

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039871.D
 Acq On : 10 Nov 2022 19:55
 Operator : SY/AP
 Sample : N5584-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 05:02:31 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	5.192	49	888449	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	1906323	10.000	ppbv	# 0.00
55) Chlorobenzene-d5	11.452	117	1731686	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1385477	10.689	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	50600	0.337	ppbv	94
3) Chlorodifluoromethane	2.694	51	41818m	0.395	ppbv	
4) Chloromethane	2.829	50	26360m	0.400	ppbv	
9) Propene	2.719	41	38404	0.696	ppbv	# 74
11) Trichlorofluoromethane	3.581	101	32115m	0.263	ppbv	
13) Ethanol	3.250	45	1437589	368.589	ppbv	93
15) Acetone	3.478	43	782051	7.232	ppbv	99
19) Isopropyl Alcohol	3.594	45	68176m	1.274	ppbv	
20) Methylene Chloride	3.941	84	762616	19.712	ppbv	91
26) Hexane	5.218	57	337318	3.396	ppbv	# 44
34) 2-Butanone	4.796	43	21424	0.272	ppbv	94
35) Carbon Tetrachloride	6.491	117	7559m	0.068	ppbv	
36) Benzene	6.365	78	34201	0.213	ppbv	# 85
44) 2,2,4-Trimethylpentane	7.330	57	29733m	0.110	ppbv	
52) Tetrachloroethene	10.606	164	1931m	0.032	ppbv	
53) Toluene	9.211	91	80965m	0.439	ppbv	
59) m/p-Xylene	12.340	91	38349m	0.196	ppbv	

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

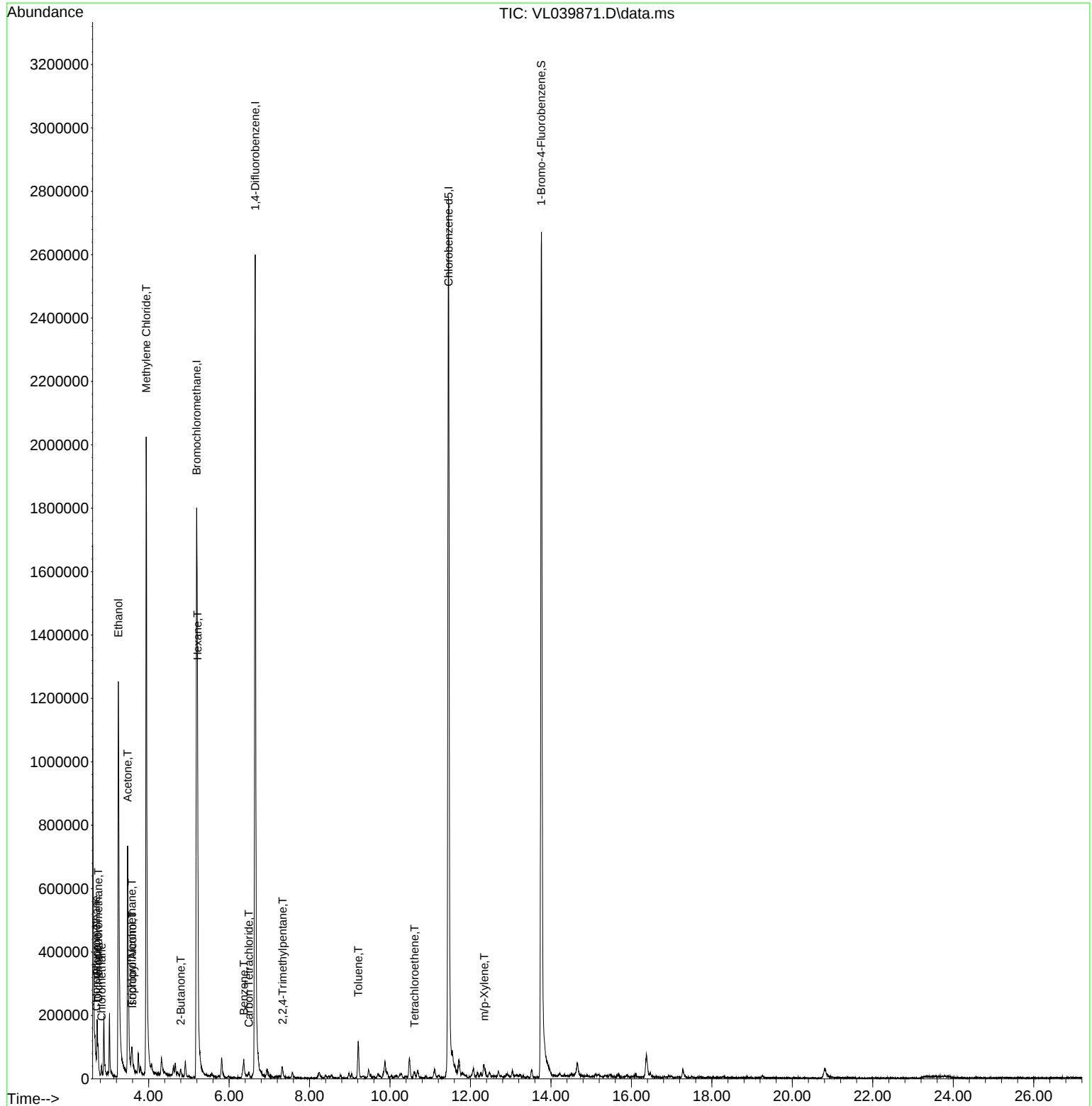
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
Data File : VL039871.D
Acq On : 10 Nov 2022 19:55
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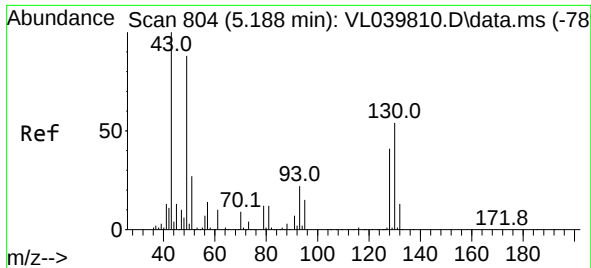
Instrument :
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ClientSampleId :
IA1

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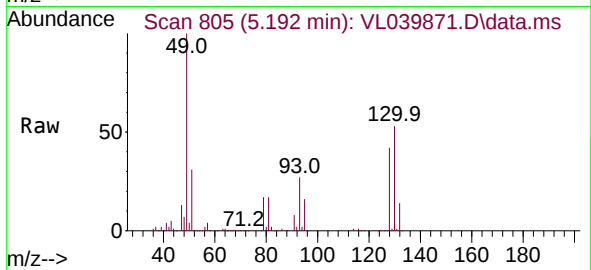
Quant Time: Nov 11 05:02:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Nov 03 09:27:12 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 804
Delta R.T. 0.004 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

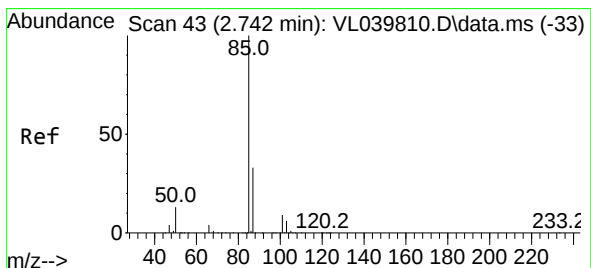
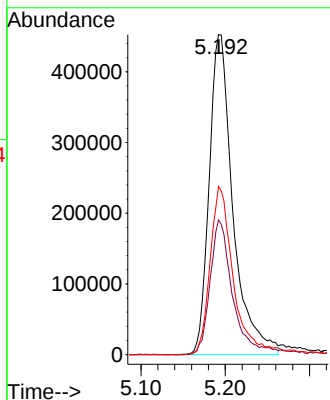
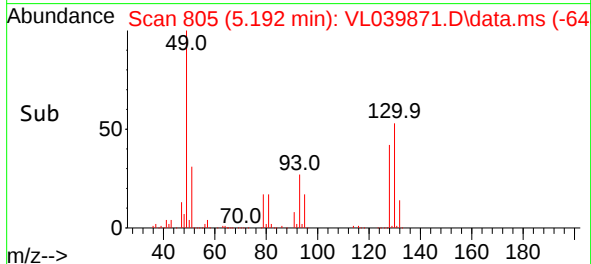
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 888449
Ion Ratio Lower Upper
49 100
128 40.8 24.6 73.6
130 53.2 31.1 93.2

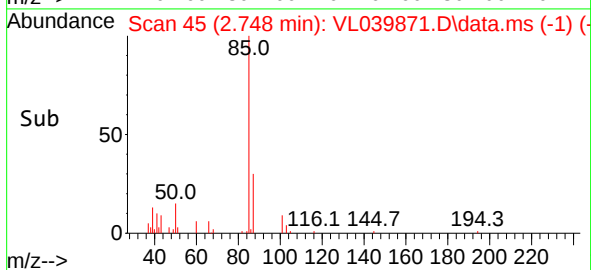
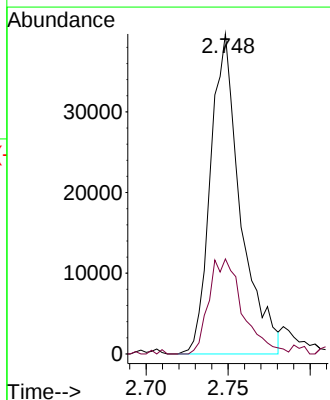
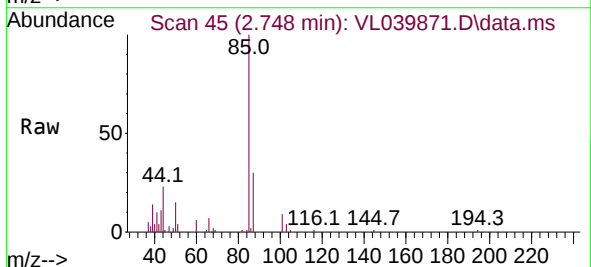
Manual Integrations
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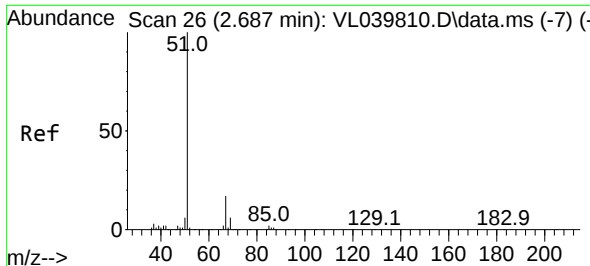
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#2
Dichlorodifluoromethane
Concen: 0.337 ppbv
RT: 2.748 min Scan# 45
Delta R.T. 0.007 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

Tgt Ion: 85 Resp: 50600
Ion Ratio Lower Upper
85 100
87 29.7 26.4 39.6





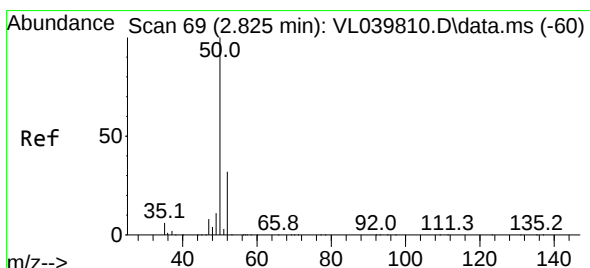
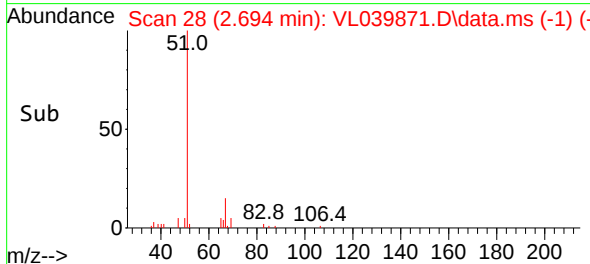
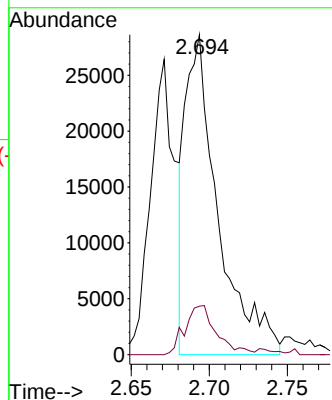
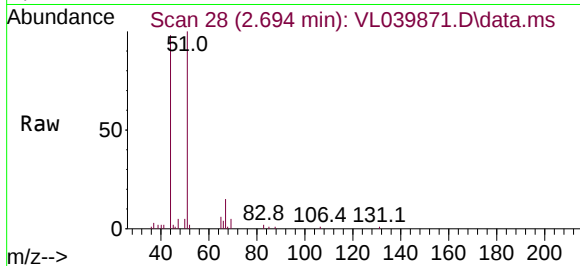
#3
Chlorodifluoromethane
Concen: 0.395 ppbv m
RT: 2.694 min Scan# 28
Delta R.T. 0.007 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 41818
Ion Ratio Lower Upper
51 100
67 15.9 13.2 19.8

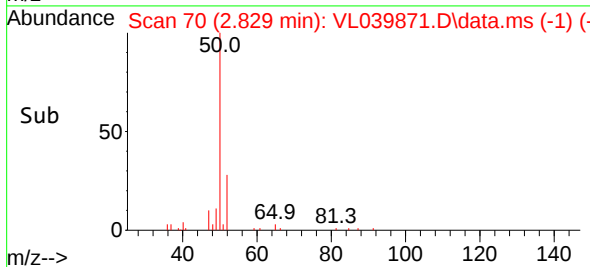
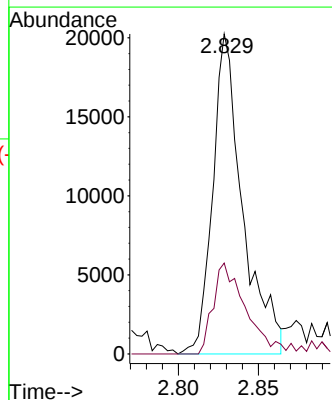
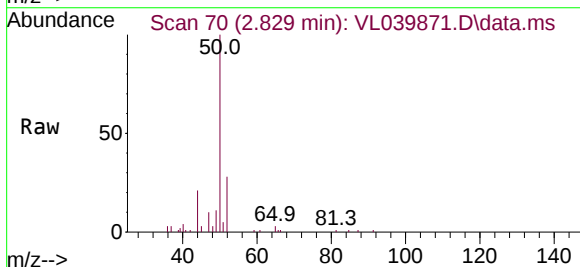
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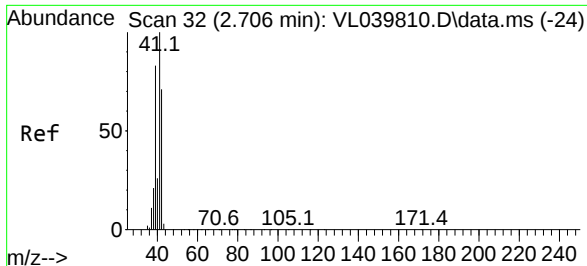
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#4
Chloromethane
Concen: 0.400 ppbv m
RT: 2.829 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

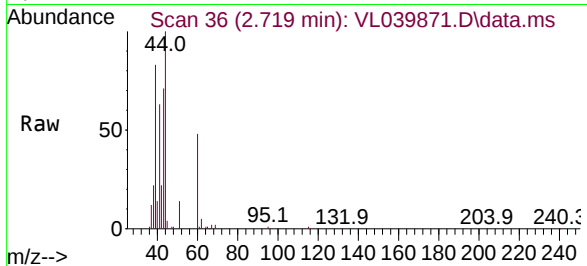
Tgt Ion: 50 Resp: 26360
Ion Ratio Lower Upper
50 100
52 28.4 25.5 38.3





#9
 Propene
 Concen: 0.696 ppbv
 RT: 2.719 min Scan# 304
 Delta R.T. 0.013 min
 Lab File: VL039871.D
 Acq: 10 Nov 2022 19:55

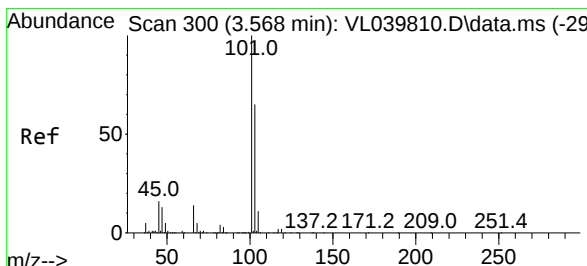
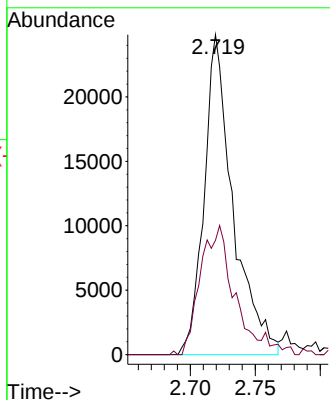
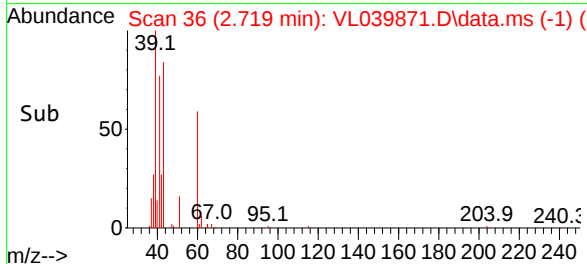
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 41 Resp: 38404
 Ion Ratio Lower Upper
 41 100
 42 49.2 56.3 84.5

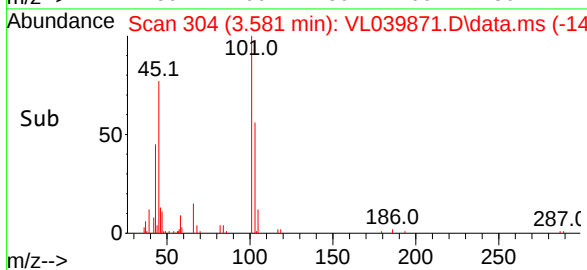
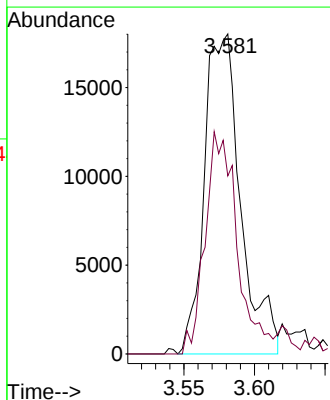
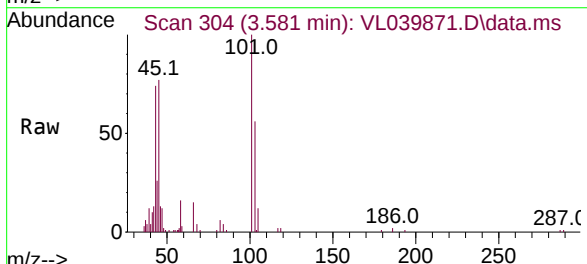
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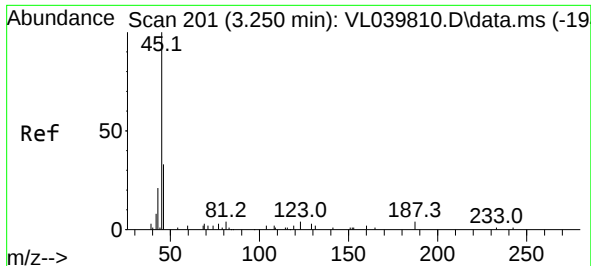
Reviewed By :Semsettin Yesilyurt 11/11/2022
 Supervised By :Mahesh Dadoda 11/11/2022



#11
 Trichlorofluoromethane
 Concen: 0.263 ppbv m
 RT: 3.581 min Scan# 304
 Delta R.T. 0.013 min
 Lab File: VL039871.D
 Acq: 10 Nov 2022 19:55

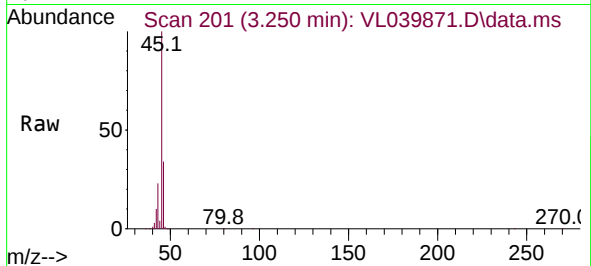
Tgt Ion:101 Resp: 32115
 Ion Ratio Lower Upper
 101 100
 103 55.6 52.2 78.2





#13
Ethanol
Concen: 368.589 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.000 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

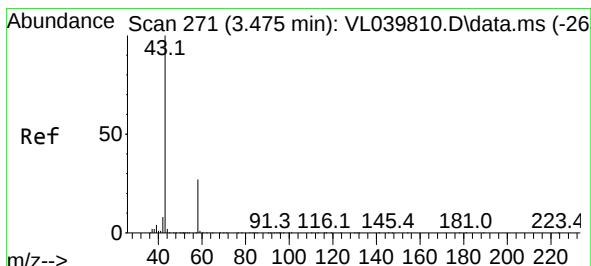
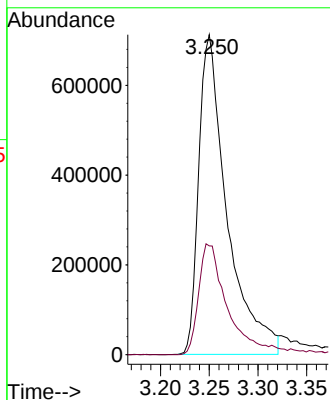
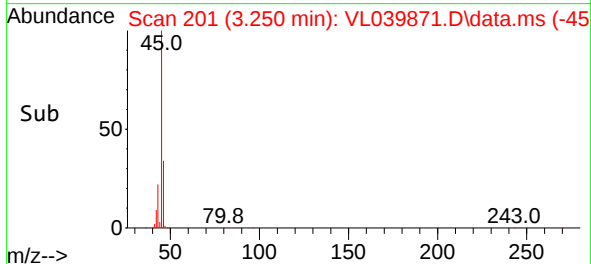
Instrument :
MSVOA_L
ClientSampleId :
IA1



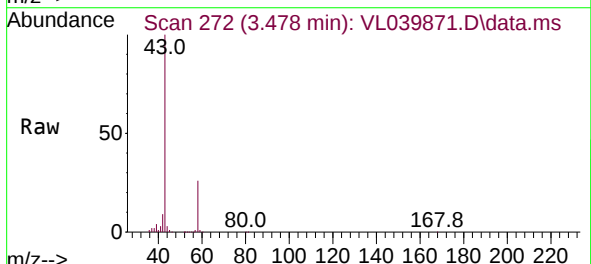
Tgt Ion: 45 Resp: 1437589
Ion Ratio Lower Upper
45 100
46 36.7 16.5 65.9

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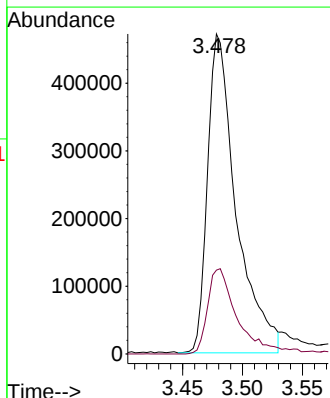
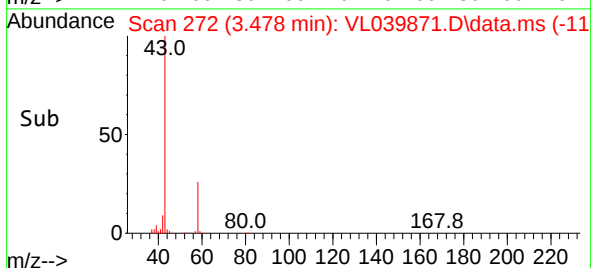
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

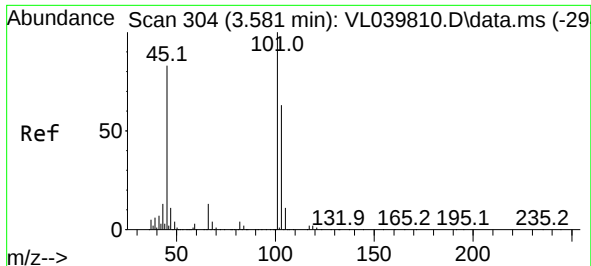


#15
Acetone
Concen: 7.232 ppbv
RT: 3.478 min Scan# 272
Delta R.T. 0.003 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55



Tgt Ion: 43 Resp: 782051
Ion Ratio Lower Upper
43 100
58 28.2 23.2 34.8





#19

Isopropyl Alcohol

Concen: 1.274 ppbv m

RT: 3.594 min Scan# 304

Delta R.T. 0.013 min

Lab File: VL039871.D

Acq: 10 Nov 2022 19:55

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 45 Resp: 68176

Ion Ratio Lower Upper

45 100

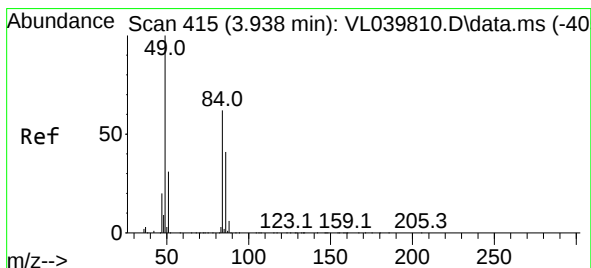
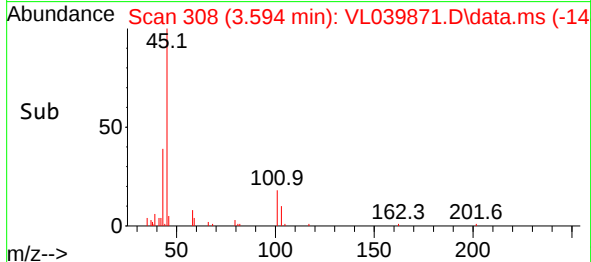
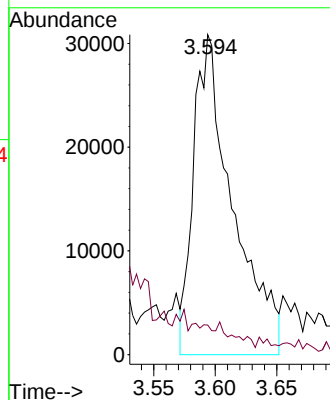
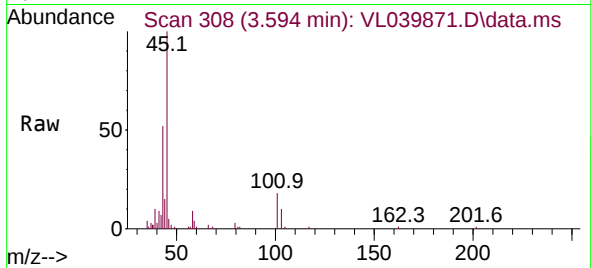
58 10.8 38.3 57.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/11/2022

Supervised By :Mahesh Dadoda 11/11/2022



#20

Methylene Chloride

Concen: 19.712 ppbv

RT: 3.941 min Scan# 416

Delta R.T. 0.003 min

Lab File: VL039871.D

Acq: 10 Nov 2022 19:55

Tgt Ion: 84 Resp: 762616

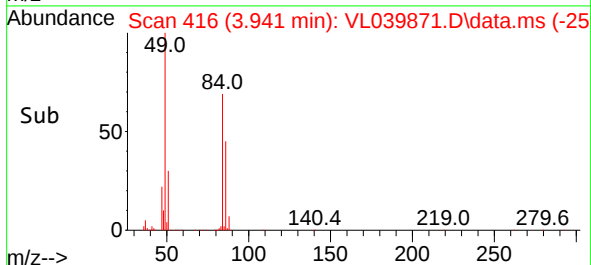
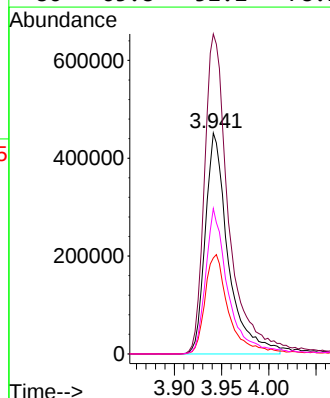
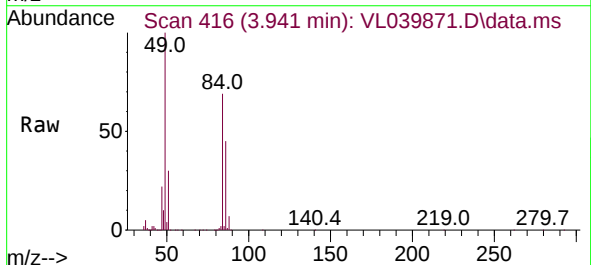
Ion Ratio Lower Upper

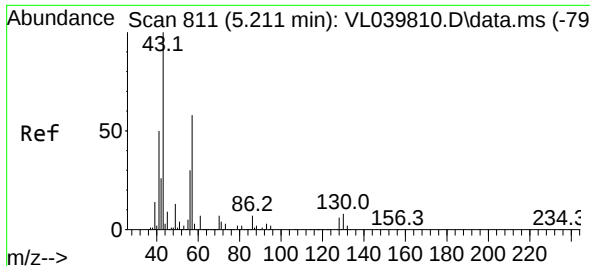
84 100

49 144.9 128.6 192.8

51 43.4 40.2 60.4

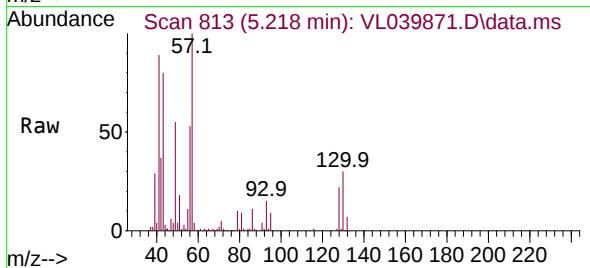
86 65.8 52.2 78.2





#26
Hexane
Concen: 3.396 ppbv
RT: 5.218 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

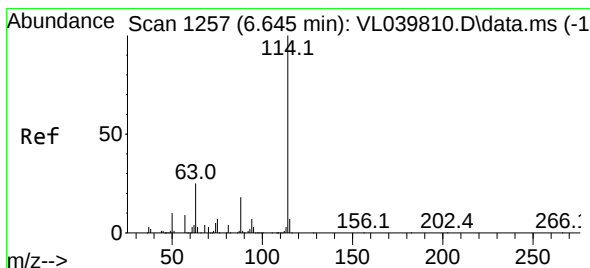
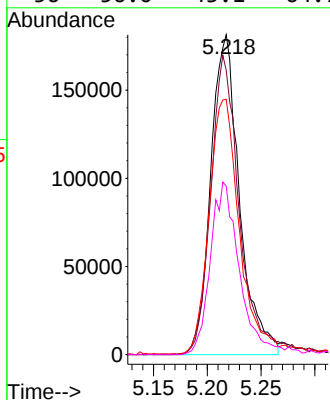
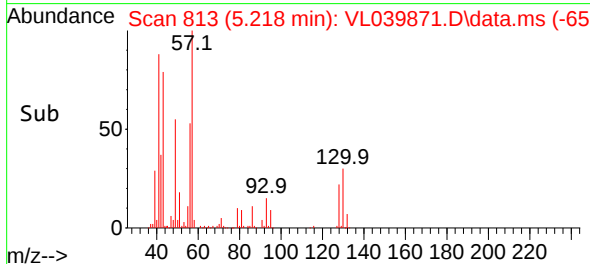
Instrument :
MSVOA_L
Client Sample Id :
IA1



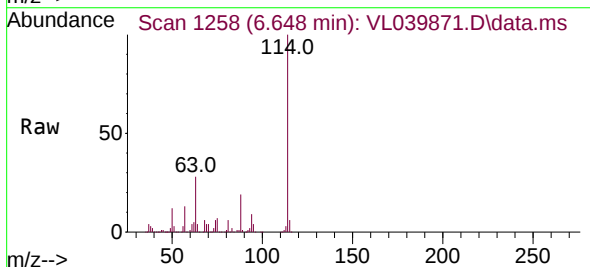
Tgt Ion: 57 Resp: 337318
Ion Ratio Lower Upper
57 100
41 94.7 73.7 110.5
43 88.0 189.8 284.8
56 56.0 43.1 64.7

Manual Integrations
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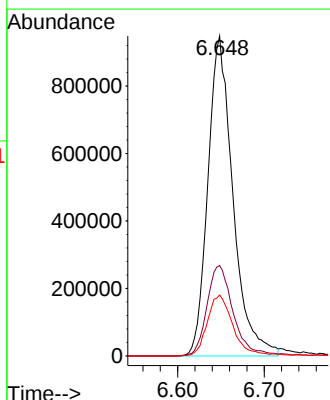
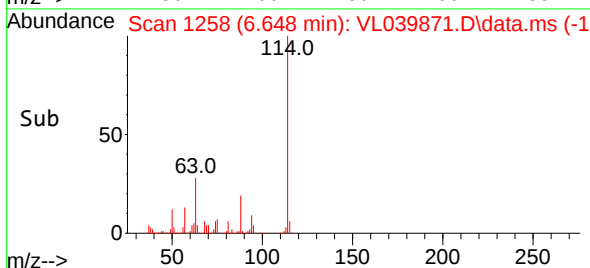
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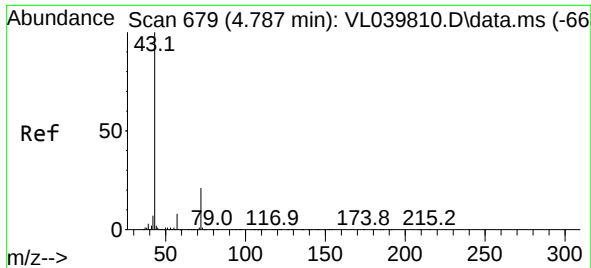


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55



Tgt Ion:114 Resp: 1906323
Ion Ratio Lower Upper
114 100
63 30.1 19.8 29.6
88 20.0 14.4 21.6





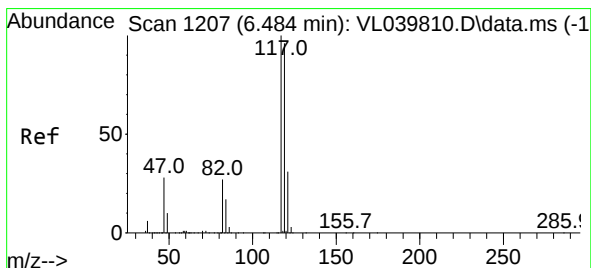
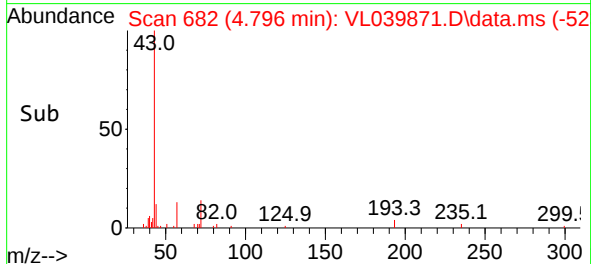
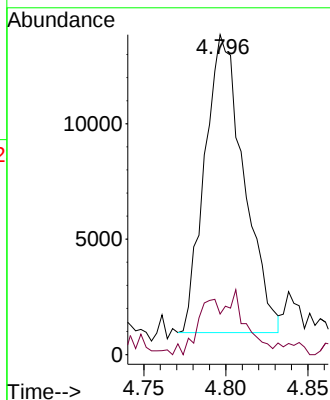
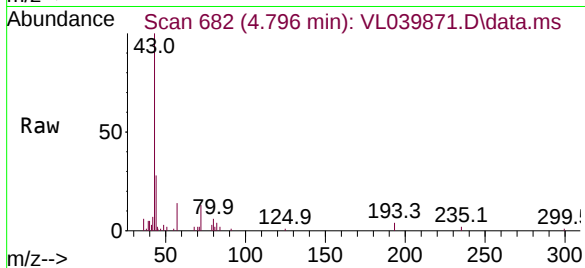
#34
2-Butanone
Concen: 0.272 ppbv
RT: 4.796 min Scan# 681
Delta R.T. 0.010 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 21424
Ion Ratio Lower Upper
43 100
72 24.8 17.5 26.3

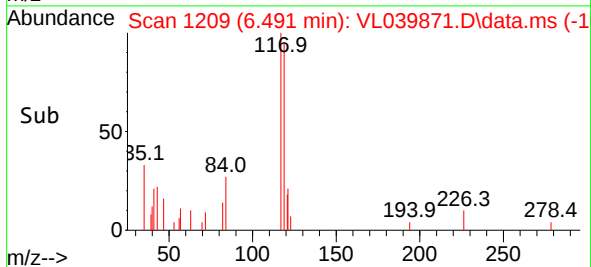
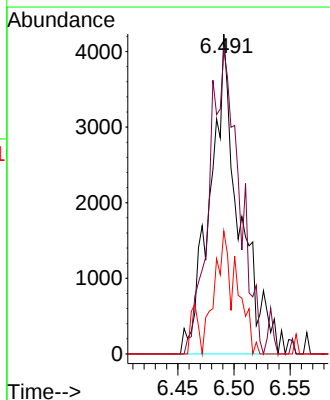
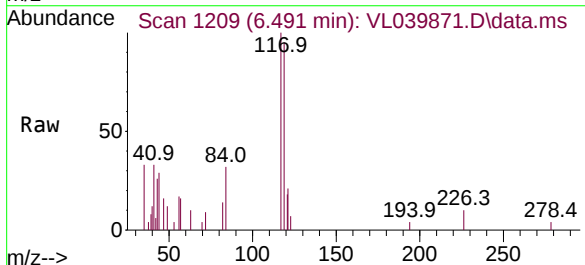
Manual Integrations
APPROVED

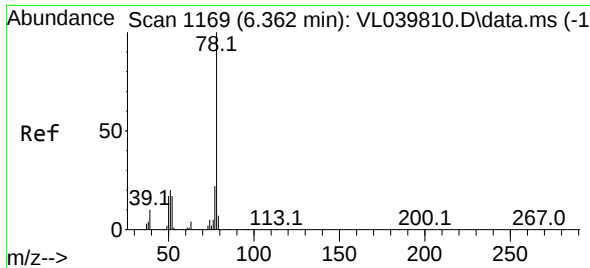
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 6.491 min Scan# 1209
Delta R.T. 0.007 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

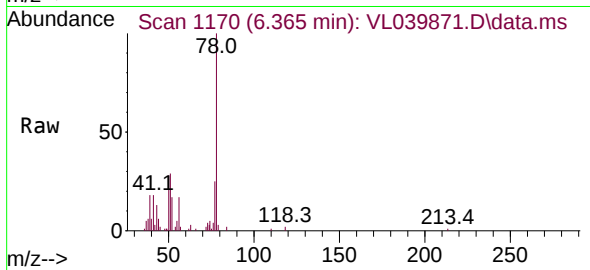
Tgt Ion:117 Resp: 7559
Ion Ratio Lower Upper
117 100
119 95.0 76.5 114.7
121 20.8 25.2 37.8#





#36
Benzene
Concen: 0.213 ppbv
RT: 6.365 min Scan# 1169
Delta R.T. 0.003 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

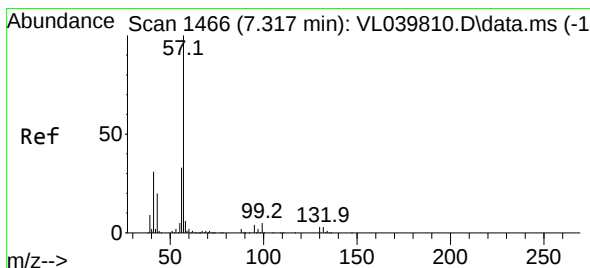
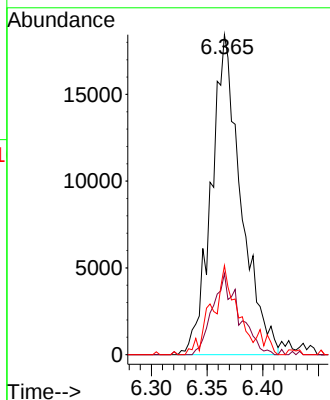
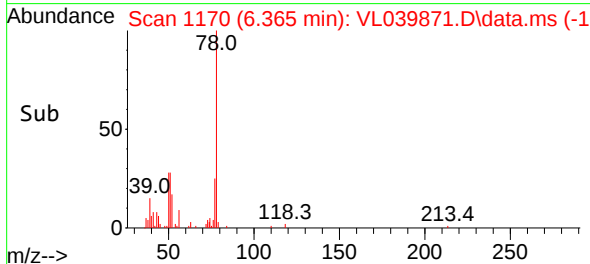
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 78 Resp: 3420
Ion Ratio Lower Upper
78 100
77 25.3 17.4 26.2
50 27.8 13.9 20.9

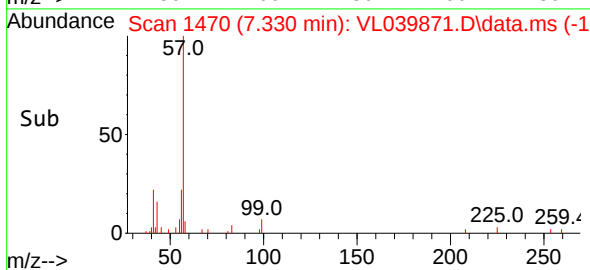
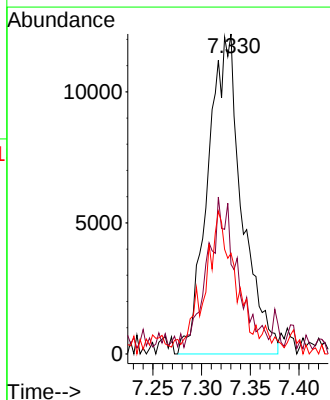
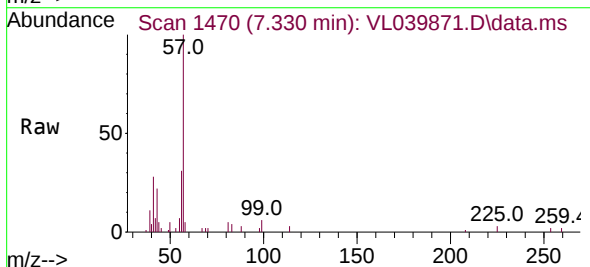
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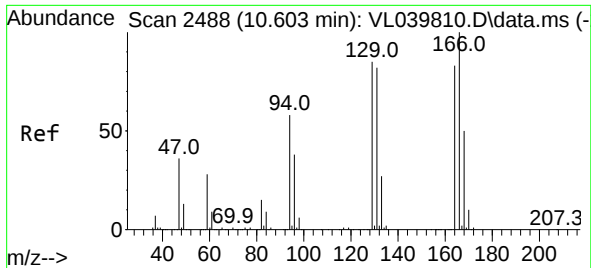
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#44
2,2,4-Trimethylpentane
Concen: 0.110 ppbv m
RT: 7.330 min Scan# 1470
Delta R.T. 0.013 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

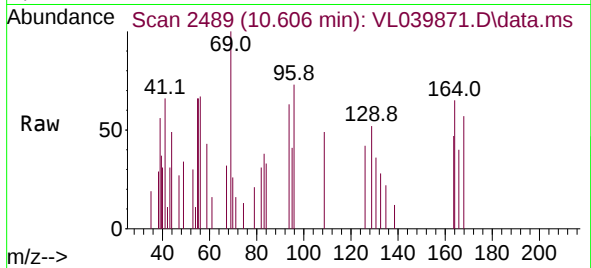
Tgt Ion: 57 Resp: 29733
Ion Ratio Lower Upper
57 100
41 45.2 24.6 36.8#
56 45.2 25.4 38.0#





#52
Tetrachloroethene
Concen: 0.032 ppbv m
RT: 10.606 min Scan# 2488
Delta R.T. 0.003 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

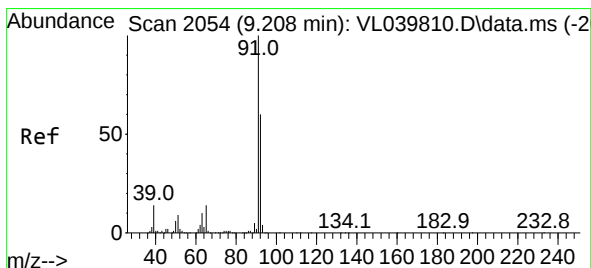
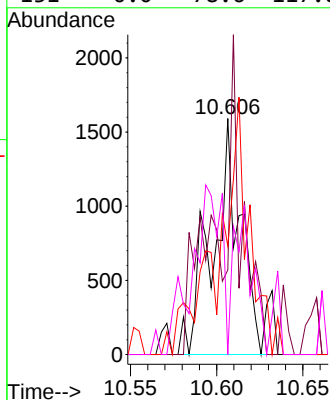
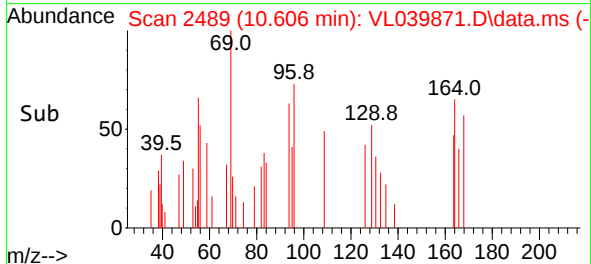
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:164 Resp: 1931
Ion Ratio Lower Upper
164 100
166 61.8 96.0 144.0
129 79.3 81.4 122.2
131 0.0 78.6 117.8

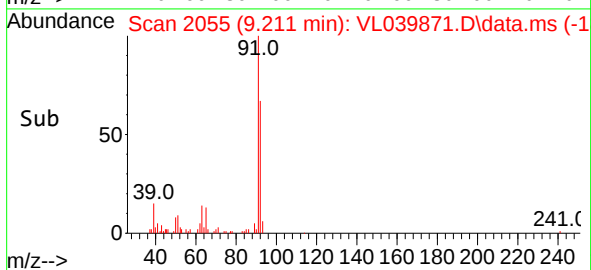
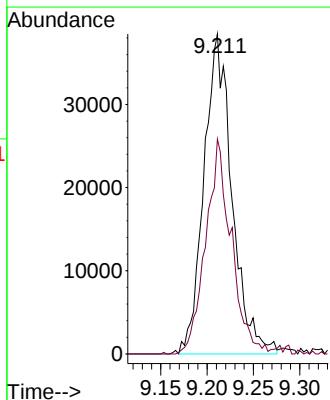
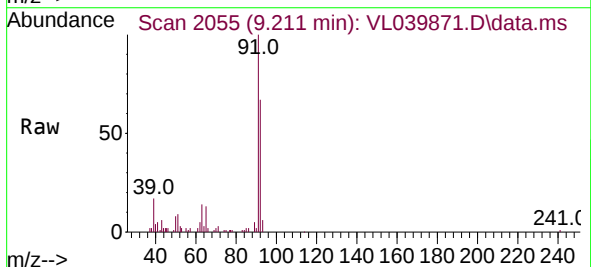
Manual Integrations
APPROVED

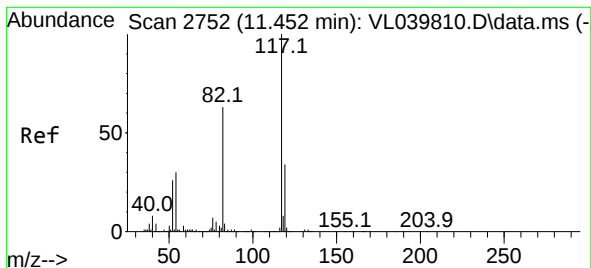
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#53
Toluene
Concen: 0.439 ppbv m
RT: 9.211 min Scan# 2055
Delta R.T. 0.003 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

Tgt Ion: 91 Resp: 80965
Ion Ratio Lower Upper
91 100
92 62.1 49.6 74.4





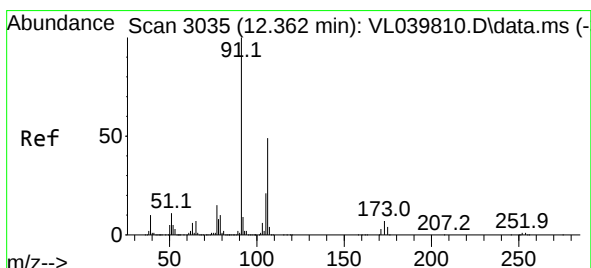
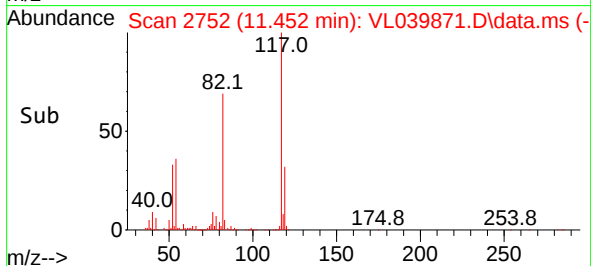
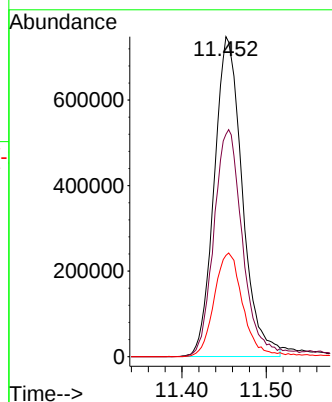
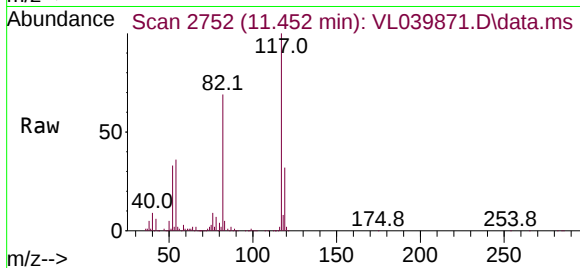
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. 0.000 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:117 Resp: 1731686
Ion Ratio Lower Upper
117 100
82 75.1 51.0 76.6
119 34.1 24.7 37.1

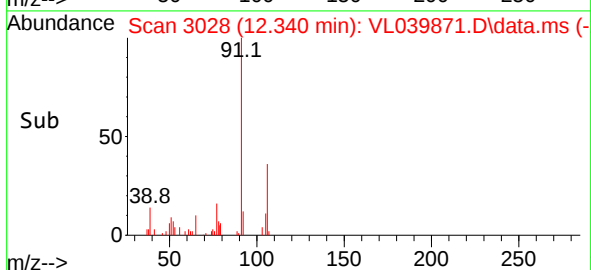
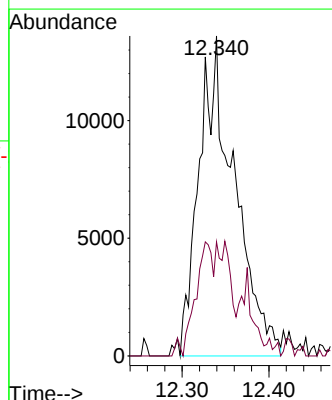
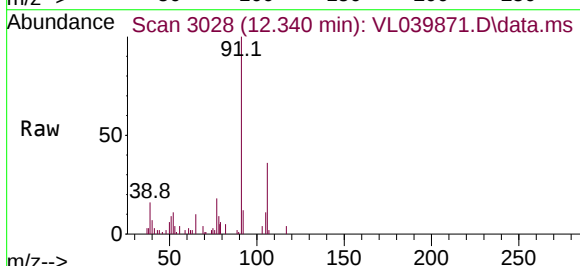
Manual Integrations
APPROVED

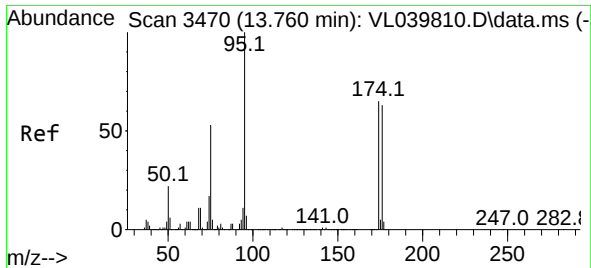
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#59
m/p-Xylene
Concen: 0.196 ppbv m
RT: 12.340 min Scan# 3028
Delta R.T. -0.022 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

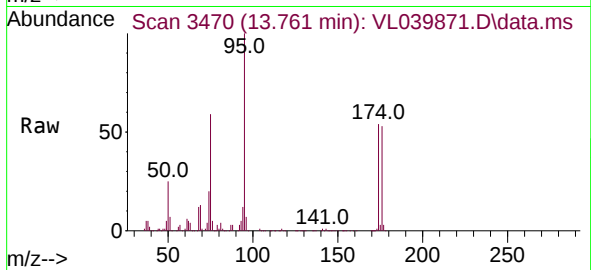
Tgt Ion: 91 Resp: 38349
Ion Ratio Lower Upper
91 100
106 44.4 37.6 56.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.689 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. 0.000 min
Lab File: VL039871.D
Acq: 10 Nov 2022 19:55

Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 95 Resp: 138547
Ion Ratio Lower Upper
95 100
174 60.7 53.4 80.0
175 4.1 4.1 6.1

Manual Integrations
APPROVED

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

