

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051722\
 Data File : VL039076.D
 Acq On : 17 May 2022 19:39
 Operator : SY/AP
 Sample : N2854-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1161-8.01-IA-2DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/18/2022
 Supervised By : Mahesh Dadoda 05/20/2022

Quant Time: May 18 01:52:24 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu May 18 01:52:24 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.677	49	899366	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.185	114	2065198	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.095	117	1737860	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.423 95 1427332 10.371 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.700%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	3.063	85	18132m	0.129	ppbv	
3) Chlorodifluoromethane	2.999	51	197393	1.769	ppbv #	83
4) Chloromethane	3.150	50	9148	0.164	ppbv #	79
9) Propene	3.034	41	41183m	0.845	ppbv	
10) Heptane	8.137	43	31308m	0.262	ppbv	
13) Ethanol	3.607	45	463363	134.348	ppbv	94
15) Acetone	3.857	43	658582	7.763	ppbv	92
19) Isopropyl Alcohol	3.976	45	338671	8.396	ppbv #	93
20) Methylene Chloride	4.359	84	34070	1.066	ppbv	93
26) Hexane	5.693	57	106200	1.177	ppbv #	45
29) Chloroform	5.758	83	15804m	0.108	ppbv	
34) 2-Butanone	5.259	43	95544	0.907	ppbv	92
36) Benzene	6.902	78	48184	0.273	ppbv #	86
41) Tetrahydrofuran	6.073	42	46875m	0.662	ppbv	
44) 2,2,4-Trimethylpentane	7.877	57	100346	0.324	ppbv #	86
50) 4-Methyl-2-Pentanone	8.777	43	26813m	0.145	ppbv	
52) Tetrachloroethene	11.230	164	3195m	0.051	ppbv	
53) Toluene	9.815	91	400649	2.023	ppbv	98
58) Ethyl Benzene	12.719	91	81603	0.326	ppbv	99
59) m/p-Xylene	12.976	91	253039m	1.185	ppbv	
60) o-Xylene	13.693	91	84155m	0.419	ppbv	
74) 1,2,4-Trimethylbenzene	16.767	105	61451m	0.272	ppbv	

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

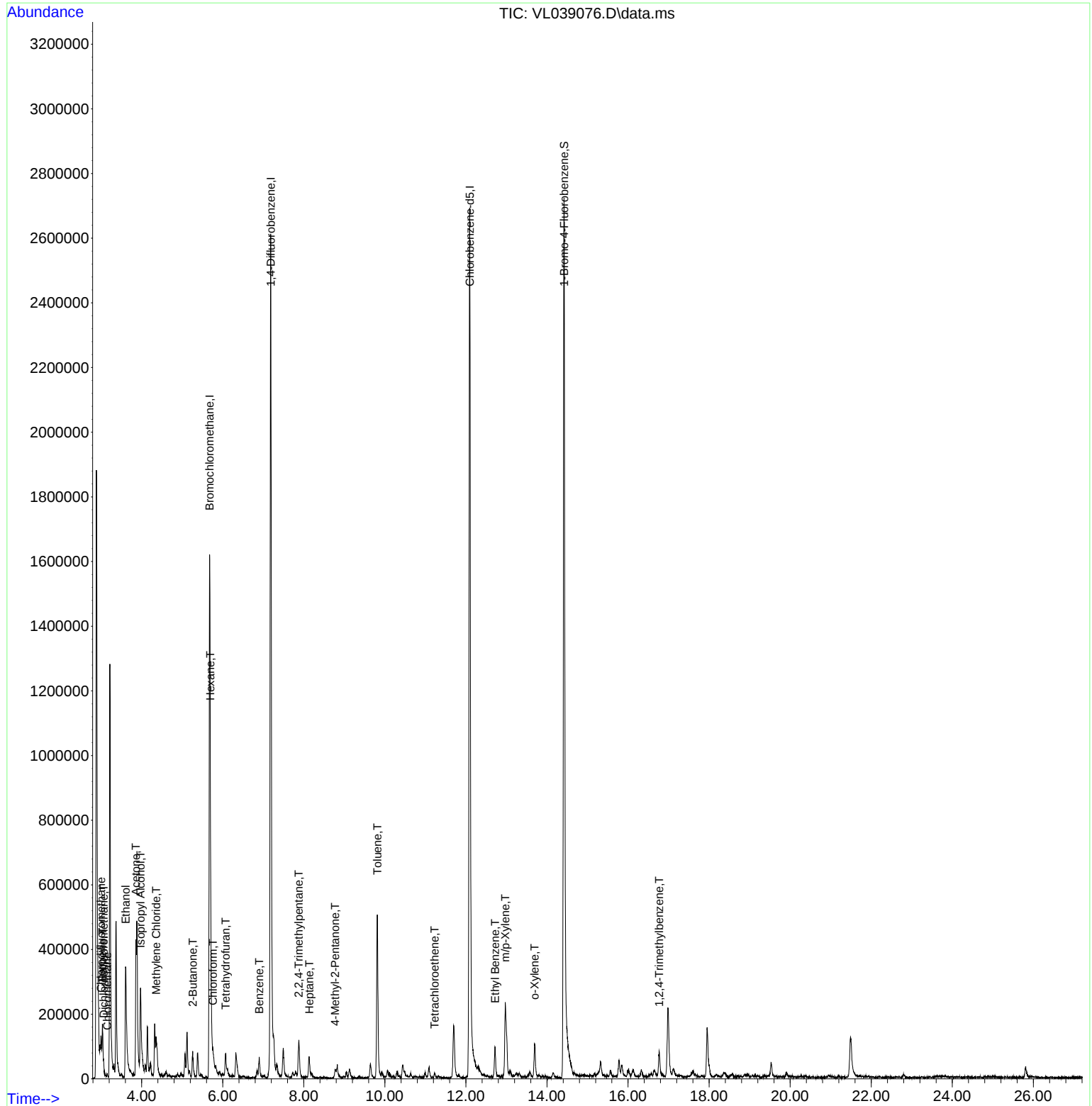
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051722\
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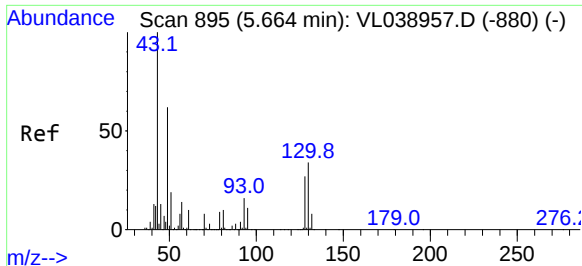
Instrument :
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ClientSampleId :
1161-8.01-IA-2DL

Quant Time: May 18 01:52:24 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 05 10:12:15 2022
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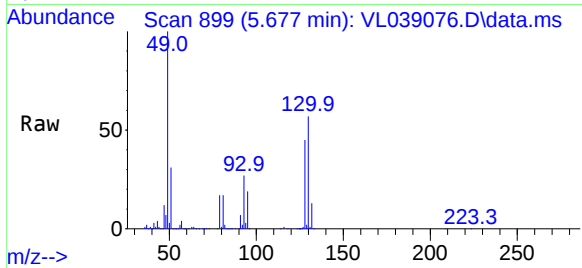
Reviewed By : Semsettin Yesilyurt 05/18/2022
Supervised By : Mahesh Dadoda 05/20/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.677 min Scan# 89
Delta R.T. 0.013 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

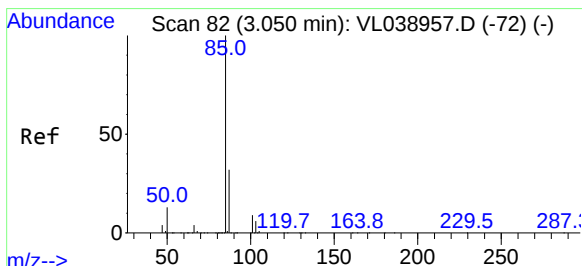
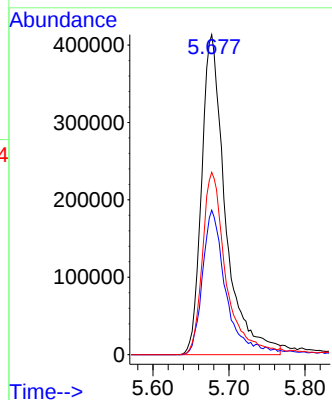
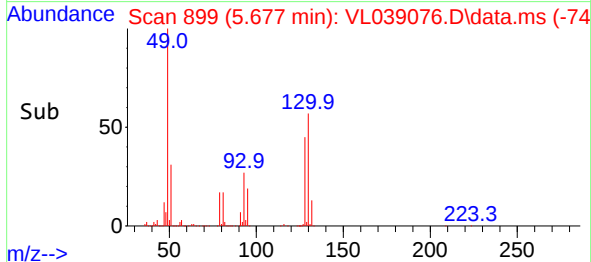
Instrument :
MSVOA_L
ClientSampleId :
1161-8.01-IA-2DL



Tgt Ion: 49 Resp: 899360
Ion Ratio Lower Upper
49 100
128 45.3 23.3 69.8
130 58.1 29.8 89.3

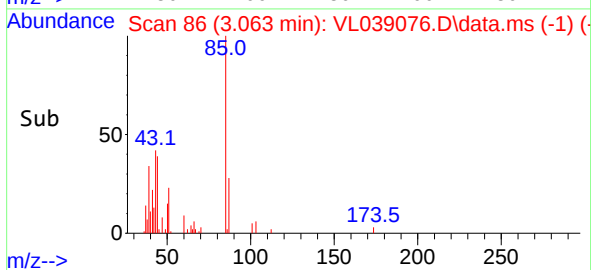
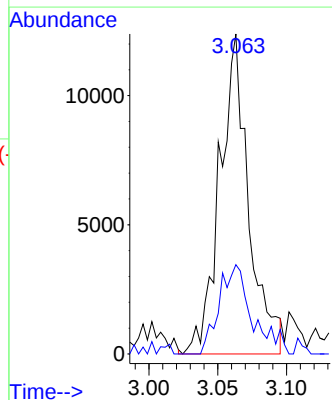
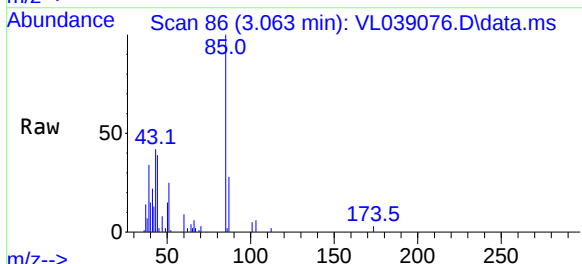
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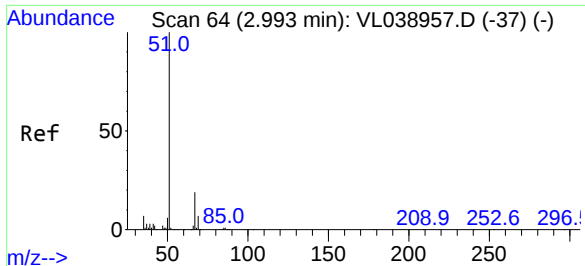
Reviewed By :Semsettin Yesilyurt 05/18/2022
Supervised By :Mahesh Dadoda 05/20/2022



#2
Dichlorodifluoromethane
Concen: 0.129 ppbv m
RT: 3.063 min Scan# 86
Delta R.T. 0.013 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

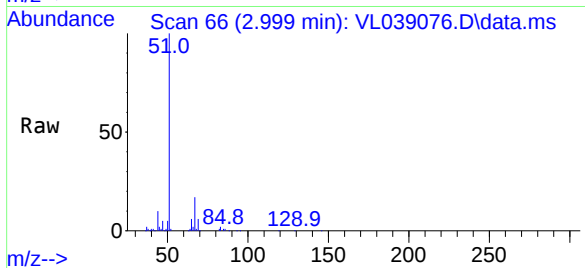
Tgt Ion: 85 Resp: 18132
Ion Ratio Lower Upper
85 100
87 27.9 25.7 38.5





#3
Chlorodifluoromethane
Concen: 1.769 ppbv
RT: 2.999 min Scan# 60
Delta R.T. 0.006 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

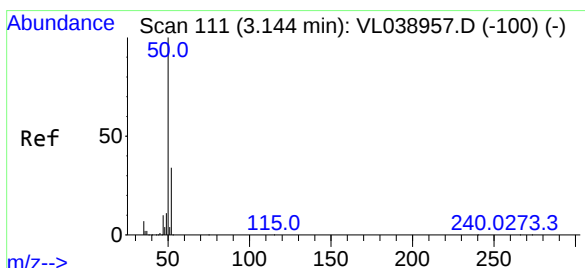
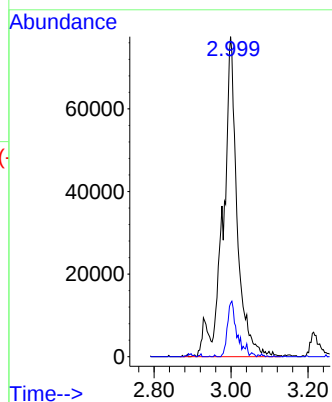
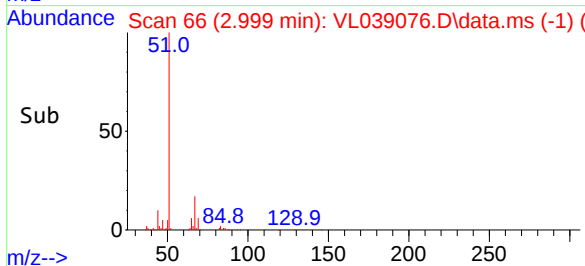
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ClientSampleId :
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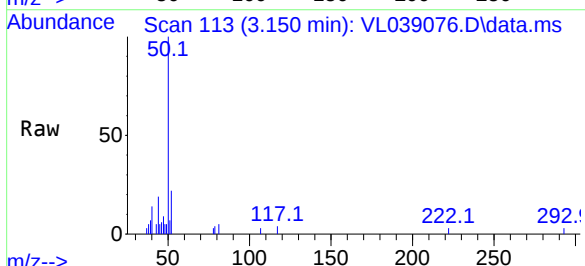
Tgt Ion: 51 Resp: 19739
Ion Ratio Lower Upper
51 100
67 12.2 15.8 23.8

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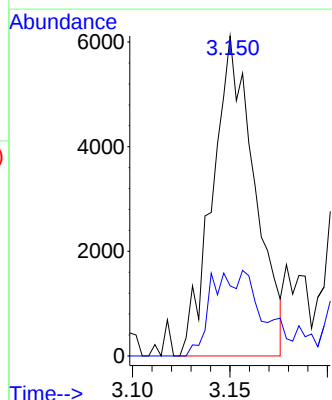
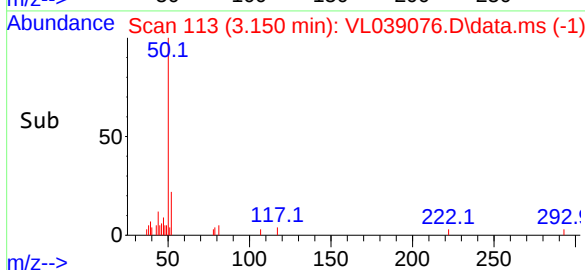
Reviewed By :Semsettin Yesilyurt 05/18/2022
Supervised By :Mahesh Dadoda 05/20/2022

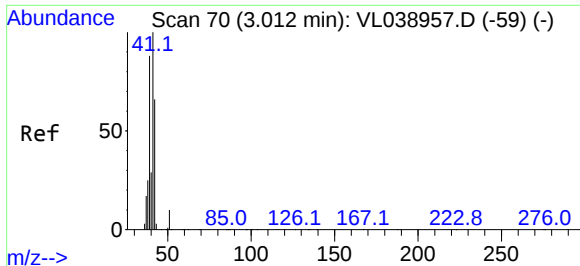


#4
Chloromethane
Concen: 0.164 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.006 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39



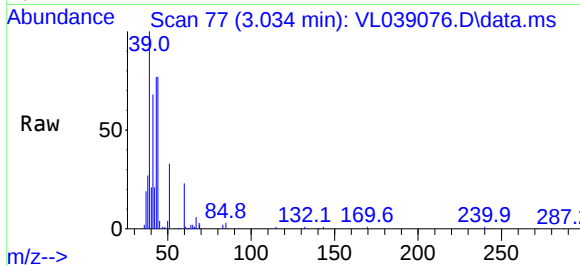
Tgt Ion: 50 Resp: 9148
Ion Ratio Lower Upper
50 100
52 21.9 27.3 40.9





#9
Propene
Concen: 0.845 ppbv m
RT: 3.034 min Scan# 71
Delta R.T. 0.022 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

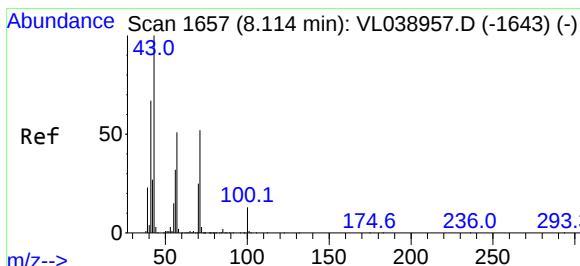
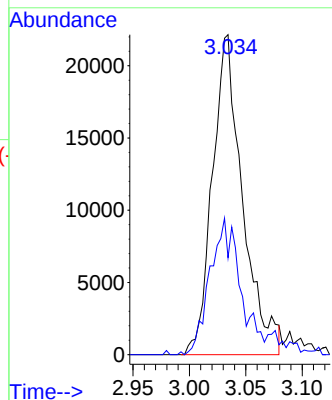
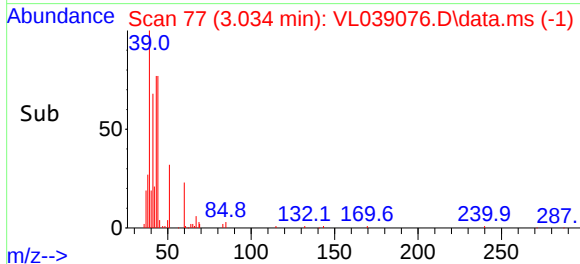
Instrument :
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ClientSampleId :
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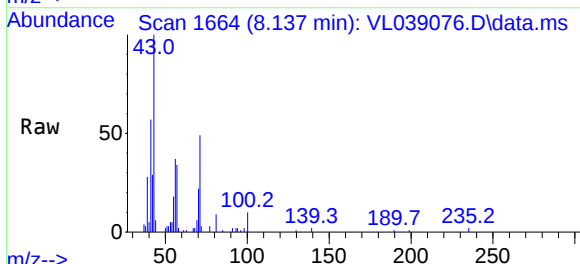
Tgt Ion: 41 Resp: 4118
Ion Ratio Lower Upper
41 100
42 742.6 58.3 87.5

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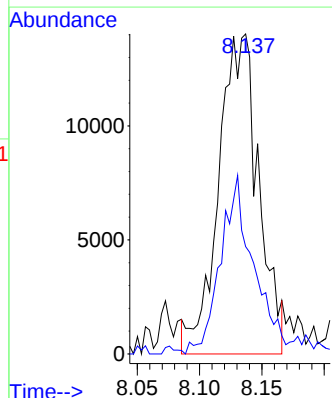
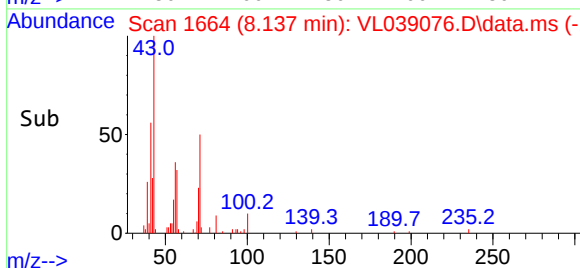
Reviewed By :Semsettin Yesilyurt 05/18/2022
Supervised By :Mahesh Dadoda 05/20/2022

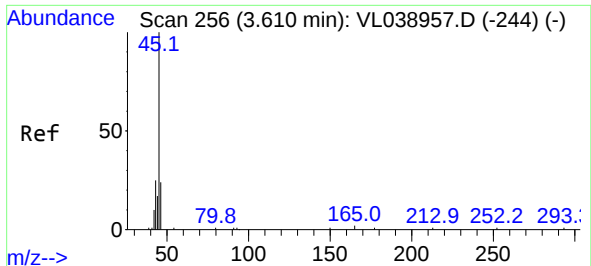


#10
Heptane
Concen: 0.262 ppbv m
RT: 8.137 min Scan# 1664
Delta R.T. 0.022 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39



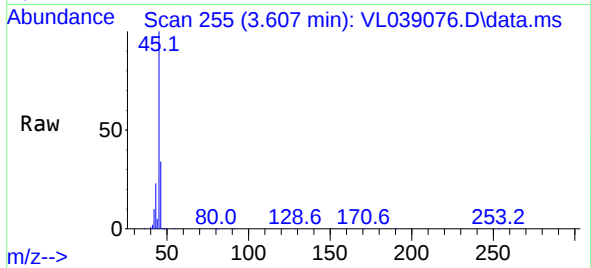
Tgt Ion: 43 Resp: 31308
Ion Ratio Lower Upper
43 100
57 50.1 40.5 60.7





#13
Ethanol
Concen: 134.348 ppbv
RT: 3.607 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

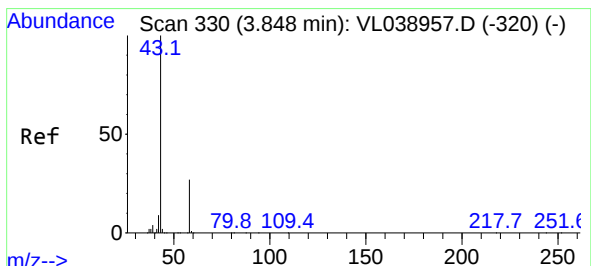
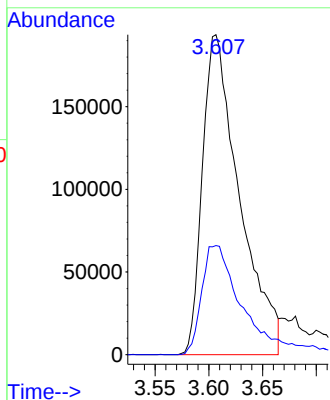
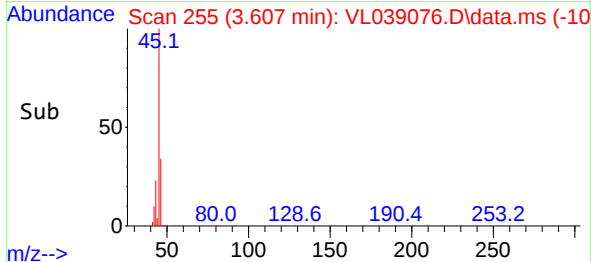
Instrument :
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ClientSampleId :
1161-8.01-IA-2DL



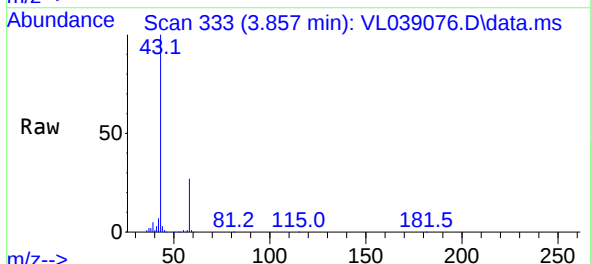
Tgt Ion: 45 Resp: 46336
Ion Ratio Lower Upper
45 100
46 41.0 18.0 72.2

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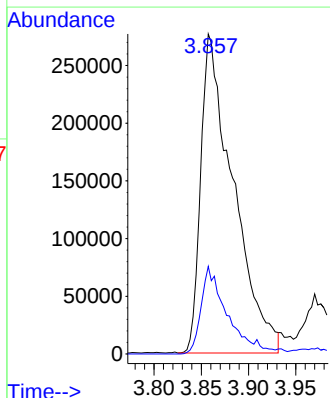
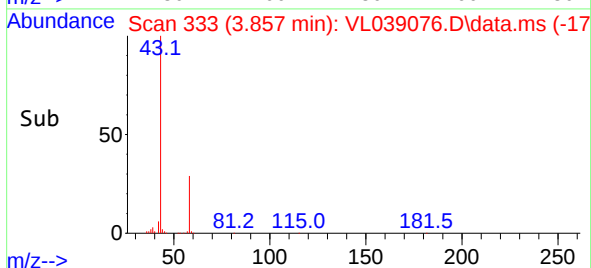
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Supervised By :Mahesh Dadoda 05/20/2022

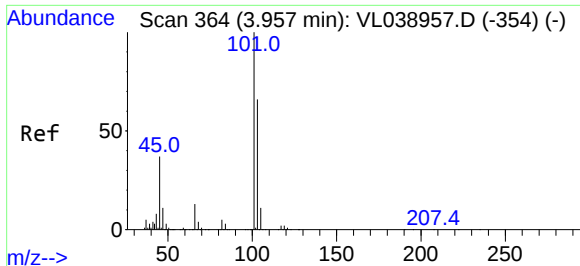


#15
Acetone
Concen: 7.763 ppbv
RT: 3.857 min Scan# 333
Delta R.T. 0.010 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39



Tgt Ion: 43 Resp: 658582
Ion Ratio Lower Upper
43 100
58 22.5 21.3 31.9





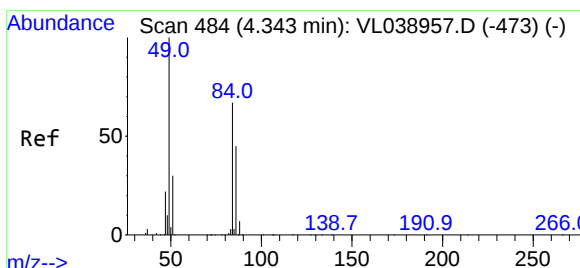
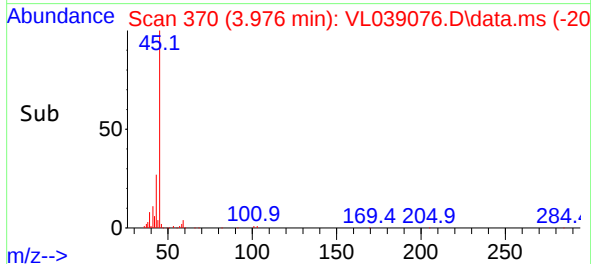
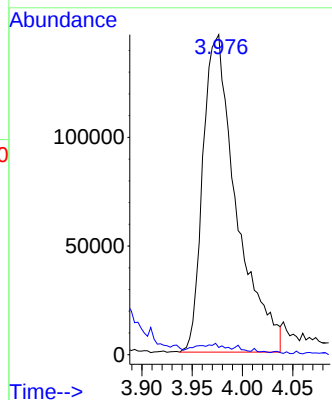
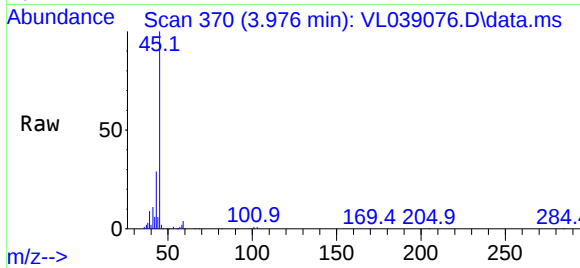
#19
Isopropyl Alcohol
Concen: 8.396 ppbv
RT: 3.976 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

Instrument :
MSVOA_L
ClientSampleId :
1161-8.01-IA-2DL

Tgt Ion: 45 Resp: 33867
Ion Ratio Lower Upper
45 100
58 4.5 1.4 2.2

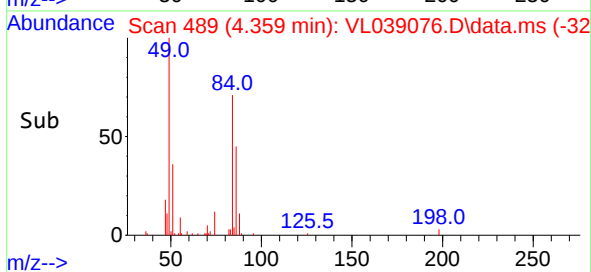
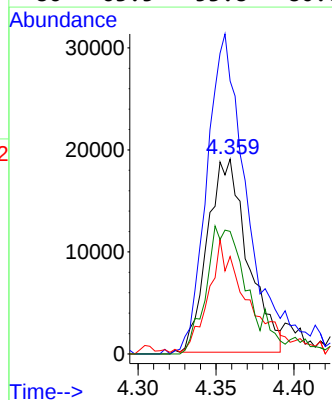
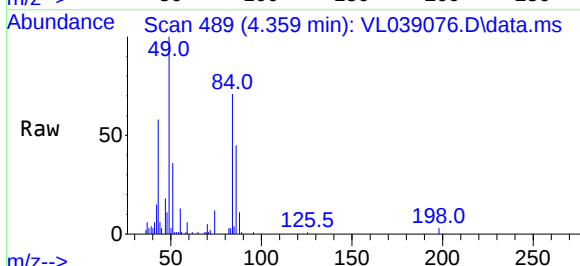
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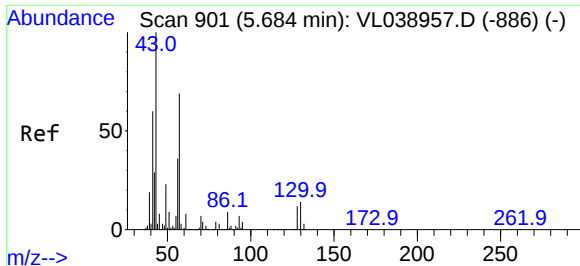
Reviewed By :Semsettin Yesilyurt 05/18/2022
Supervised By :Mahesh Dadoda 05/20/2022



#20
Methylene Chloride
Concen: 1.066 ppbv
RT: 4.359 min Scan# 489
Delta R.T. 0.016 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

Tgt Ion: 84 Resp: 34070
Ion Ratio Lower Upper
84 100
49 139.1 119.9 179.9
51 49.3 35.7 53.5
86 63.5 53.8 80.6





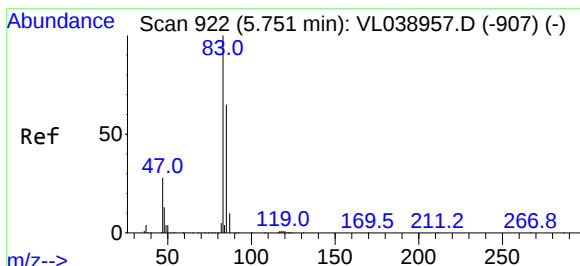
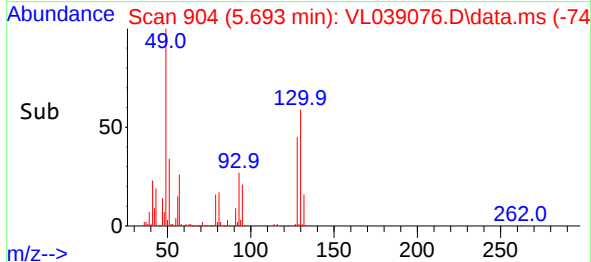
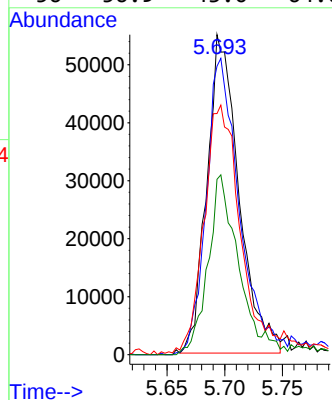
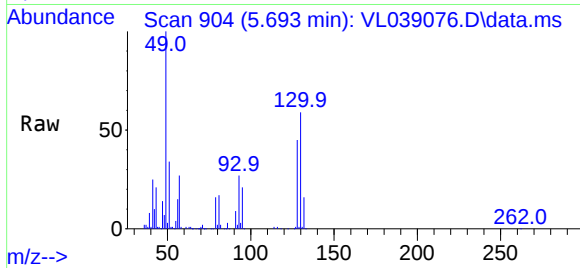
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Hexane
Concen: 1.177 ppbv
RT: 5.693 min Scan# 901
Delta R.T. 0.010 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

Instrument :
MSVOA_L
ClientSampleId :
1161-8.01-IA-2DL

Tgt Ion: 57 Resp: 106200
Ion Ratio Lower Upper
57 100
41 98.9 75.2 112.8
43 92.7 190.8 286.2
56 56.9 43.0 64.6

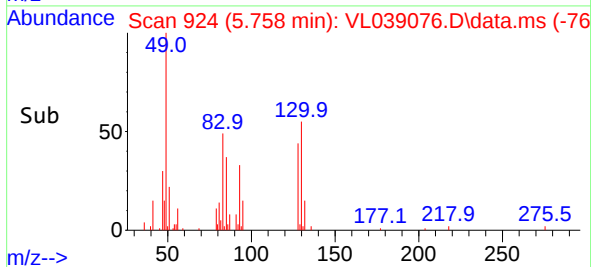
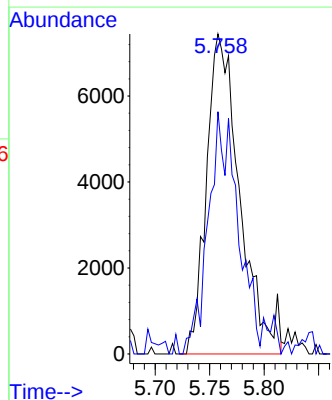
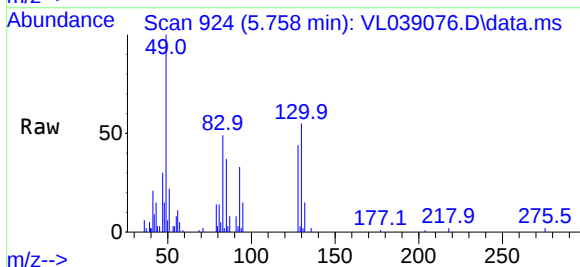
Manual Integrations
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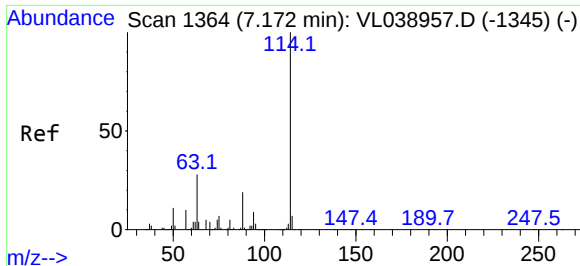
Reviewed By :Semsettin Yesilyurt 05/18/2022
Supervised By :Mahesh Dadoda 05/20/2022



#29
Chloroform
Concen: 0.108 ppbv m
RT: 5.758 min Scan# 924
Delta R.T. 0.006 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

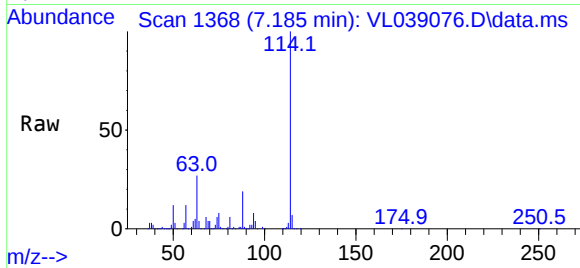
Tgt Ion: 83 Resp: 15804
Ion Ratio Lower Upper
83 100
85 75.7 51.8 77.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.185 min Scan# 1161
Delta R.T. 0.013 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

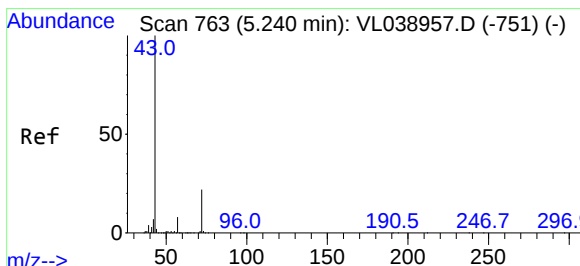
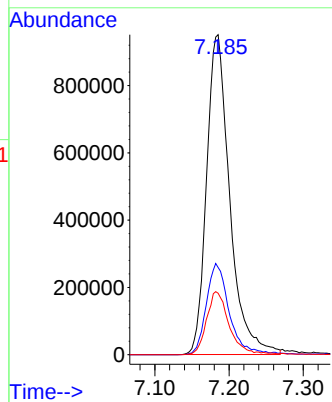
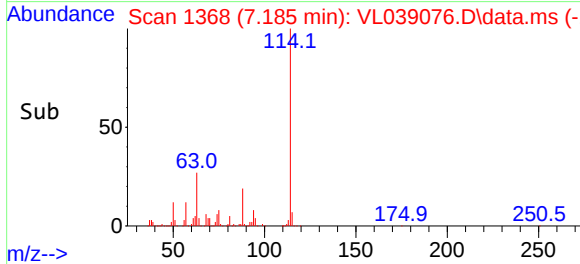
Instrument :
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1161-8.01-IA-2DL



Tgt Ion:114 Resp: 2065198
Ion Ratio Lower Upper
114 100
63 28.6 22.6 33.8
88 19.5 15.4 23.0

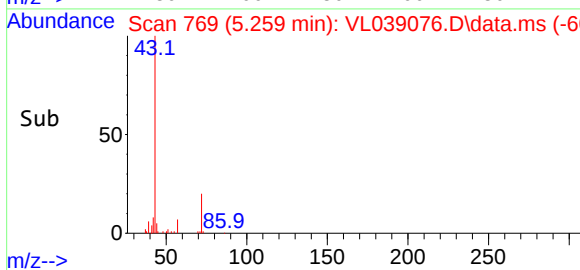
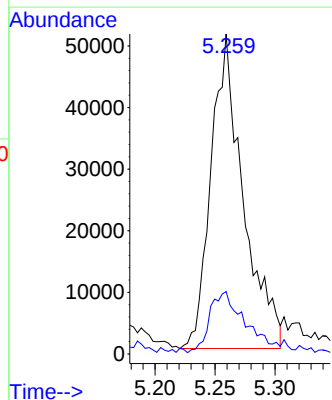
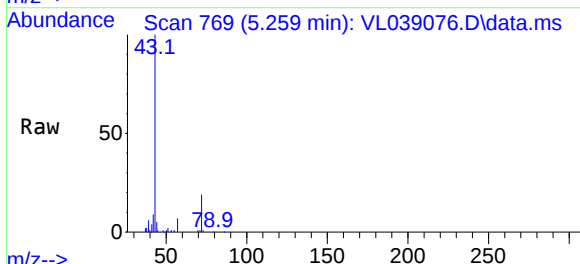
Manual Integrations
APPROVED

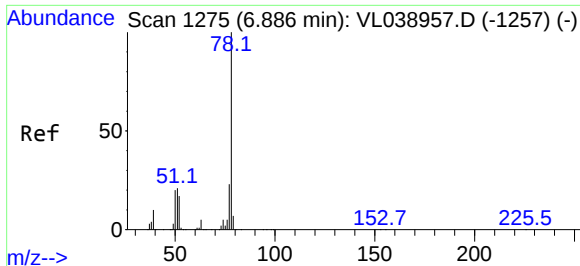
Reviewed By :Semsettin Yesilyurt 05/18/2022
Supervised By :Mahesh Dadoda 05/20/2022



#34
2-Butanone
Concen: 0.907 ppbv
RT: 5.259 min Scan# 769
Delta R.T. 0.019 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

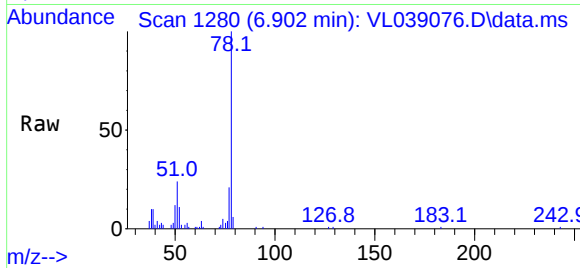
Tgt Ion: 43 Resp: 95544
Ion Ratio Lower Upper
43 100
72 26.2 17.8 26.6





#36
Benzene
Concen: 0.273 ppbv
RT: 6.902 min Scan# 1161
Delta R.T. 0.016 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

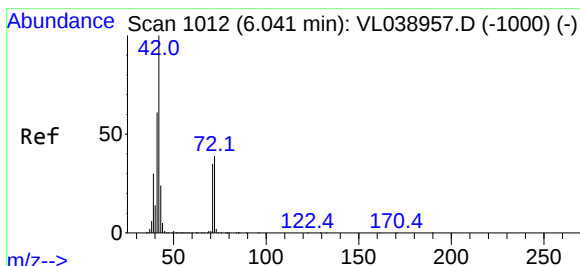
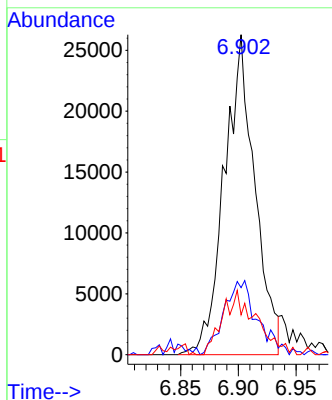
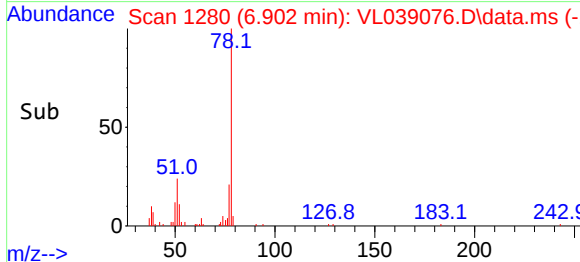
Instrument :
MSVOA_L
ClientSampleId :
1161-8.01-IA-2DL



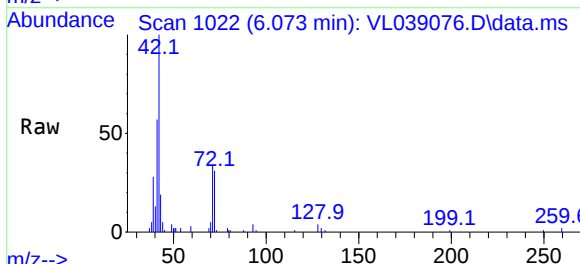
Tgt Ion: 78 Resp: 48184
Ion Ratio Lower Upper
78 100
77 18.9 18.6 28.0
50 10.6 15.6 23.4

Manual Integrations
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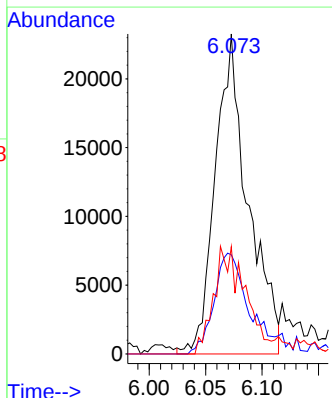
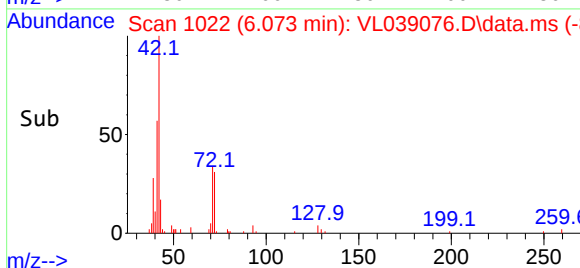
Reviewed By :Semsettin Yesilyurt 05/18/2022
Supervised By :Mahesh Dadoda 05/20/2022

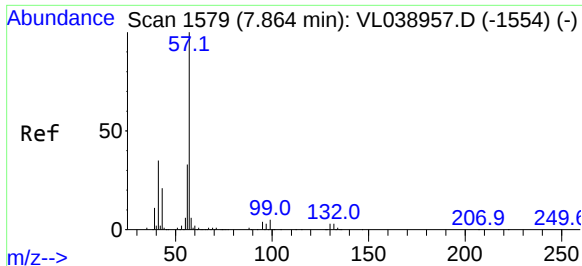


#41
Tetrahydrofuran
Concen: 0.662 ppbv m
RT: 6.073 min Scan# 1022
Delta R.T. 0.032 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39



Tgt Ion: 42 Resp: 46875
Ion Ratio Lower Upper
42 100
72 36.3 31.8 47.6
71 38.8 30.6 45.8





#44

2,2,4-Trimethylpentane

Concen: 0.324 ppbv

RT: 7.877 min Scan# 1161

Delta R.T. 0.013 min

Lab File: VL039076.D

Acq: 17 May 2022 19:39

Instrument :

MSVOA_L

ClientSampleId :

1161-8.01-IA-2DL

Tgt Ion: 57 Resp: 100340

Ion Ratio Lower Upper

57 100

41 42.4 26.3 39.5

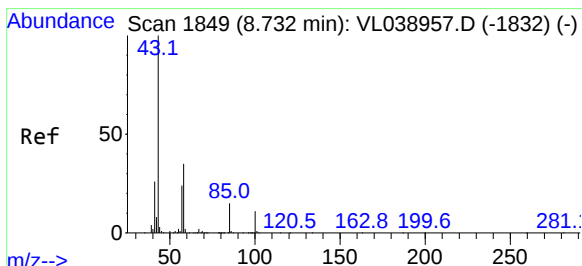
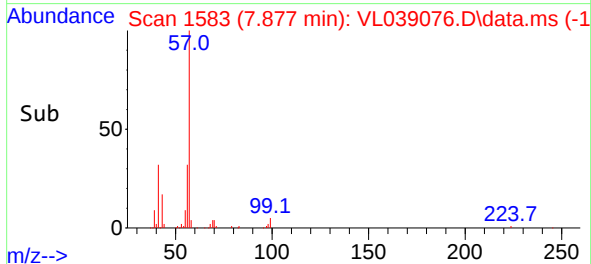
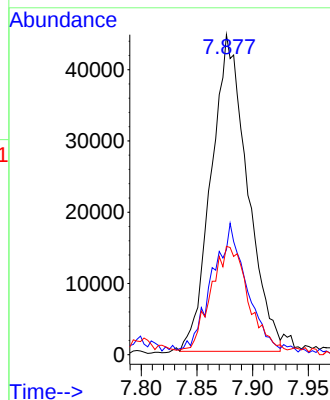
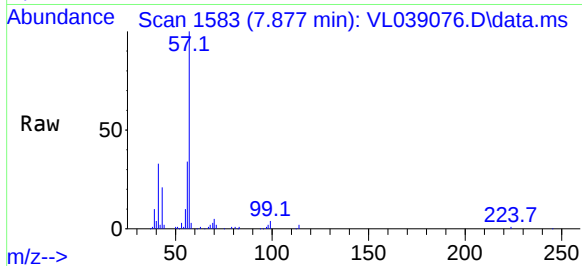
56 37.1 24.6 37.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/18/2022

Supervised By :Mahesh Dadoda 05/20/2022



#50

4-Methyl-2-Pentanone

Concen: 0.145 ppbv m

RT: 8.777 min Scan# 1863

Delta R.T. 0.045 min

Lab File: VL039076.D

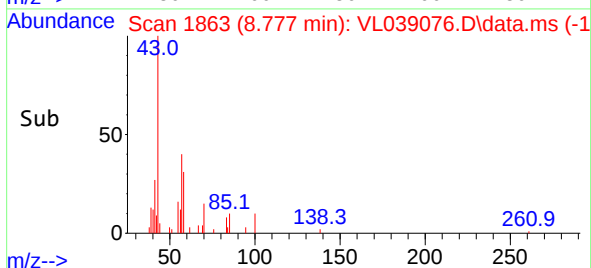
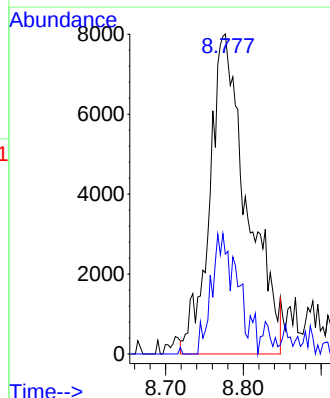
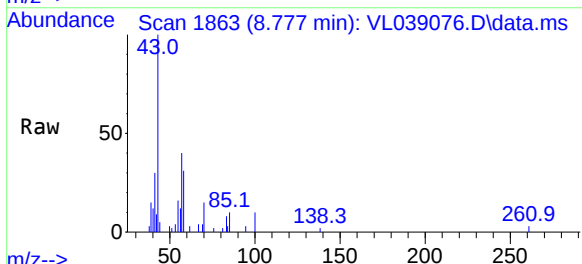
Acq: 17 May 2022 19:39

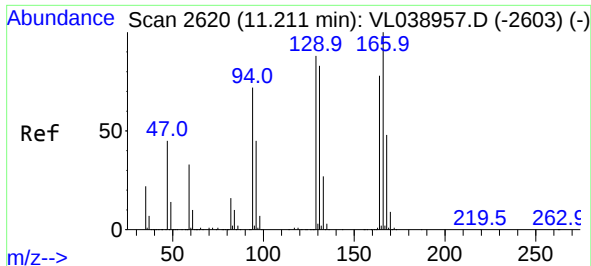
Tgt Ion: 43 Resp: 26813

Ion Ratio Lower Upper

43 100

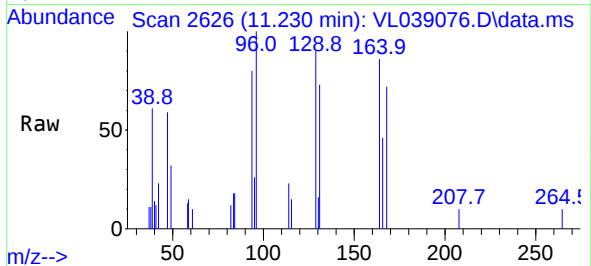
58 0.0 28.4 42.6





#52
Tetrachloroethene
Concen: 0.051 ppbv m
RT: 11.230 min Scan# 2626
Delta R.T. 0.019 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

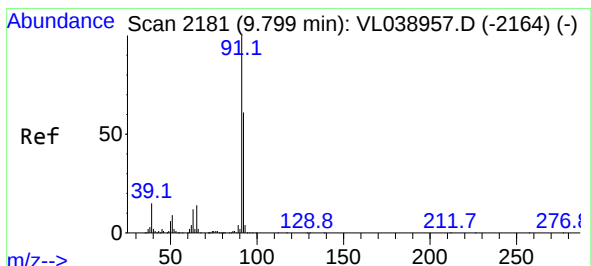
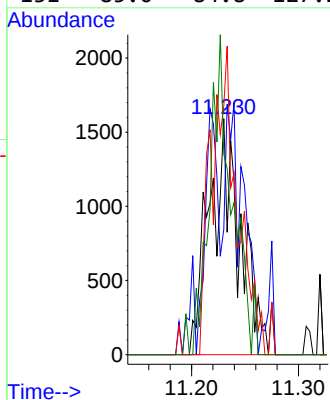
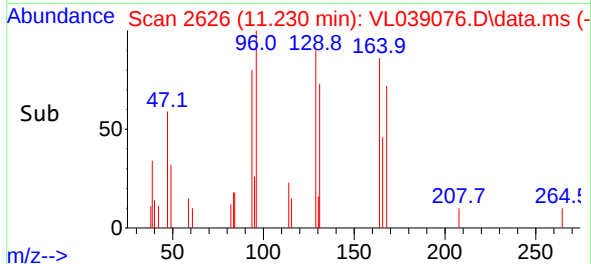
Instrument :
MSVOA_L
ClientSampleId :
1161-8.01-IA-2DL



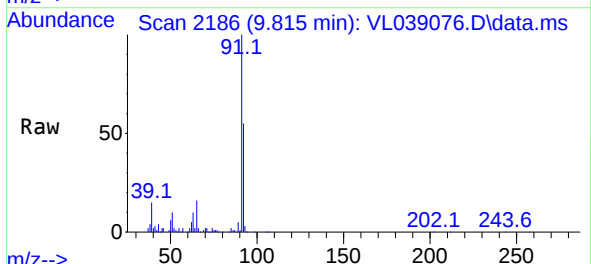
Tgt Ion:164 Resp: 319
Ion Ratio Lower Upper
164 100
166 53.2 102.5 153.7
129 105.4 90.1 135.1
131 85.0 84.8 127.2

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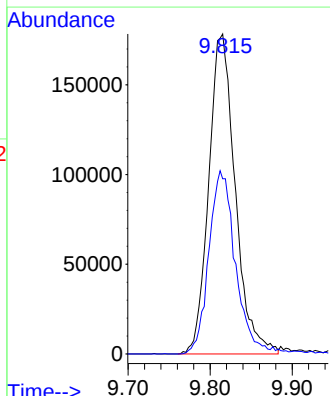
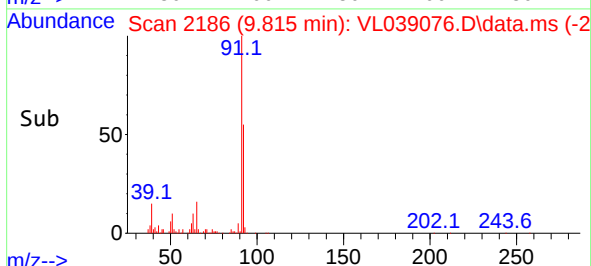
Reviewed By :Semsettin Yesilyurt 05/18/2022
Supervised By :Mahesh Dadoda 05/20/2022

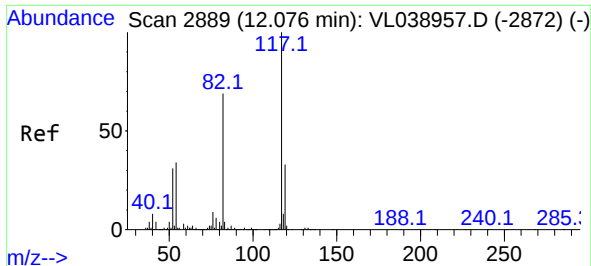


#53
Toluene
Concen: 2.023 ppbv
RT: 9.815 min Scan# 2186
Delta R.T. 0.016 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39



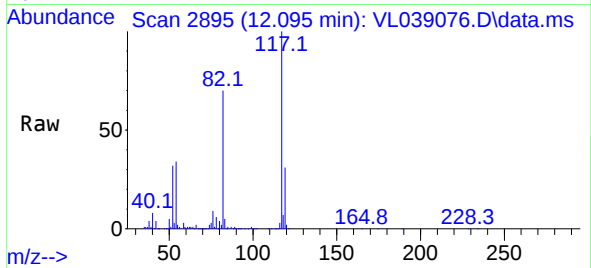
Tgt Ion: 91 Resp: 400649
Ion Ratio Lower Upper
91 100
92 58.5 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.095 min Scan# 2889
Delta R.T. 0.019 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

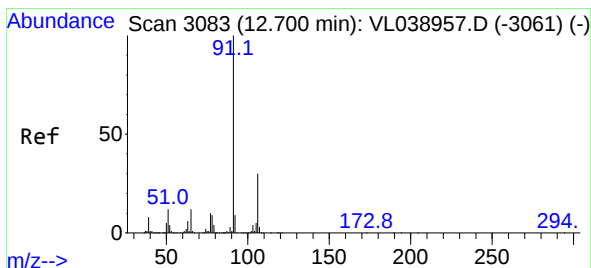
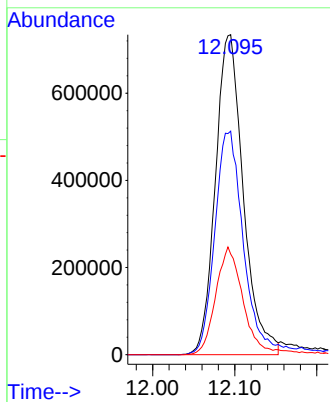
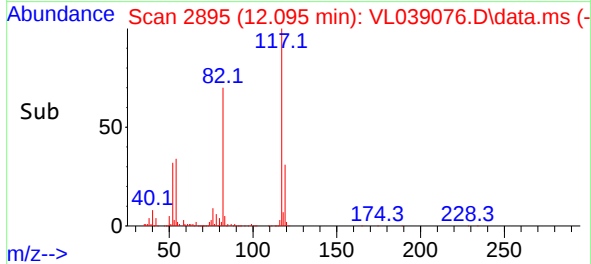
Instrument :
MSVOA_L
ClientSampleId :
1161-8.01-IA-2DL



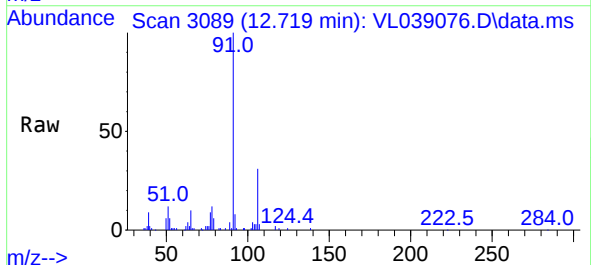
Tgt Ion:117 Resp: 1737860
Ion Ratio Lower Upper
117 100
82 75.4 57.0 85.6
119 33.9 27.2 40.8

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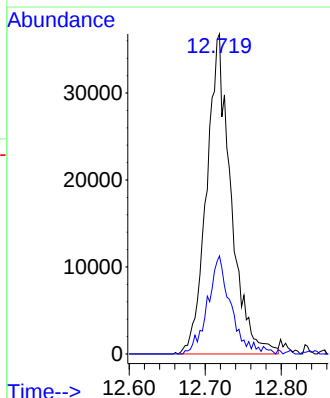
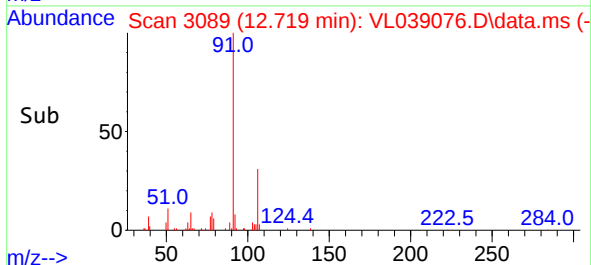
Reviewed By :Semsettin Yesilyurt 05/18/2022
Supervised By :Mahesh Dadoda 05/20/2022

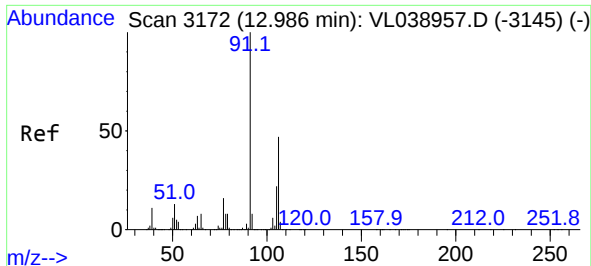


#58
Ethyl Benzene
Concen: 0.326 ppbv
RT: 12.719 min Scan# 3089
Delta R.T. 0.019 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39



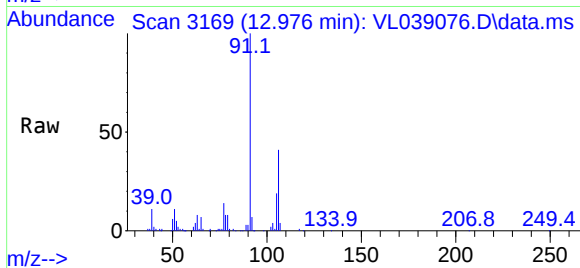
Tgt Ion: 91 Resp: 81603
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.4





#59
m/p-Xylene
Concen: 1.185 ppbv m
RT: 12.976 min Scan# 3172
Delta R.T. -0.010 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

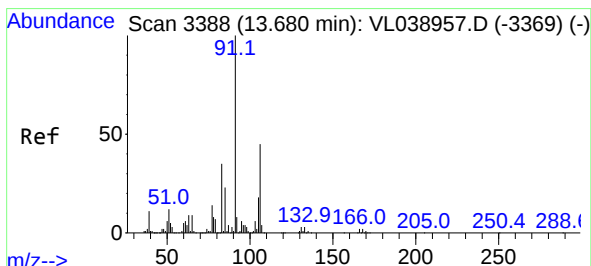
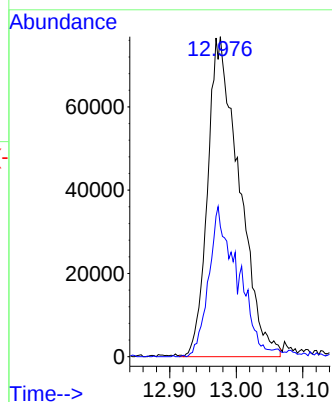
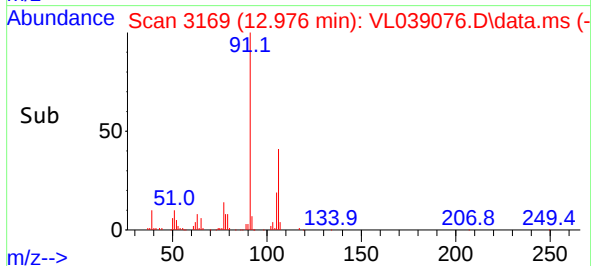
Instrument :
MSVOA_L
ClientSampleId :
1161-8.01-IA-2DL



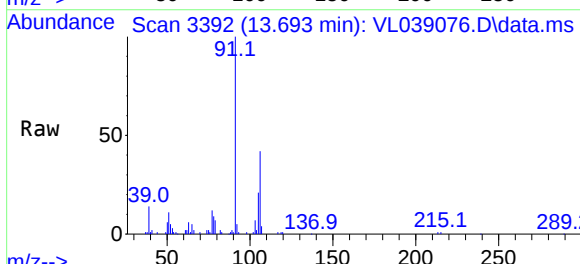
Tgt Ion: 91 Resp: 253039
Ion Ratio Lower Upper
91 100
106 44.9 34.6 52.0

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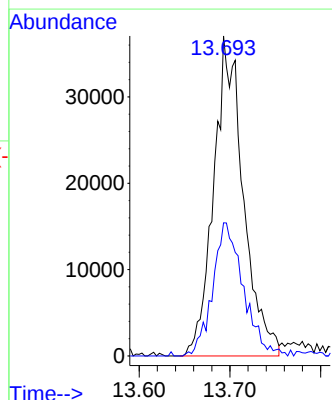
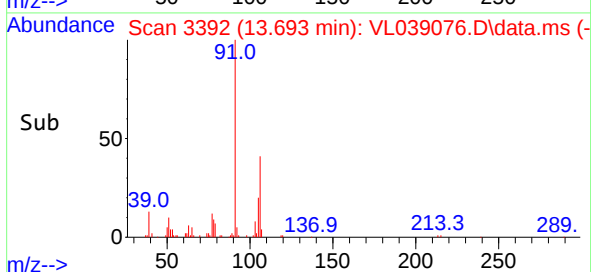
Reviewed By :Semsettin Yesilyurt 05/18/2022
Supervised By :Mahesh Dadoda 05/20/2022

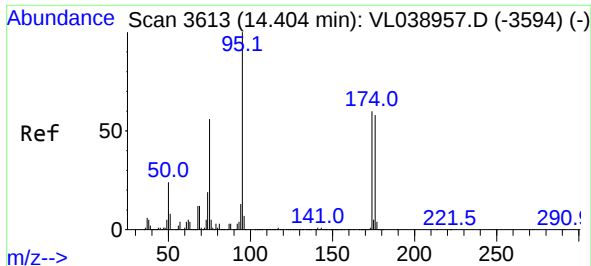


#60
o-Xylene
Concen: 0.419 ppbv m
RT: 13.693 min Scan# 3392
Delta R.T. 0.013 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39



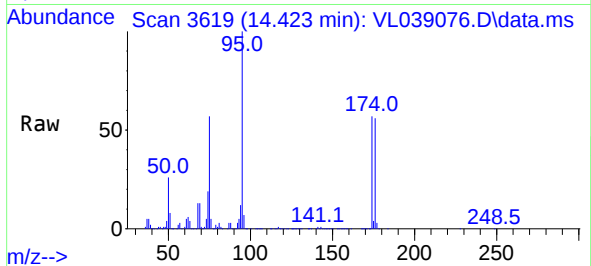
Tgt Ion: 91 Resp: 84155
Ion Ratio Lower Upper
91 100
106 0.0 22.2 66.6





#68
1-Bromo-4-Fluorobenzene
Concen: 10.371 ppbv
RT: 14.423 min Scan# 30
Delta R.T. 0.019 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39

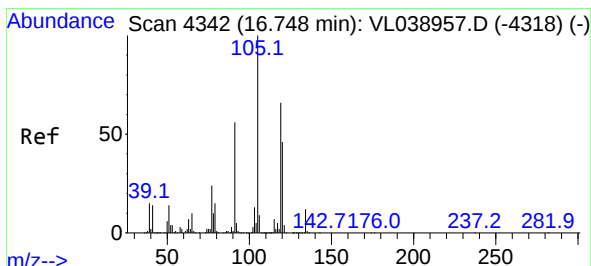
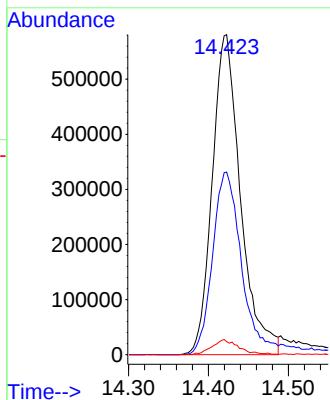
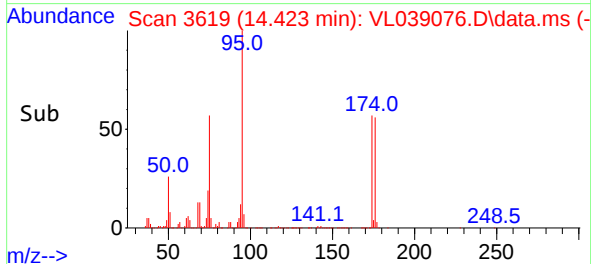
Instrument :
MSVOA_L
ClientSampleId :
1161-8.01-IA-2DL



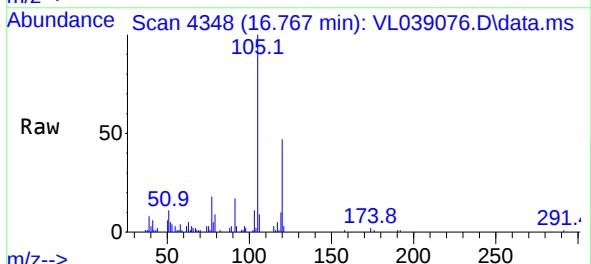
Tgt Ion: 95 Resp: 142733
Ion Ratio Lower Upper
95 100
174 63.1 50.8 76.2
175 4.8 3.8 5.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/18/2022
Supervised By :Mahesh Dadoda 05/20/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.272 ppbv m
RT: 16.767 min Scan# 4348
Delta R.T. 0.019 min
Lab File: VL039076.D
Acq: 17 May 2022 19:39



Tgt Ion:105 Resp: 61451
Ion Ratio Lower Upper
105 100
120 47.0 36.9 55.3
91 16.5 45.0 67.4#
77 18.4 19.2 28.8#

