

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022422\
 Data File : VL038437.D
 Acq On : 24 Feb 2022 16:51
 Operator : SY/AP
 Sample : N1605-07DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DUP

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/26/2022
 Supervised By : Mahesh Dadoda 02/28/2022

Quant Time: Feb 25 00:45:31 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.636	49	771671	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.140	114	1859562	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.044	117	1588513	10.000	ppbv	#-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.375 95 1235377 9.399 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.031	85	24173m	0.198	ppbv	
4) Chloromethane	3.125	50	29075m	0.614	ppbv	
9) Propene	3.002	41	97174	2.160	ppbv #	72
10) Heptane	8.086	43	59130	0.540	ppbv	95
11) Trichlorofluoromethane	3.932	101	25203m	0.215	ppbv	
13) Ethanol	3.584	45	3945756	878.786	ppbv	90
15) Acetone	3.829	43	388340	5.918	ppbv #	70
19) Isopropyl Alcohol	3.944	45	4626885	121.758	ppbv #	97
20) Methylene Chloride	4.314	84	32820	1.009	ppbv	94
26) Hexane	5.658	57	500591	6.270	ppbv #	48
29) Chloroform	5.719	83	22472	0.172	ppbv	91
30) Cyclohexane	7.099	84	14361m	0.220	ppbv	
34) 2-Butanone	5.218	43	108771m	1.860	ppbv	
35) Carbon Tetrachloride	6.983	117	8501m	0.065	ppbv	
36) Benzene	6.854	78	116305	0.710	ppbv	95
44) 2,2,4-Trimethylpentane	7.832	57	88795	0.316	ppbv #	78
53) Toluene	9.764	91	1029458	5.792	ppbv	99
58) Ethyl Benzene	12.671	91	41708m	0.192	ppbv	
59) m/p-Xylene	12.925	91	85875m	0.460	ppbv	
60) o-Xylene	13.648	91	33840m	0.192	ppbv	
61) Styrene	13.487	104	12875m	0.158	ppbv	
74) 1,2,4-Trimethylbenzene	16.716	105	22603	0.121	ppbv #	72

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

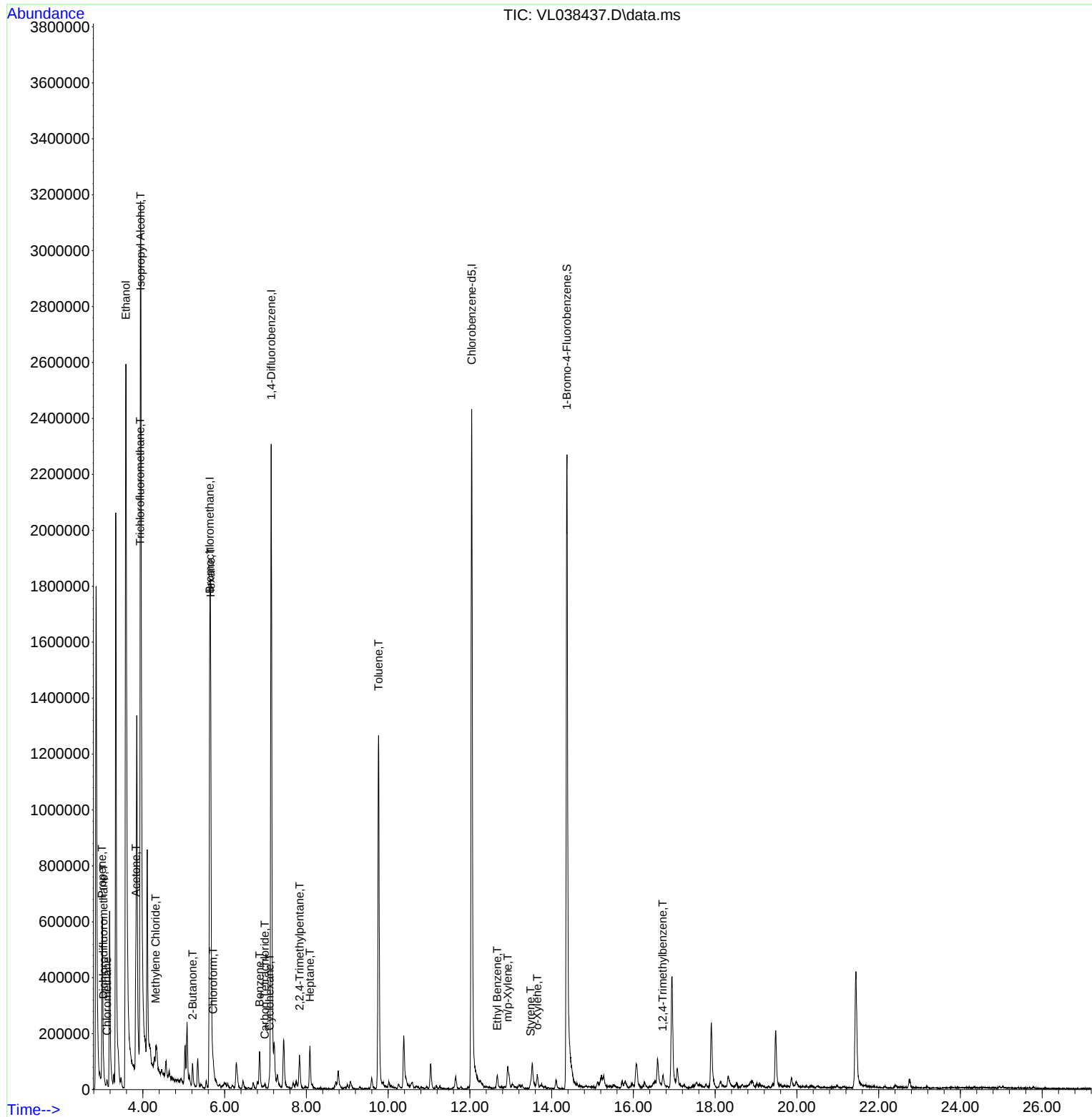
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022422\
Data File : VL038437.D
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Operator : SY/AP
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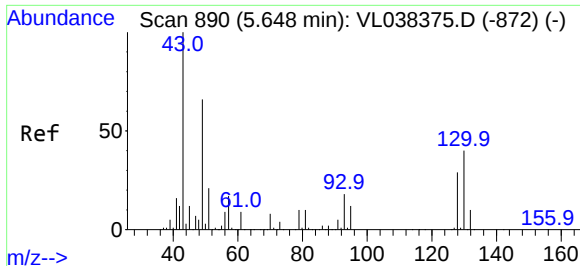
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

Quant Time: Feb 25 00:45:31 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb
QLast Update : Tue Feb 22 19:45:51 2022
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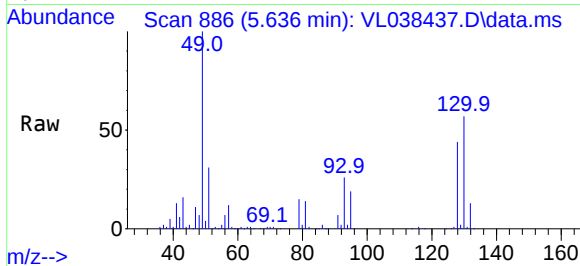
Reviewed By : Semsettin Yesilyurt 02/26/2022
Supervised By : Mahesh Dadoda 02/28/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.636 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

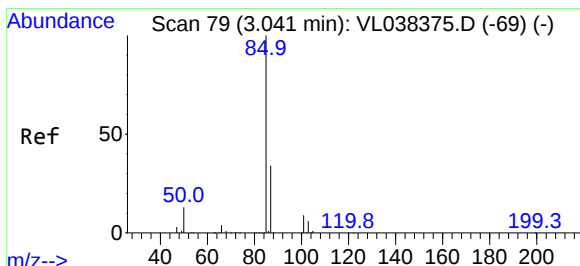
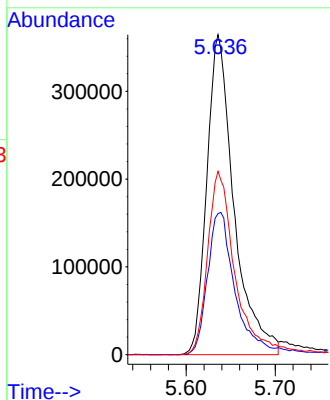
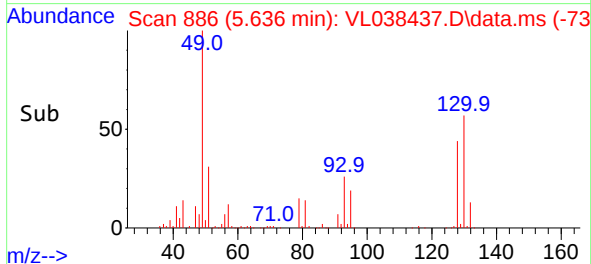
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



Tgt Ion: 49 Resp: 77167
Ion Ratio Lower Upper
49 100
128 46.6 24.3 72.9
130 60.1 30.1 90.5

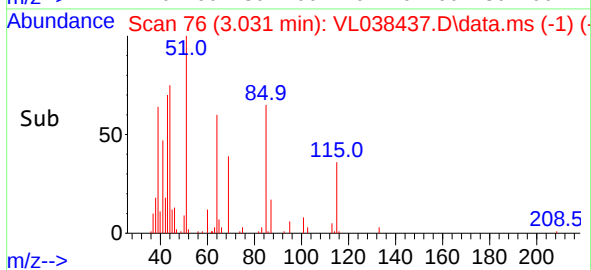
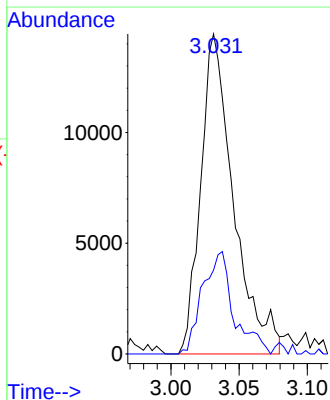
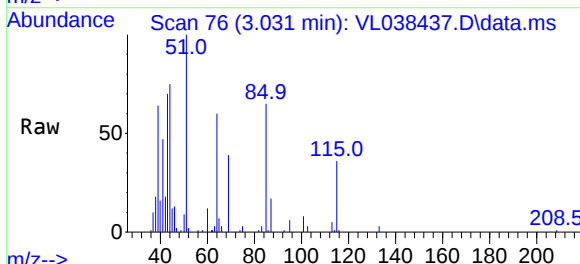
Manual Integrations
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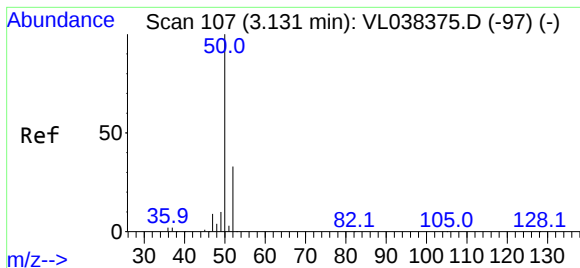
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#2
Dichlorodifluoromethane
Concen: 0.198 ppbv m
RT: 3.031 min Scan# 76
Delta R.T. -0.009 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

Tgt Ion: 85 Resp: 24173
Ion Ratio Lower Upper
85 100
87 26.2 27.4 41.0#





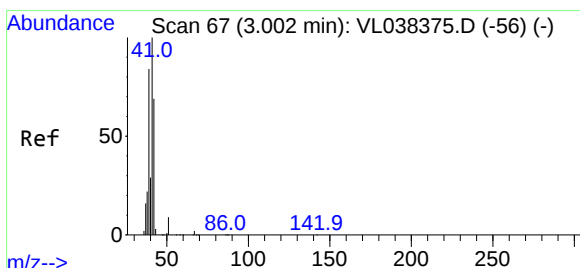
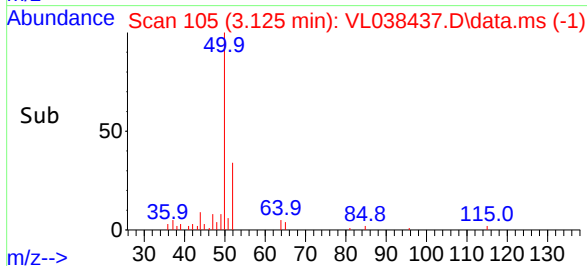
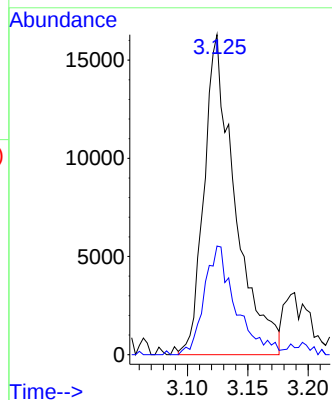
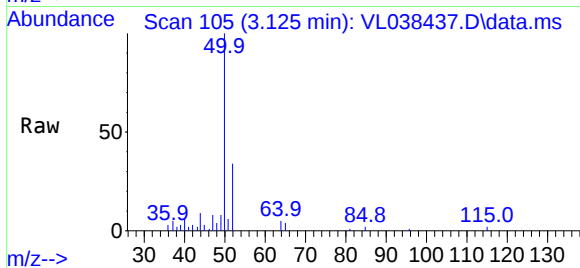
#4
Chloromethane
Concen: 0.614 ppbv m
RT: 3.125 min Scan# 105
Delta R.T. -0.006 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

Tgt Ion: 50 Resp: 2907
Ion Ratio Lower Upper
50 100
52 34.0 26.5 39.7

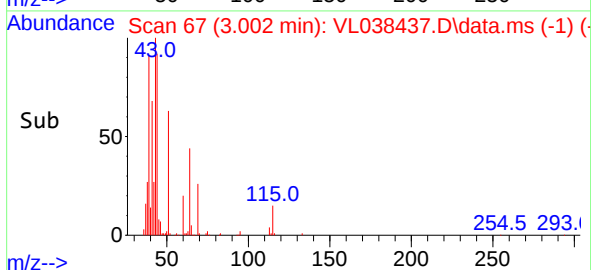
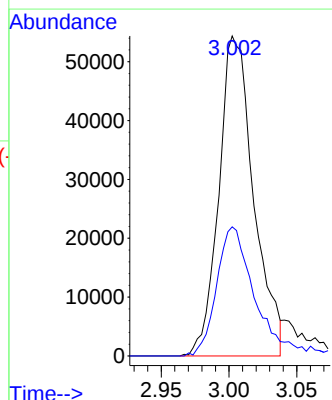
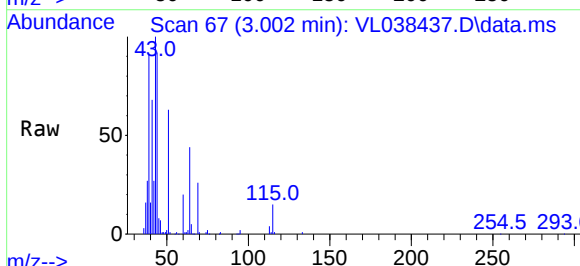
Manual Integrations
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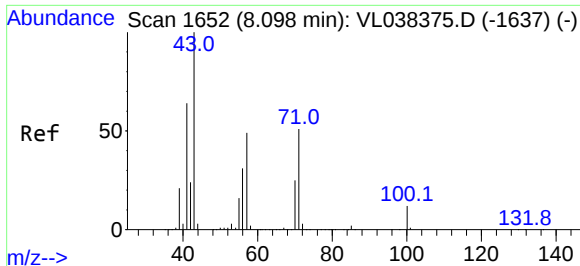
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#9
Propene
Concen: 2.160 ppbv
RT: 3.002 min Scan# 67
Delta R.T. 0.000 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

Tgt Ion: 41 Resp: 97174
Ion Ratio Lower Upper
41 100
42 45.8 54.6 82.0#





#10

Heptane

Concen: 0.540 ppbv

RT: 8.086 min Scan# 1

Delta R.T. -0.013 min

Lab File: VL038437.D

Acq: 24 Feb 2022 16:51

Instrument :

MSVOA_L

ClientSampleId :

IA-2DUP

Tgt Ion: 43 Resp: 59130

Ion Ratio Lower Upper

43 100

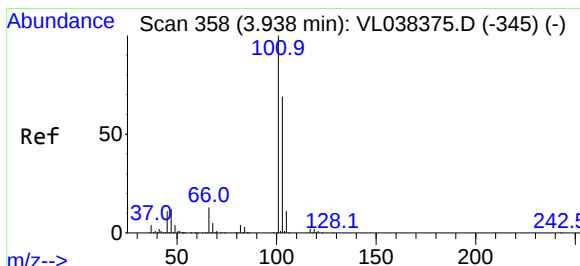
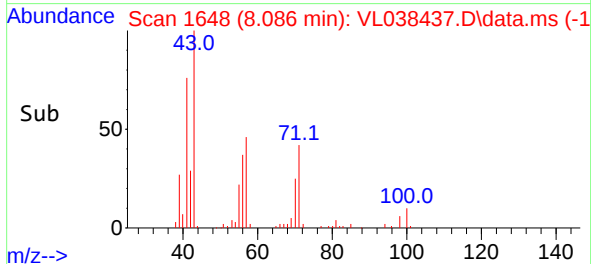
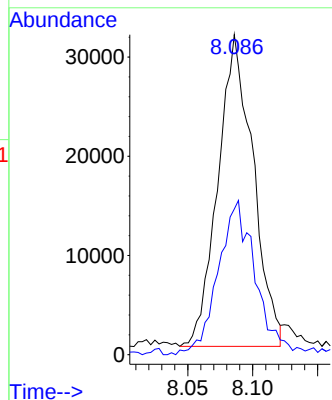
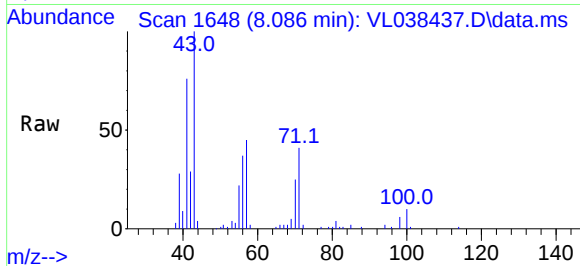
57 53.5 39.8 59.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/26/2022

Supervised By :Mahesh Dadoda 02/28/2022



#11

Trichlorofluoromethane

Concen: 0.215 ppbv m

RT: 3.932 min Scan# 356

Delta R.T. -0.006 min

Lab File: VL038437.D

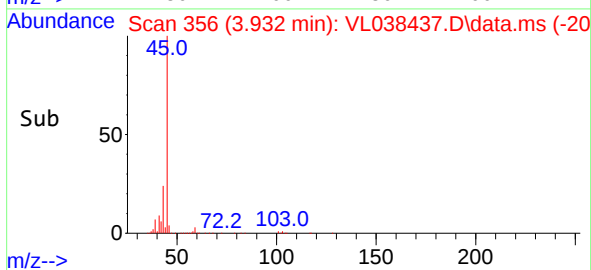
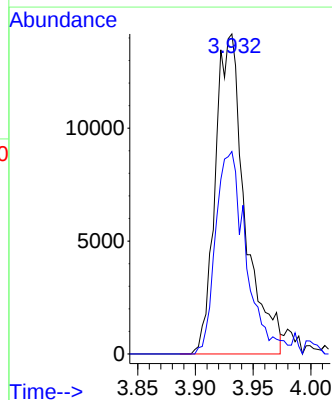
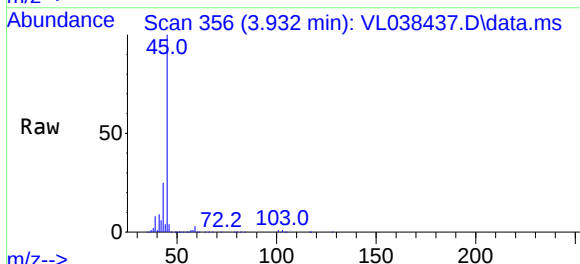
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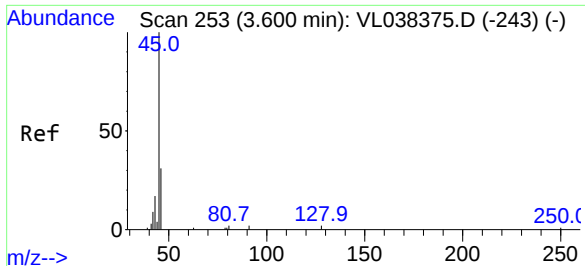
Tgt Ion:101 Resp: 25203

Ion Ratio Lower Upper

101 100

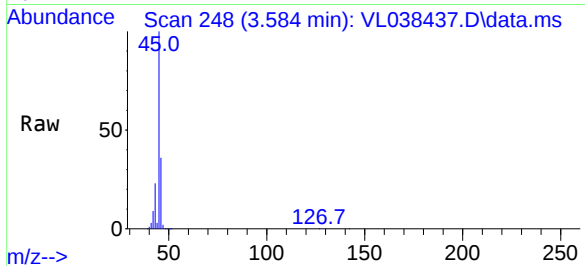
103 63.2 55.0 82.4





#13
Ethanol
Concen: 878.786 ppbv
RT: 3.584 min Scan# 248
Delta R.T. -0.016 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

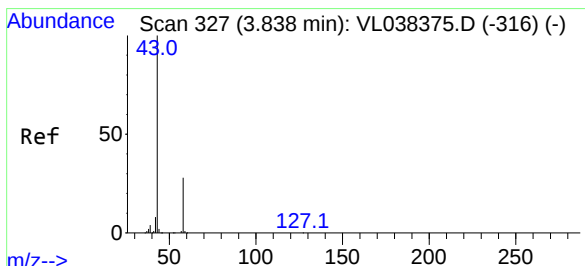
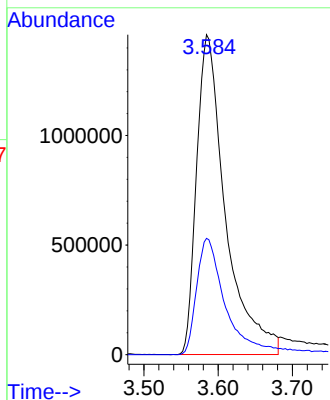
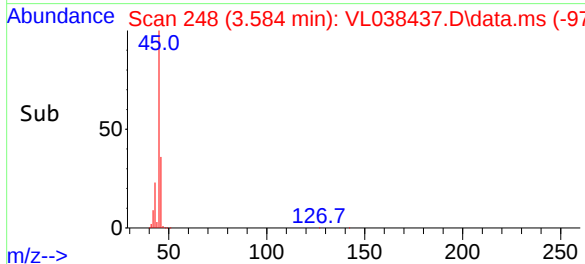
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



Tgt Ion: 45 Resp: 3945750
Ion Ratio Lower Upper
45 100
46 38.6 18.2 72.8

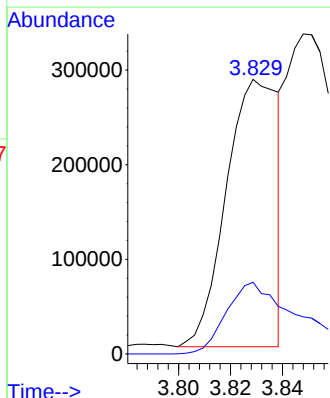
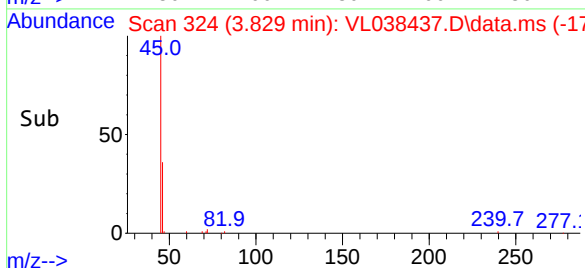
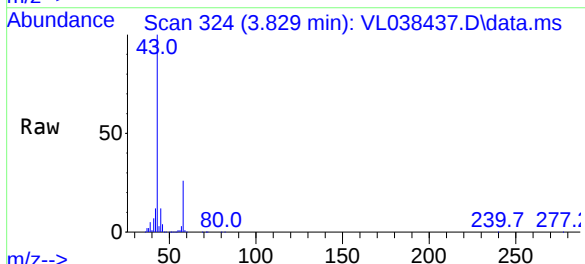
Manual Integrations
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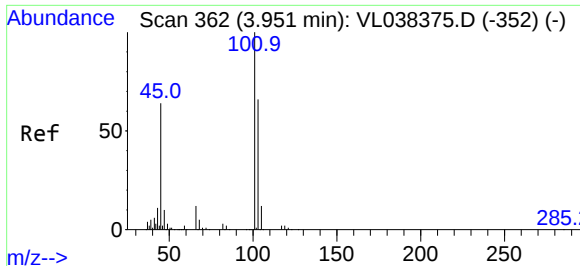
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#15
Acetone
Concen: 5.918 ppbv
RT: 3.829 min Scan# 324
Delta R.T. -0.009 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

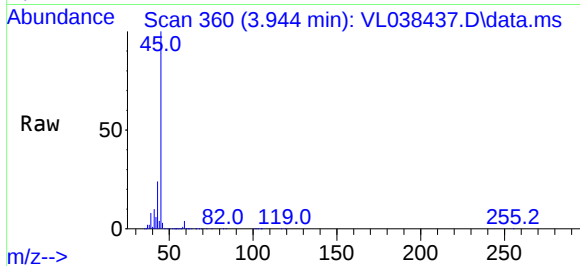
Tgt Ion: 43 Resp: 388340
Ion Ratio Lower Upper
43 100
58 42.4 21.7 32.5#





#19
Isopropyl Alcohol
Concen: 121.758 ppbv
RT: 3.944 min Scan# 30
Delta R.T. -0.006 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

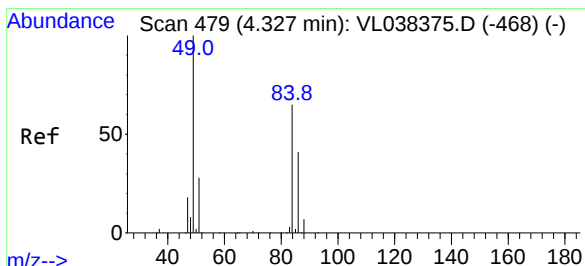
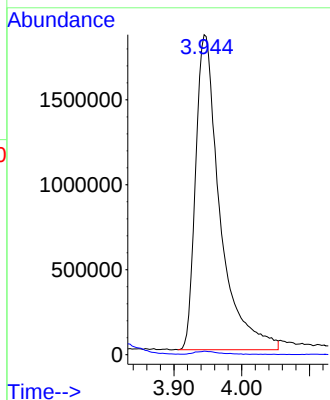
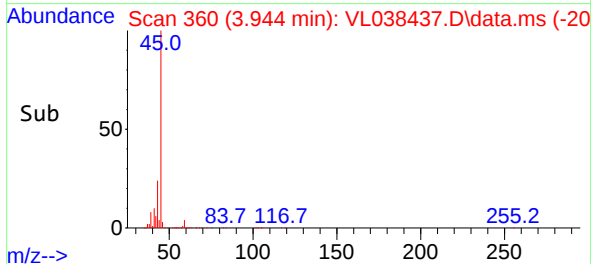
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



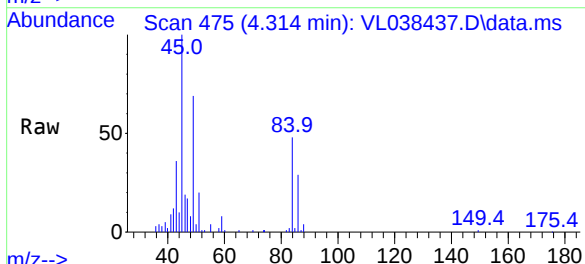
Tgt Ion: 45 Resp: 462688
Ion Ratio Lower Upper
45 100
58 1.3 1.8 2.8

Manual Integrations
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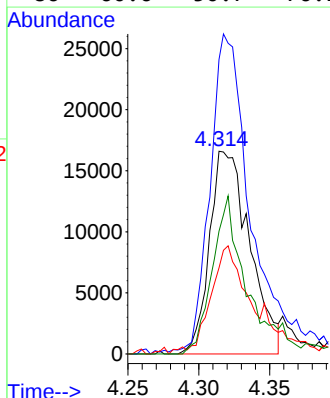
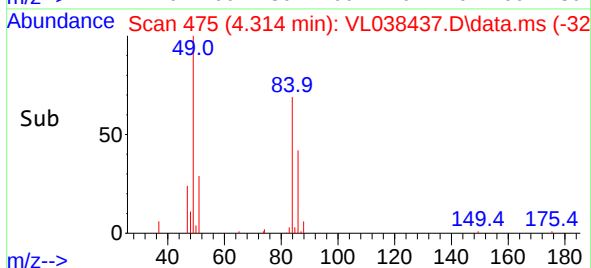
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Supervised By :Mahesh Dadoda 02/28/2022

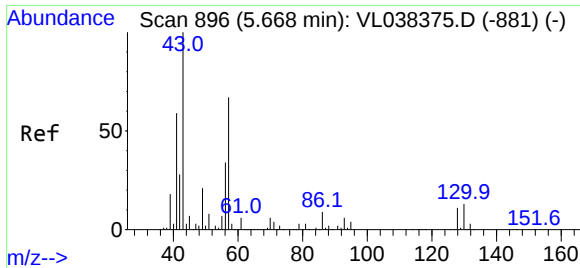


#20
Methylene Chloride
Concen: 1.009 ppbv
RT: 4.314 min Scan# 475
Delta R.T. -0.013 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51



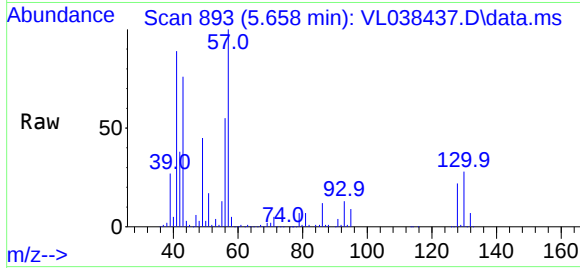
Tgt Ion: 84 Resp: 32820
Ion Ratio Lower Upper
84 100
49 143.3 122.4 183.6
51 40.3 33.3 49.9
86 60.6 50.7 76.1





#26
Hexane
Concen: 6.270 ppbv
RT: 5.658 min Scan# 896
Delta R.T. -0.009 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

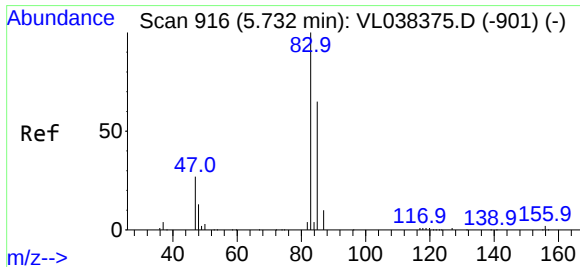
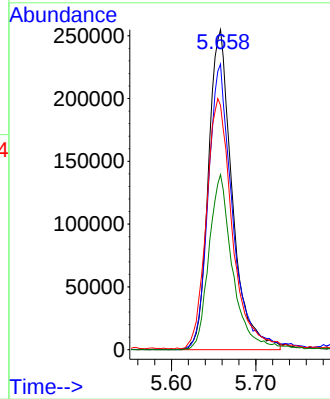
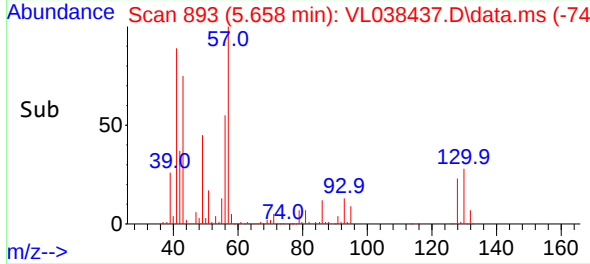
Instrument :
MSVOA_L
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Tgt Ion: 57 Resp: 50059
Ion Ratio Lower Upper
57 100
41 91.4 73.1 109.7
43 87.4 181.0 271.4
56 55.6 43.4 65.0

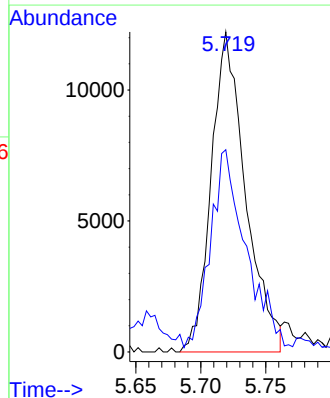
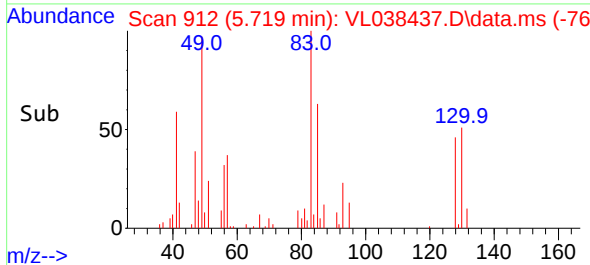
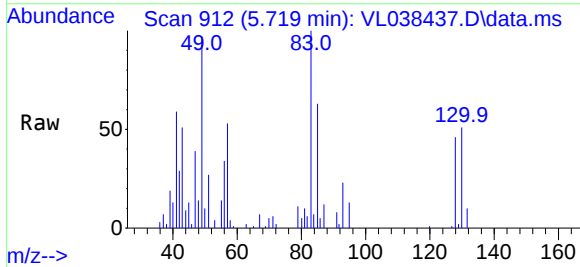
Manual Integrations
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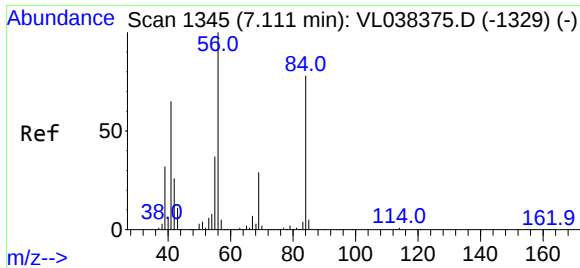
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#29
Chloroform
Concen: 0.172 ppbv
RT: 5.719 min Scan# 912
Delta R.T. -0.013 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

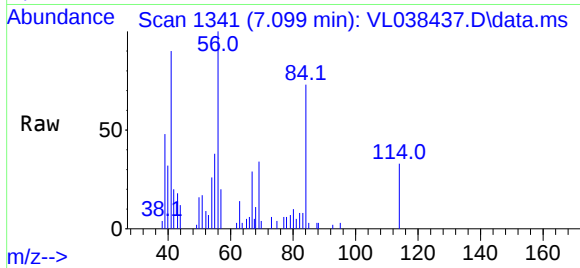
Tgt Ion: 83 Resp: 22472
Ion Ratio Lower Upper
83 100
85 57.7 51.6 77.4





#30
Cyclohexane
Concen: 0.220 ppbv m
RT: 7.099 min Scan# 1341
Delta R.T. -0.013 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

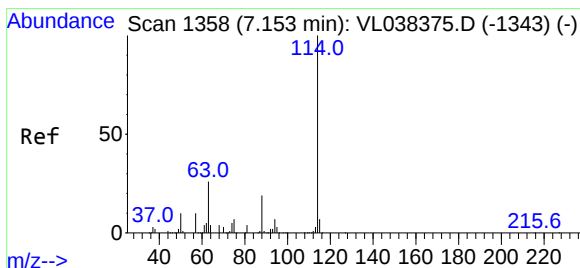
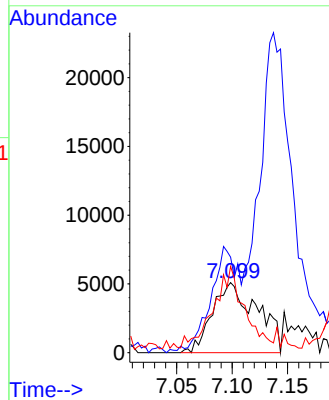
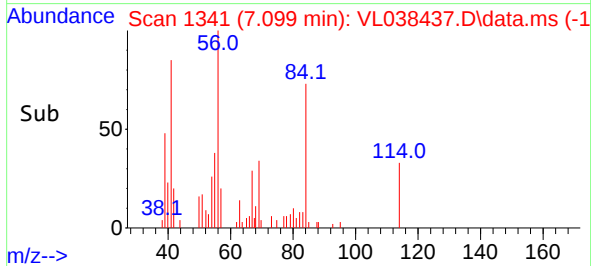
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



Tgt Ion: 84 Resp: 1436
Ion Ratio Lower Upper
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56 0.0 116.2 174.4
41 81.5 74.3 111.5

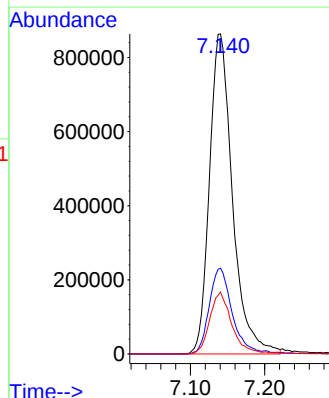
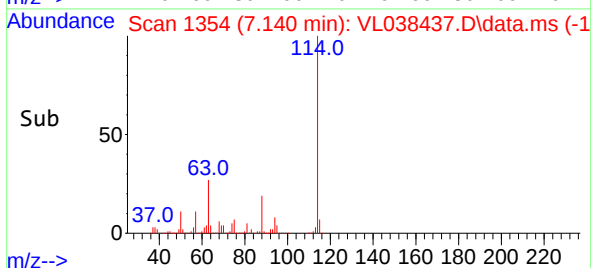
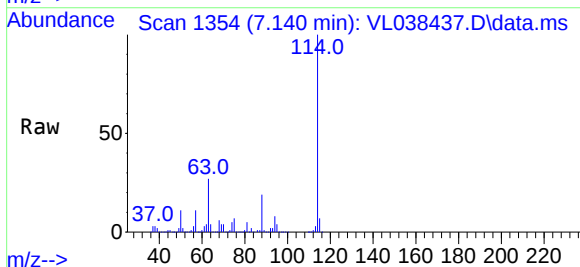
Manual Integrations
APPROVED

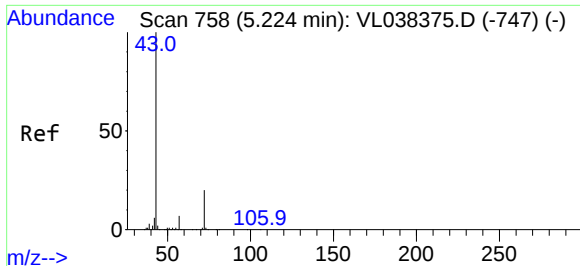
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.140 min Scan# 1354
Delta R.T. -0.013 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

Tgt Ion:114 Resp: 1859562
Ion Ratio Lower Upper
114 100
63 27.3 22.2 33.2
88 18.7 15.2 22.8





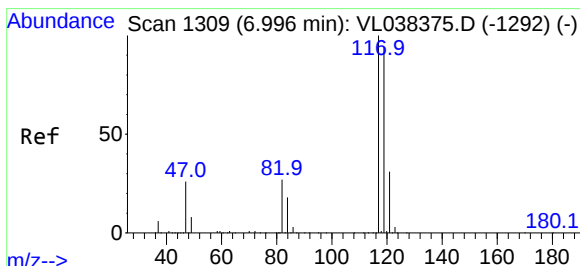
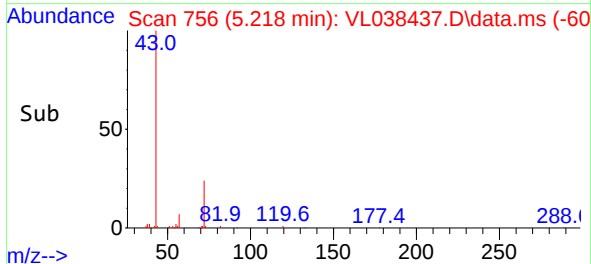
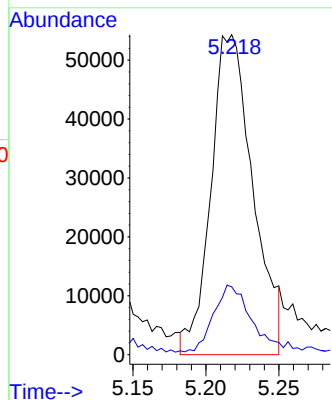
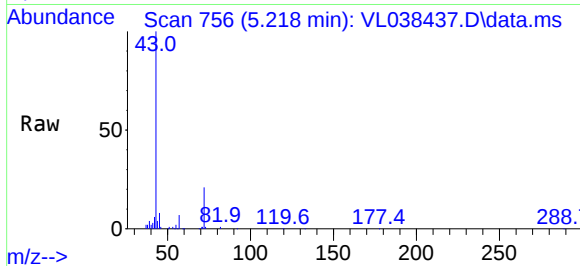
#34
2-Butanone
Concen: 1.860 ppbv m
RT: 5.218 min Scan# 71
Delta R.T. -0.006 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

Tgt Ion: 43 Resp: 10877
Ion Ratio Lower Upper
43 100
72 22.9 17.4 26.2

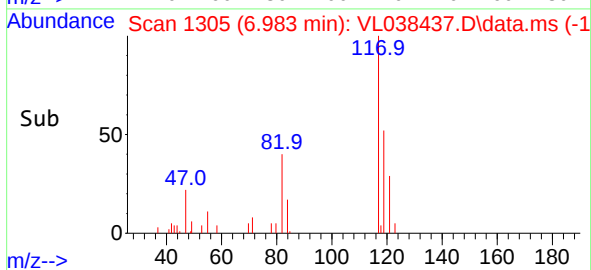
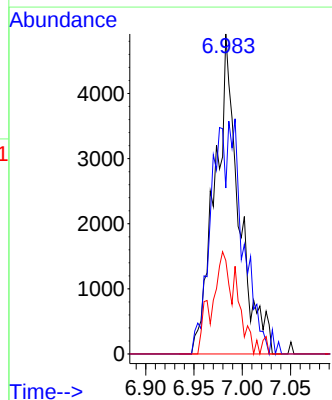
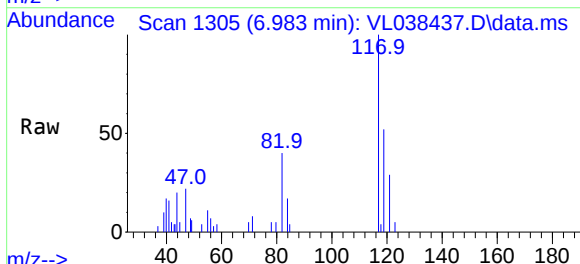
Manual Integrations
APPROVED

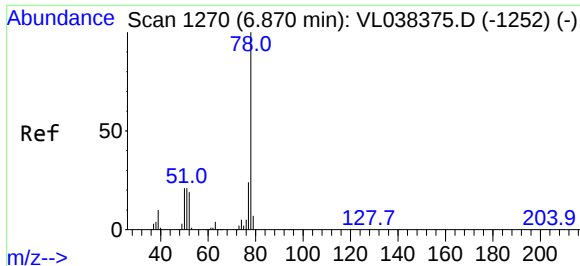
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 6.983 min Scan# 1305
Delta R.T. -0.013 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

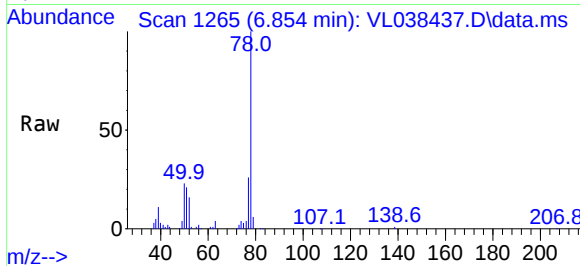
Tgt Ion:117 Resp: 8501
Ion Ratio Lower Upper
117 100
119 51.8 74.9 112.3#
121 29.2 24.8 37.2





#36
Benzene
Concen: 0.710 ppbv
RT: 6.854 min Scan# 11630
Delta R.T. -0.016 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

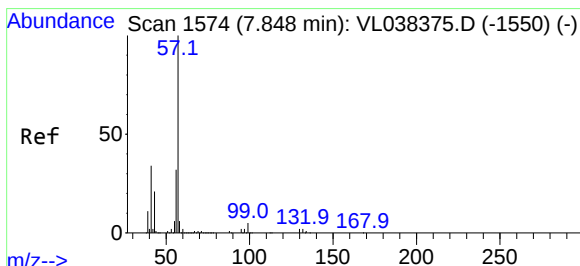
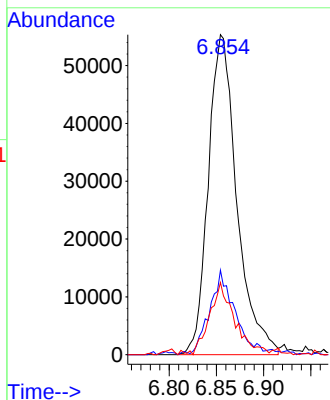
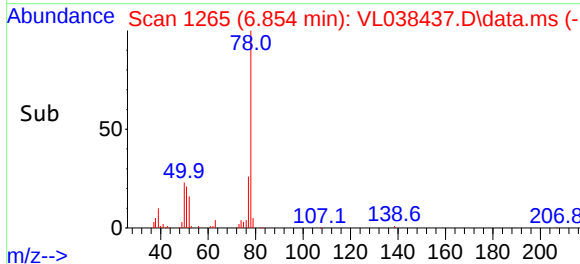
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



Tgt Ion: 78 Resp: 11630
Ion Ratio Lower Upper
78 100
77 26.4 19.0 28.6
50 22.5 16.6 24.8

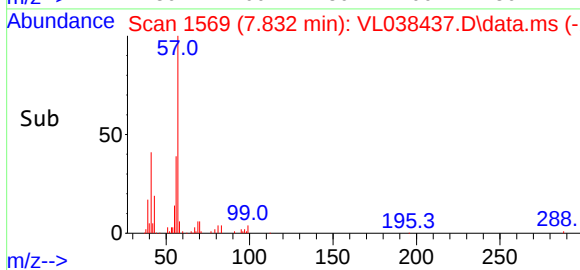
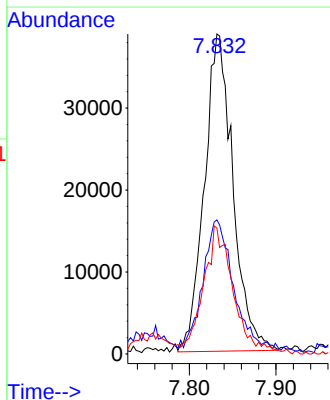
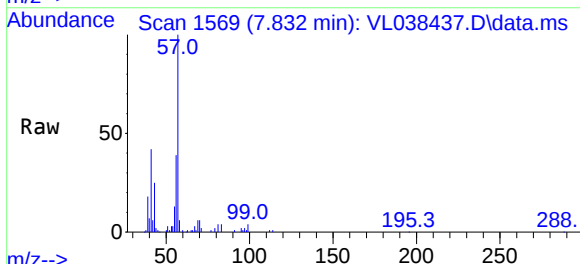
Manual Integrations
APPROVED

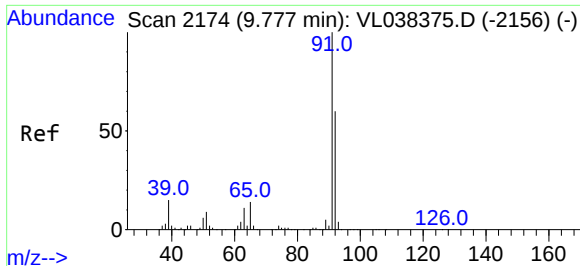
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#44
2,2,4-Trimethylpentane
Concen: 0.316 ppbv
RT: 7.832 min Scan# 1569
Delta R.T. -0.016 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

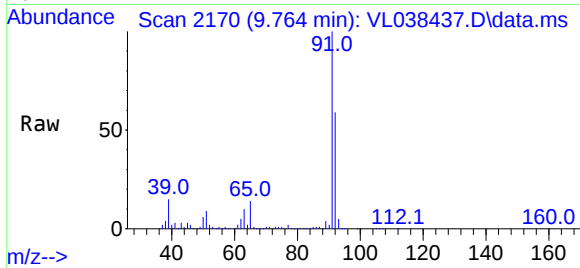
Tgt Ion: 57 Resp: 88795
Ion Ratio Lower Upper
57 100
41 46.7 26.6 39.8#
56 42.6 25.0 37.6#





#53
Toluene
Concen: 5.792 ppbv
RT: 9.764 min Scan# 2174
Delta R.T. -0.013 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

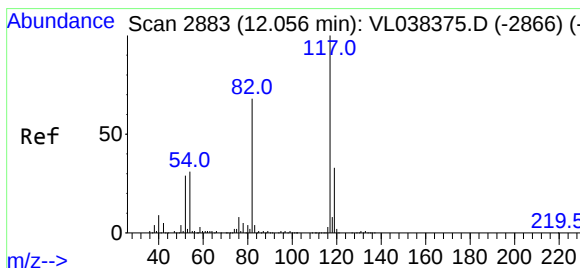
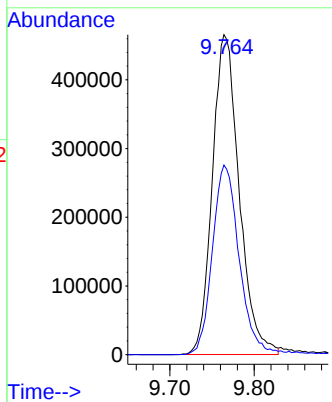
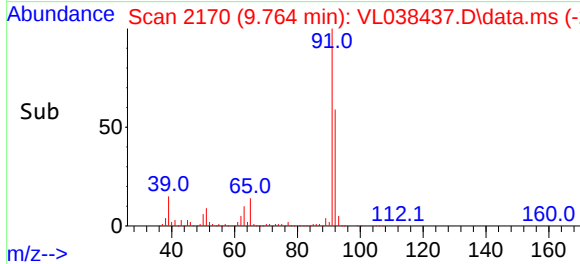
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



Tgt Ion: 91 Resp: 1029458
Ion Ratio Lower Upper
91 100
92 59.9 48.2 72.4

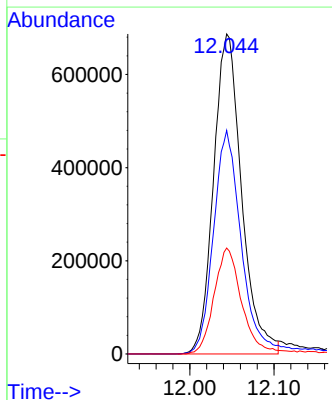
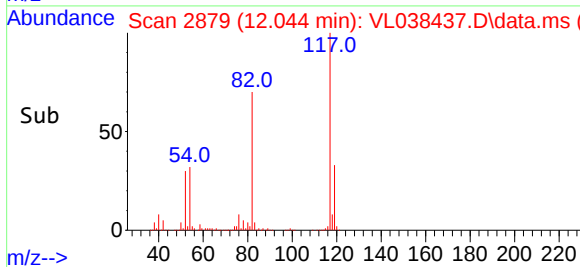
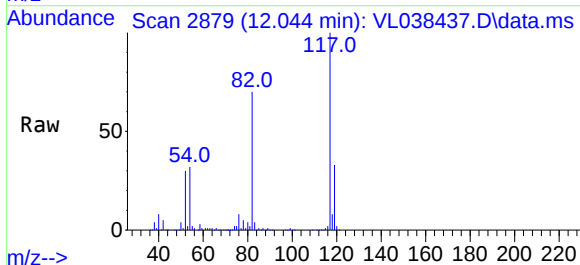
Manual Integrations
APPROVED

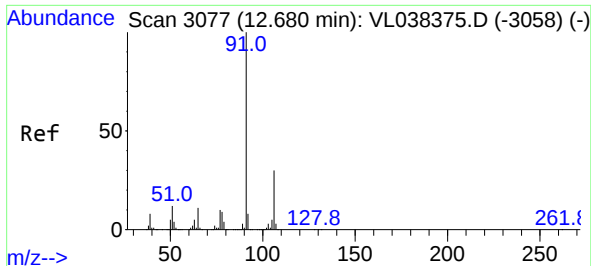
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.044 min Scan# 2879
Delta R.T. -0.013 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

Tgt Ion:117 Resp: 1588513
Ion Ratio Lower Upper
117 100
82 71.9 54.9 82.3
119 33.7 46.1 69.1#





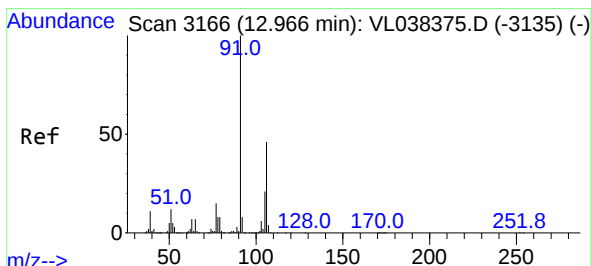
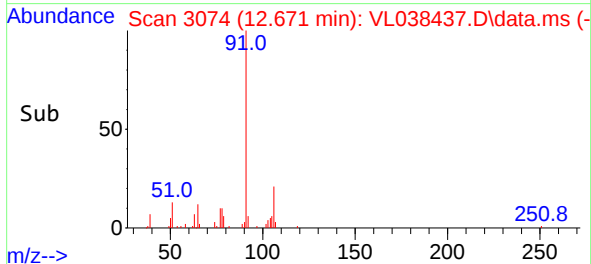
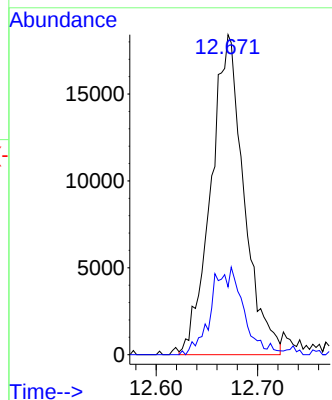
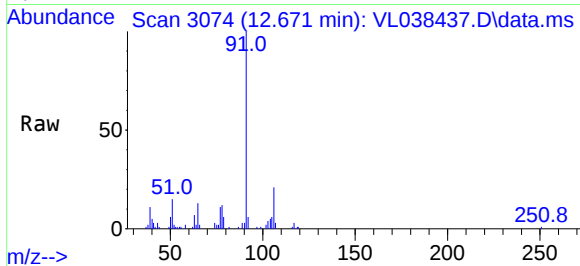
#58
Ethyl Benzene
Concen: 0.192 ppbv m
RT: 12.671 min Scan# 3077
Delta R.T. -0.009 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

Tgt Ion: 91 Resp: 41708
Ion Ratio Lower Upper
91 100
106 21.2 24.0 36.0

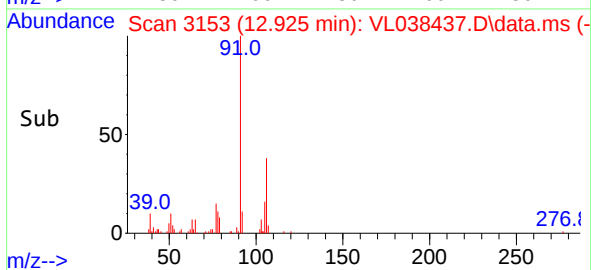
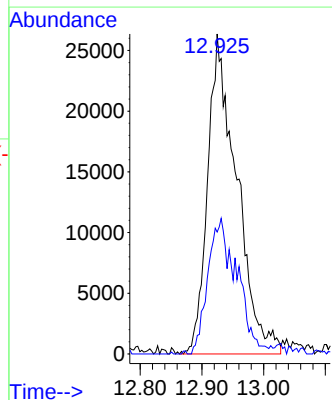
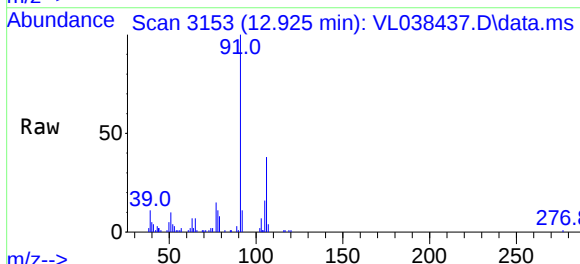
Manual Integrations
APPROVED

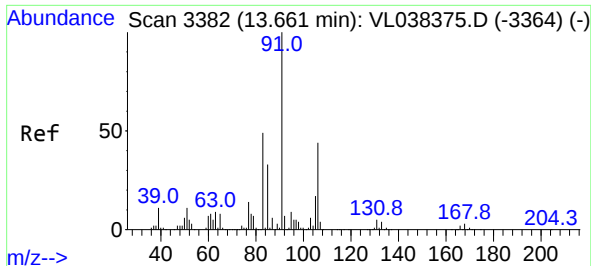
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#59
m/p-Xylene
Concen: 0.460 ppbv m
RT: 12.925 min Scan# 3153
Delta R.T. -0.042 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

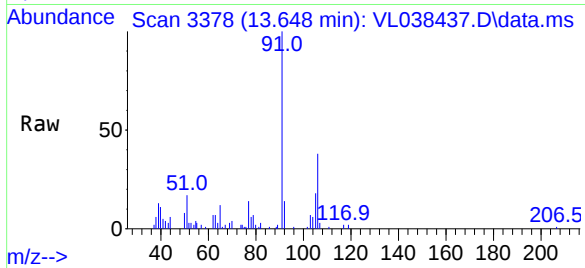
Tgt Ion: 91 Resp: 85875
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6





#60
o-Xylene
Concen: 0.192 ppbv m
RT: 13.648 min Scan# 3384
Delta R.T. -0.013 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

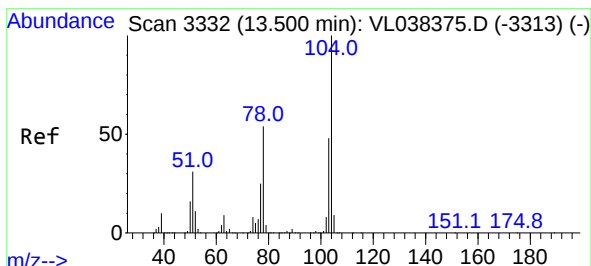
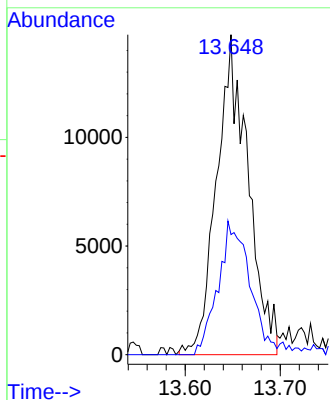
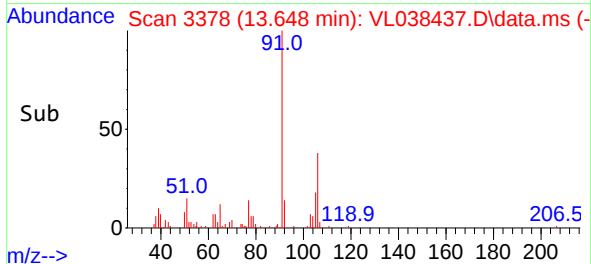
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP



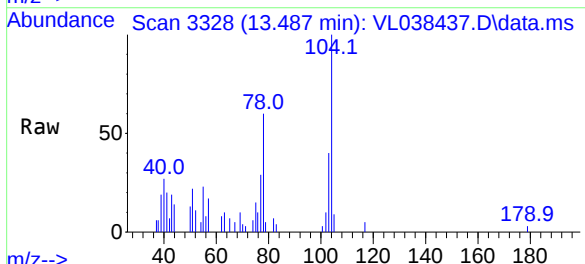
Tgt Ion: 91 Resp: 3384
Ion Ratio Lower Upper
91 100
106 42.8 21.9 65.5

Manual Integrations
APPROVED

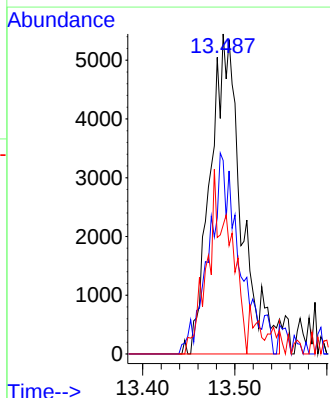
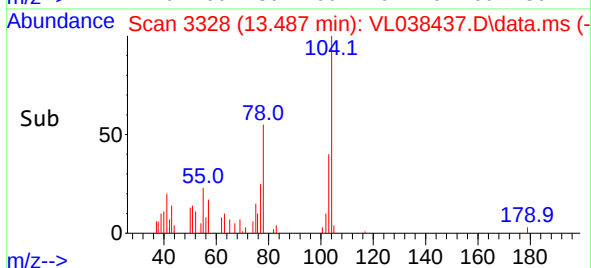
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022

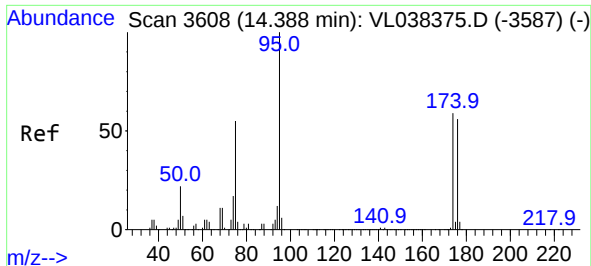


#61
Styrene
Concen: 0.158 ppbv m
RT: 13.487 min Scan# 3328
Delta R.T. -0.013 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51



Tgt Ion:104 Resp: 12875
Ion Ratio Lower Upper
104 100
78 61.5 44.2 66.4
103 49.6 38.4 57.6





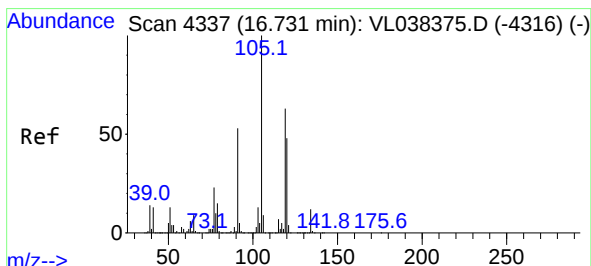
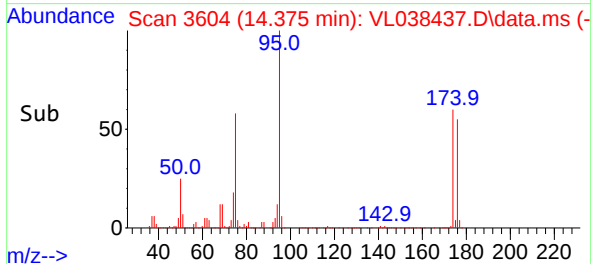
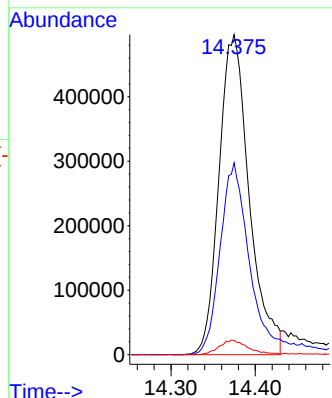
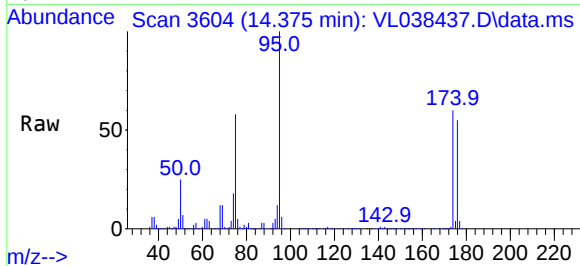
#68
1-Bromo-4-Fluorobenzene
Concen: 9.399 ppbv
RT: 14.375 min Scan# 3064
Delta R.T. -0.013 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

Instrument : MSVOA_L
ClientSampleId : IA-2DUP

Tgt Ion: 95 Resp: 123537
Ion Ratio Lower Upper
95 100
174 62.9 49.0 73.4
175 4.5 3.6 5.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.121 ppbv
RT: 16.716 min Scan# 4332
Delta R.T. -0.016 min
Lab File: VL038437.D
Acq: 24 Feb 2022 16:51

Tgt Ion:105 Resp: 22603
Ion Ratio Lower Upper
105 100
120 49.1 38.2 57.4
91 13.3 42.7 64.1#
77 15.0 18.5 27.7#

