

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022322\
 Data File : VL038423.D
 Acq On : 24 Feb 2022 1:14
 Operator : SY/AP
 Sample : N1605-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2022
 Supervised By : Mahesh Dadoda 02/25/2022

Quant Time: Feb 24 07:33:34 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-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	5.645	49	759178	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.150	114	1808789	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.053	117	1584737	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.381	95	1267920	9.670	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.038	85	30121	0.250	ppbv	93
3) Chlorodifluoromethane	2.980	51	34544m	0.258	ppbv	
4) Chloromethane	3.131	50	23150	0.497	ppbv	94
9) Propene	3.012	41	32623	0.737	ppbv	84
10) Heptane	8.098	43	50594m	0.470	ppbv	
11) Trichlorofluoromethane	3.935	101	22863	0.199	ppbv	93
13) Ethanol	3.591	45	1381836	312.823	ppbv	89
15) Acetone	3.835	43	621926	9.633	ppbv	# 80
19) Isopropyl Alcohol	3.951	45	8027683	214.728	ppbv	# 96
20) Methylene Chloride	4.330	84	23102	0.722	ppbv	# 89
26) Hexane	5.664	57	485163	6.177	ppbv	# 47
30) Cyclohexane	7.111	84	19164m	0.298	ppbv	
34) 2-Butanone	5.224	43	79048	1.390	ppbv	92
35) Carbon Tetrachloride	6.989	117	8329m	0.065	ppbv	
36) Benzene	6.864	78	114067	0.716	ppbv	99
44) 2,2,4-Trimethylpentane	7.838	57	102432	0.374	ppbv	# 76
53) Toluene	9.777	91	882079	5.102	ppbv	99
58) Ethyl Benzene	12.677	91	61808	0.285	ppbv	92
59) m/p-Xylene	12.934	91	183452m	0.986	ppbv	
60) o-Xylene	13.654	91	68335	0.388	ppbv	98
72) 4-Ethyltoluene	15.802	105	40938m	0.211	ppbv	
73) 1,3,5-Trimethylbenzene	15.966	105	36277m	0.206	ppbv	
74) 1,2,4-Trimethylbenzene	16.725	105	126067	0.678	ppbv	# 73
79) Naphthalene	22.153	128	10235m	0.102	ppbv	

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

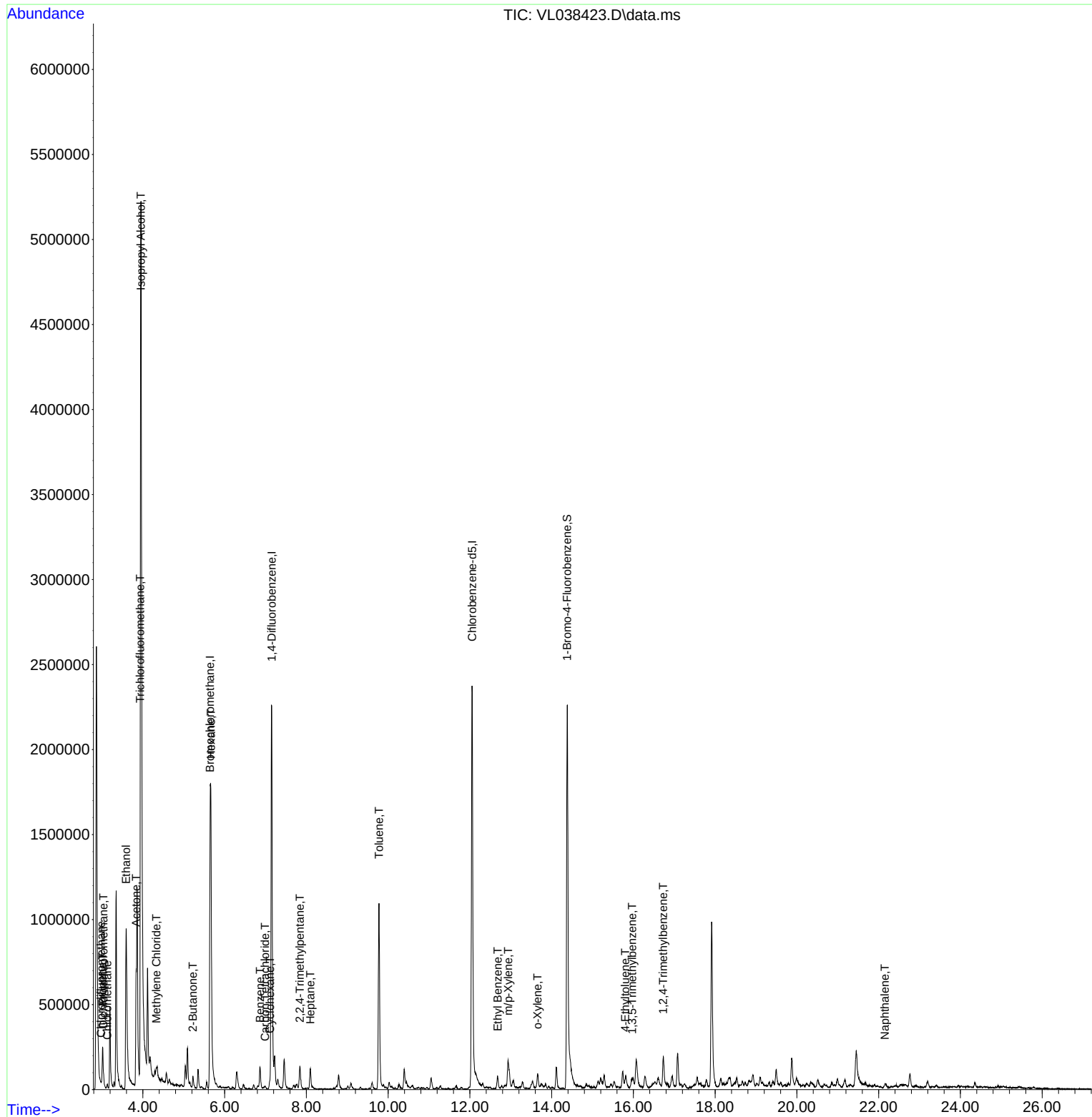
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022322\
Data File : VL038423.D
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Operator : SY/AP
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Misc : 400mL/MSVOA_L
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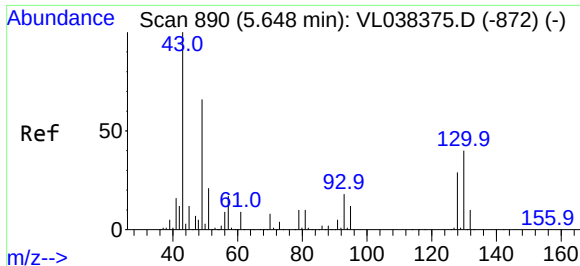
Instrument :
MSVOA_L
ClientSampleId :
IA-4

Quant Time: Feb 24 07:33:34 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
Response via : Initial Calibration

Manual Integrations
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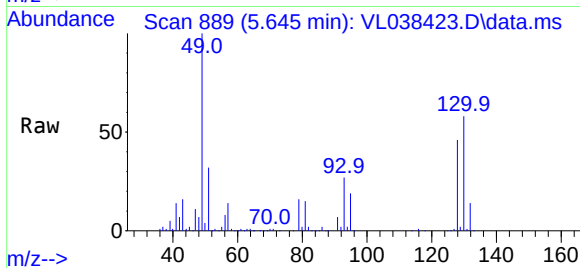
Reviewed By : Semsettin Yesilyurt 02/24/2022
Supervised By : Mahesh Dadoda 02/25/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.645 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

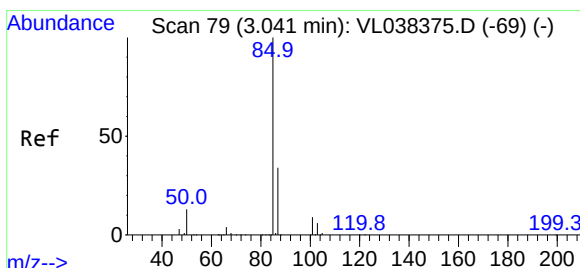
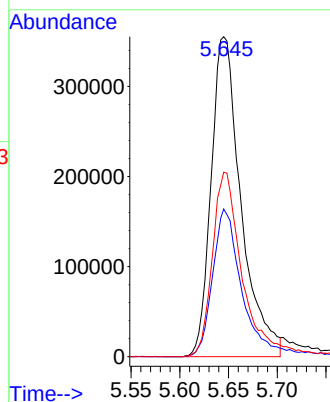
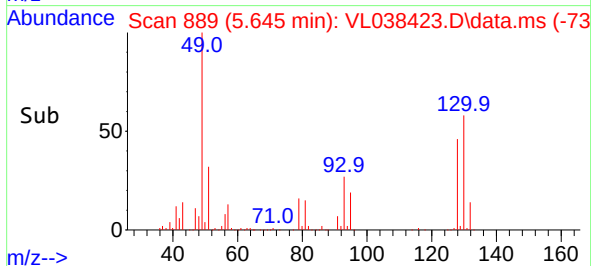
Instrument :
MSVOA_L
ClientSampleId :
IA-4



Tgt Ion: 49 Resp: 759178
Ion Ratio Lower Upper
49 100
128 47.3 24.3 72.9
130 60.5 30.1 90.5

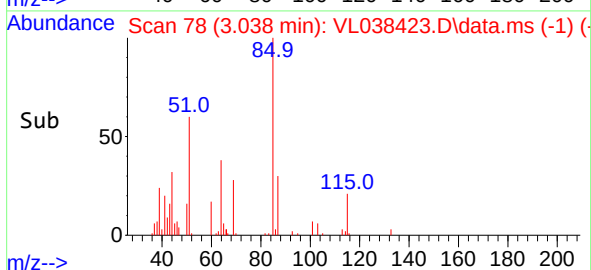
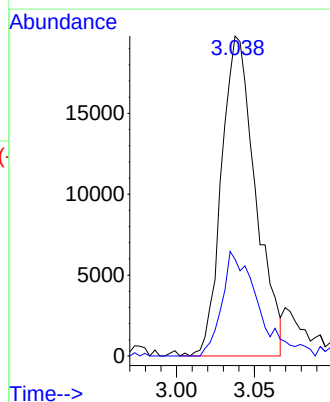
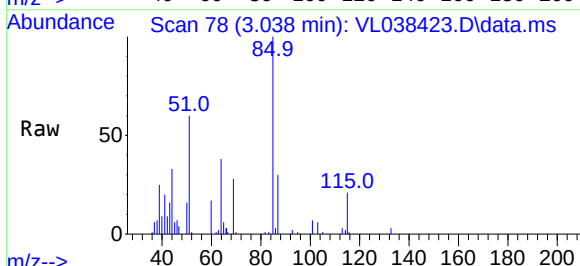
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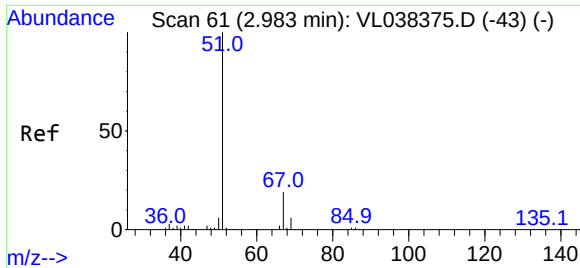
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#2
Dichlorodifluoromethane
Concen: 0.250 ppbv
RT: 3.038 min Scan# 78
Delta R.T. -0.003 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

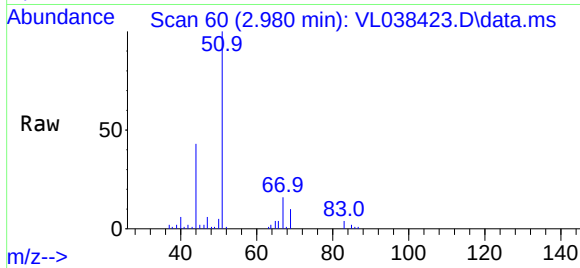
Tgt Ion: 85 Resp: 30121
Ion Ratio Lower Upper
85 100
87 30.2 27.4 41.0





#3
Chlorodifluoromethane
Concen: 0.258 ppbv m
RT: 2.980 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

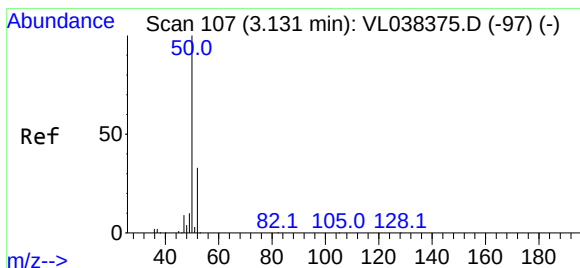
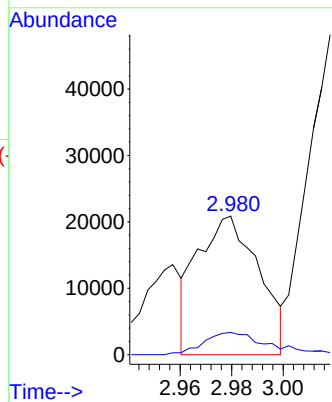
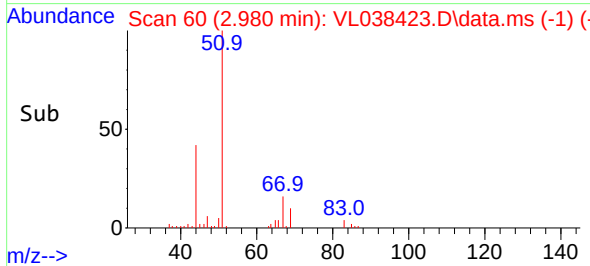
Instrument :
MSVOA_L
ClientSampleId :
IA-4



Tgt Ion: 51 Resp: 34544
Ion Ratio Lower Upper
51 100
67 17.0 14.7 22.1

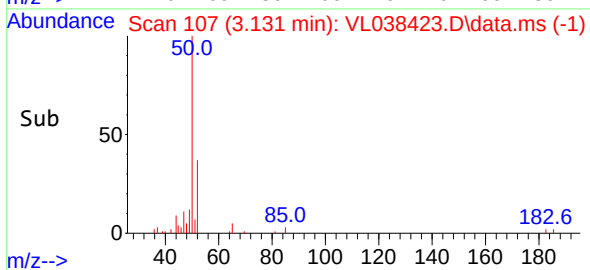
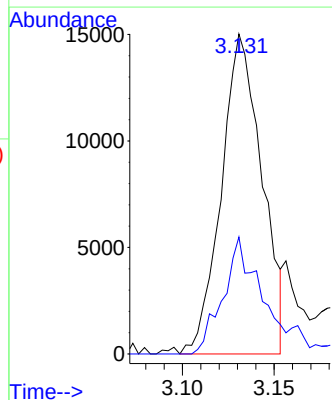
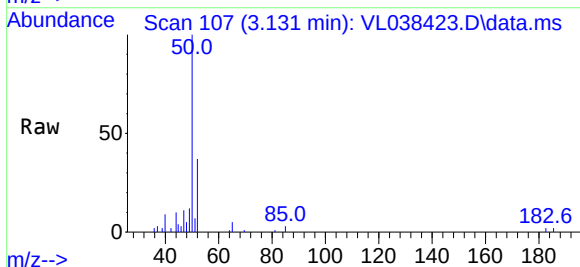
Manual Integrations
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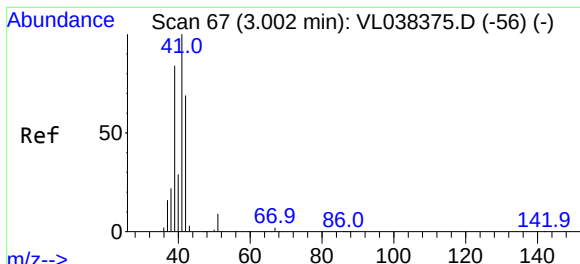
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#4
Chloromethane
Concen: 0.497 ppbv
RT: 3.131 min Scan# 107
Delta R.T. 0.000 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

Tgt Ion: 50 Resp: 23150
Ion Ratio Lower Upper
50 100
52 36.5 26.5 39.7





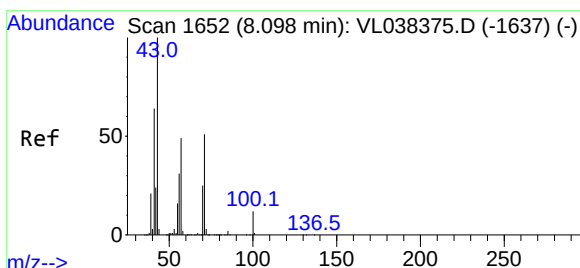
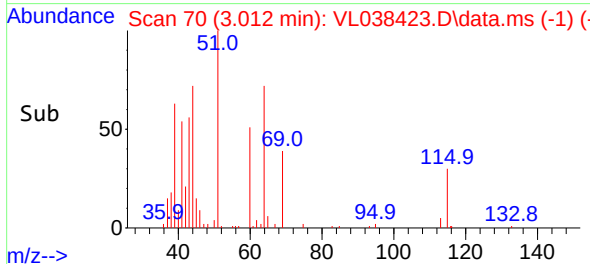
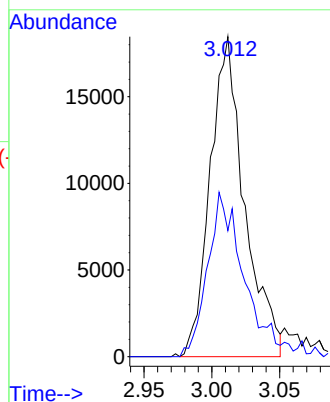
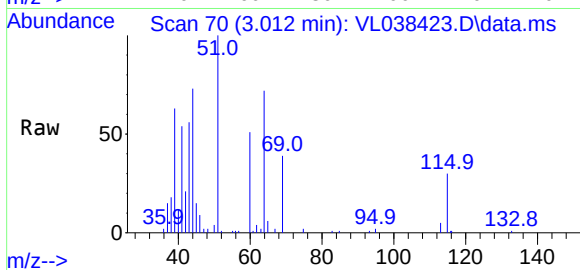
#9
 Propene
 Concen: 0.737 ppbv
 RT: 3.012 min Scan# 70
 Delta R.T. 0.010 min
 Lab File: VL038423.D
 Acq: 24 Feb 2022 1:14

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4

Tgt Ion: 41 Resp: 3262
 Ion Ratio Lower Upper
 41 100
 42 55.0 54.6 82.0

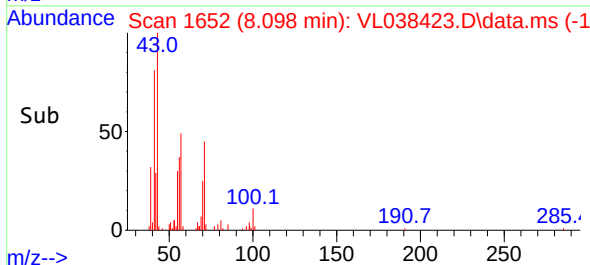
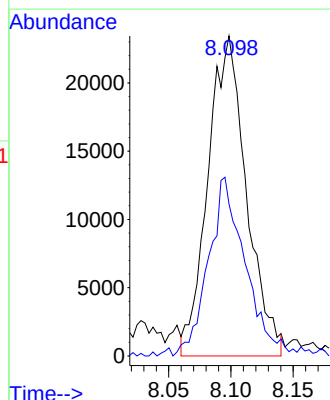
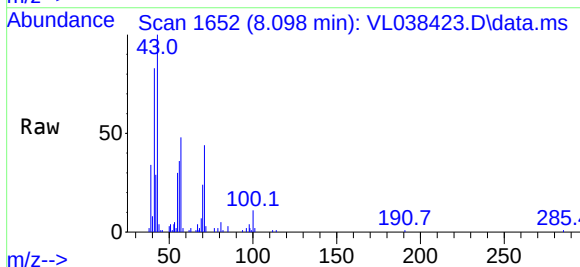
Manual Integrations
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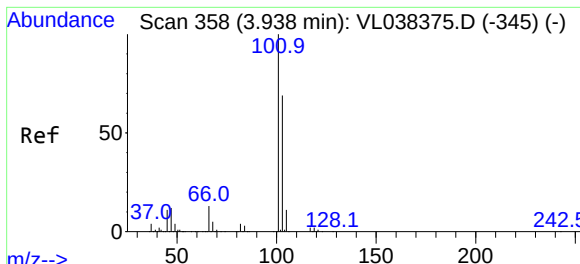
Reviewed By :Semsettin Yesilyurt 02/24/2022
 Supervised By :Mahesh Dadoda 02/25/2022



#10
 Heptane
 Concen: 0.470 ppbv m
 RT: 8.098 min Scan# 1652
 Delta R.T. 0.000 min
 Lab File: VL038423.D
 Acq: 24 Feb 2022 1:14

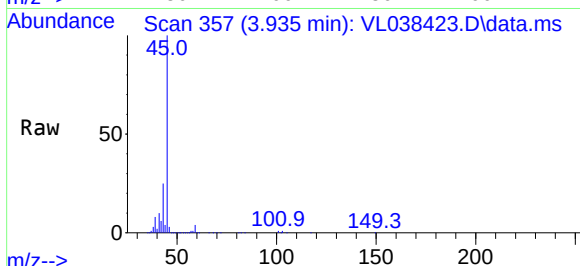
Tgt Ion: 43 Resp: 50594
 Ion Ratio Lower Upper
 43 100
 57 55.0 39.8 59.8





#11
 Trichlorofluoromethane
 Concen: 0.199 ppbv
 RT: 3.935 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL038423.D
 Acq: 24 Feb 2022 1:14

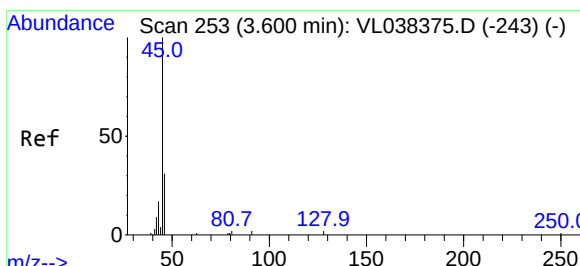
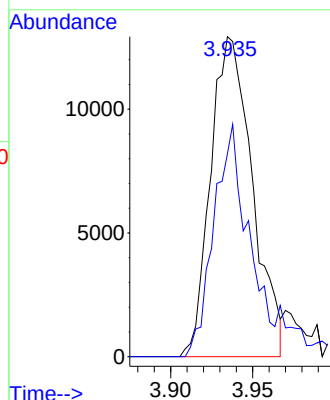
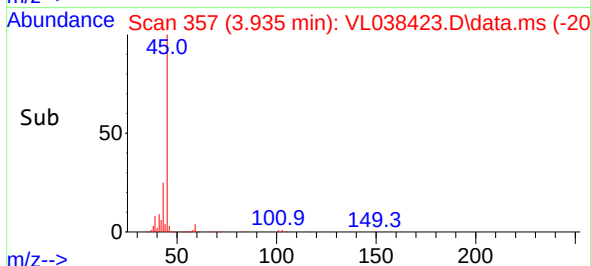
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4



Tgt Ion:101 Resp: 2286
 Ion Ratio Lower Upper
 101 100
 103 63.4 55.0 82.4

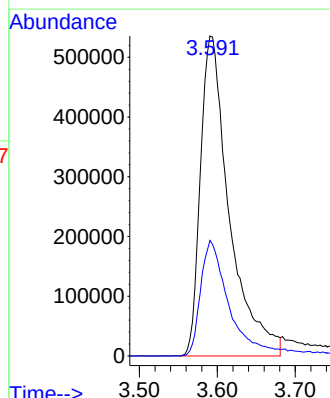
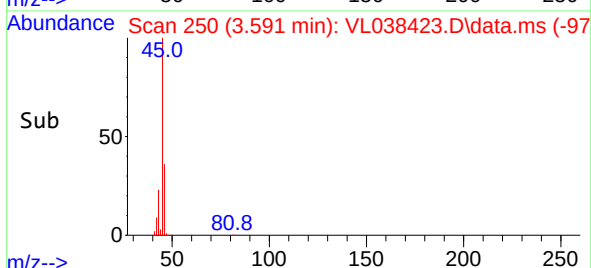
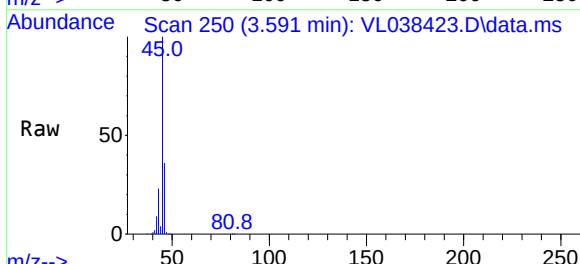
Manual Integrations
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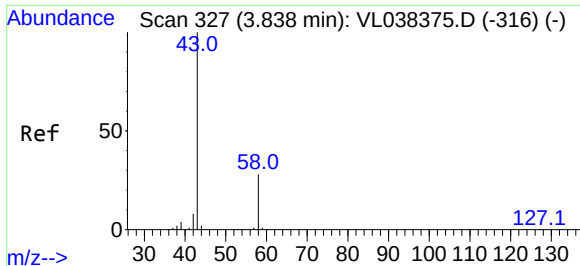
Reviewed By :Semsettin Yesilyurt 02/24/2022
 Supervised By :Mahesh Dadoda 02/25/2022



#13
 Ethanol
 Concen: 312.823 ppbv
 RT: 3.591 min Scan# 250
 Delta R.T. -0.010 min
 Lab File: VL038423.D
 Acq: 24 Feb 2022 1:14

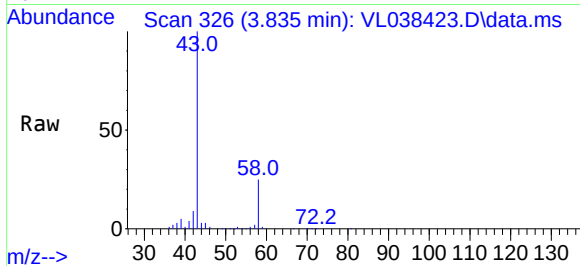
Tgt Ion: 45 Resp: 1381836
 Ion Ratio Lower Upper
 45 100
 46 38.0 18.2 72.8





#15
Acetone
Concen: 9.633 ppbv
RT: 3.835 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

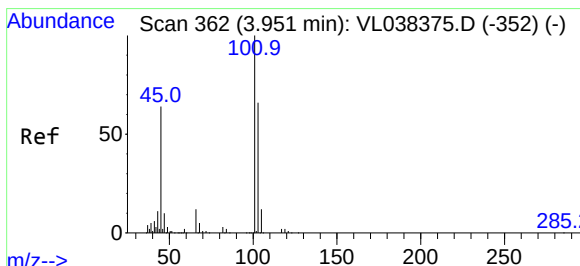
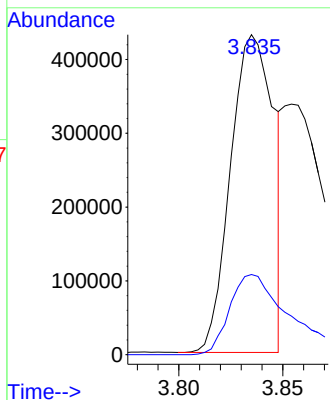
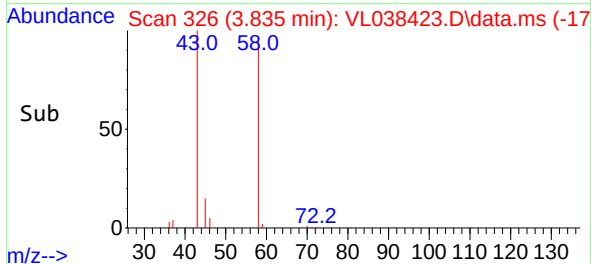
Instrument :
MSVOA_L
ClientSampleId :
IA-4



Tgt Ion: 43 Resp: 621920
Ion Ratio Lower Upper
43 100
58 37.5 21.7 32.5

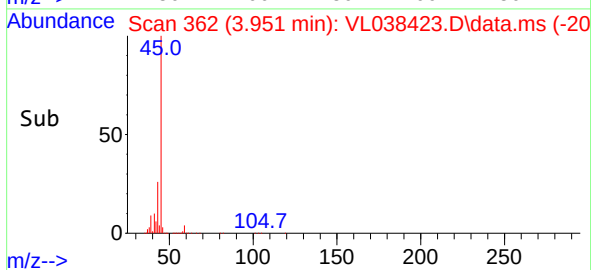
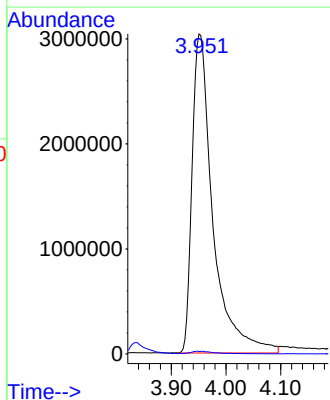
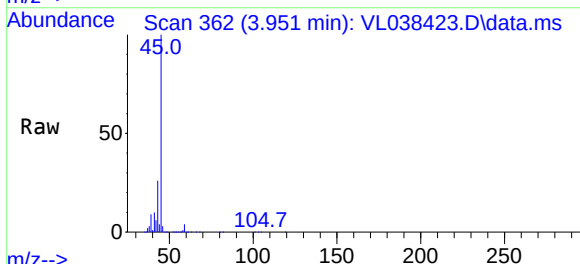
Manual Integrations
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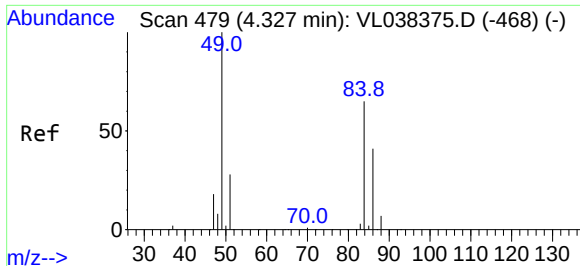
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#19
Isopropyl Alcohol
Concen: 214.728 ppbv
RT: 3.951 min Scan# 362
Delta R.T. 0.000 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

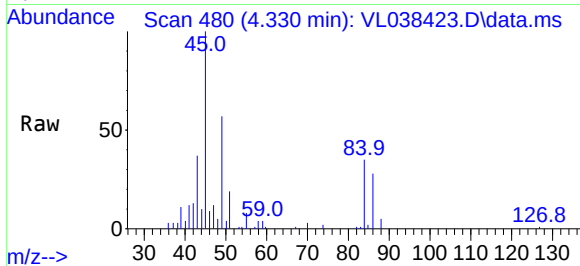
Tgt Ion: 45 Resp: 8027683
Ion Ratio Lower Upper
45 100
58 1.0 1.8 2.8





#20
Methylene Chloride
Concen: 0.722 ppbv
RT: 4.330 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

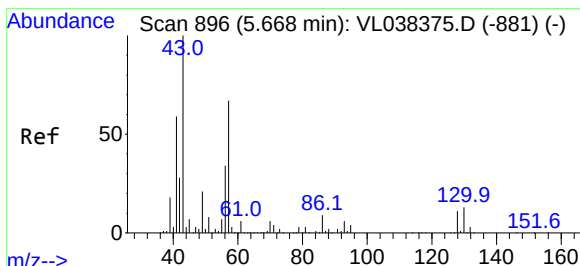
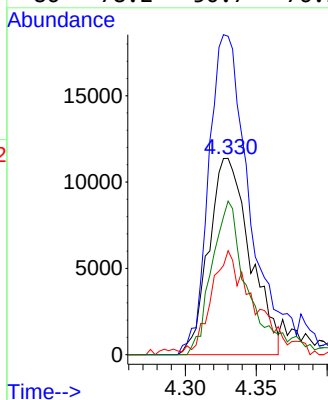
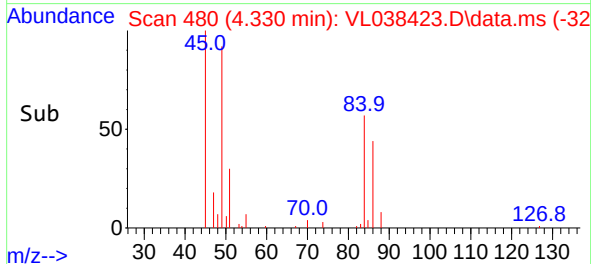
Instrument :
MSVOA_L
ClientSampleId :
IA-4



Tgt Ion: 84 Resp: 2310
Ion Ratio Lower Upper
84 100
49 162.3 122.4 183.6
51 51.1 33.3 49.9
86 78.2 50.7 76.1#

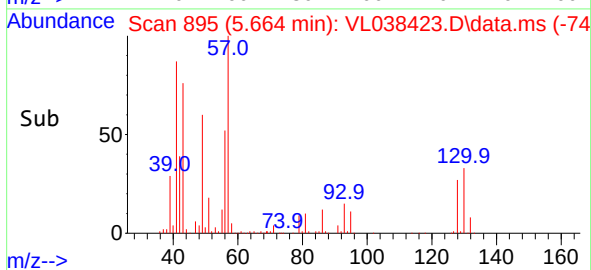
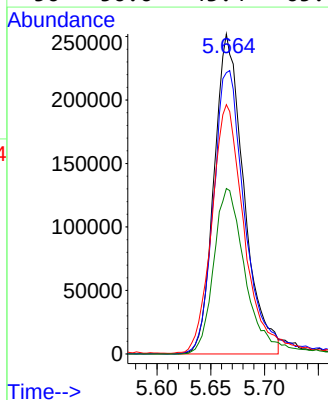
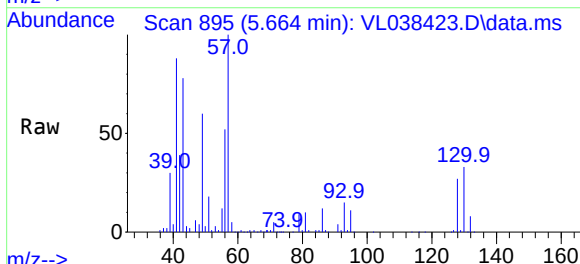
Manual Integrations
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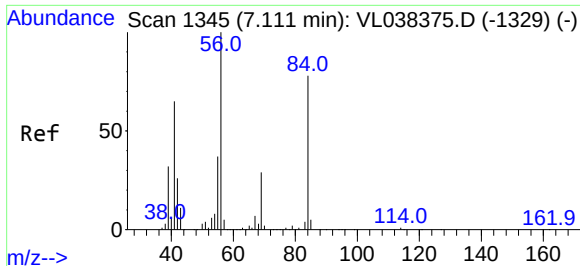
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#26
Hexane
Concen: 6.177 ppbv
RT: 5.664 min Scan# 895
Delta R.T. -0.003 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

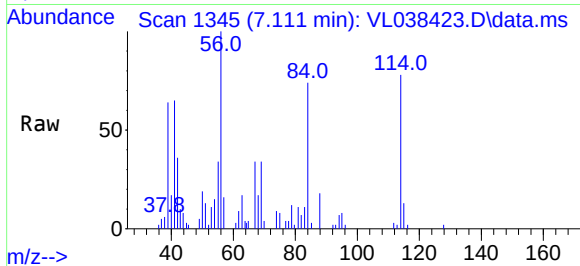
Tgt Ion: 57 Resp: 485163
Ion Ratio Lower Upper
57 100
41 95.7 73.1 109.7
43 86.9 181.0 271.4#
56 56.6 43.4 65.0





#30
Cyclohexane
Concen: 0.298 ppbv m
RT: 7.111 min Scan# 1345
Delta R.T. 0.000 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

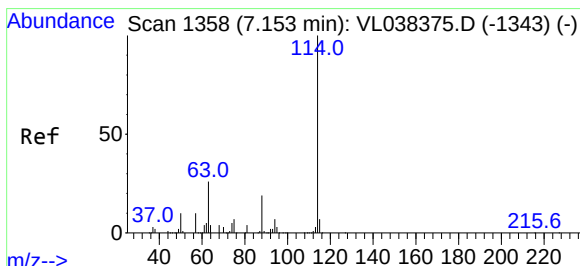
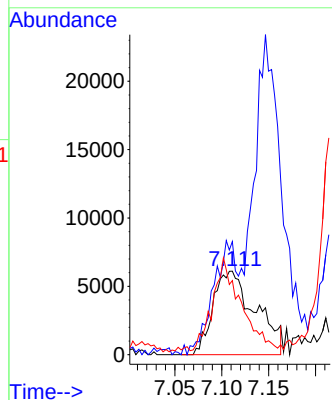
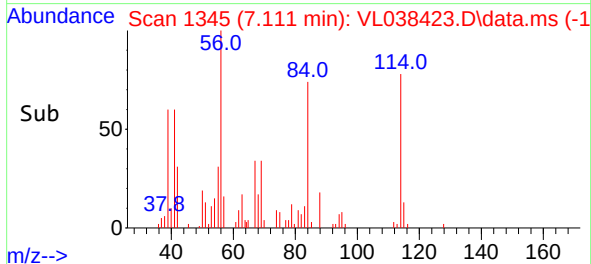
Instrument :
MSVOA_L
ClientSampleId :
IA-4



Tgt Ion: 84 Resp: 19164
Ion Ratio Lower Upper
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56 0.0 116.2 174.4
41 0.0 74.3 111.5

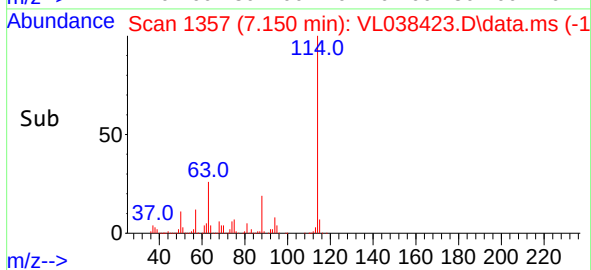
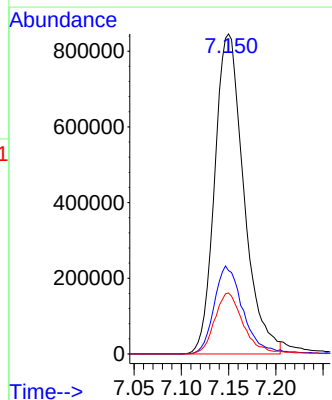
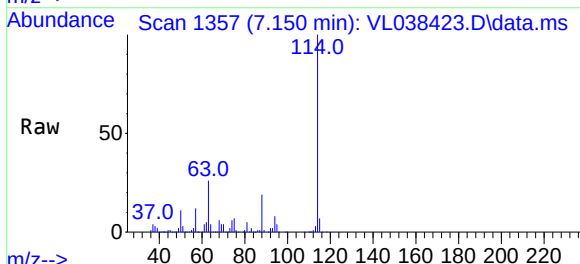
Manual Integrations
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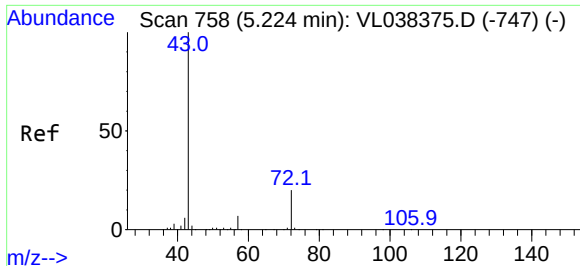
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.150 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

Tgt Ion:114 Resp: 1808789
Ion Ratio Lower Upper
114 100
63 27.9 22.2 33.2
88 19.2 15.2 22.8





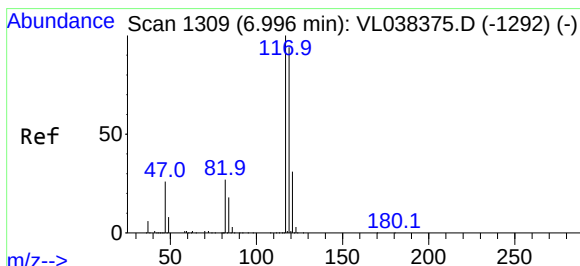
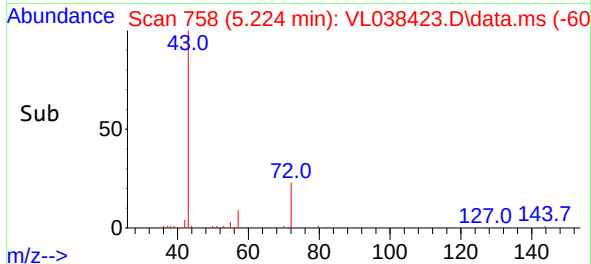
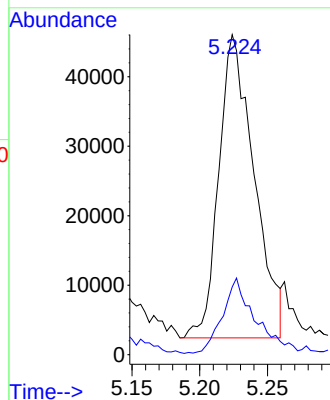
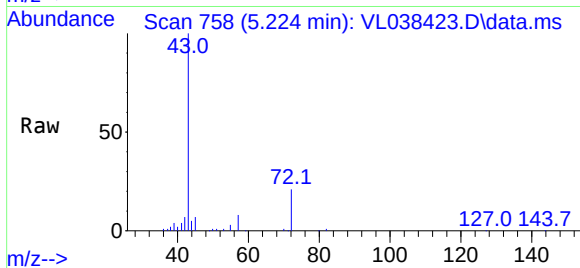
#34
2-Butanone
Concen: 1.390 ppbv
RT: 5.224 min Scan# 704
Delta R.T. 0.000 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 43 Resp: 7904
Ion Ratio Lower Upper
43 100
72 25.7 17.4 26.2

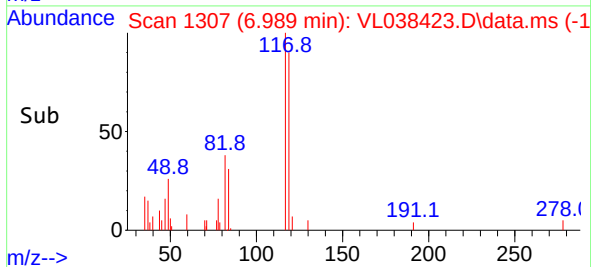
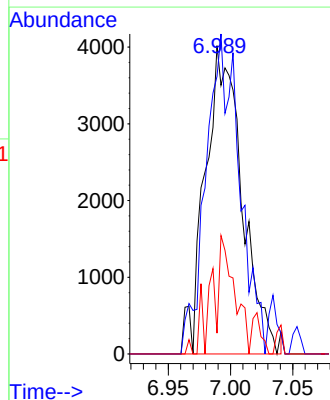
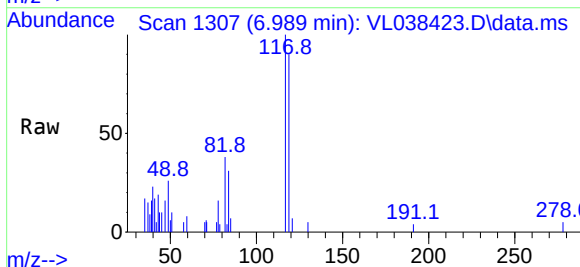
Manual Integrations
APPROVED

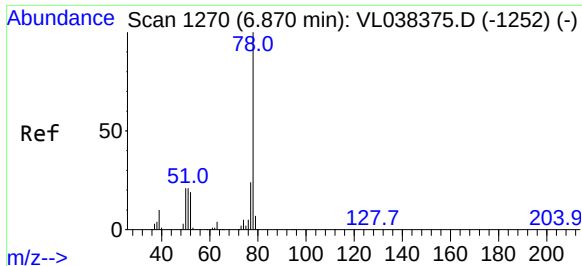
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 6.989 min Scan# 1307
Delta R.T. -0.006 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

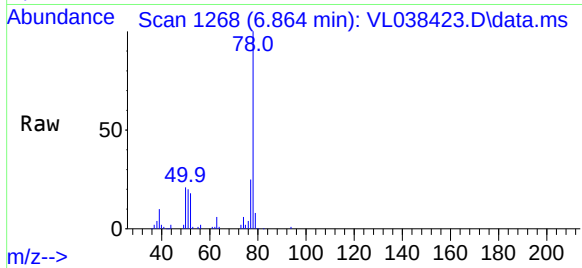
Tgt Ion:117 Resp: 8329
Ion Ratio Lower Upper
117 100
119 90.0 74.9 112.3
121 6.7 24.8 37.2#





#36
Benzene
Concen: 0.716 ppbv
RT: 6.864 min Scan# 11406
Delta R.T. -0.006 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

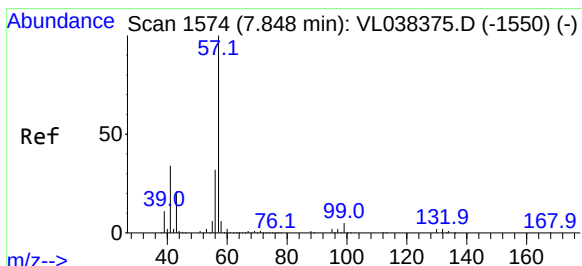
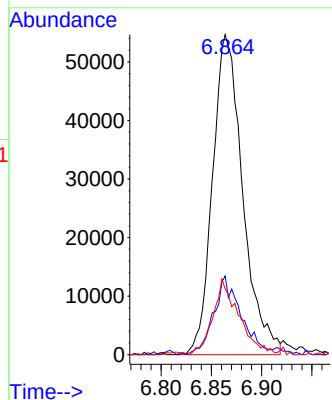
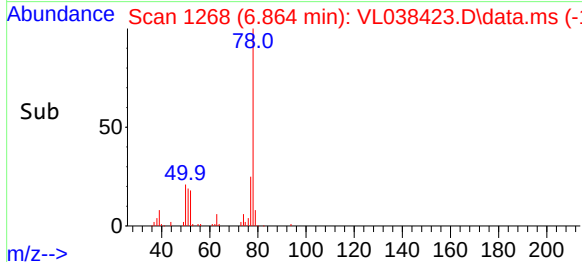
Instrument :
MSVOA_L
ClientSampleId :
IA-4



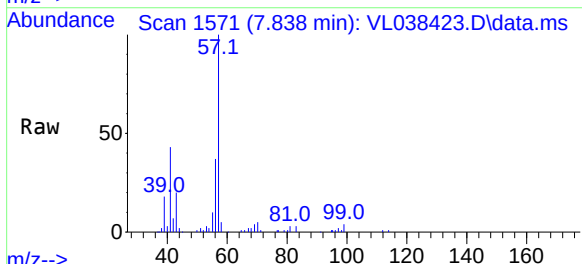
Tgt Ion: 78 Resp: 11406
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6
50 20.2 16.6 24.8

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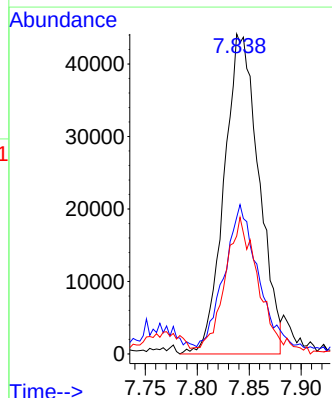
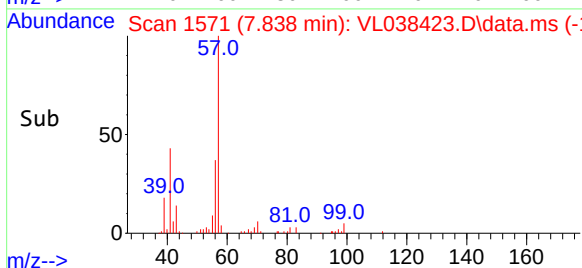
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

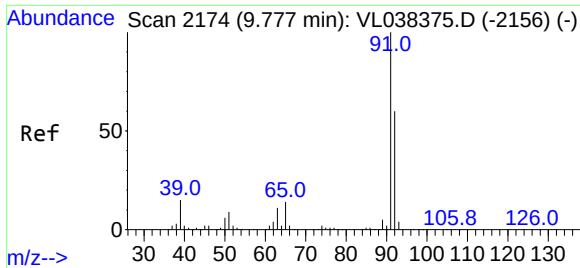


#44
2,2,4-Trimethylpentane
Concen: 0.374 ppbv
RT: 7.838 min Scan# 1571
Delta R.T. -0.010 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14



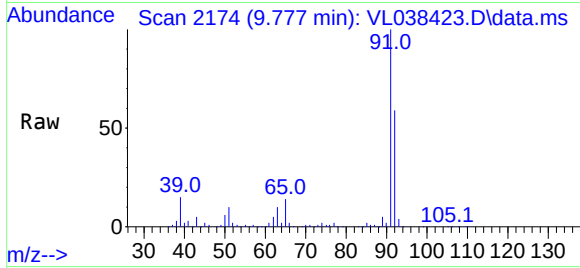
Tgt Ion: 57 Resp: 102432
Ion Ratio Lower Upper
57 100
41 48.7 26.6 39.8#
56 42.7 25.0 37.6#





#53
Toluene
Concen: 5.102 ppbv
RT: 9.777 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

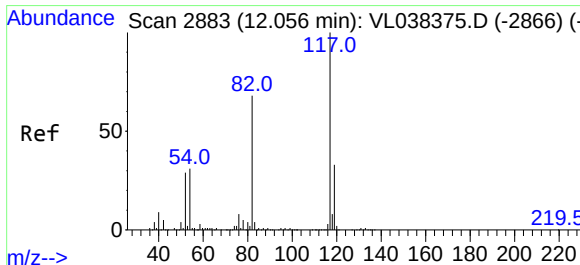
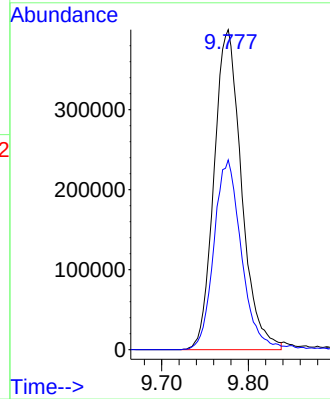
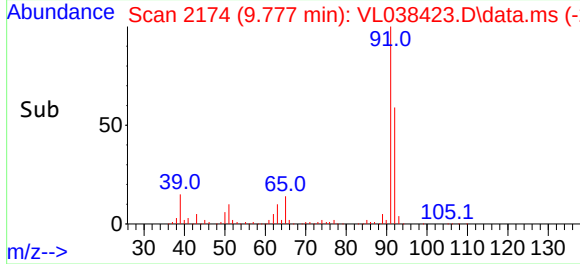
Instrument :
MSVOA_L
ClientSampleId :
IA-4



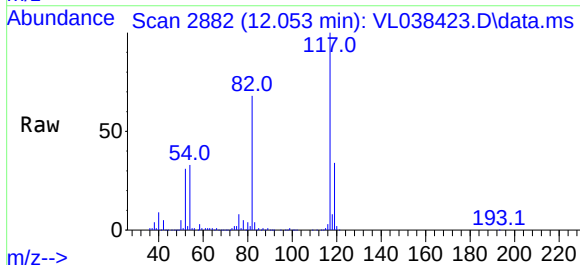
Tgt Ion: 91 Resp: 882079
Ion Ratio Lower Upper
91 100
92 60.7 48.2 72.4

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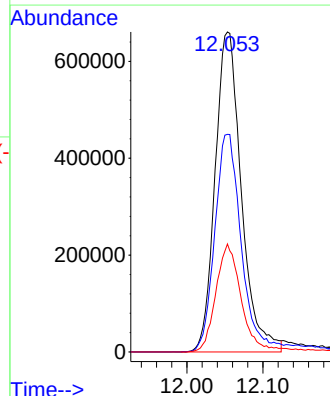
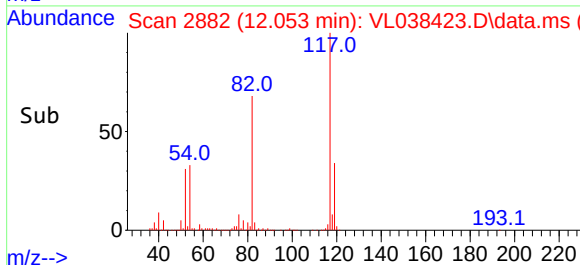
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

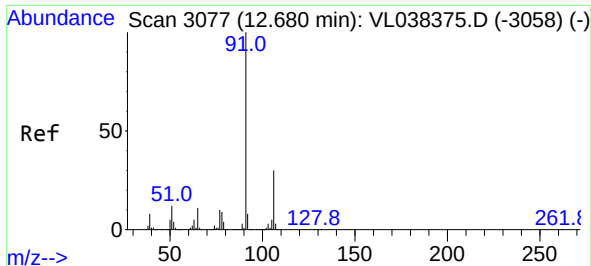


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.053 min Scan# 2882
Delta R.T. -0.003 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14



Tgt Ion:117 Resp: 1584737
Ion Ratio Lower Upper
117 100
82 72.5 54.9 82.3
119 34.4 46.1 69.1#





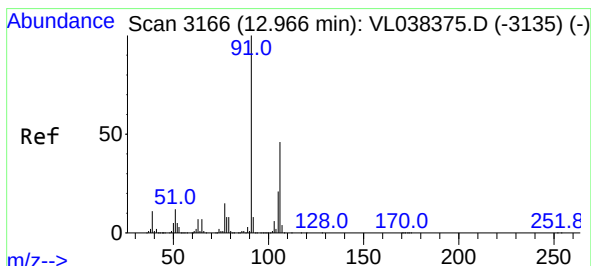
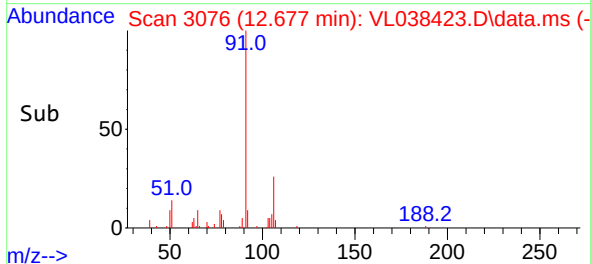
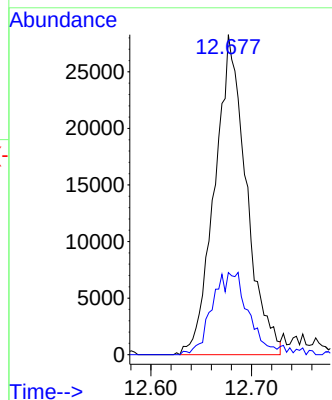
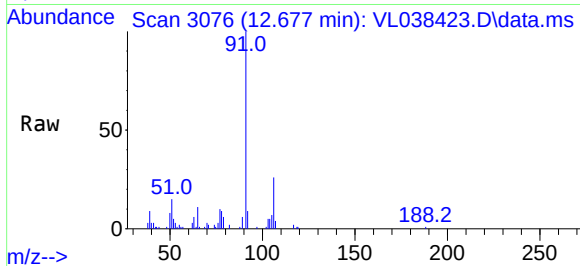
#58
Ethyl Benzene
Concen: 0.285 ppbv
RT: 12.677 min Scan# 3076
Delta R.T. -0.003 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 91 Resp: 61808
Ion Ratio Lower Upper
91 100
106 25.7 24.0 36.0

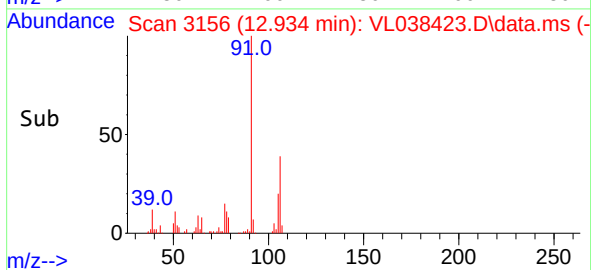
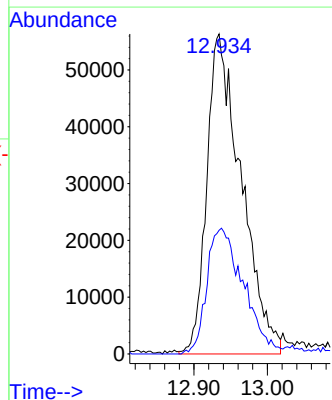
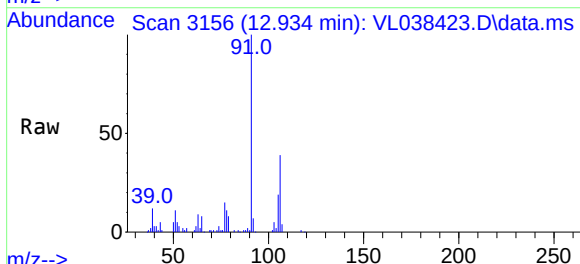
Manual Integrations
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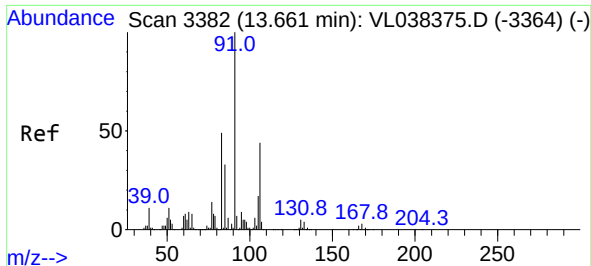
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#59
m/p-Xylene
Concen: 0.986 ppbv m
RT: 12.934 min Scan# 3156
Delta R.T. -0.032 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

Tgt Ion: 91 Resp: 183452
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6#





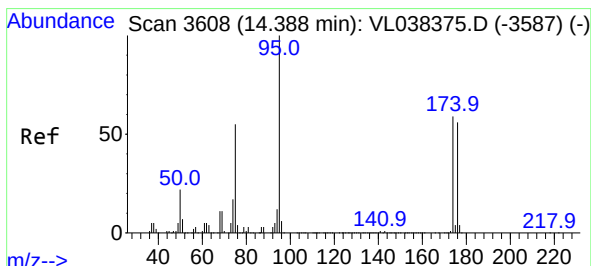
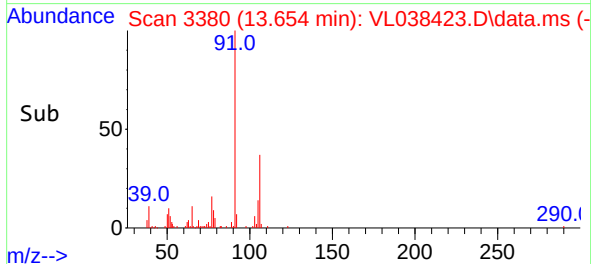
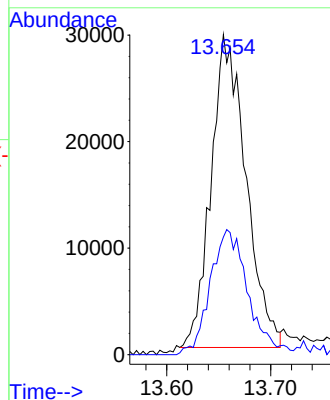
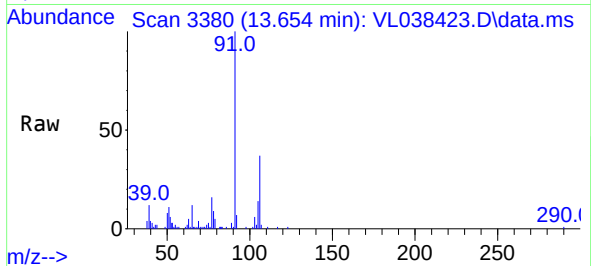
#60
o-Xylene
Concen: 0.388 ppbv
RT: 13.654 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 91 Resp: 6833
Ion Ratio Lower Upper
91 100
106 45.1 21.9 65.5

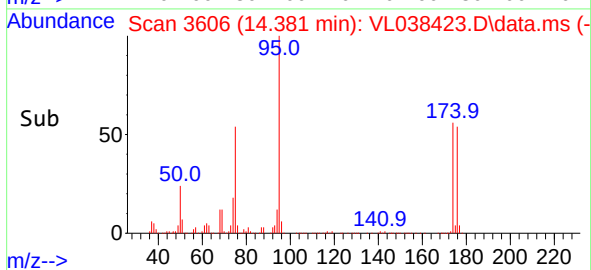
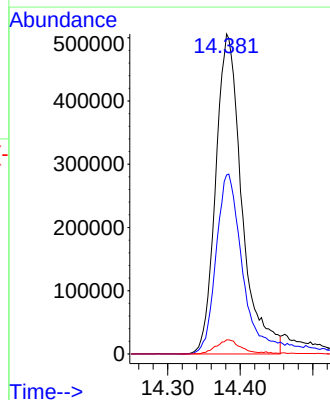
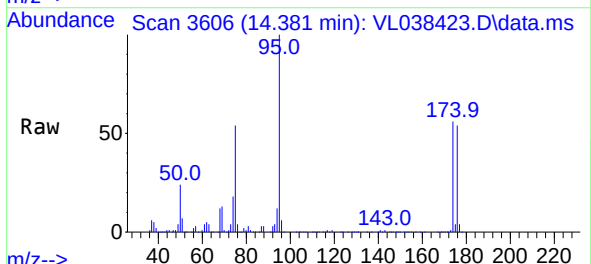
Manual Integrations
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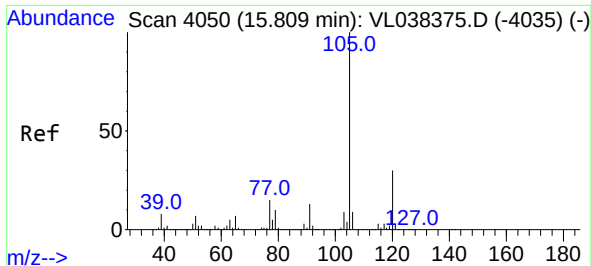
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.670 ppbv
RT: 14.381 min Scan# 3606
Delta R.T. -0.006 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

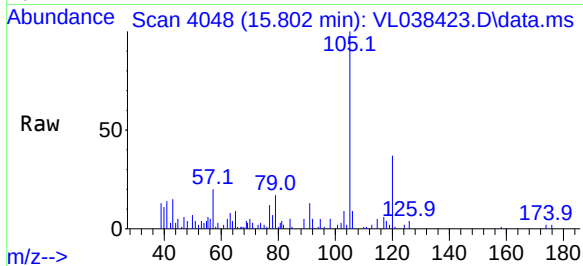
Tgt Ion: 95 Resp: 1267920
Ion Ratio Lower Upper
95 100
174 61.3 49.0 73.4
175 4.6 3.6 5.4





#72
4-Ethyltoluene
Concen: 0.211 ppbv m
RT: 15.802 min Scan# 4093
Delta R.T. -0.006 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

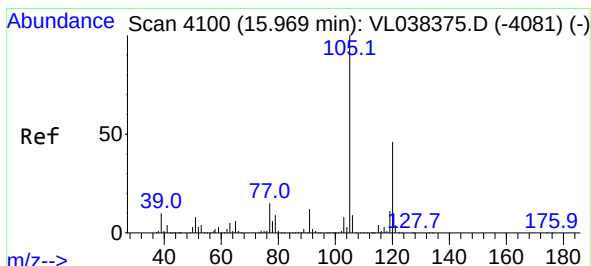
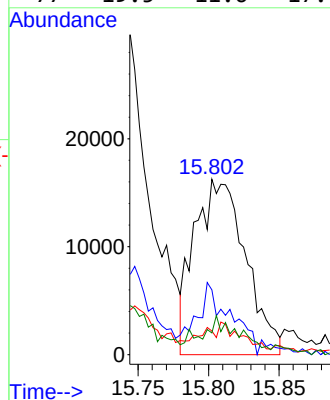
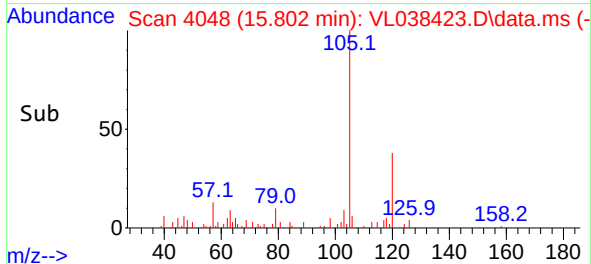
Instrument :
MSVOA_L
ClientSampleId :
IA-4



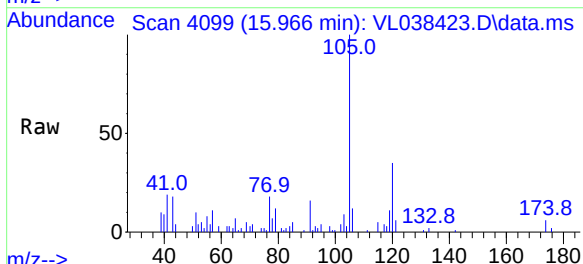
Tgt Ion:105 Resp: 40938
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.2
91 15.2 10.4 15.6
77 19.5 11.6 17.4#

Manual Integrations
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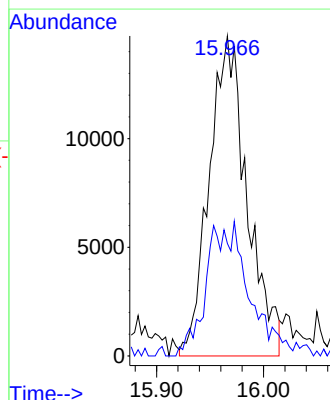
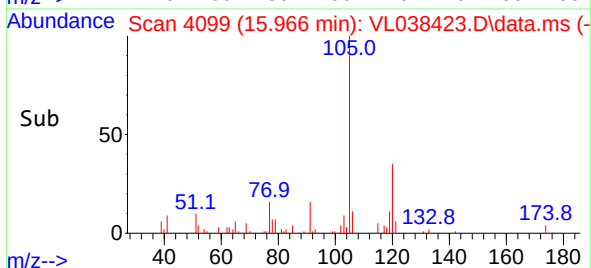
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

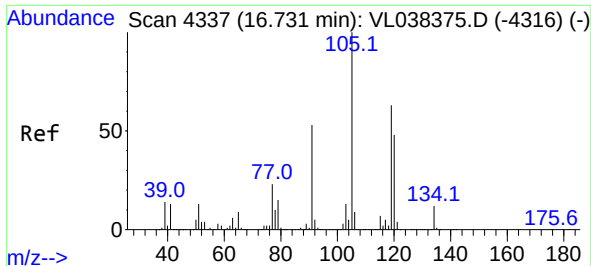


#73
1,3,5-Trimethylbenzene
Concen: 0.206 ppbv m
RT: 15.966 min Scan# 4099
Delta R.T. -0.003 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14



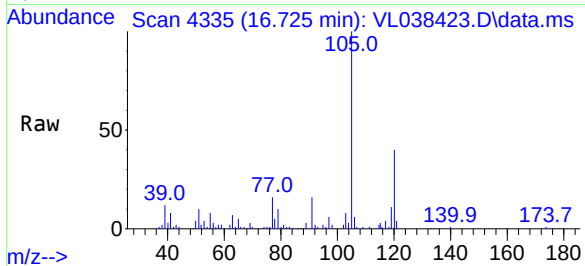
Tgt Ion:105 Resp: 36277
Ion Ratio Lower Upper
105 100
120 35.1 36.6 55.0#





#74
1,2,4-Trimethylbenzene
Concen: 0.678 ppbv
RT: 16.725 min Scan# 4335
Delta R.T. -0.006 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14

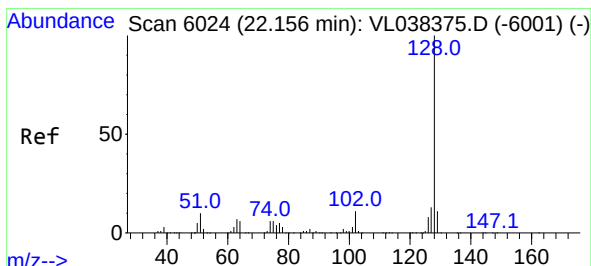
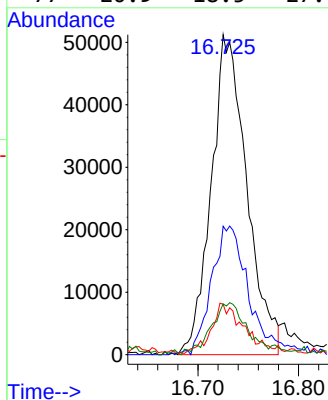
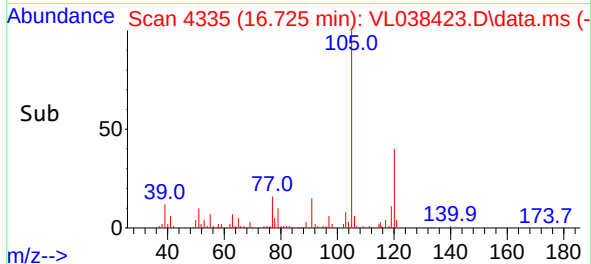
Instrument :
MSVOA_L
ClientSampleId :
IA-4



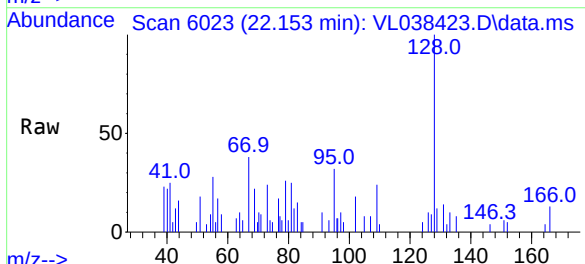
Tgt Ion:105 Resp: 12606
Ion Ratio Lower Upper
105 100
120 43.2 38.2 57.4
91 15.1 42.7 64.1
77 20.9 18.5 27.7

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#79
Naphthalene
Concen: 0.102 ppbv m
RT: 22.153 min Scan# 6023
Delta R.T. -0.003 min
Lab File: VL038423.D
Acq: 24 Feb 2022 1:14



Tgt Ion:128 Resp: 10235
Ion Ratio Lower Upper
128 100
127 9.4 10.7 16.1#
129 11.6 8.8 13.2

