

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122921\
 Data File : VL038241.D
 Acq On : 29 Dec 2021 20:38
 Operator : SY/AP
 Sample : M5250-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOOR

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/30/2021
 Supervised By :Semsettin Yesilyurt 01/02/2022

Quant Time: Dec 30 06:19:42 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LTue Dec 2

QLast Update : Tue Dec 21 17:47:08 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.668	49	649014	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.176	114	1786987	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	1514569	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	1188139	10.180	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.057	85	25574	0.209	ppbv	95
3) Chlorodifluoromethane	2.999	51	41347m	0.303	ppbv	
4) Chloromethane	3.150	50	23061	0.488	ppbv	96
9) Propene	3.028	41	86914m	1.835	ppbv	
10) Heptane	8.124	43	91806	0.764	ppbv	93
11) Trichlorofluoromethane	3.960	101	22064m	0.196	ppbv	
13) Ethanol	3.610	45	172755	21.518	ppbv #	100
15) Acetone	3.854	43	583869	8.964	ppbv	95
19) Isopropyl Alcohol	3.976	45	85504	2.105	ppbv #	1
20) Methylene Chloride	4.349	84	112710	3.065	ppbv	91
26) Hexane	5.690	57	361328	4.081	ppbv #	46
30) Cyclohexane	7.134	84	15180m	0.194	ppbv	
34) 2-Butanone	5.256	43	43961	0.818	ppbv	96
35) Carbon Tetrachloride	7.015	117	9875m	0.090	ppbv	
36) Benzene	6.890	78	71531	0.429	ppbv	97
44) 2,2,4-Trimethylpentane	7.867	57	58977m	0.208	ppbv	
52) Tetrachloroethene	11.214	164	2236m	0.036	ppbv	
53) Toluene	9.803	91	385228	2.003	ppbv	100
58) Ethyl Benzene	12.709	91	85256	0.363	ppbv	96
59) m/p-Xylene	12.963	91	196096m	0.976	ppbv	
60) o-Xylene	13.690	91	84724	0.455	ppbv	100
61) Styrene	13.523	104	12906m	0.137	ppbv	
74) 1,2,4-Trimethylbenzene	16.760	105	34157	0.169	ppbv #	65

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

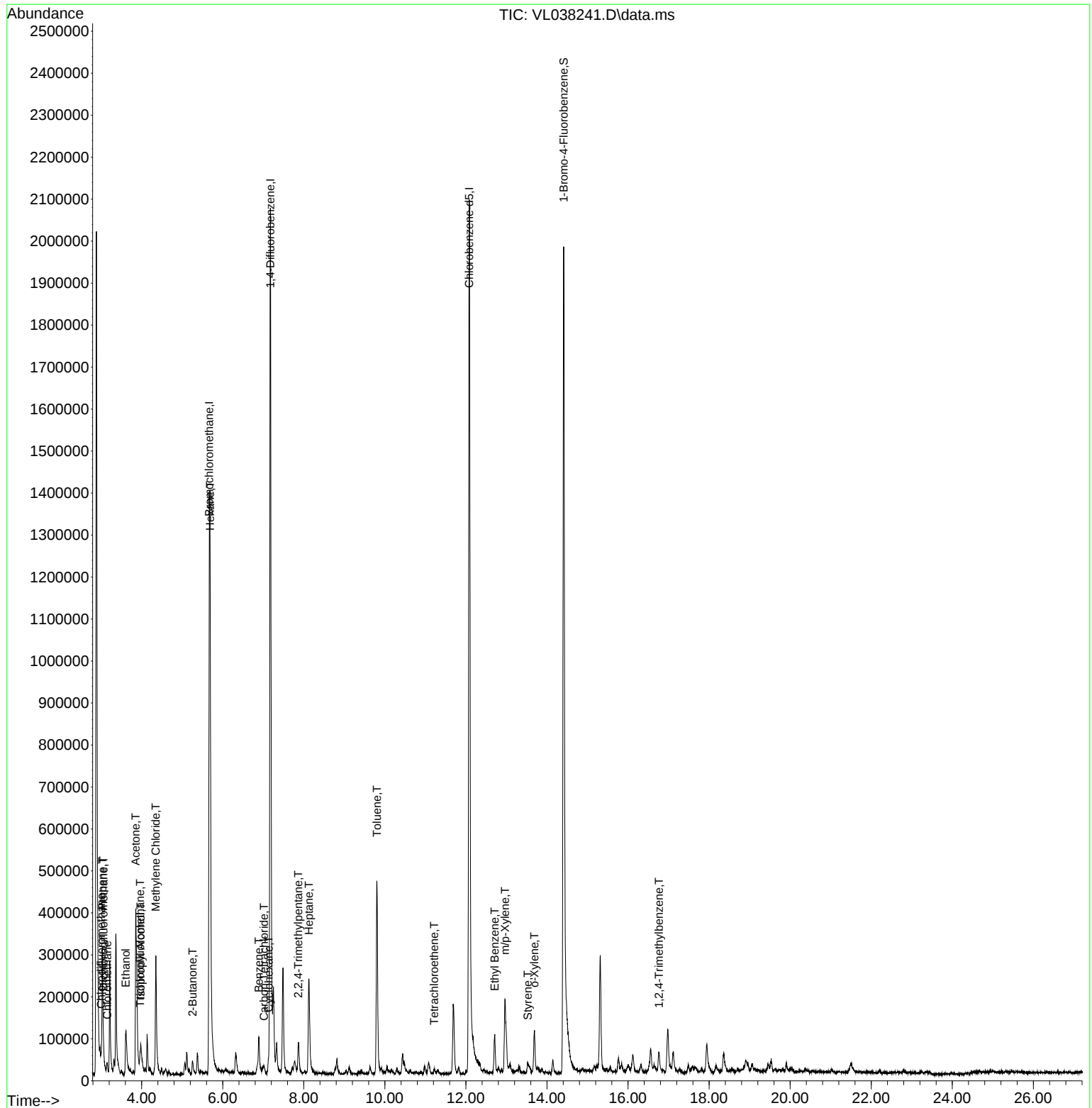
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122921\
Data File : VL038241.D
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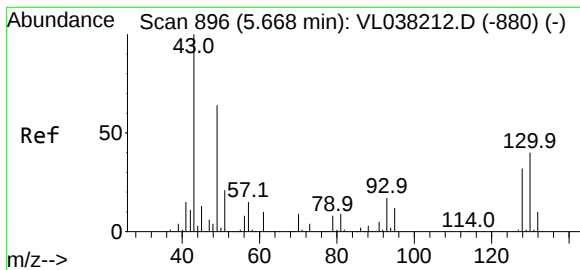
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR

Quant Time: Dec 30 06:19:42 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Dec
QLast Update : Tue Dec 21 17:47:08 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022





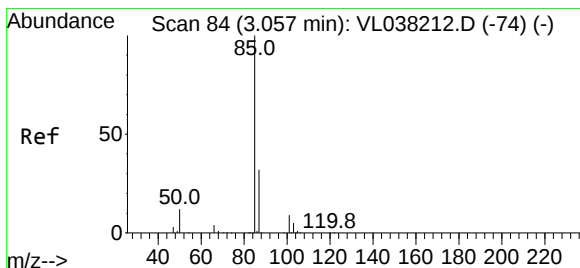
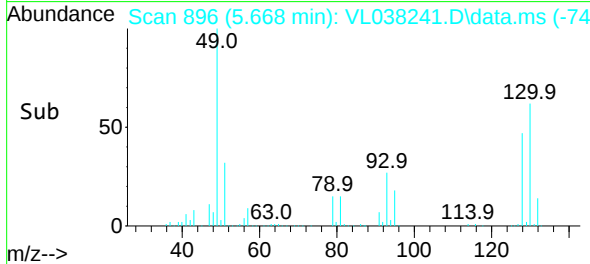
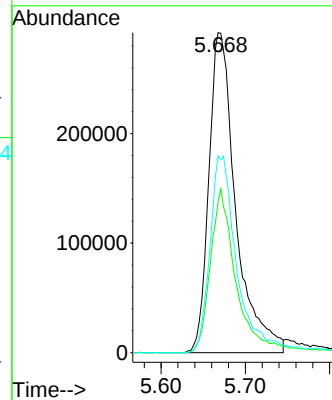
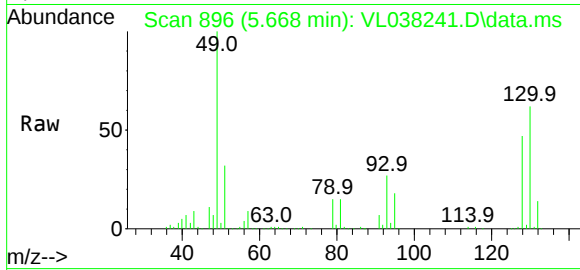
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 896
Delta R.T. -0.000 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR

Tgt Ion: 49 Resp: 649014
Ion Ratio Lower Upper
49 100
128 50.3 26.9 80.6
130 63.7 32.3 96.9

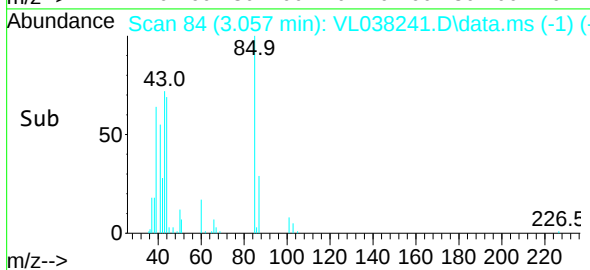
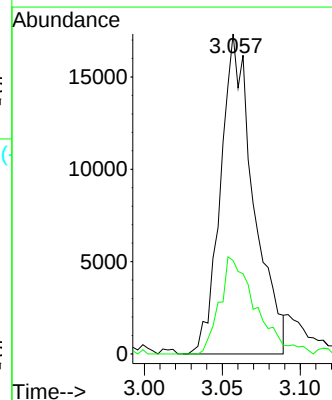
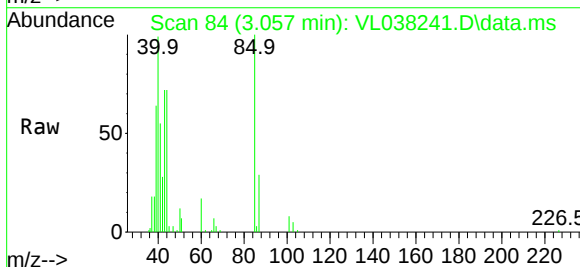
Manual Integrations
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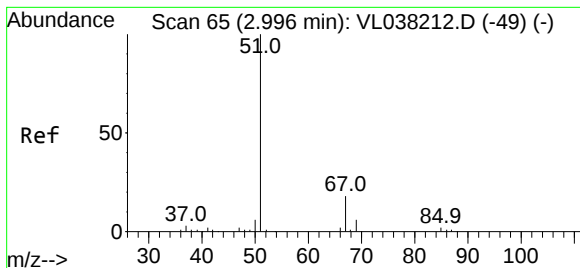
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#2
Dichlorodifluoromethane
Concen: 0.209 ppbv
RT: 3.057 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

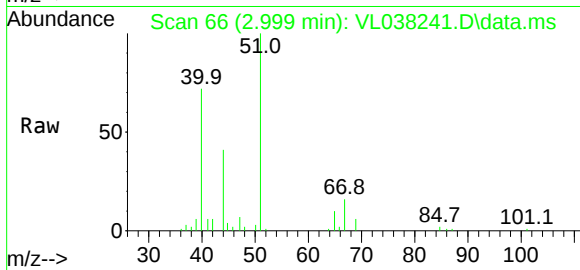
Tgt Ion: 85 Resp: 25574
Ion Ratio Lower Upper
85 100
87 29.2 25.4 38.2





#3
Chlorodifluoromethane
Concen: 0.303 ppbv m
RT: 2.999 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

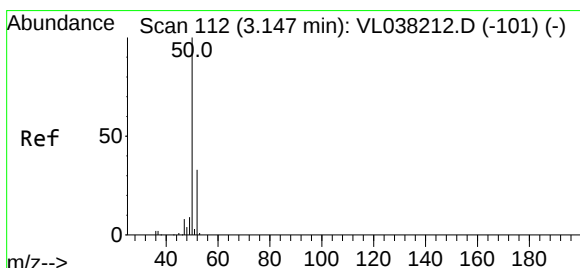
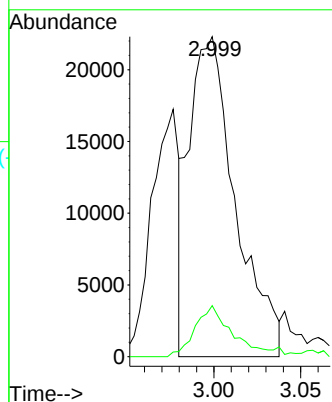
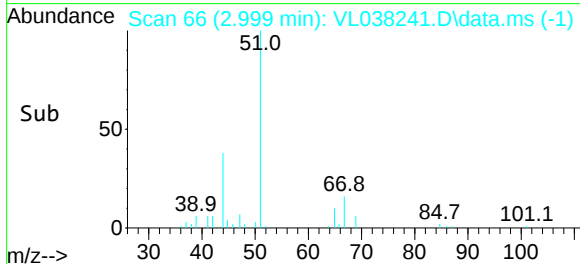
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR



Tgt Ion: 51 Resp: 4134
Ion Ratio Lower Upper
51 100
67 14.5 14.0 21.0

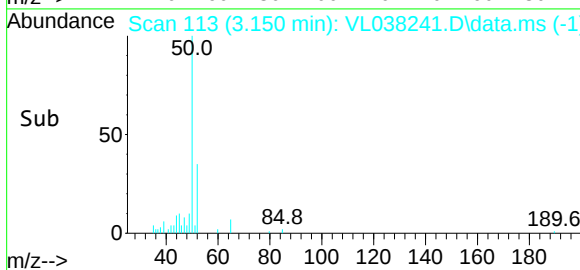
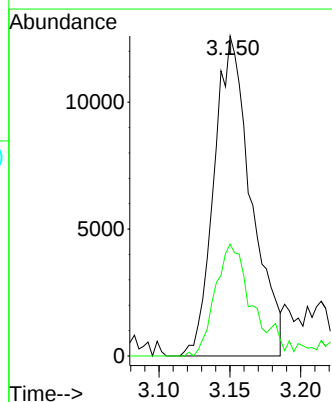
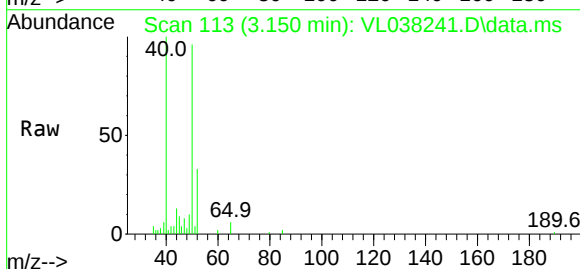
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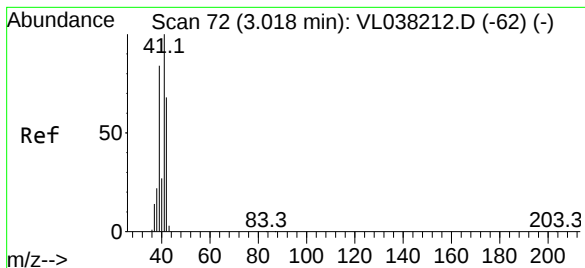
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#4
Chloromethane
Concen: 0.488 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.003 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

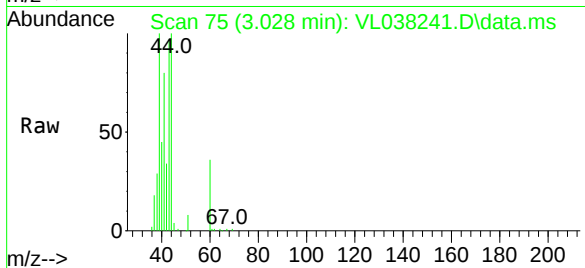
Tgt Ion: 50 Resp: 23061
Ion Ratio Lower Upper
50 100
52 34.9 26.2 39.2





#9
Propene
Concen: 1.835 ppbv m
RT: 3.028 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

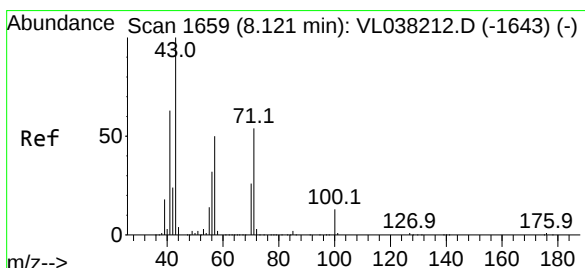
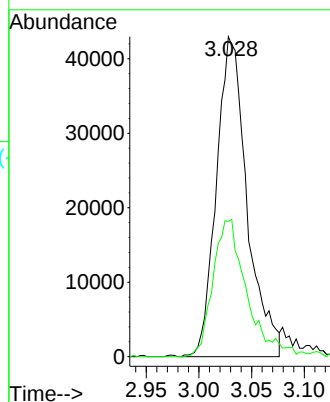
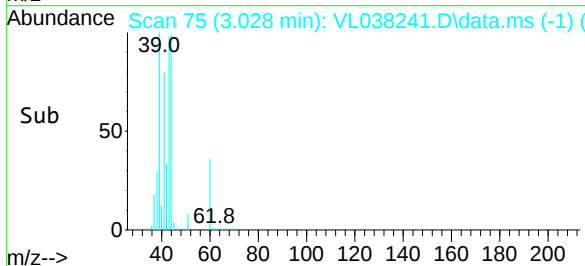
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR



Tgt Ion: 41 Resp: 86914
Ion Ratio Lower Upper
41 100
42 72.8 55.5 83.3

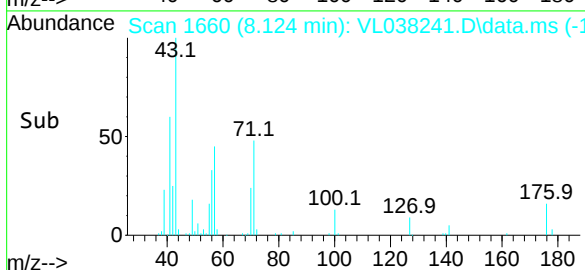
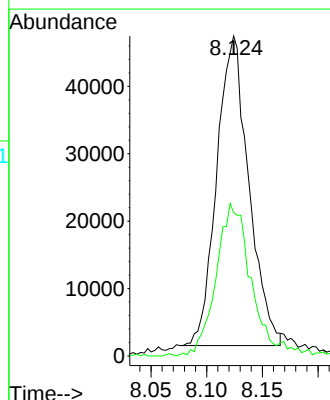
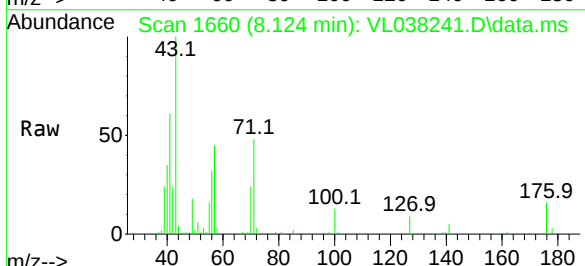
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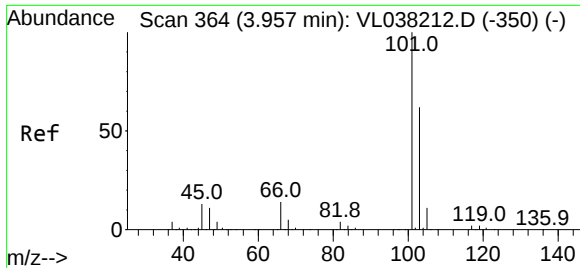
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#10
Heptane
Concen: 0.764 ppbv
RT: 8.124 min Scan# 1660
Delta R.T. 0.003 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

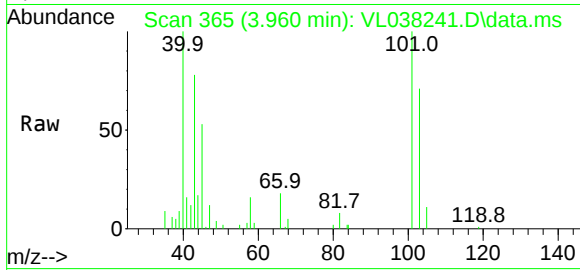
Tgt Ion: 43 Resp: 91806
Ion Ratio Lower Upper
43 100
57 55.0 40.3 60.5





#11
Trichlorofluoromethane
Concen: 0.196 ppbv m
RT: 3.960 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

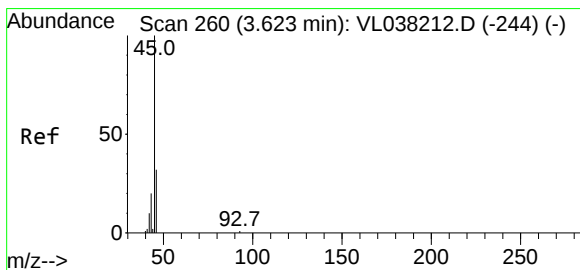
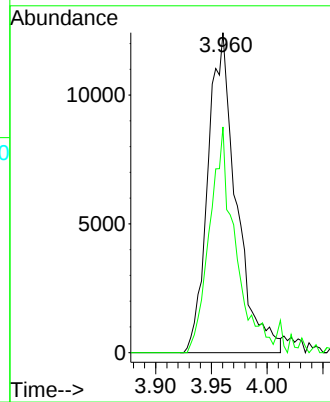
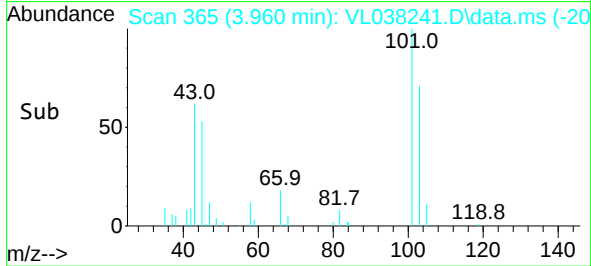
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR



Tgt Ion:101 Resp: 22064
Ion Ratio Lower Upper
101 100
103 70.6 49.9 74.9

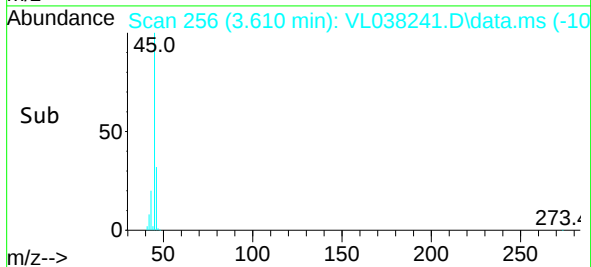
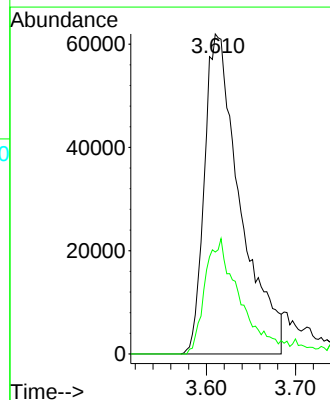
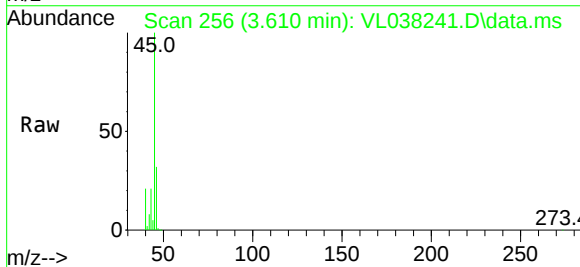
Manual Integrations
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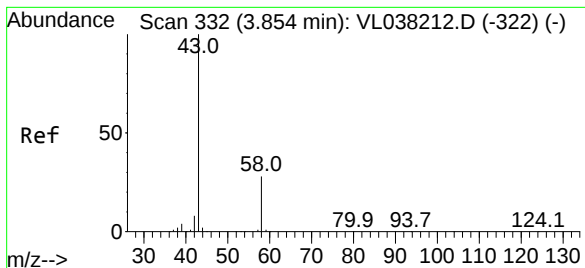
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#13
Ethanol
Concen: 21.518 ppbv
RT: 3.610 min Scan# 256
Delta R.T. -0.013 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

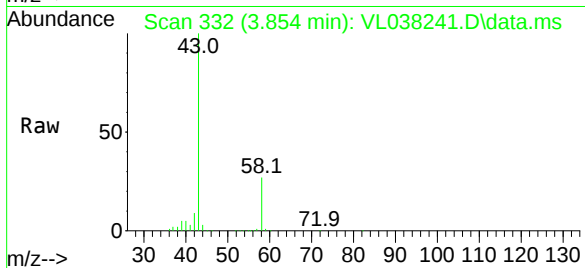
Tgt Ion: 45 Resp: 172755
Ion Ratio Lower Upper
45 100
46 38.3 0.0 0.0#





#15
Acetone
Concen: 8.964 ppbv
RT: 3.854 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

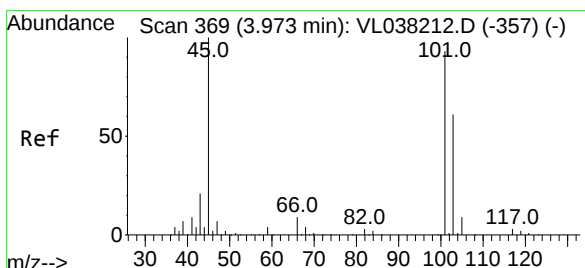
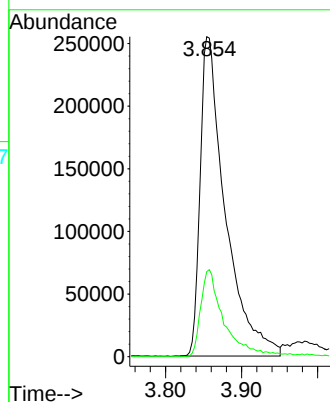
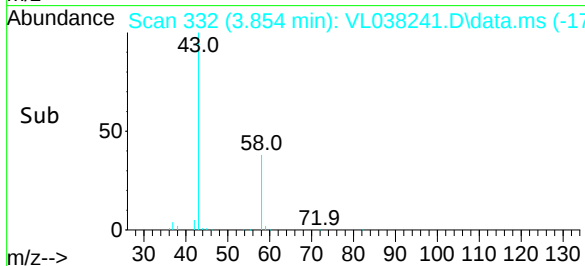
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR



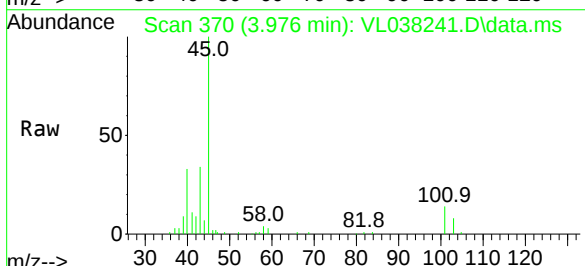
Tgt Ion: 43 Resp: 58386
Ion Ratio Lower Upper
43 100
58 26.3 23.3 34.9

Manual Integrations
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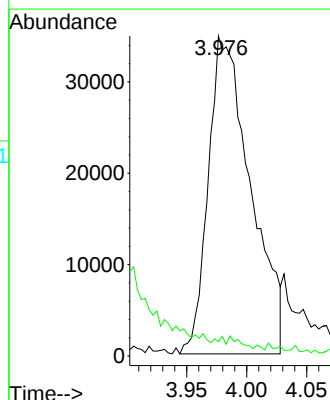
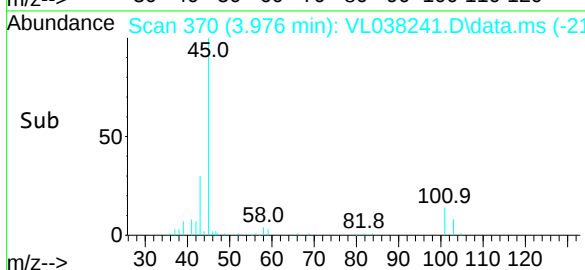
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022

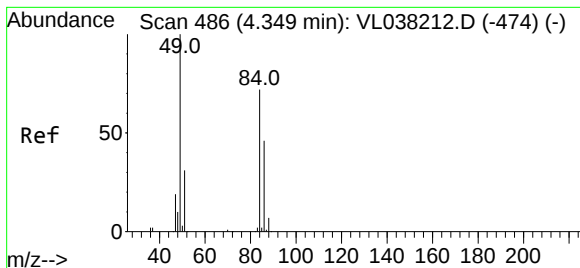


#19
Isopropyl Alcohol
Concen: 2.105 ppbv
RT: 3.976 min Scan# 370
Delta R.T. 0.003 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38



Tgt Ion: 45 Resp: 85504
Ion Ratio Lower Upper
45 100
58 180.8 32.4 48.6#





#20

Methylene Chloride

Concen: 3.065 ppbv

RT: 4.349 min Scan# 486

Delta R.T. -0.000 min

Lab File: VL038241.D

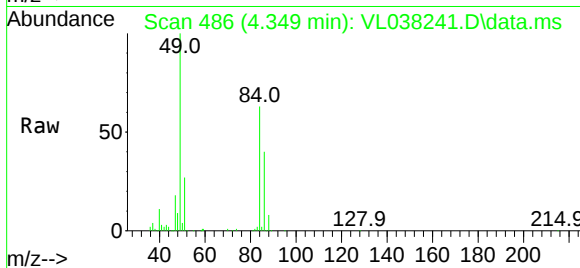
Acq: 29 Dec 2021 20:38

Instrument :

MSVOA_L

ClientSampleId :

1ST-FLOOR



Tgt Ion: 84 Resp: 112710

Ion Ratio Lower Upper

84 100

49 157.3 110.6 166.0

51 42.3 34.2 51.2

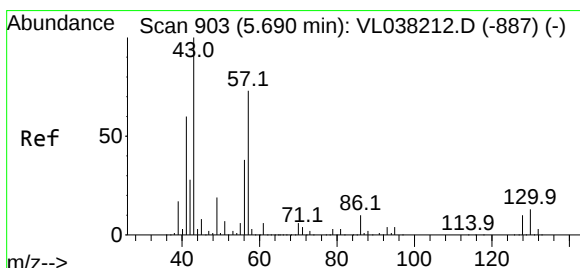
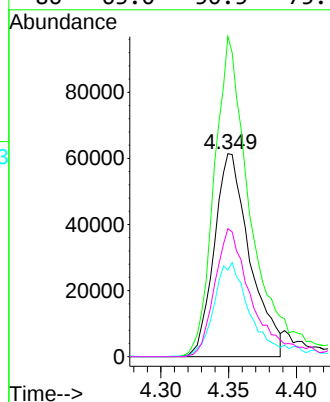
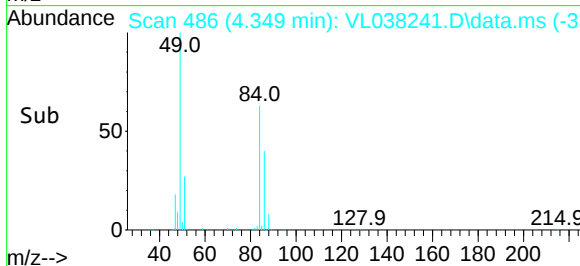
86 63.0 50.5 75.7

Manual Integrations

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Reviewed By :Amit Patel 12/30/2021

Supervised By :Semsettin Yesilyurt 01/02/2022



#26

Hexane

Concen: 4.081 ppbv

RT: 5.690 min Scan# 903

Delta R.T. -0.000 min

Lab File: VL038241.D

Acq: 29 Dec 2021 20:38

Tgt Ion: 57 Resp: 361328

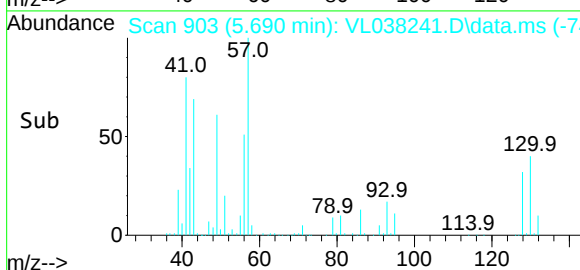
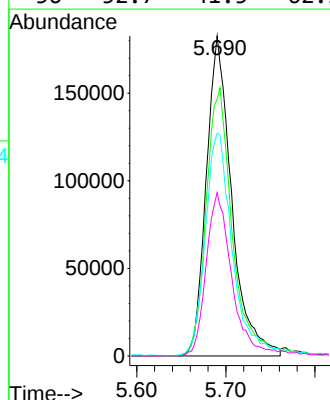
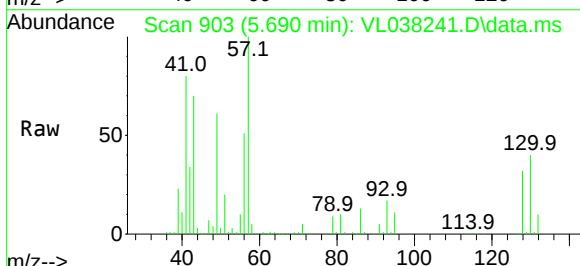
Ion Ratio Lower Upper

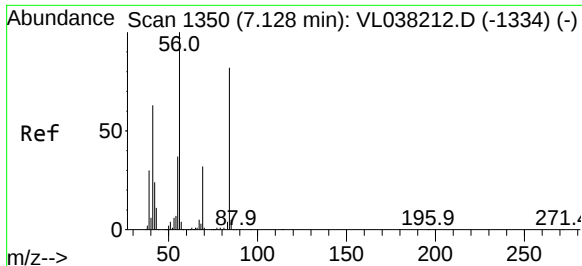
57 100

41 88.4 69.0 103.6

43 76.3 171.2 256.8#

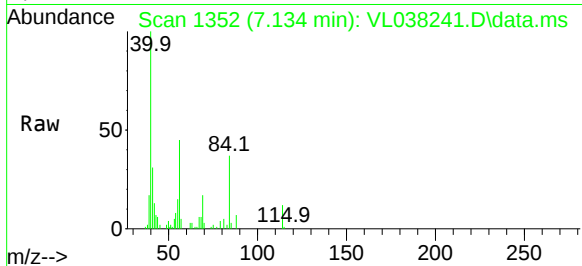
56 52.7 41.5 62.3





#30
Cyclohexane
Concen: 0.194 ppbv m
RT: 7.134 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

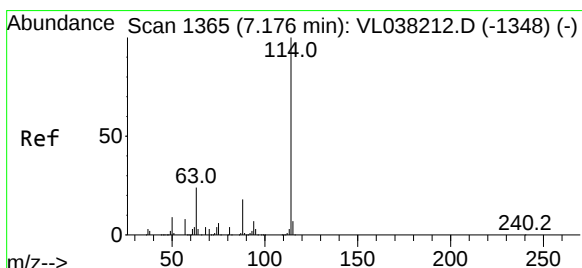
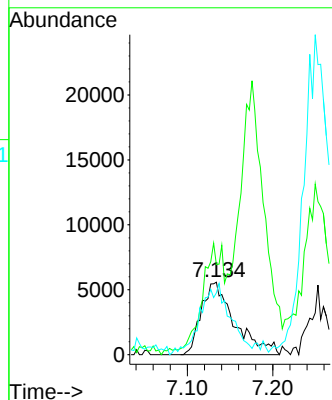
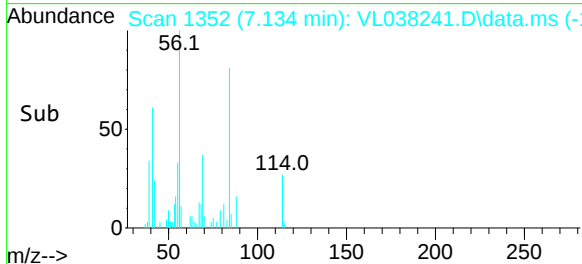
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR



Tgt Ion: 84 Resp: 15180
Ion Ratio Lower Upper
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41 93.4 63.2 94.8

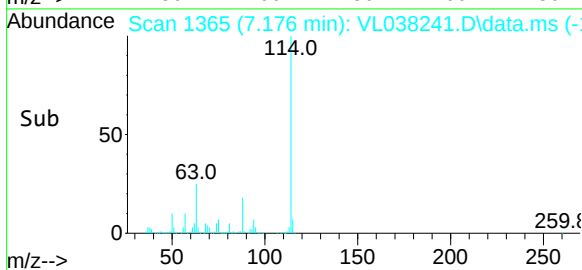
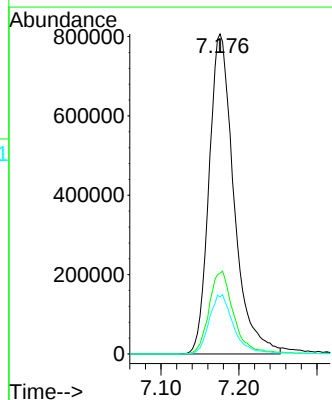
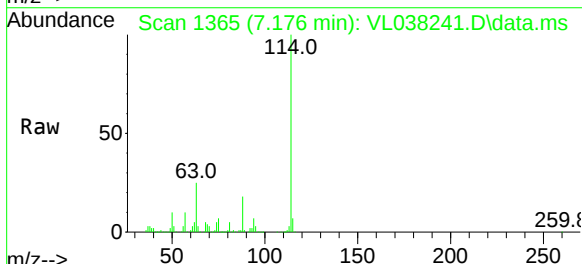
Manual Integrations
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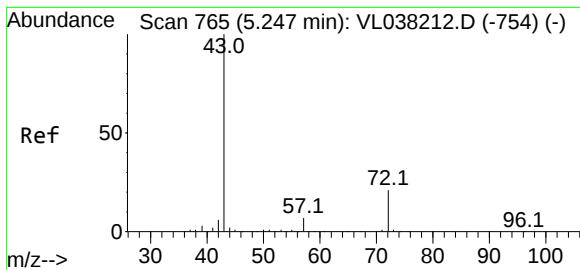
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

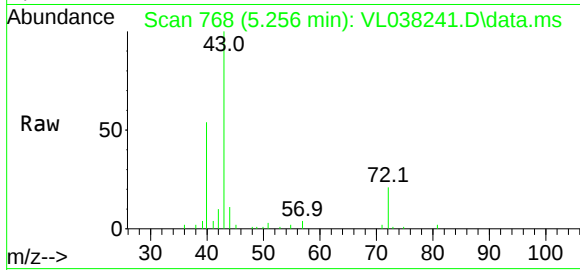
Tgt Ion:114 Resp: 1786987
Ion Ratio Lower Upper
114 100
63 26.1 19.7 29.5
88 18.4 14.3 21.5





#34
2-Butanone
Concen: 0.818 ppbv
RT: 5.256 min Scan# 70
Delta R.T. 0.010 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

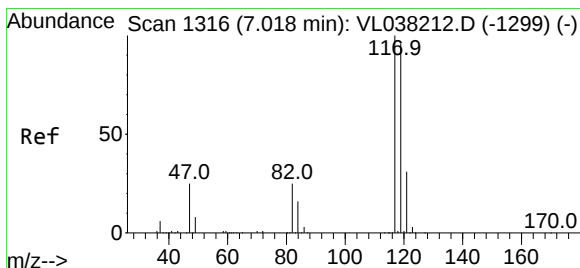
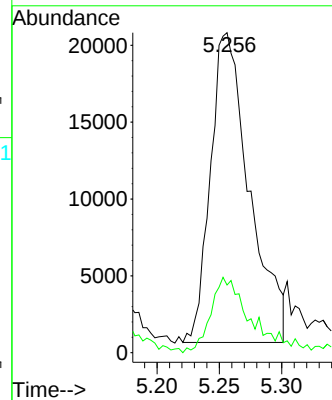
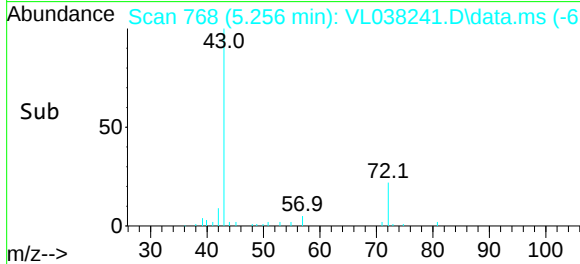
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR



Tgt Ion: 43 Resp: 4396
Ion Ratio Lower Upper
43 100
72 25.0 18.3 27.5

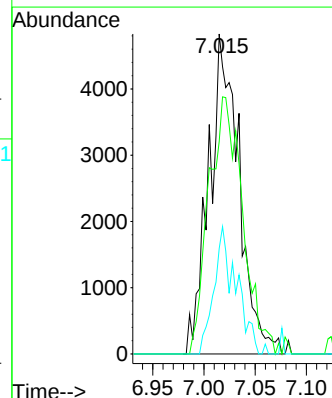
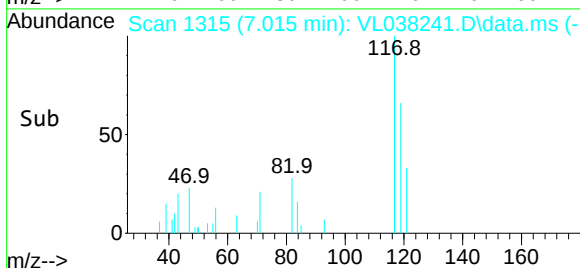
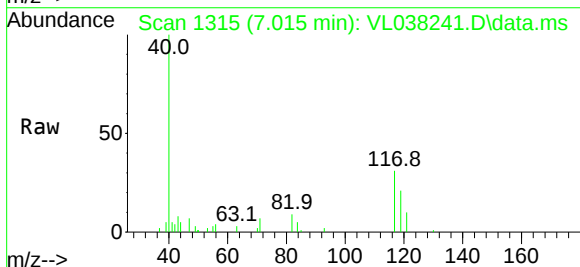
Manual Integrations
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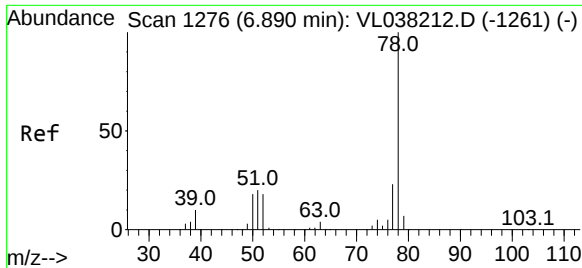
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#35
Carbon Tetrachloride
Concen: 0.090 ppbv m
RT: 7.015 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

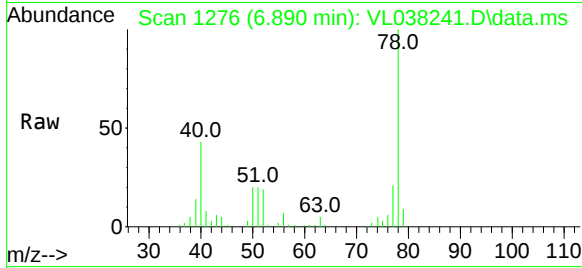
Tgt Ion:117 Resp: 9875
Ion Ratio Lower Upper
117 100
119 66.4 76.7 115.1#
121 32.9 25.0 37.4





#36
Benzene
Concen: 0.429 ppbv
RT: 6.890 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

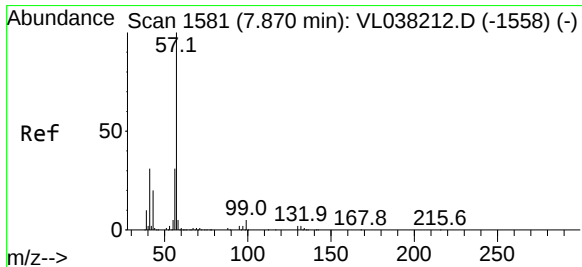
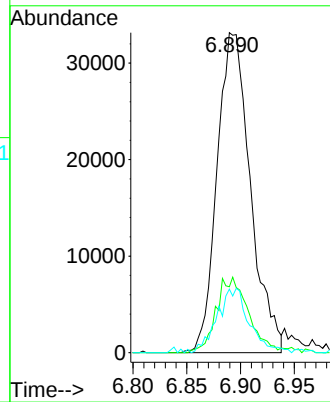
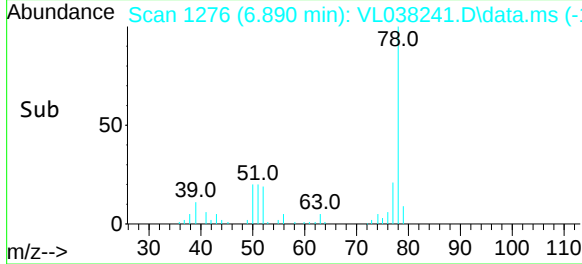
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR



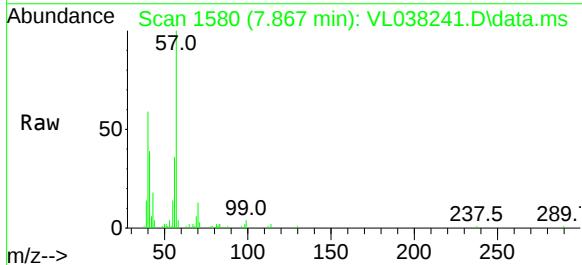
Tgt Ion: 78 Resp: 7153
Ion Ratio Lower Upper
78 100
77 20.6 18.2 27.4
50 18.8 14.3 21.5

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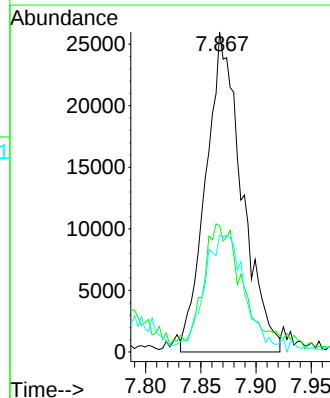
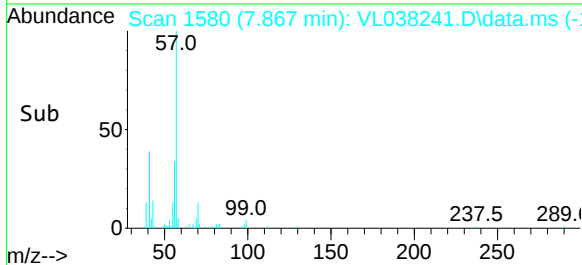
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022

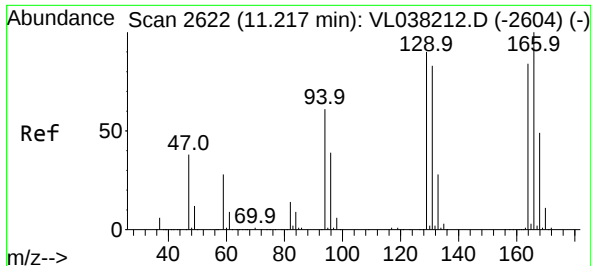


#44
2,2,4-Trimethylpentane
Concen: 0.208 ppbv m
RT: 7.867 min Scan# 1580
Delta R.T. -0.003 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38



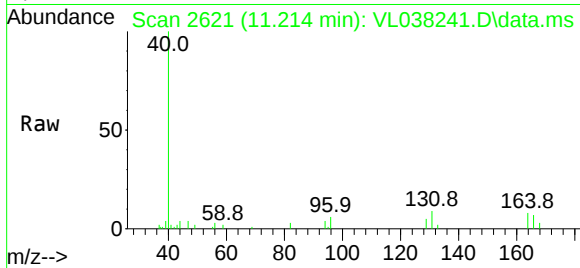
Tgt Ion: 57 Resp: 58977
Ion Ratio Lower Upper
57 100
41 48.7 24.9 37.3#
56 42.3 24.8 37.2#





#52
Tetrachloroethene
Concen: 0.036 ppbv m
RT: 11.214 min Scan# 2621
Delta R.T. -0.003 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

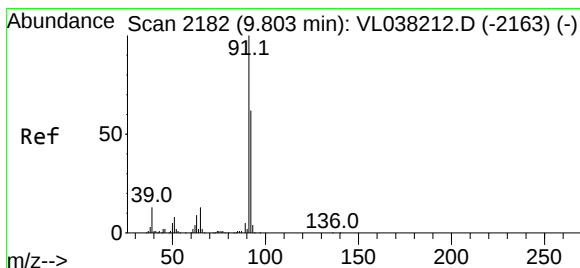
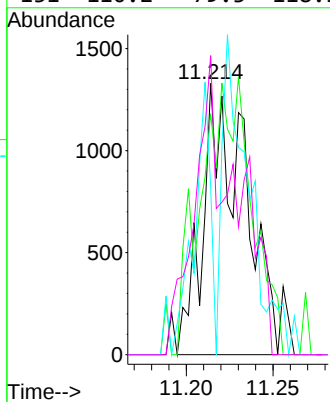
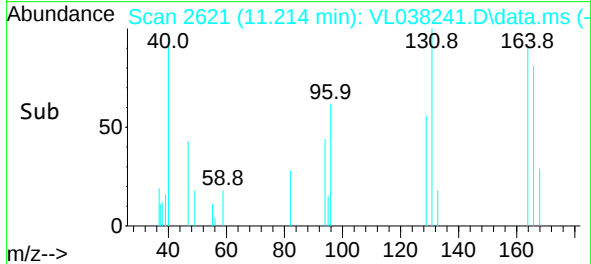
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR



Tgt Ion:164 Resp: 2230
Ion Ratio Lower Upper
164 100
166 88.9 95.6 143.4
129 62.0 85.8 128.8
131 110.2 79.3 118.9

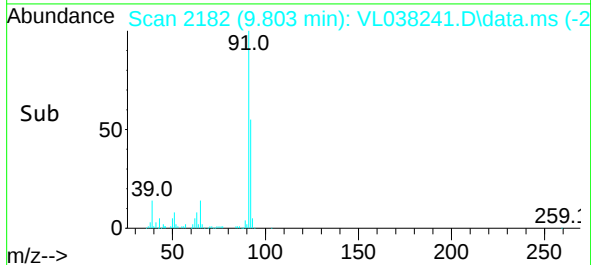
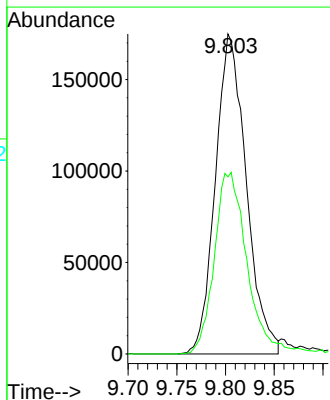
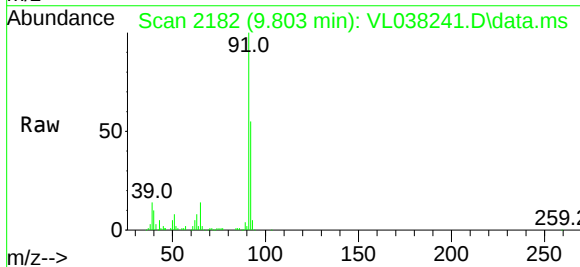
Manual Integrations
APPROVED

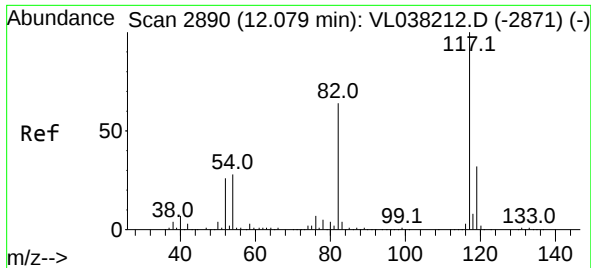
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#53
Toluene
Concen: 2.003 ppbv
RT: 9.803 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

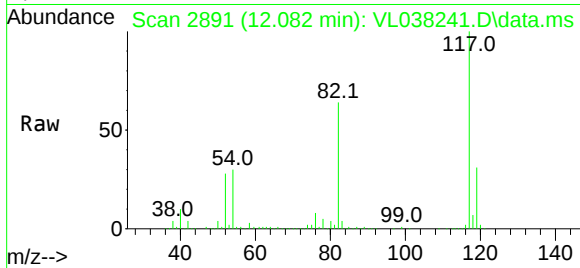
Tgt Ion: 91 Resp: 385228
Ion Ratio Lower Upper
91 100
92 61.2 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.082 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

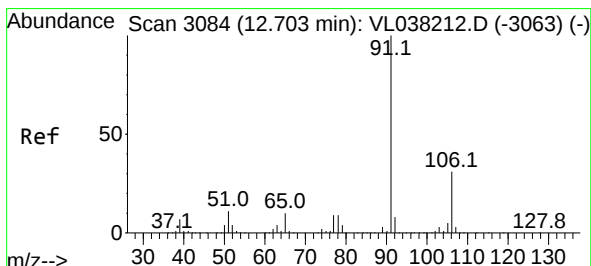
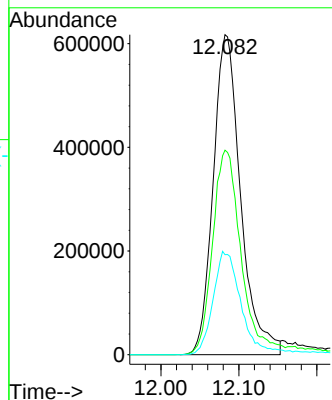
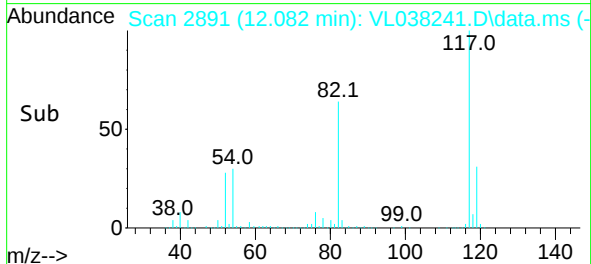
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR



Tgt Ion: 117 Resp: 151456
Ion Ratio Lower Upper
117 100
82 71.3 53.3 79.9
119 34.8 25.5 38.3

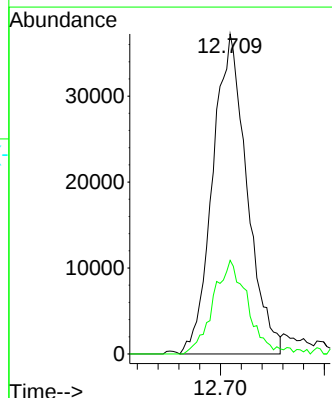
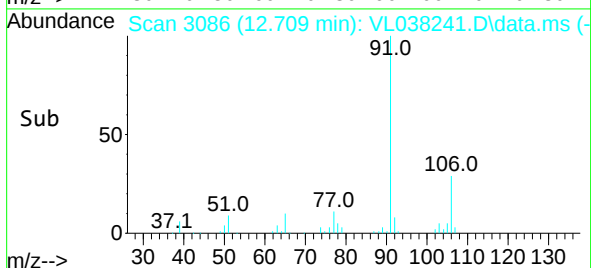
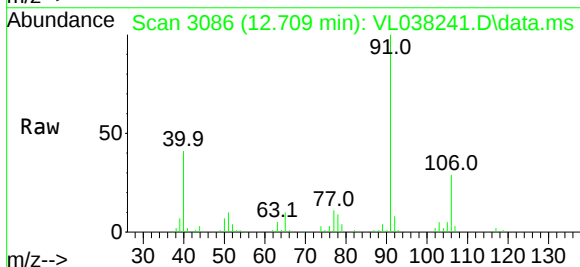
Manual Integrations
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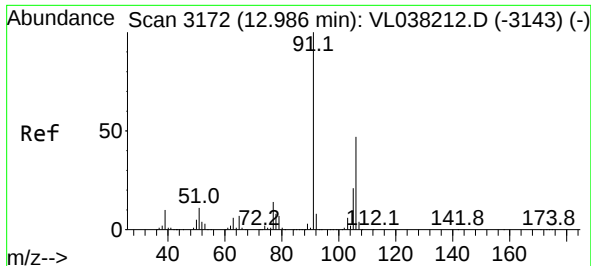
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#58
Ethyl Benzene
Concen: 0.363 ppbv
RT: 12.709 min Scan# 3086
Delta R.T. 0.006 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

Tgt Ion: 91 Resp: 85256
Ion Ratio Lower Upper
91 100
106 29.2 25.0 37.4





#59

m/p-Xylene

Concen: 0.976 ppbv m

RT: 12.963 min Scan# 3172

Delta R.T. -0.023 min

Lab File: VL038241.D

Acq: 29 Dec 2021 20:38

Instrument :

MSVOA_L

ClientSampleId :

1ST-FLOOR

Tgt Ion: 91 Resp: 196090

Ion Ratio Lower Upper

91 100

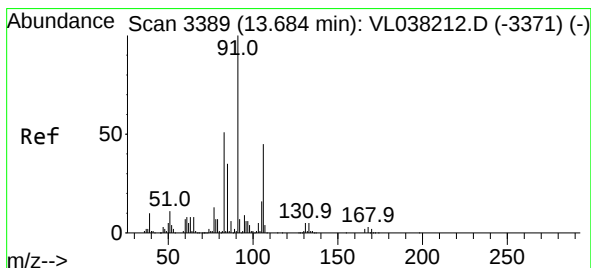
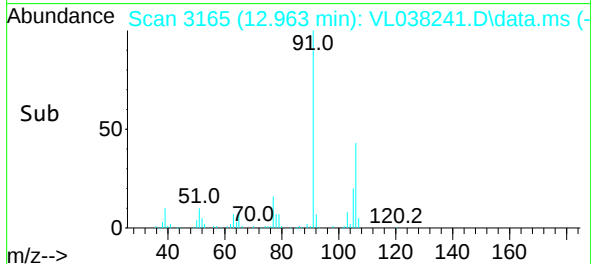
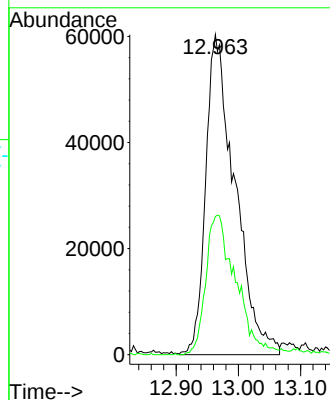
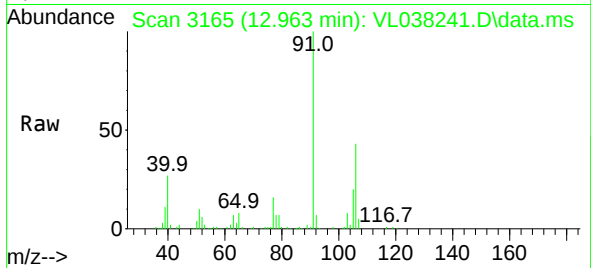
106 0.0 36.9 55.3

Manual Integrations

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Reviewed By :Amit Patel 12/30/2021

Supervised By :Semsettin Yesilyurt 01/02/2022



#60

o-Xylene

Concen: 0.455 ppbv

RT: 13.690 min Scan# 3391

Delta R.T. 0.006 min

Lab File: VL038241.D

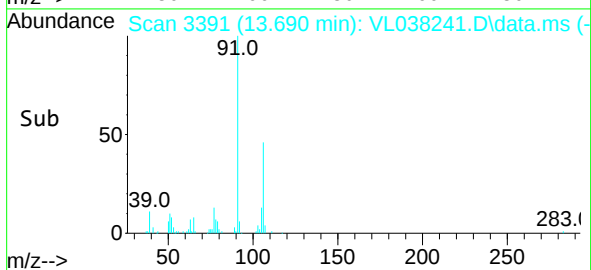
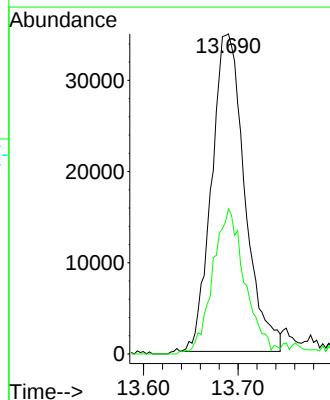
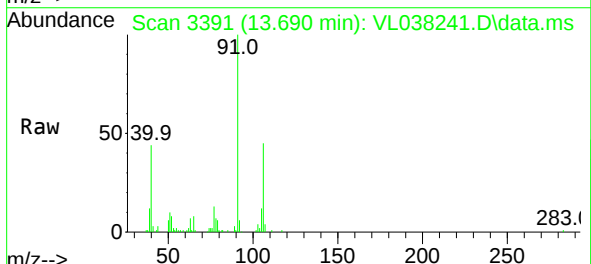
Acq: 29 Dec 2021 20:38

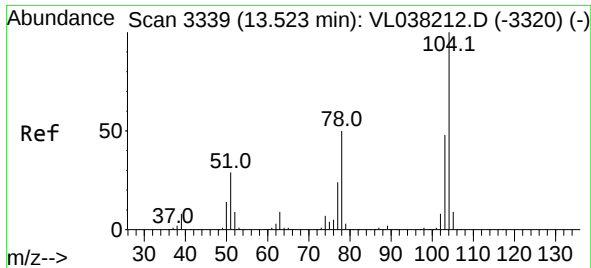
Tgt Ion: 91 Resp: 84724

Ion Ratio Lower Upper

91 100

106 46.7 23.5 70.5





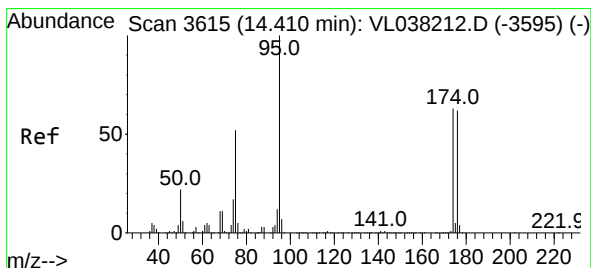
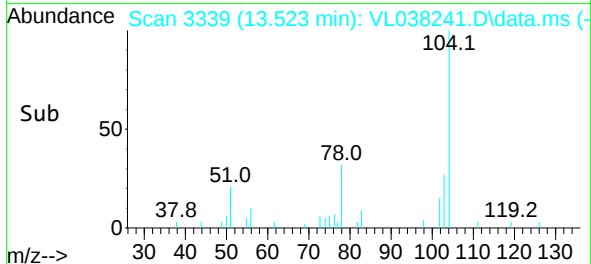
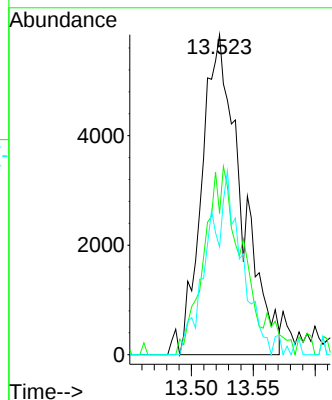
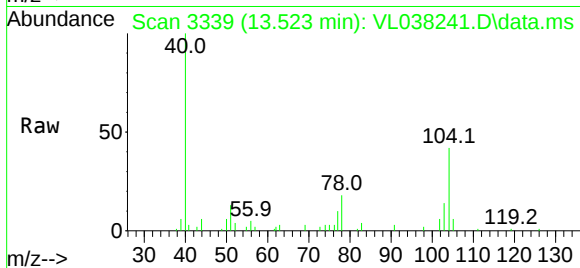
#61
Styrene
Concen: 0.137 ppbv m
RT: 13.523 min Scan# 3339
Delta R.T. -0.000 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR

Tgt Ion:104 Resp: 12900
Ion Ratio Lower Upper
104 100
78 61.8 41.0 61.6
103 50.4 38.0 57.0

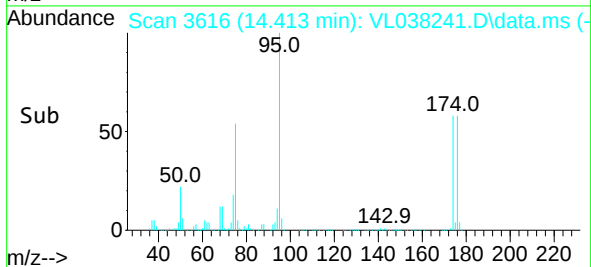
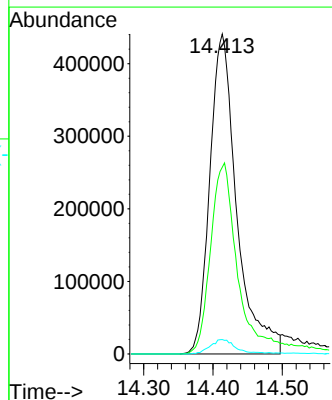
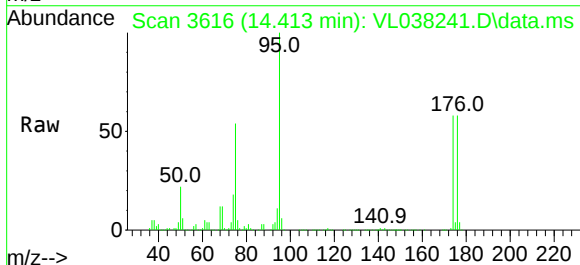
Manual Integrations
APPROVED

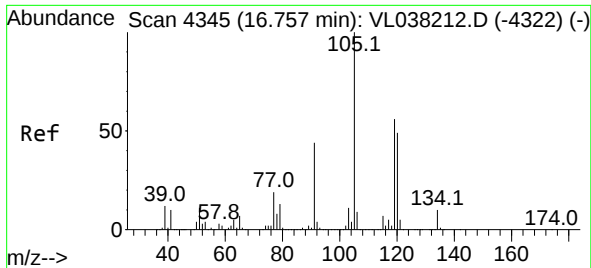
Reviewed By :Amit Patel 12/30/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.180 ppbv
RT: 14.413 min Scan# 3616
Delta R.T. 0.003 min
Lab File: VL038241.D
Acq: 29 Dec 2021 20:38

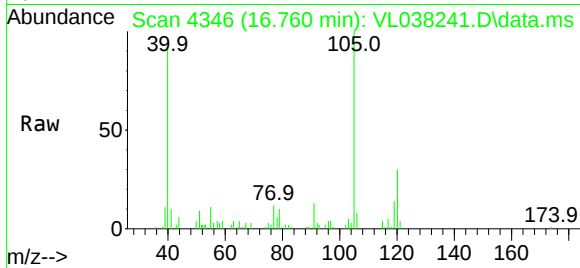
Tgt Ion: 95 Resp: 1188139
Ion Ratio Lower Upper
95 100
174 63.6 54.6 81.8
175 4.7 4.1 6.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.169 ppbv
 RT: 16.760 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL038241.D
 Acq: 29 Dec 2021 20:38

Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOOR



Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.7	39.4	59.2
91	11.0	35.0	52.4
77	12.3	15.6	23.4

Manual Integrations
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Reviewed By :Amit Patel 12/30/2021
 Supervised By :Semsettin Yesilyurt 01/02/2022

