

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051122\
 Data File : VL039025.D
 Acq On : 11 May 2022 18:25
 Operator : SY/AP
 Sample : N2753-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/15/2022
 Supervised By : Mahesh Dadoda 05/16/2022

Quant Time: May 12 01:56:47 2022

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu May 12 01:56:47 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	5.648	49	959748	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.156	114	2527815	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.060	117	2137442	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.388	95	1609478	9.508	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.100%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.047	85	45266m	0.301	ppbv	
3) Chlorodifluoromethane	2.983	51	42605m	0.358	ppbv	
4) Chloromethane	3.134	50	40042	0.671	ppbv	93
9) Propene	3.012	41	40326m	0.775	ppbv	
11) Trichlorofluoromethane	3.941	101	24642	0.191	ppbv	94
13) Ethanol	3.587	45	224422	60.975	ppbv	91
15) Acetone	3.835	43	1104733	12.203	ppbv	96
19) Isopropyl Alcohol	3.954	45	90297m	2.098	ppbv	
20) Methylene Chloride	4.330	84	773255	22.662	ppbv	96
26) Hexane	5.671	57	1146889	11.912	ppbv #	38
29) Chloroform	5.732	83	43180	0.277	ppbv	85
34) 2-Butanone	5.234	43	61956m	0.480	ppbv	
35) Carbon Tetrachloride	6.996	117	8894m	0.053	ppbv	
36) Benzene	6.870	78	26004	0.120	ppbv #	87
44) 2,2,4-Trimethylpentane	7.844	57	42624m	0.112	ppbv	
50) 4-Methyl-2-Pentanone	8.745	43	24634m	0.109	ppbv	
52) Tetrachloroethene	11.201	164	2697m	0.035	ppbv	
53) Toluene	9.780	91	86511m	0.357	ppbv	
58) Ethyl Benzene	12.680	91	34494m	0.112	ppbv	
59) m/p-Xylene	12.944	91	84481m	0.322	ppbv	
60) o-Xylene	13.661	91	33590m	0.136	ppbv	
74) 1,2,4-Trimethylbenzene	16.732	105	36549	0.132	ppbv #	61

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

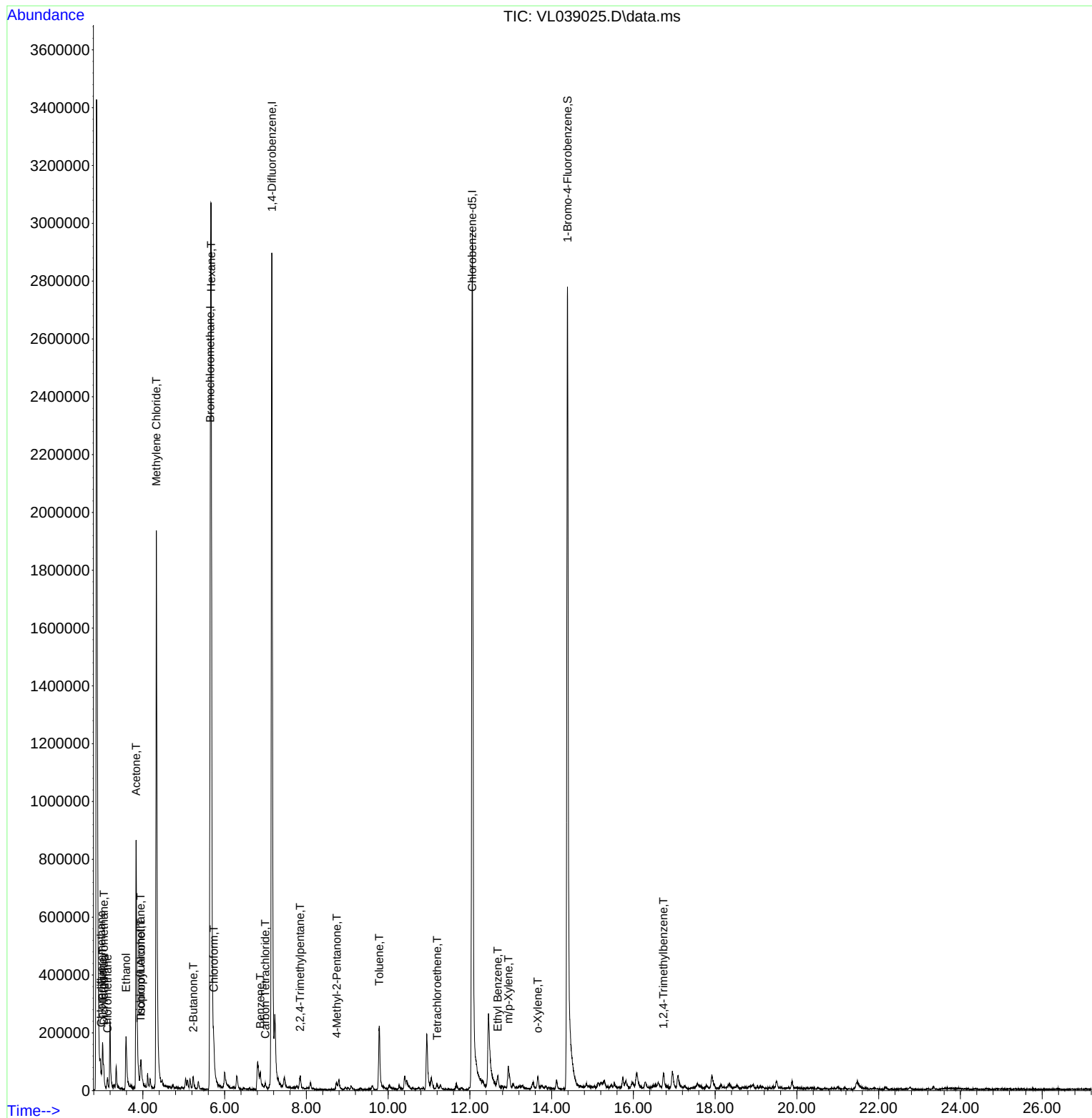
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051122\
Data File : VL039025.D
Acq On : 11 May 2022 18:25
Operator : SY/AP
Sample : N2753-01
Misc : 400mL/MSVOA_L
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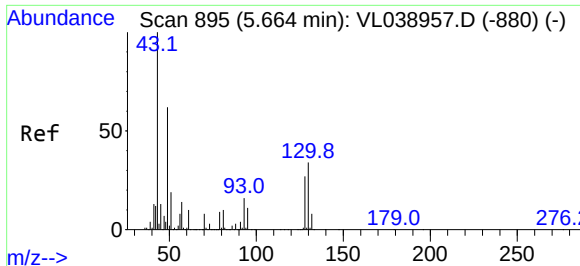
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: May 12 01:56:47 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
Response via : Initial Calibration

Manual Integrations
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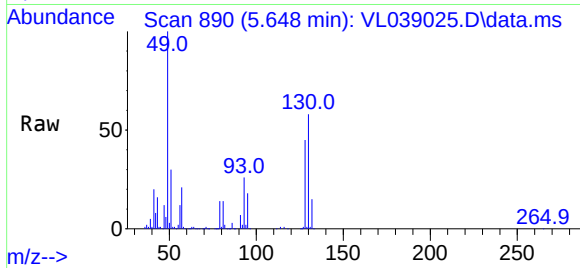
Reviewed By : Semsettin Yesilyurt 05/15/2022
Supervised By : Mahesh Dadoda 05/16/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.648 min Scan# 895
Delta R.T. -0.016 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

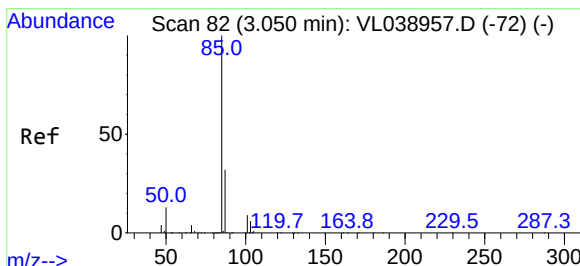
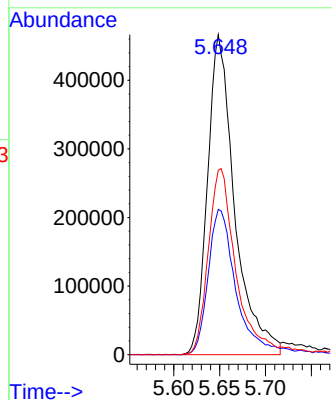
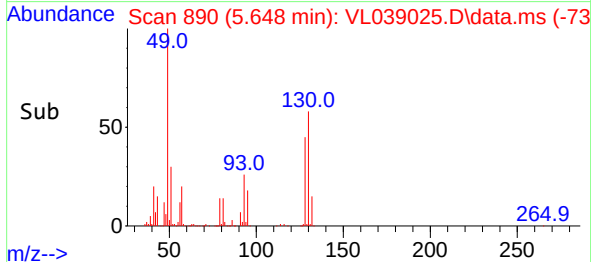
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 959748
Ion Ratio Lower Upper
49 100
128 48.9 23.3 69.8
130 60.9 29.8 89.3

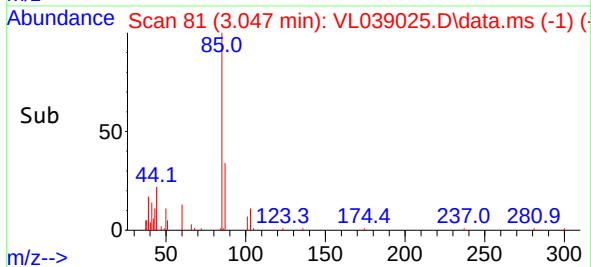
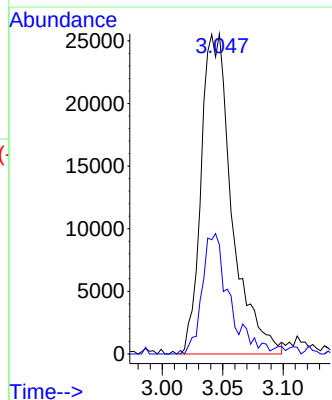
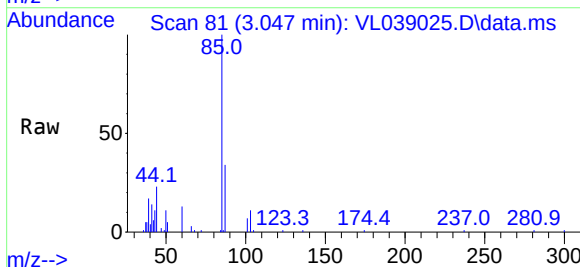
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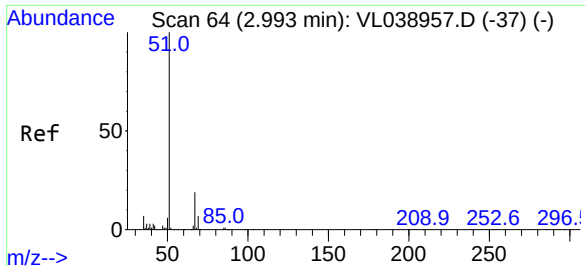
Reviewed By :Semsettin Yesilyurt 05/15/2022
Supervised By :Mahesh Dadoda 05/16/2022



#2
Dichlorodifluoromethane
Concen: 0.301 ppbv m
RT: 3.047 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

Tgt Ion: 85 Resp: 45266
Ion Ratio Lower Upper
85 100
87 34.1 25.7 38.5





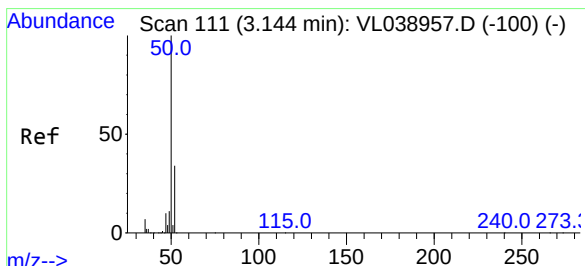
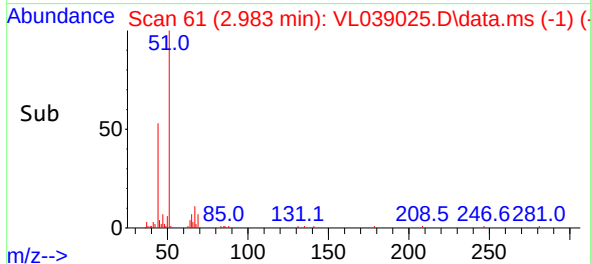
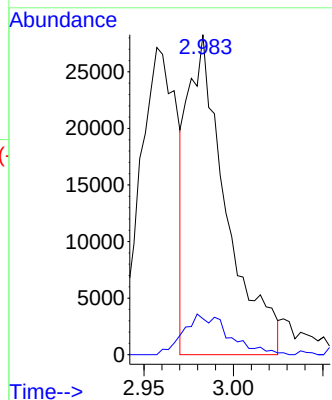
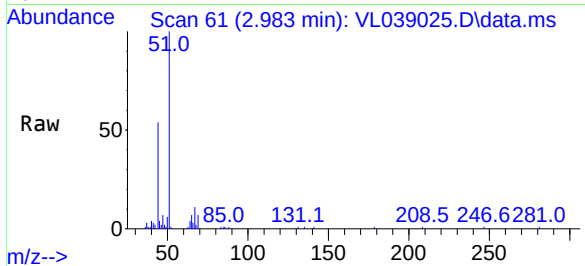
#3
Chlorodifluoromethane
Concen: 0.358 ppbv m
RT: 2.983 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 4260
Ion Ratio Lower Upper
51 100
67 15.6 15.8 23.8

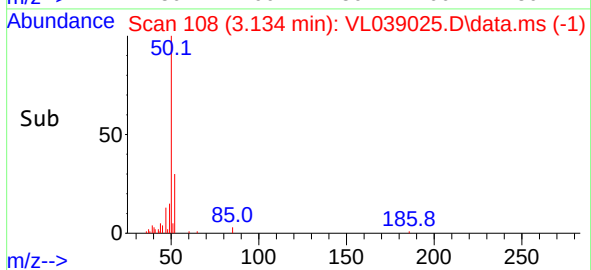
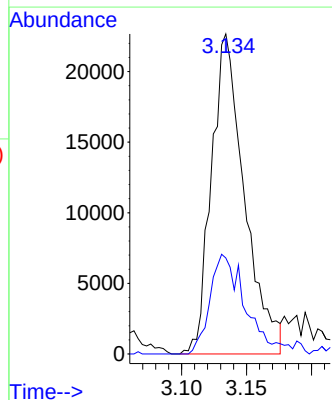
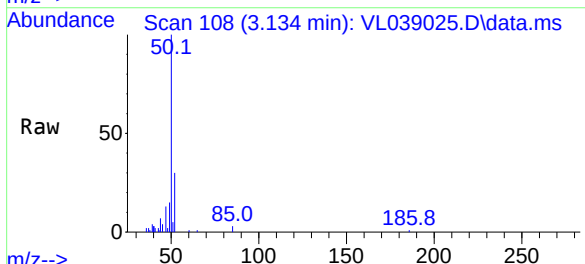
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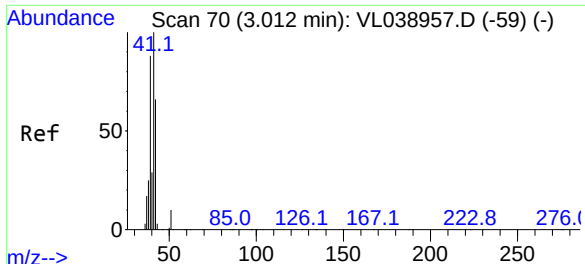
Reviewed By :Semsettin Yesilyurt 05/15/2022
Supervised By :Mahesh Dadoda 05/16/2022



#4
Chloromethane
Concen: 0.671 ppbv
RT: 3.134 min Scan# 108
Delta R.T. -0.010 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

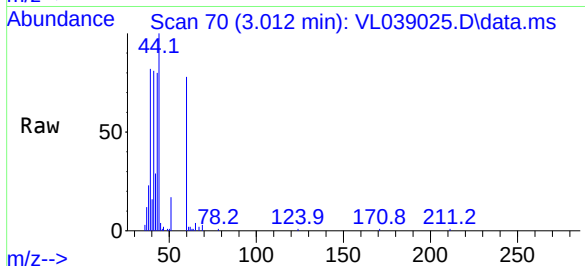
Tgt Ion: 50 Resp: 40042
Ion Ratio Lower Upper
50 100
52 30.0 27.3 40.9





#9
 Propene
 Concen: 0.775 ppbv m
 RT: 3.012 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VL039025.D
 Acq: 11 May 2022 18:25

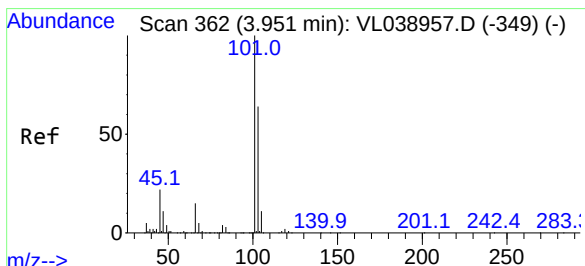
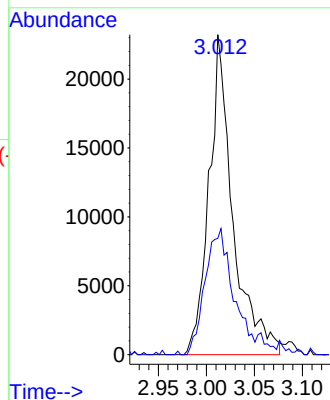
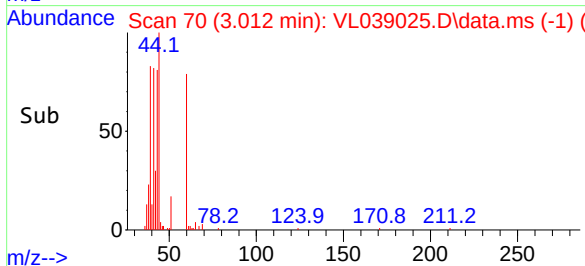
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 41 Resp: 40320
 Ion Ratio Lower Upper
 41 100
 42 135.1 58.3 87.5

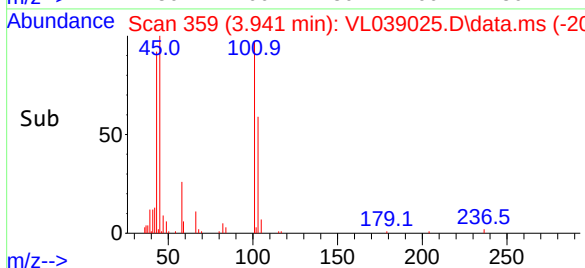
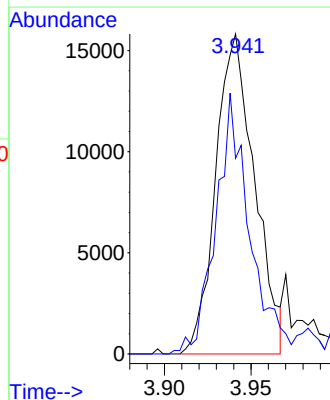
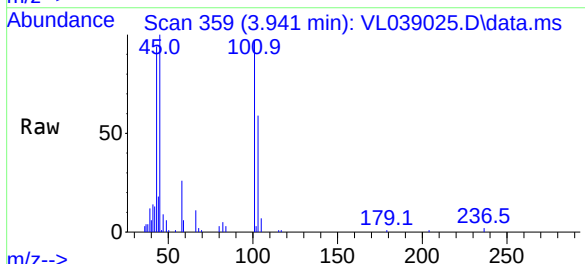
Manual Integrations
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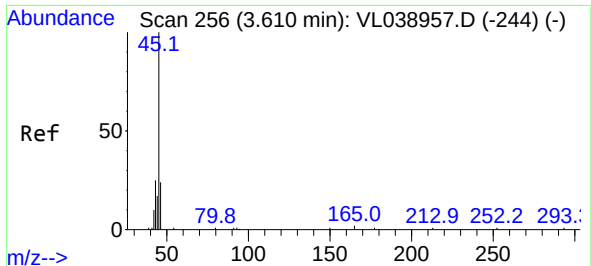
Reviewed By :Semsettin Yesilyurt 05/15/2022
 Supervised By :Mahesh Dadoda 05/16/2022



#11
 Trichlorofluoromethane
 Concen: 0.191 ppbv
 RT: 3.941 min Scan# 359
 Delta R.T. -0.010 min
 Lab File: VL039025.D
 Acq: 11 May 2022 18:25

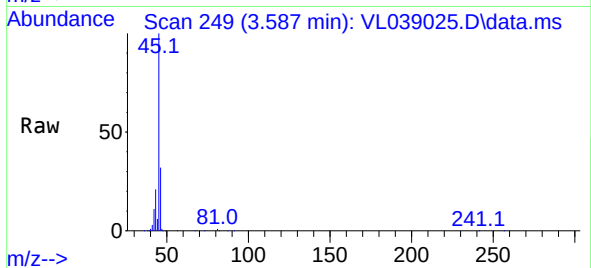
Tgt Ion:101 Resp: 24642
 Ion Ratio Lower Upper
 101 100
 103 60.1 51.5 77.3





#13
Ethanol
Concen: 60.975 ppbv
RT: 3.587 min Scan# 249
Delta R.T. -0.022 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

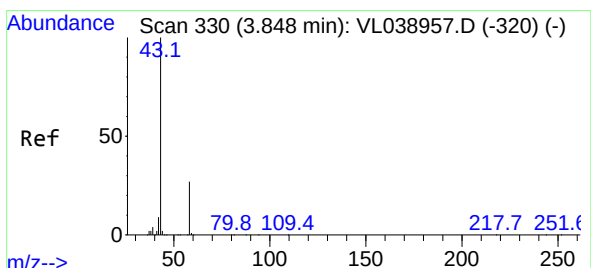
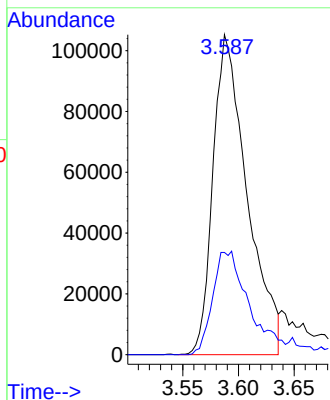
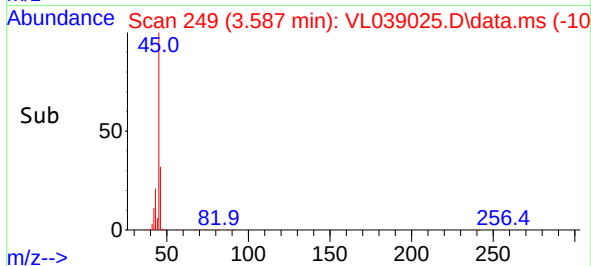
Instrument :
MSVOA_L
ClientSampleId :
IA1



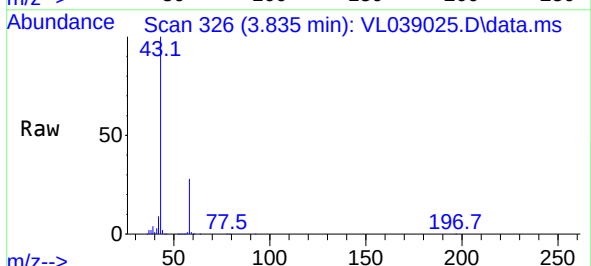
Tgt Ion: 45 Resp: 22442
Ion Ratio Lower Upper
45 100
46 38.9 18.0 72.2

Manual Integrations
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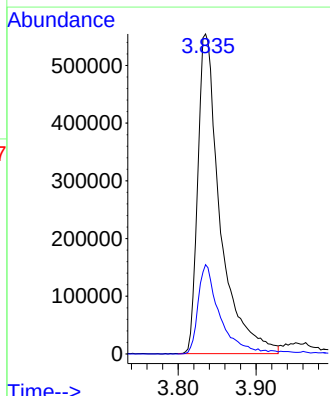
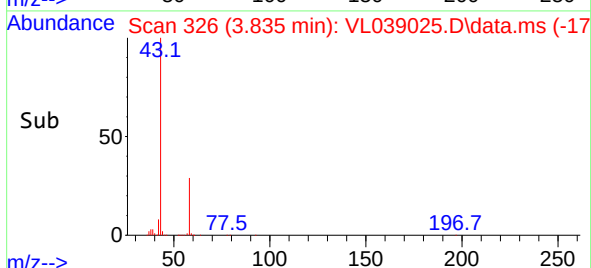
Reviewed By :Semsettin Yesilyurt 05/15/2022
Supervised By :Mahesh Dadoda 05/16/2022

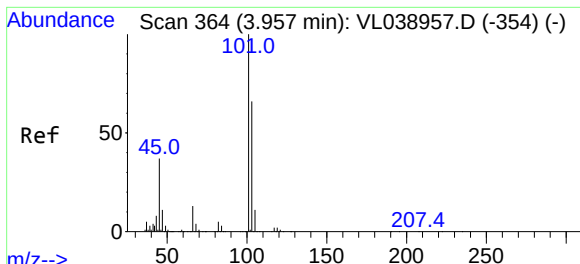


#15
Acetone
Concen: 12.203 ppbv
RT: 3.835 min Scan# 326
Delta R.T. -0.013 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25



Tgt Ion: 43 Resp: 1104733
Ion Ratio Lower Upper
43 100
58 28.7 21.3 31.9





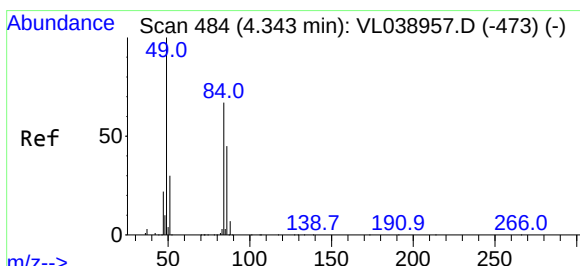
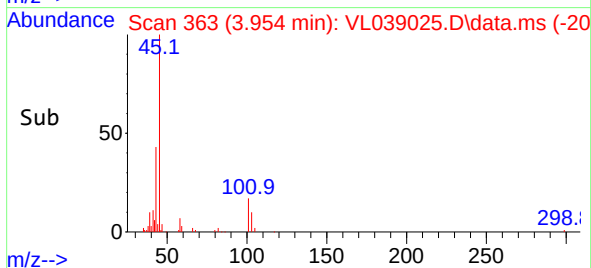
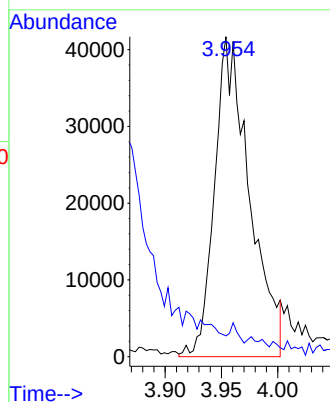
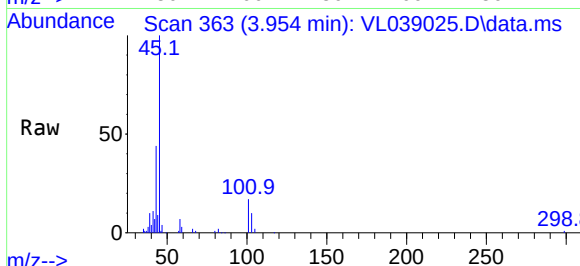
#19
Isopropyl Alcohol
Concen: 2.098 ppbv m
RT: 3.954 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 9029
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2

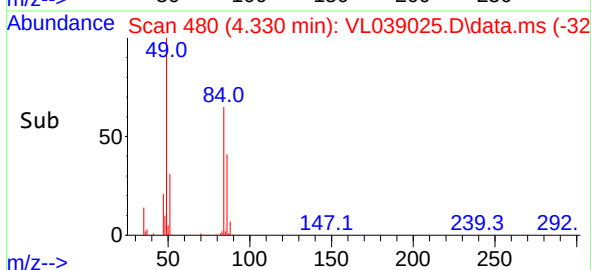
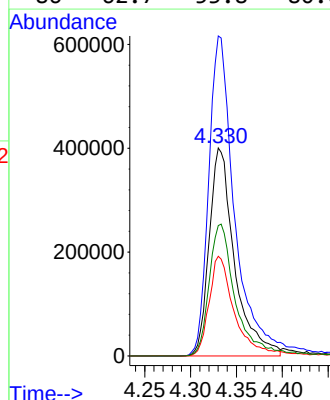
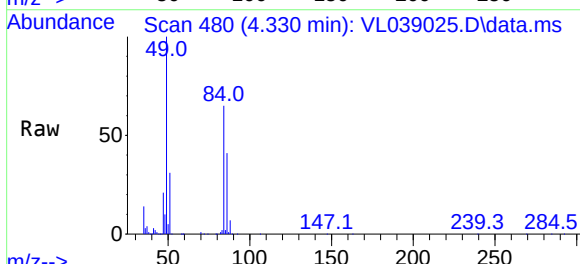
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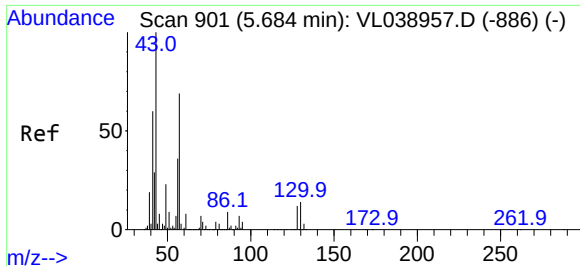
Reviewed By :Semsettin Yesilyurt 05/15/2022
Supervised By :Mahesh Dadoda 05/16/2022



#20
Methylene Chloride
Concen: 22.662 ppbv
RT: 4.330 min Scan# 480
Delta R.T. -0.013 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

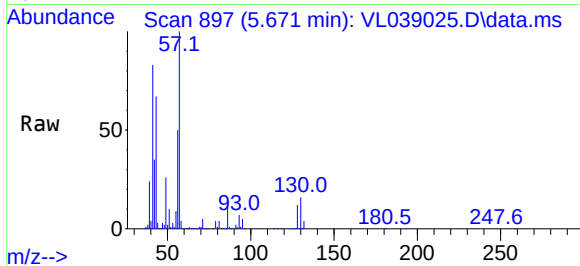
Tgt Ion: 84 Resp: 773255
Ion Ratio Lower Upper
84 100
49 153.9 119.9 179.9
51 47.9 35.7 53.5
86 62.7 53.8 80.6





#26
Hexane
Concen: 11.912 ppbv
RT: 5.671 min Scan# 897
Delta R.T. -0.013 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

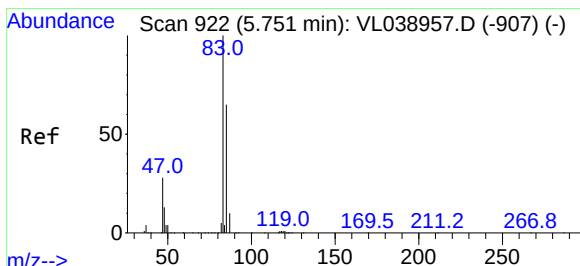
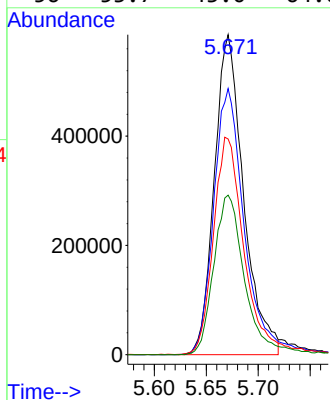
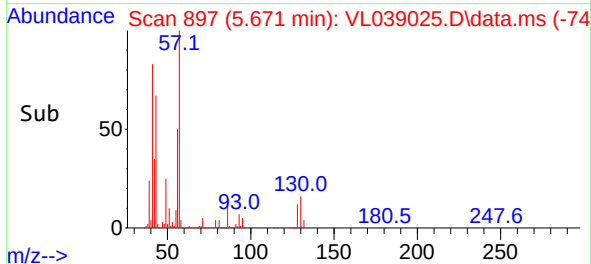
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 1146889
Ion Ratio Lower Upper
57 100
41 89.4 75.2 112.8
43 72.7 190.8 286.2
56 53.7 43.0 64.6

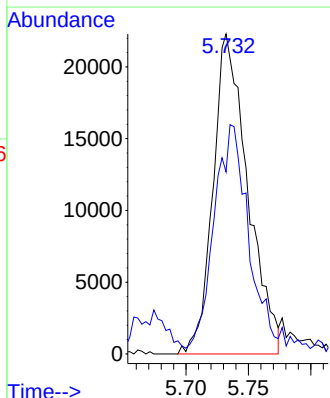
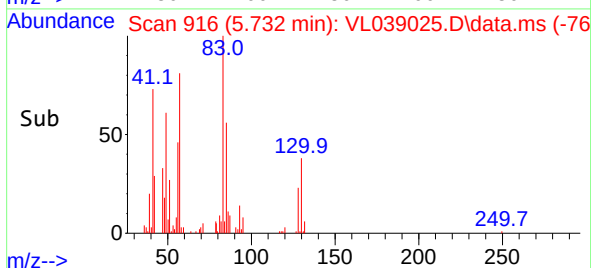
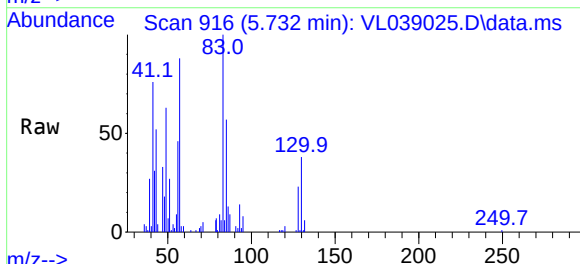
Manual Integrations
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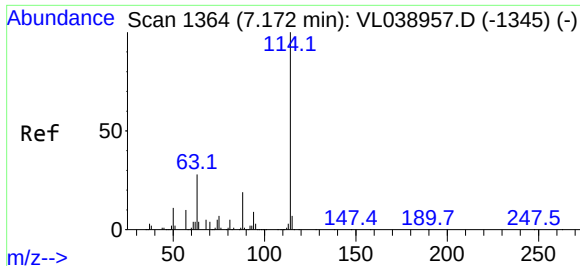
Reviewed By :Semsettin Yesilyurt 05/15/2022
Supervised By :Mahesh Dadoda 05/16/2022



#29
Chloroform
Concen: 0.277 ppbv
RT: 5.732 min Scan# 916
Delta R.T. -0.019 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

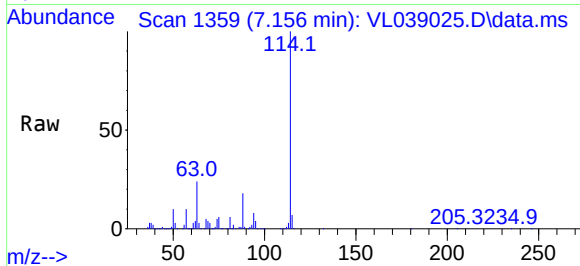
Tgt Ion: 83 Resp: 43180
Ion Ratio Lower Upper
83 100
85 52.8 51.8 77.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.156 min Scan# 114
Delta R.T. -0.016 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

Instrument :
MSVOA_L
ClientSampleId :
IA1

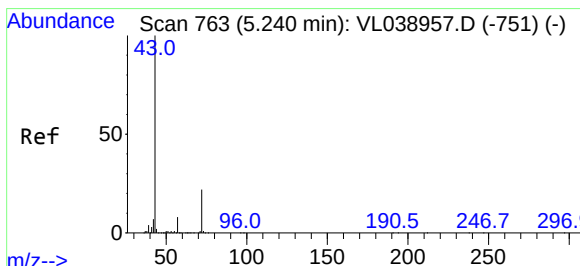
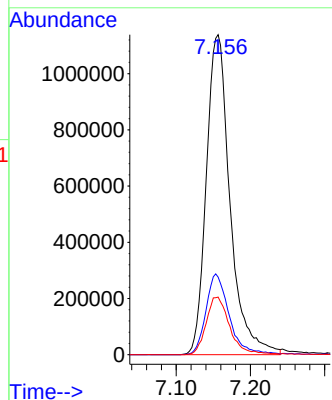
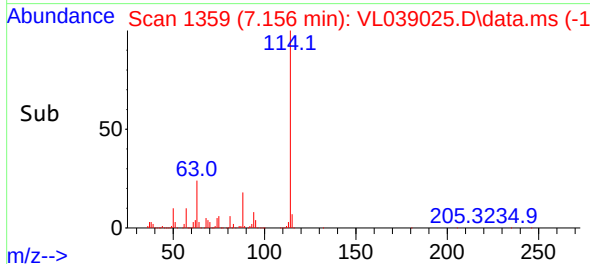


Tgt Ion:114 Resp: 252781

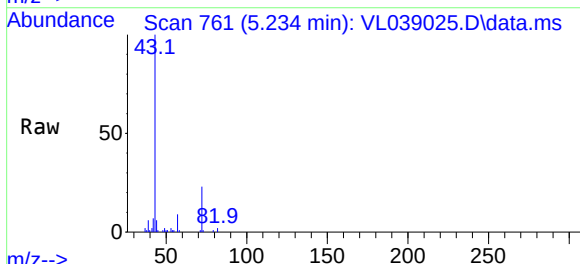
Ion	Ratio	Lower	Upper
114	100		
63	25.0	22.6	33.8
88	18.2	15.4	23.0

Manual Integrations
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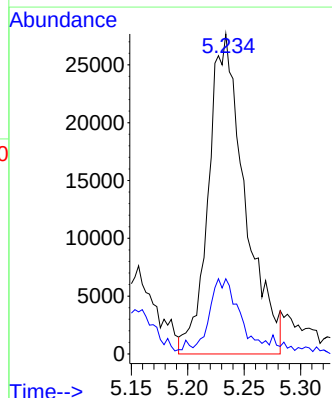
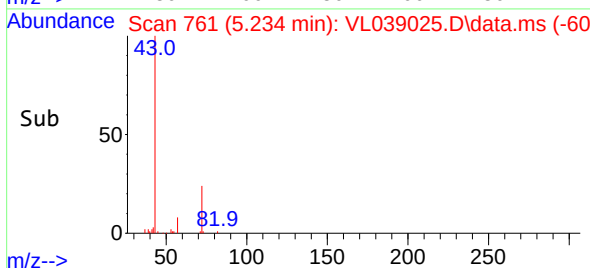


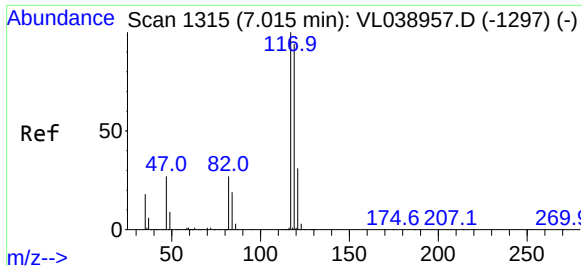
#34
2-Butanone
Concen: 0.480 ppbv m
RT: 5.234 min Scan# 761
Delta R.T. -0.006 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25



Tgt Ion: 43 Resp: 61956

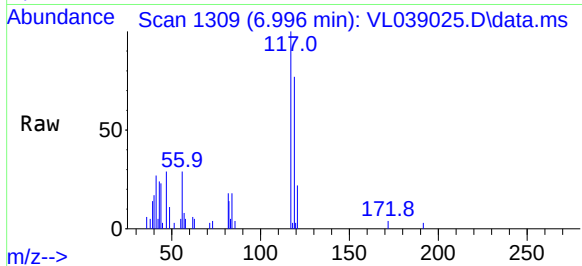
Ion	Ratio	Lower	Upper
43	100		
72	23.7	17.8	26.6





#35
Carbon Tetrachloride
Concen: 0.053 ppbv m
RT: 6.996 min Scan# 117
Delta R.T. -0.019 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

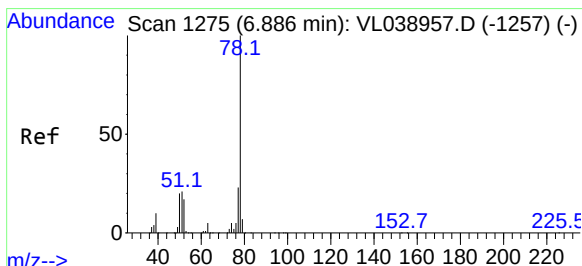
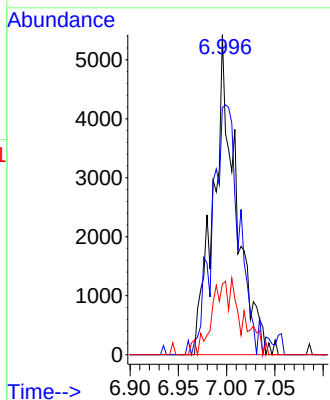
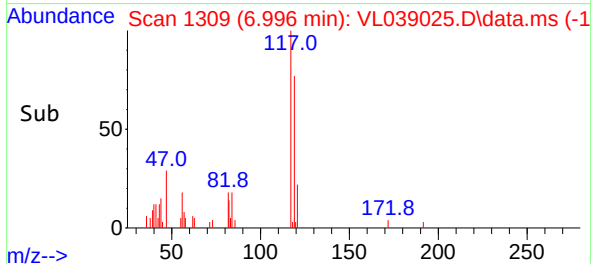
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:117 Resp: 8894
Ion Ratio Lower Upper
117 100
119 77.1 75.2 112.8
121 22.0 24.6 37.0

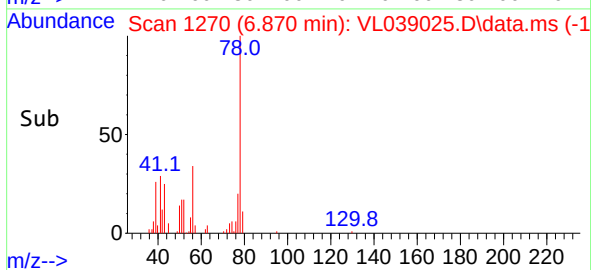
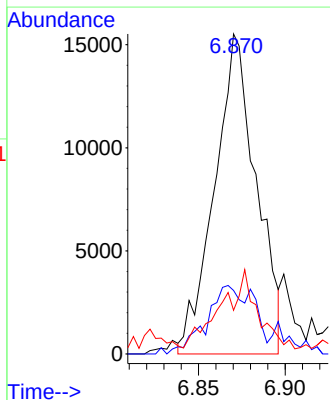
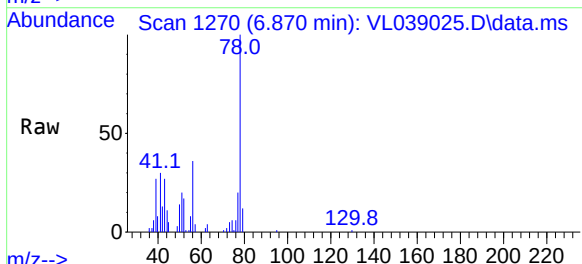
Manual Integrations
APPROVED

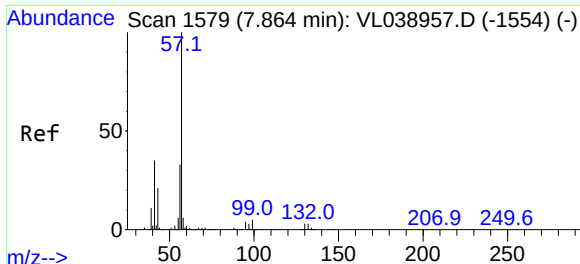
Reviewed By :Semsettin Yesilyurt 05/15/2022
Supervised By :Mahesh Dadoda 05/16/2022



#36
Benzene
Concen: 0.120 ppbv
RT: 6.870 min Scan# 1270
Delta R.T. -0.016 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

Tgt Ion: 78 Resp: 26004
Ion Ratio Lower Upper
78 100
77 18.5 18.6 28.0#
50 11.7 15.6 23.4#





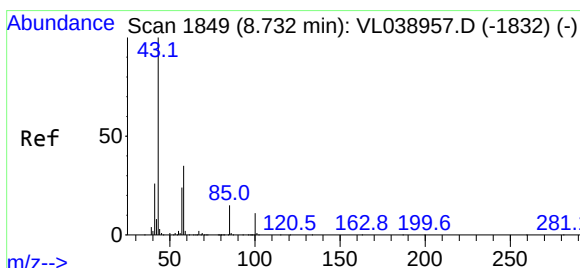
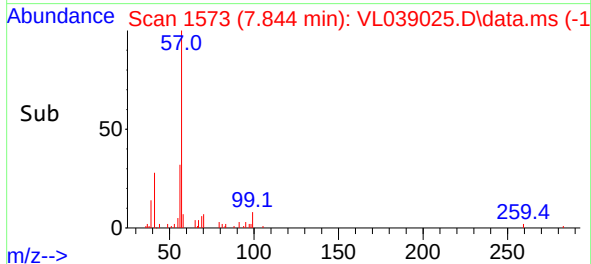
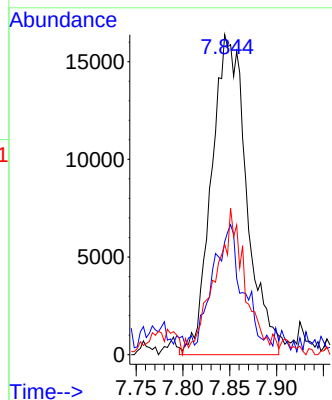
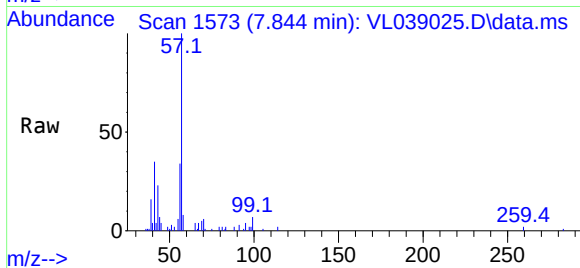
#44
2,2,4-Trimethylpentane
Concen: 0.112 ppbv m
RT: 7.844 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 57 Resp: 42624
Ion Ratio Lower Upper
57 100
41 0.0 26.3 39.5
56 0.0 24.6 37.0

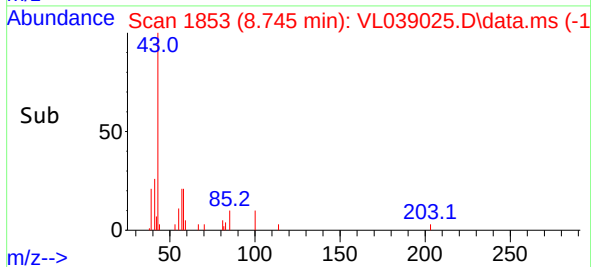
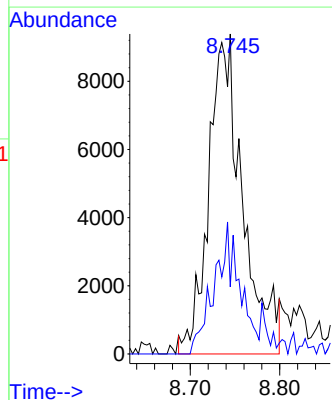
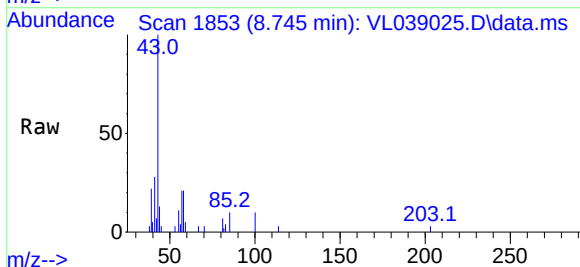
Manual Integrations
APPROVED

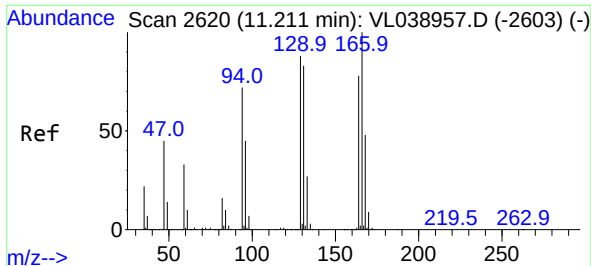
Reviewed By :Semsettin Yesilyurt 05/15/2022
Supervised By :Mahesh Dadoda 05/16/2022



#50
4-Methyl-2-Pentanone
Concen: 0.109 ppbv m
RT: 8.745 min Scan# 1853
Delta R.T. 0.013 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

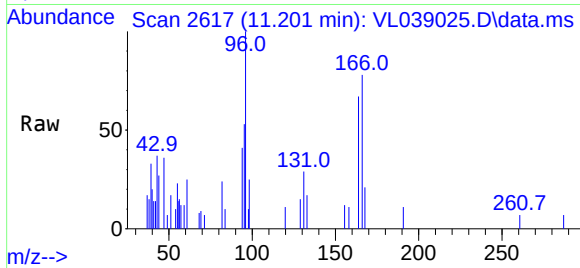
Tgt Ion: 43 Resp: 24634
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6





#52
Tetrachloroethene
Concen: 0.035 ppbv m
RT: 11.201 min Scan# 2175
Delta R.T. -0.010 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

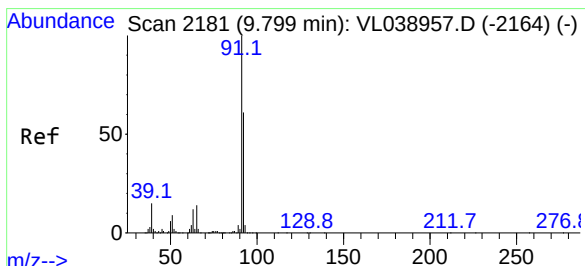
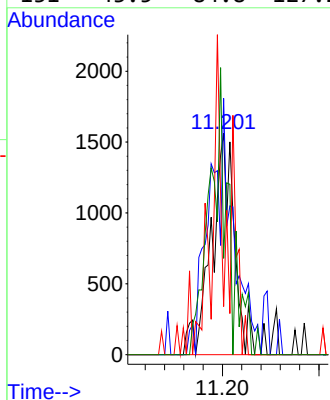
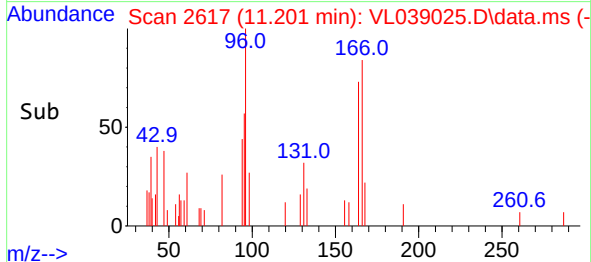
Instrument :
MSVOA_L
ClientSampleId :
IA1



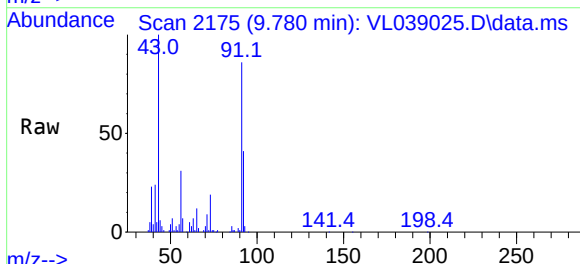
Tgt Ion:164 Resp: 269
Ion Ratio Lower Upper
164 100
166 115.9 102.5 153.7
129 21.8 90.1 135.1
131 43.5 84.8 127.2

Manual Integrations
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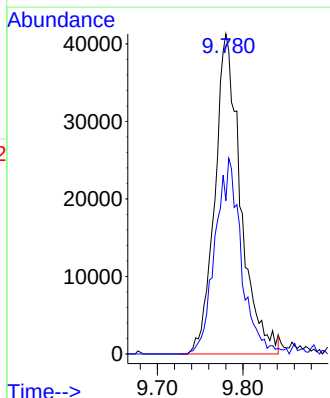
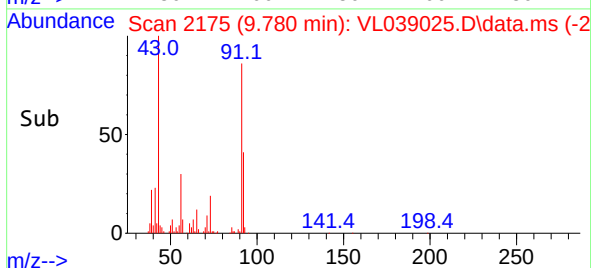
Reviewed By :Semsettin Yesilyurt 05/15/2022
Supervised By :Mahesh Dadoda 05/16/2022

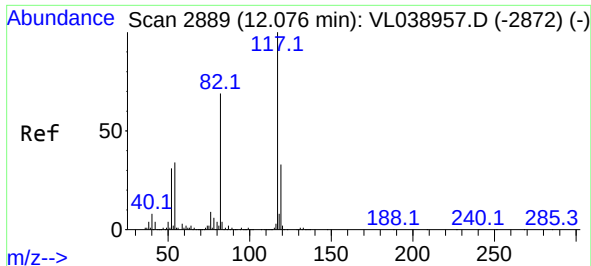


#53
Toluene
Concen: 0.357 ppbv m
RT: 9.780 min Scan# 2175
Delta R.T. -0.019 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25



Tgt Ion: 91 Resp: 86511
Ion Ratio Lower Upper
91 100
92 61.9 48.2 72.2





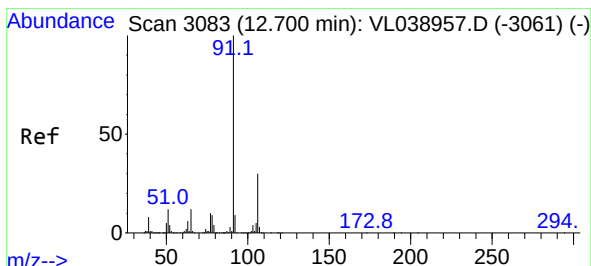
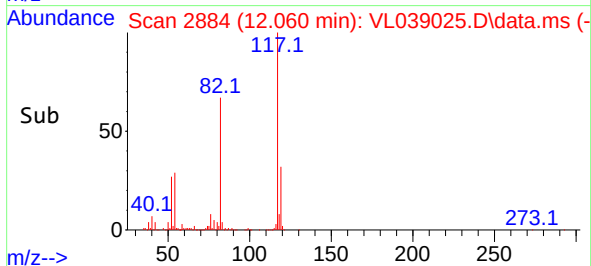
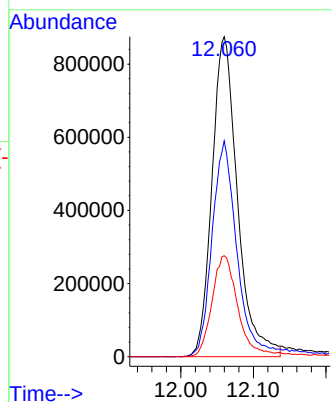
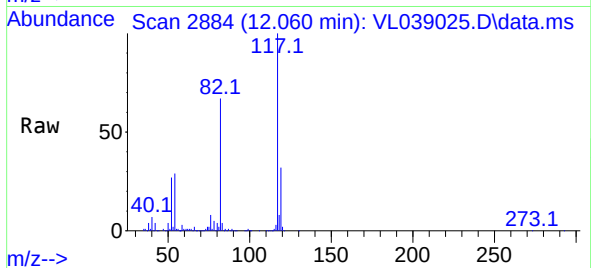
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.060 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 117 Resp: 213744
Ion Ratio Lower Upper
117 100
82 69.1 57.0 85.6
119 33.2 27.2 40.8

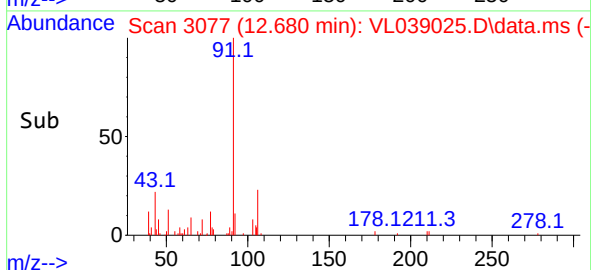
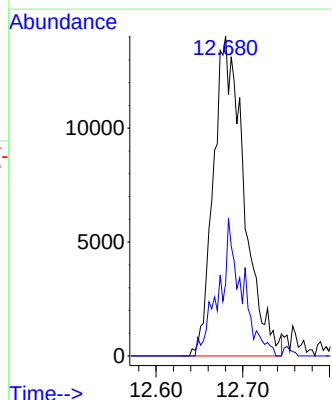
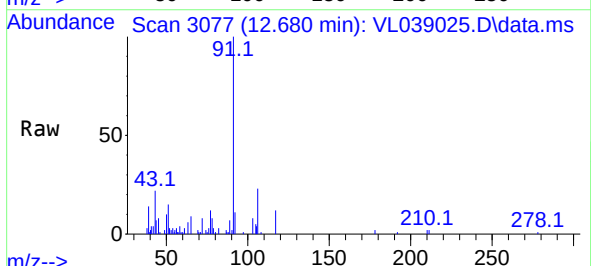
Manual Integrations
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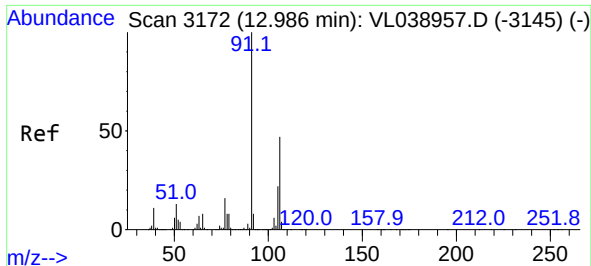
Reviewed By :Semsettin Yesilyurt 05/15/2022
Supervised By :Mahesh Dadoda 05/16/2022



#58
Ethyl Benzene
Concen: 0.112 ppbv m
RT: 12.680 min Scan# 3077
Delta R.T. -0.019 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

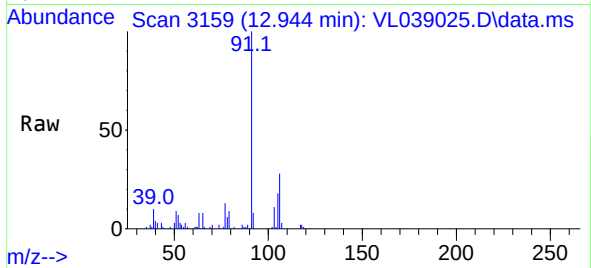
Tgt Ion: 91 Resp: 34494
Ion Ratio Lower Upper
91 100
106 22.6 24.2 36.4#





#59
m/p-Xylene
Concen: 0.322 ppbv m
RT: 12.944 min Scan# 3172
Delta R.T. -0.042 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

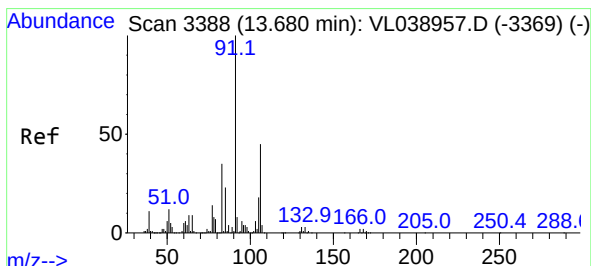
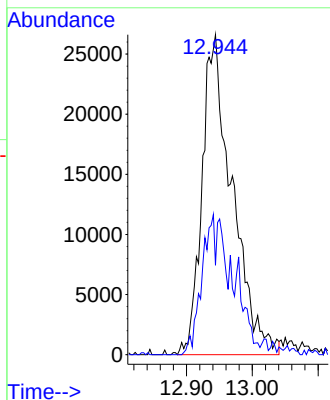
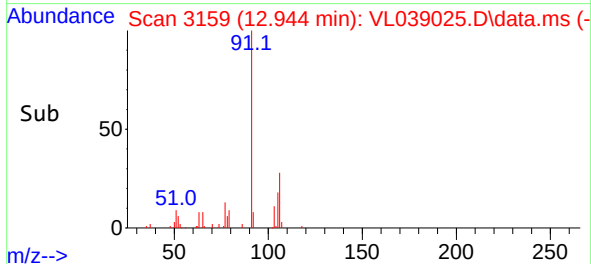
Instrument :
MSVOA_L
ClientSampleId :
IA1



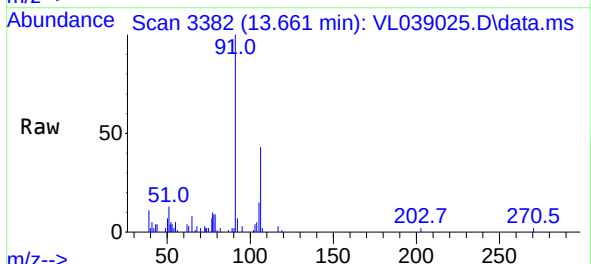
Tgt Ion: 91 Resp: 8448
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0

Manual Integrations
APPROVED

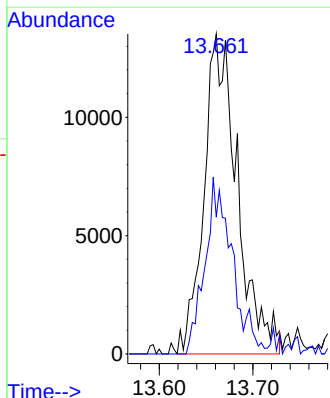
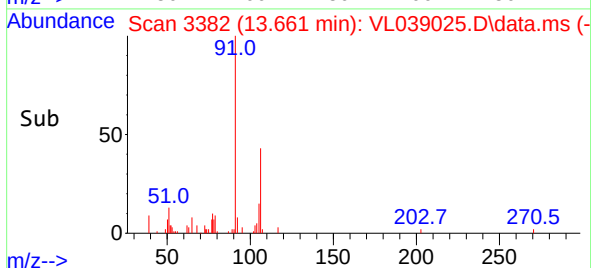
Reviewed By :Semsettin Yesilyurt 05/15/2022
Supervised By :Mahesh Dadoda 05/16/2022

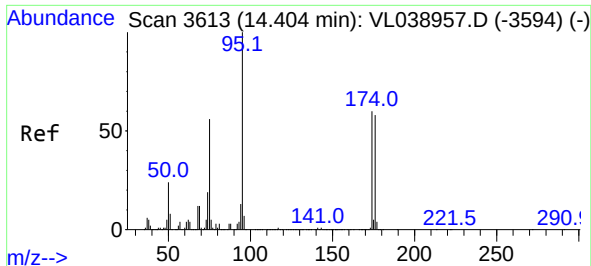


#60
o-Xylene
Concen: 0.136 ppbv m
RT: 13.661 min Scan# 3382
Delta R.T. -0.019 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25



Tgt Ion: 91 Resp: 33590
Ion Ratio Lower Upper
91 100
106 44.5 22.2 66.6





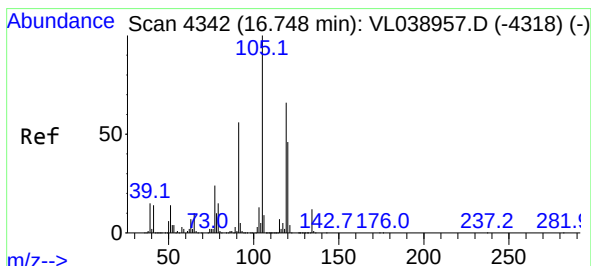
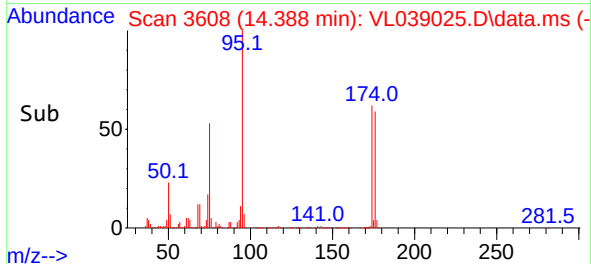
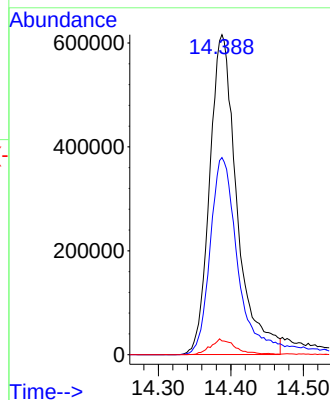
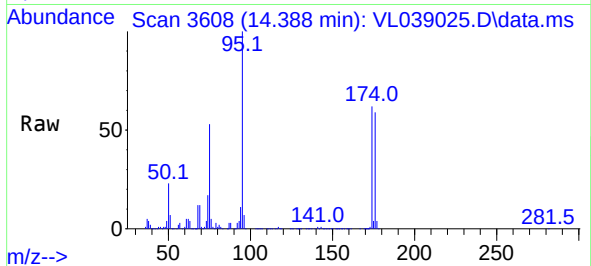
#68
1-Bromo-4-Fluorobenzene
Concen: 9.508 ppbv
RT: 14.388 min Scan# 30
Delta R.T. -0.016 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 95 Resp: 1609478
Ion Ratio Lower Upper
95 100
174 66.7 50.8 76.2
175 4.8 3.8 5.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2022
Supervised By :Mahesh Dadoda 05/16/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.132 ppbv
RT: 16.732 min Scan# 4337
Delta R.T. -0.016 min
Lab File: VL039025.D
Acq: 11 May 2022 18:25

Tgt Ion:105 Resp: 36549
Ion Ratio Lower Upper
105 100
120 30.5 36.9 55.3#
91 12.1 45.0 67.4#
77 14.0 19.2 28.8#

