 ppbv m
RT: 6.372 min Scan# 1169
Delta R.T. 0.010 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

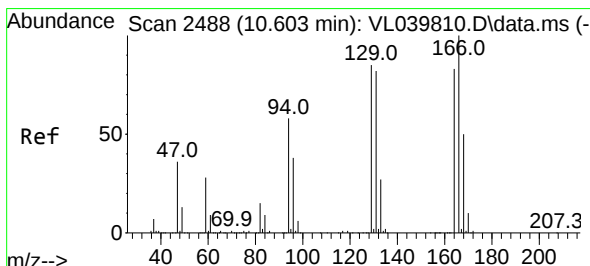
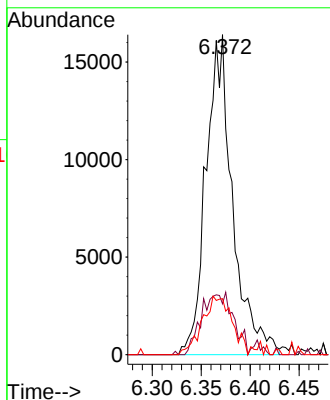
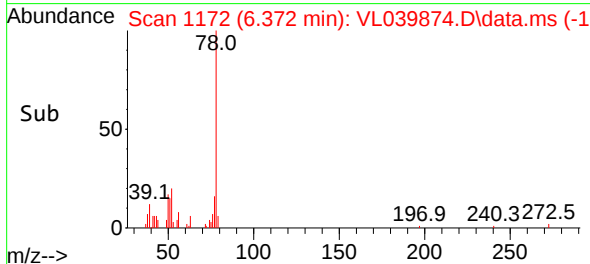
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 78 Resp: 30999
Ion Ratio Lower Upper
78 100
77 15.9 17.4 26.2
50 17.5 13.9 20.9

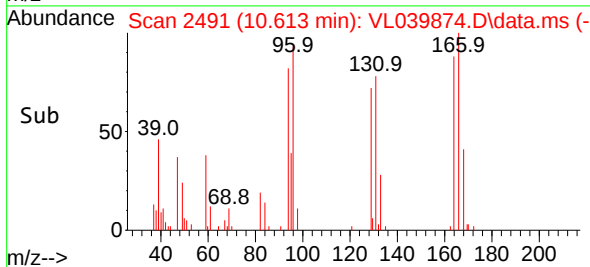
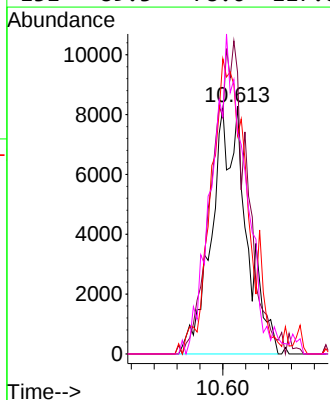
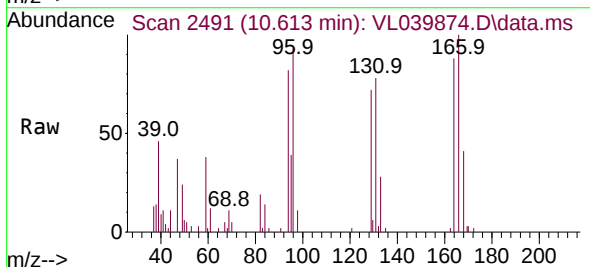
Manual Integrations
APPROVED

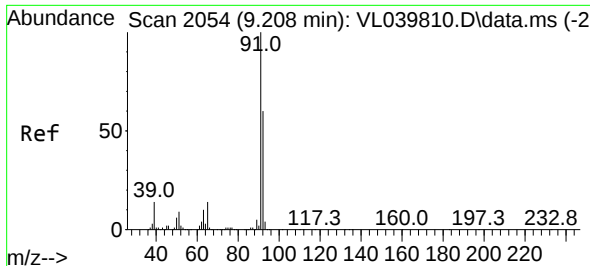
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#52
Tetrachloroethene
Concen: 0.324 ppbv m
RT: 10.613 min Scan# 2491
Delta R.T. 0.010 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

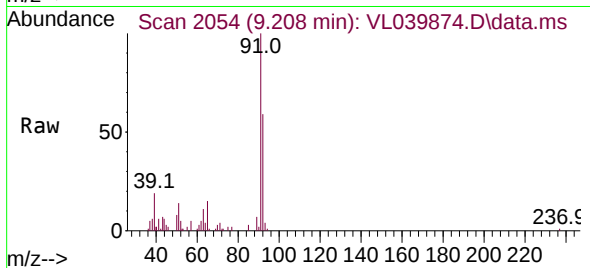
Tgt Ion:164 Resp: 17109
Ion Ratio Lower Upper
164 100
166 113.8 96.0 144.0
129 81.6 81.4 122.2
131 89.3 78.6 117.8





#53
Toluene
Concen: 0.414 ppbv m
RT: 9.208 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

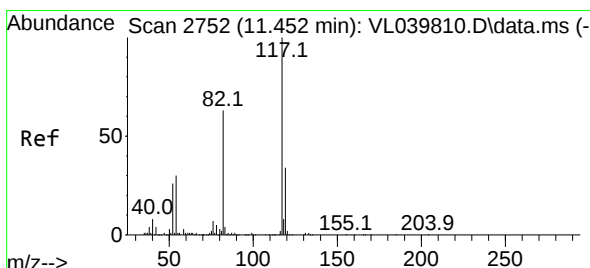
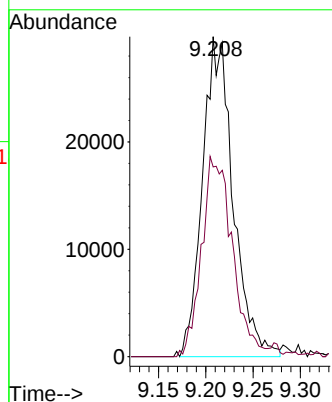
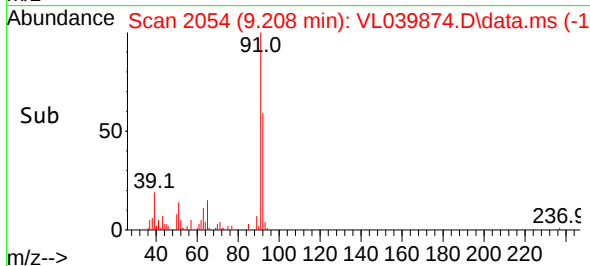
Instrument :
MSVOA_L
ClientSampleId :
IA2



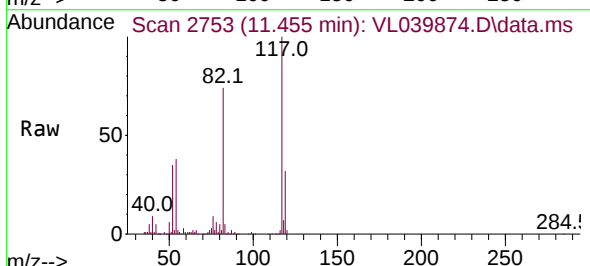
Tgt Ion: 91 Resp: 67073
Ion Ratio Lower Upper
91 100
92 0.0 49.6 74.4

Manual Integrations
APPROVED

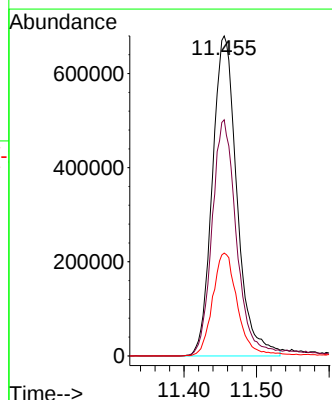
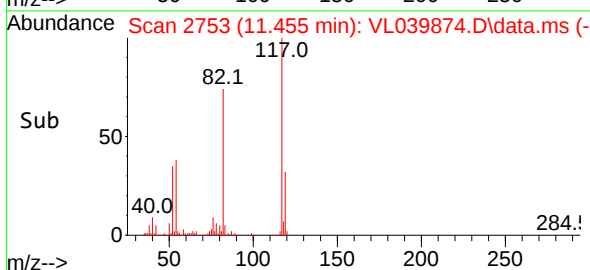
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

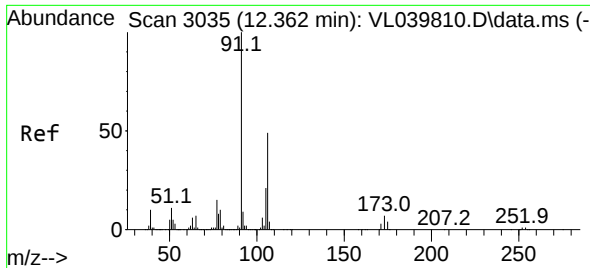


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. 0.003 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54



Tgt Ion:117 Resp: 1604379
Ion Ratio Lower Upper
117 100
82 75.3 51.0 76.6
119 32.9 24.7 37.1





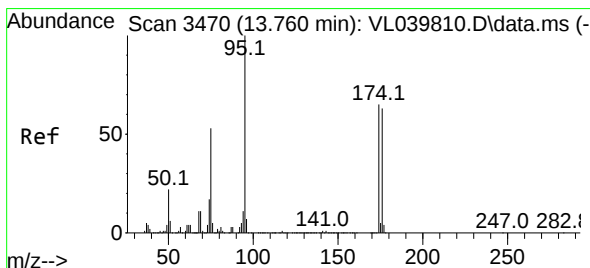
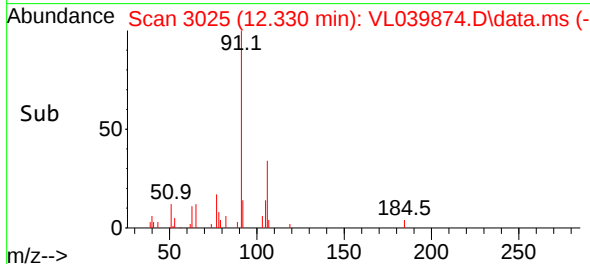
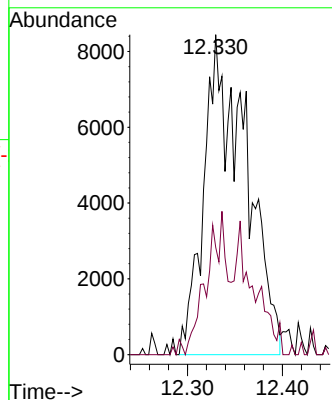
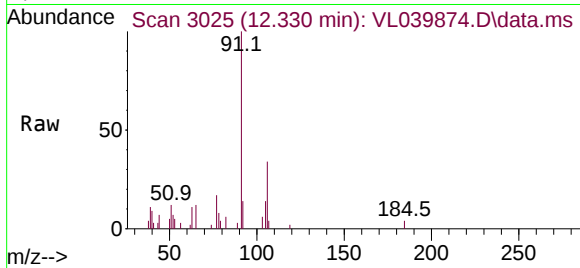
#59
m/p-Xylene
Concen: 0.143 ppbv m
RT: 12.330 min Scan# 3035
Delta R.T. -0.032 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 91 Resp: 25948
Ion Ratio Lower Upper
91 100
106 0.0 37.6 56.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.976 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.003 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Tgt Ion: 95 Resp: 1318047
Ion Ratio Lower Upper
95 100
174 57.7 53.4 80.0
175 4.3 4.1 6.1

