

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021422\
 Data File : VL038351.D
 Acq On : 14 Feb 2022 22:05
 Operator : SY/AP
 Sample : N1442-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/15/2022
 Supervised By :Mahesh Dadoda 02/18/2022

Quant Time: Feb 15 00:42:30 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 2022

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.639	49	774476	10.000	ppbv	-0.04
33) 1,4-Difluorobenzene	7.143	114	2089030	10.000	ppbv	-0.04
55) Chlorobenzene-d5	12.050	117	1771249	10.000	ppbv	#-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.378	95	1341692	9.980	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.038	85	31957	0.194	ppbv	89
3) Chlorodifluoromethane	2.980	51	131656	0.854	ppbv	95
4) Chloromethane	3.131	50	24576	0.463	ppbv	100
9) Propene	3.005	41	47045m	0.937	ppbv	
11) Trichlorofluoromethane	3.931	101	27752m	0.216	ppbv	
13) Ethanol	3.587	45	219250m	40.692	ppbv	
15) Acetone	3.835	43	228646	3.349	ppbv	97
19) Isopropyl Alcohol	3.954	45	137045	3.209	ppbv #	98
20) Methylene Chloride	4.327	84	96640	2.434	ppbv	97
26) Hexane	5.661	57	75001	0.844	ppbv #	60
34) 2-Butanone	5.227	43	31027m	0.454	ppbv	
35) Carbon Tetrachloride	6.989	117	9029m	0.062	ppbv	
36) Benzene	6.861	78	57794	0.313	ppbv	95
52) Tetrachloroethene	11.182	164	1935m	0.030	ppbv	
53) Toluene	9.767	91	53242m	0.260	ppbv	
59) m/p-Xylene	12.941	91	26973m	0.121	ppbv	

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

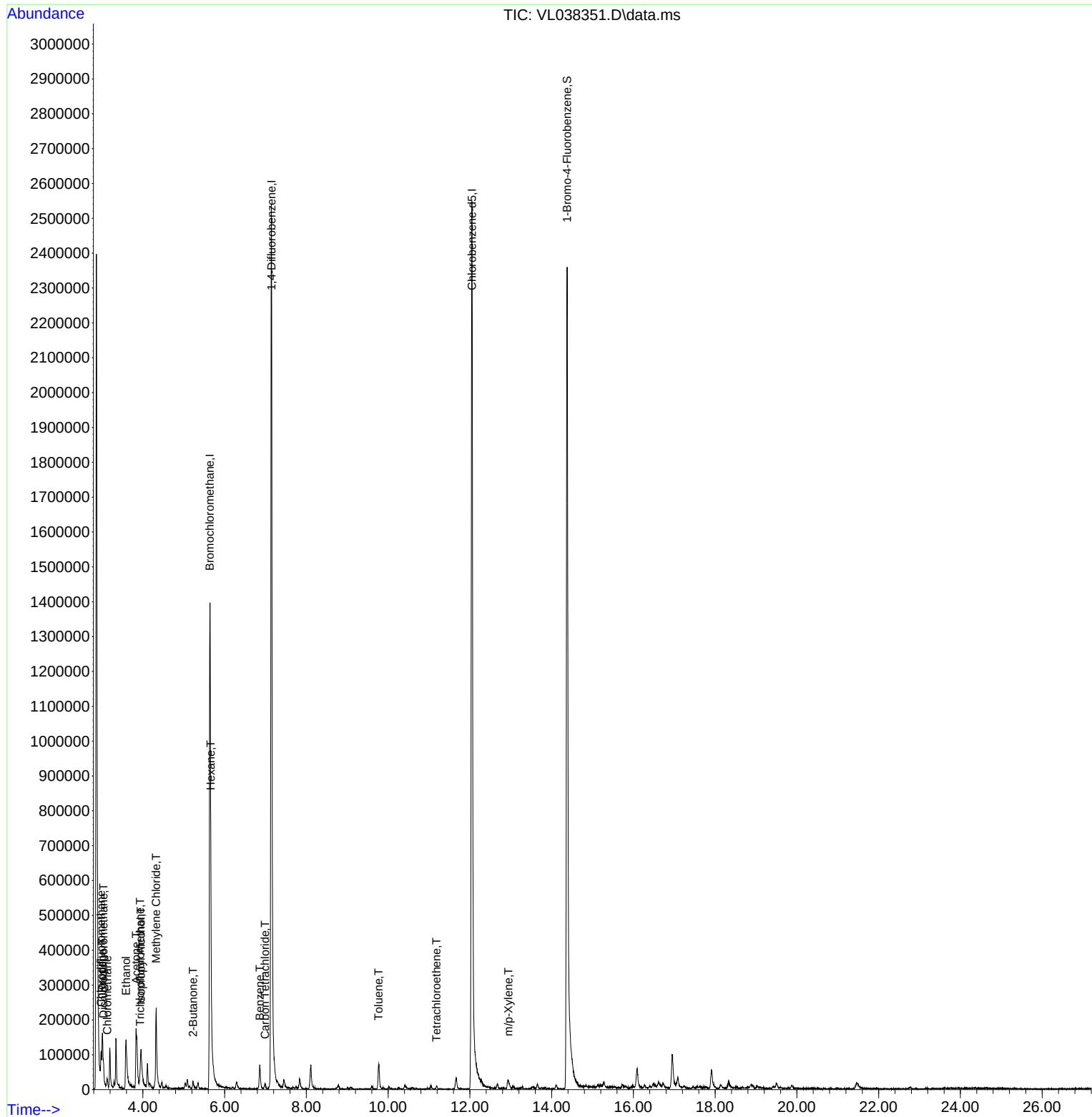
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021422\
Data File : VL038351.D
Acq On : 14 Feb 2022 22:05
Operator : SY/AP
Sample : N1442-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

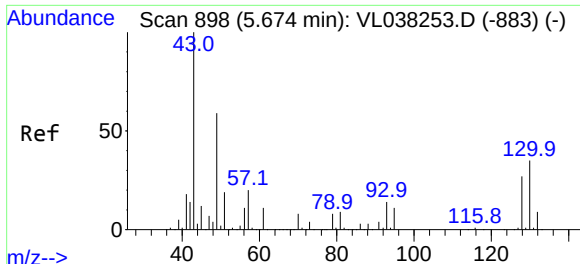
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Feb 15 00:42:30 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

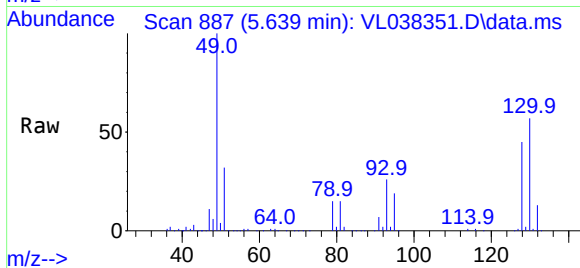
Reviewed By : Semsettin Yesilyurt 02/15/2022
Supervised By : Mahesh Dadoda 02/18/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.639 min Scan# 81
Delta R.T. -0.035 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

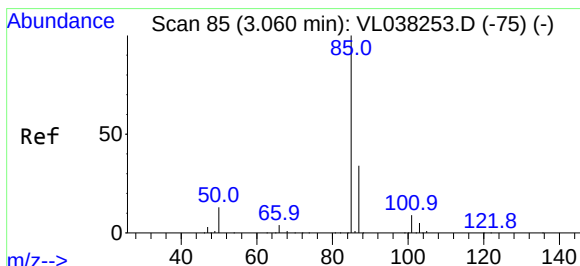
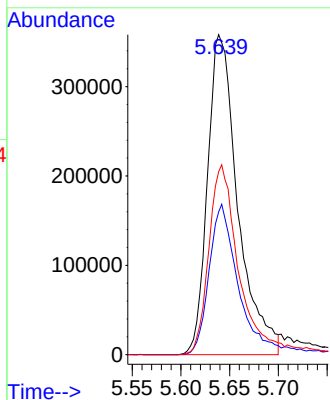
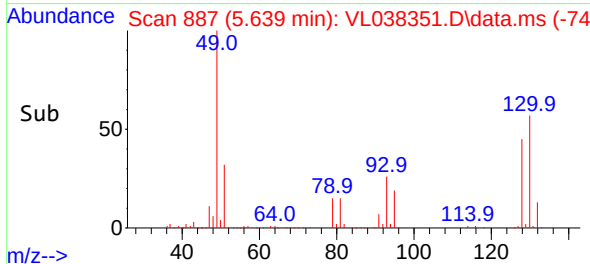
Instrument :
MSVOA_L
ClientSampleId :
OA1



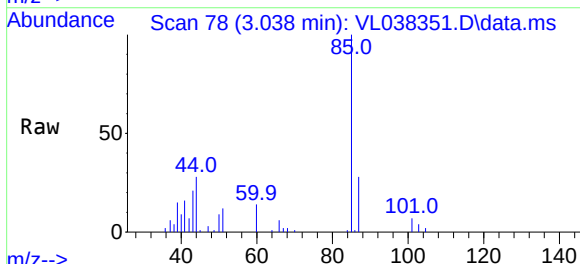
Tgt Ion: 49 Resp: 774476
Ion Ratio Lower Upper
49 100
128 47.9 24.5 73.5
130 62.2 30.1 90.5

Manual Integrations
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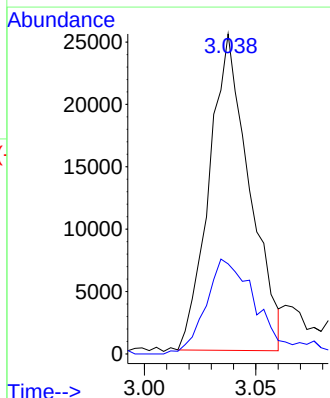
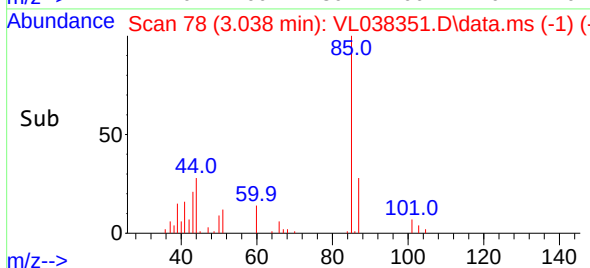
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

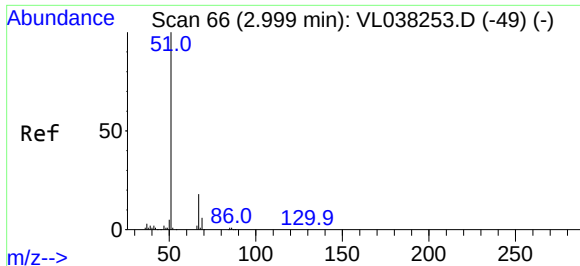


#2
Dichlorodifluoromethane
Concen: 0.194 ppbv
RT: 3.038 min Scan# 78
Delta R.T. -0.023 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05



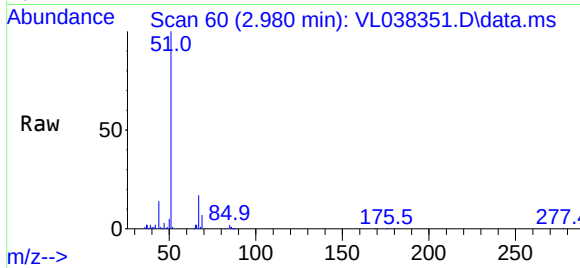
Tgt Ion: 85 Resp: 31957
Ion Ratio Lower Upper
85 100
87 27.6 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.854 ppbv
RT: 2.980 min Scan# 60
Delta R.T. -0.019 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

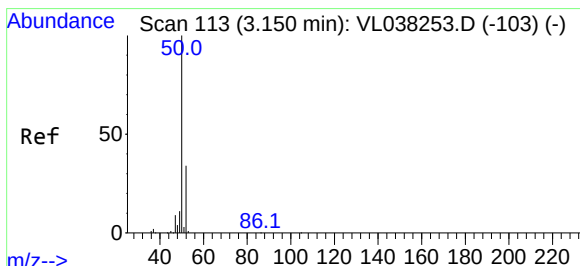
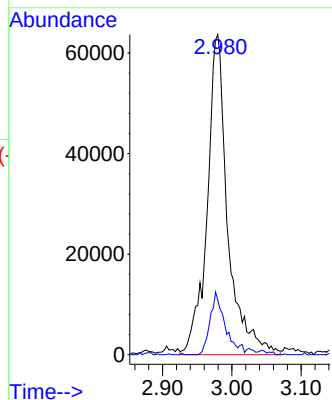
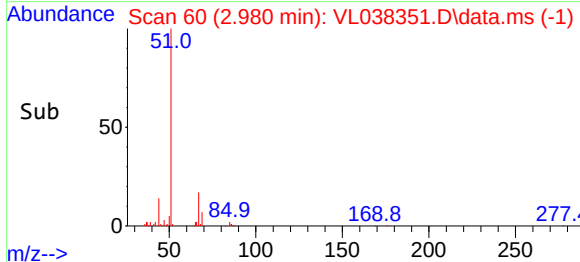
Instrument :
MSVOA_L
ClientSampleId :
OA1



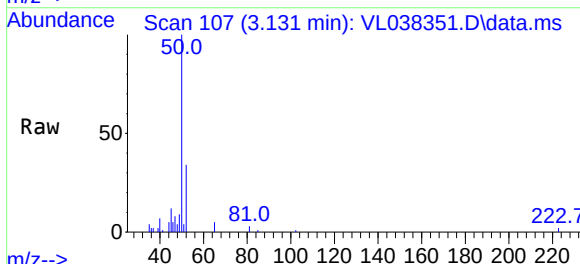
Tgt Ion: 51 Resp: 131650
Ion Ratio Lower Upper
51 100
67 15.6 14.4 21.6

Manual Integrations
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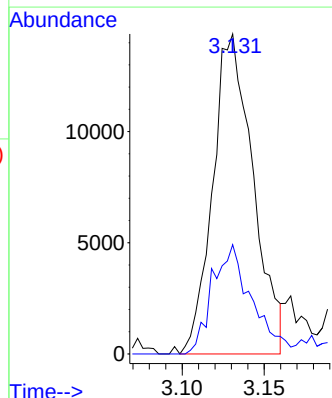
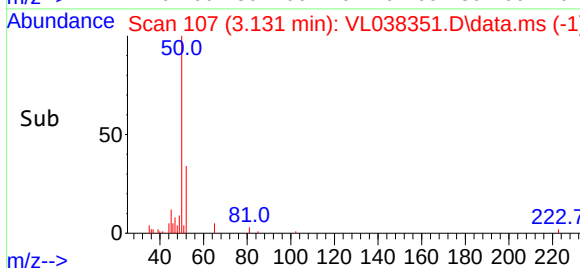
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

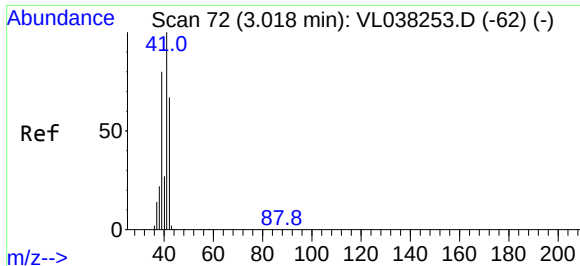


#4
Chloromethane
Concen: 0.463 ppbv
RT: 3.131 min Scan# 107
Delta R.T. -0.019 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05



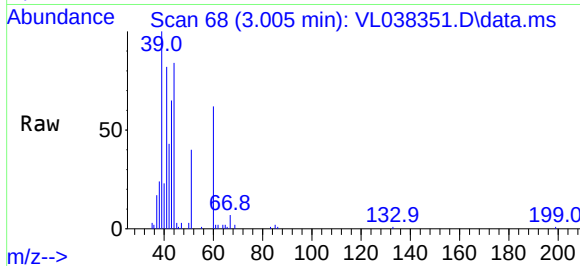
Tgt Ion: 50 Resp: 24576
Ion Ratio Lower Upper
50 100
52 34.1 27.1 40.7





#9
Propene
Concen: 0.937 ppbv m
RT: 3.005 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

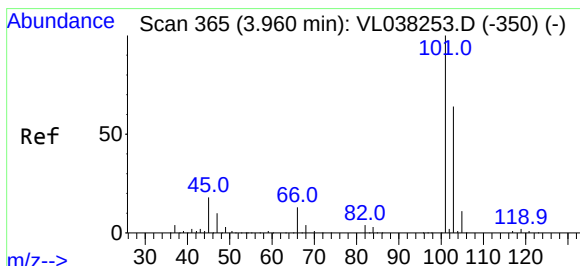
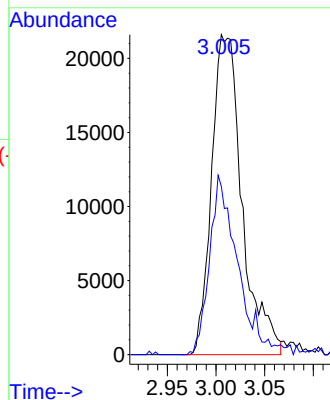
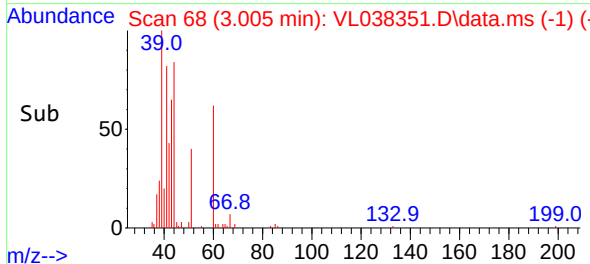
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 41 Resp: 47045
Ion Ratio Lower Upper
41 100
42 52.0 54.9 82.3

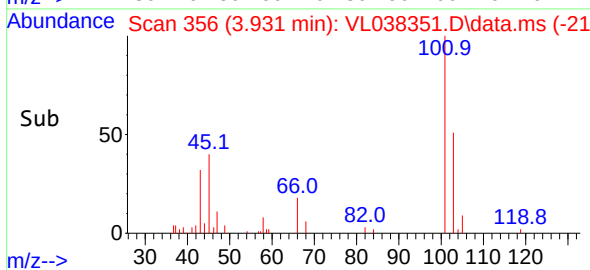
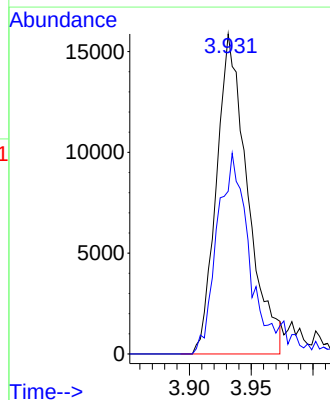
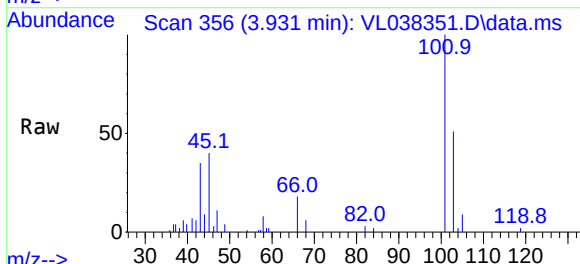
Manual Integrations
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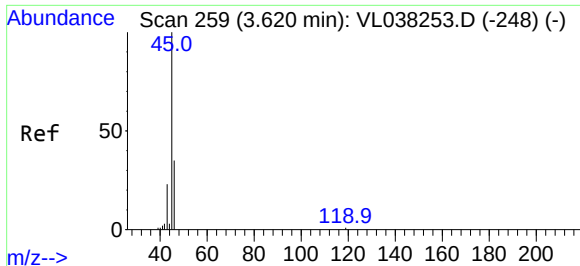
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#11
Trichlorofluoromethane
Concen: 0.216 ppbv m
RT: 3.931 min Scan# 356
Delta R.T. -0.029 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

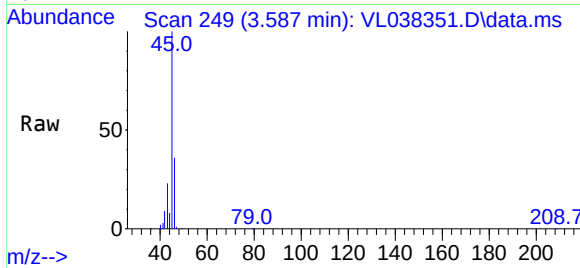
Tgt Ion:101 Resp: 27752
Ion Ratio Lower Upper
101 100
103 50.8 51.2 76.8





#13
Ethanol
Concen: 40.692 ppbv m
RT: 3.587 min Scan# 249
Delta R.T. -0.032 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

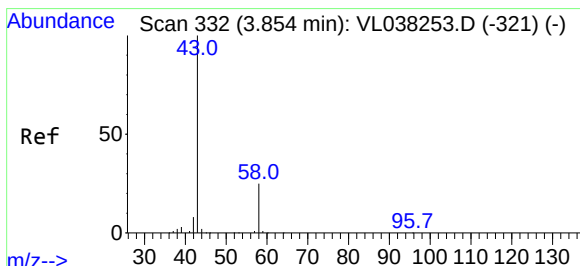
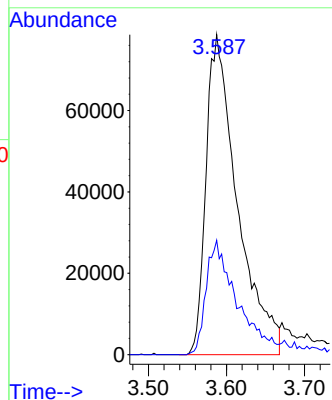
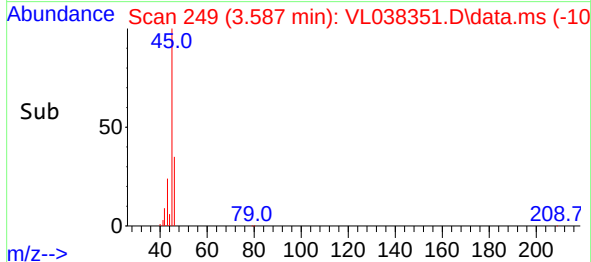
Instrument :
MSVOA_L
ClientSampleId :
OA1



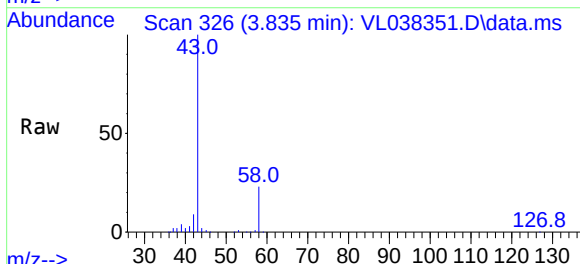
Tgt Ion: 45 Resp: 219250
Ion Ratio Lower Upper
45 100
46 37.7 15.4 61.6

Manual Integrations
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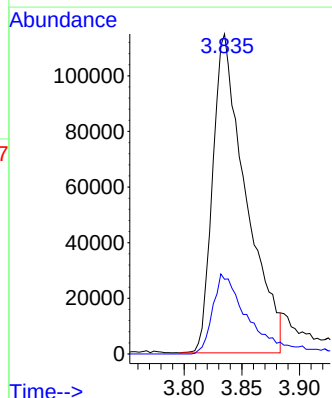
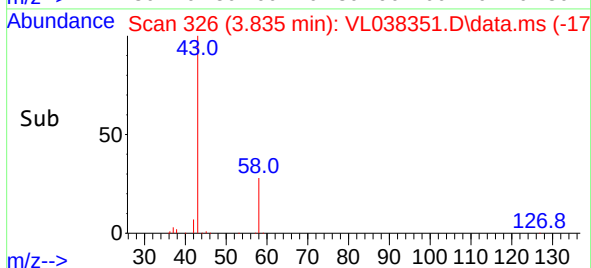
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022

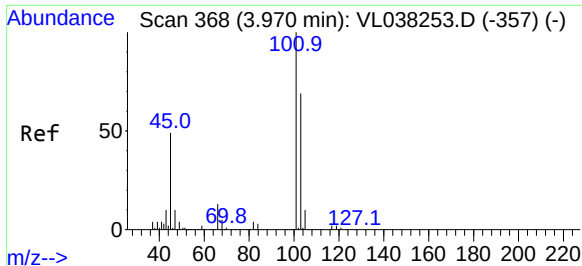


#15
Acetone
Concen: 3.349 ppbv
RT: 3.835 min Scan# 326
Delta R.T. -0.019 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05



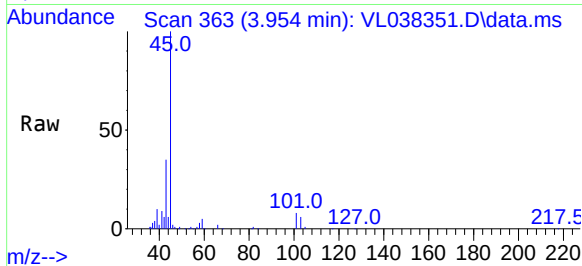
Tgt Ion: 43 Resp: 228646
Ion Ratio Lower Upper
43 100
58 28.5 21.5 32.3





#19
Isopropyl Alcohol
Concen: 3.209 ppbv
RT: 3.954 min Scan# 30
Delta R.T. -0.016 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

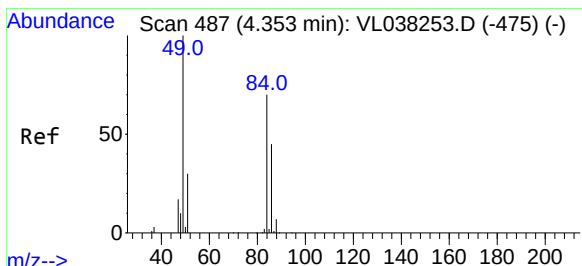
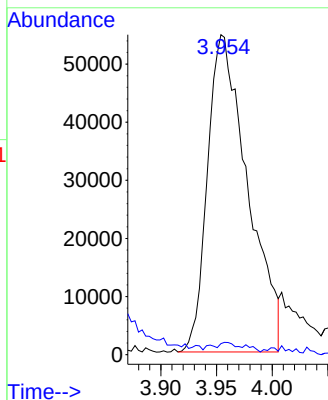
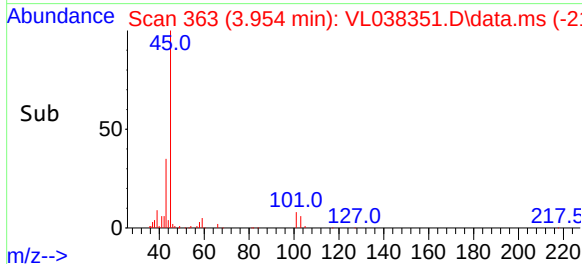
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 45 Resp: 137045
Ion Ratio Lower Upper
45 100
58 2.2 2.3 3.5

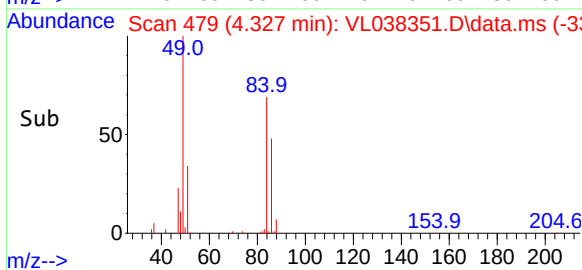
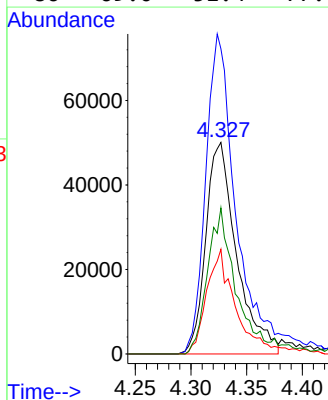
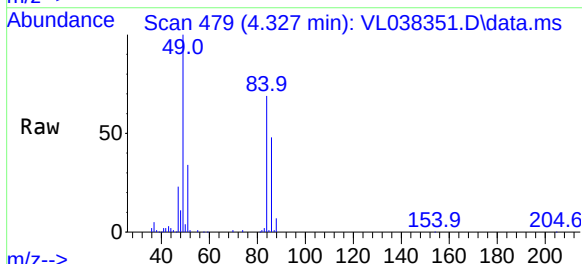
Manual Integrations
APPROVED

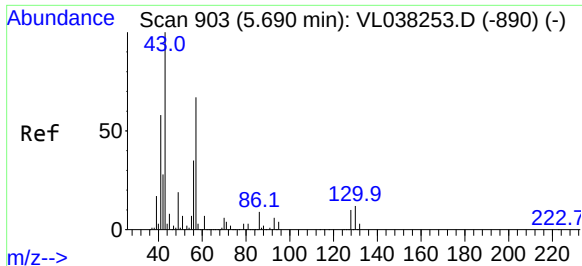
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#20
Methylene Chloride
Concen: 2.434 ppbv
RT: 4.327 min Scan# 479
Delta R.T. -0.026 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

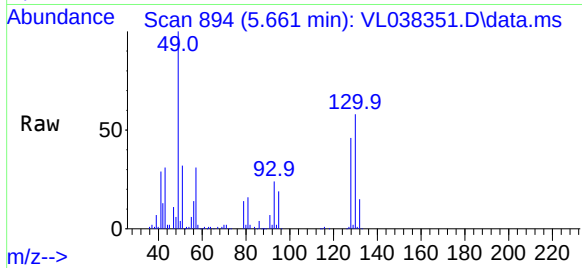
Tgt Ion: 84 Resp: 96640
Ion Ratio Lower Upper
84 100
49 144.2 115.0 172.6
51 49.4 35.0 52.6
86 69.0 51.4 77.0





#26
Hexane
Concen: 0.844 ppbv
RT: 5.661 min Scan# 894
Delta R.T. -0.029 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

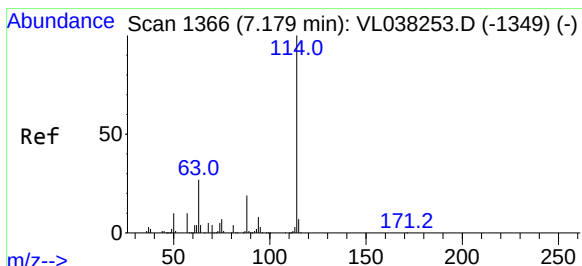
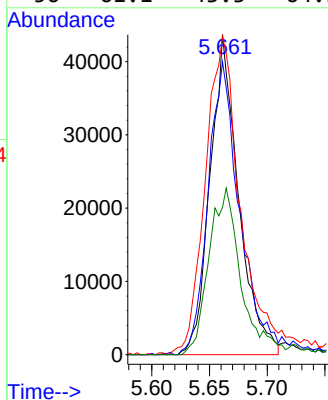
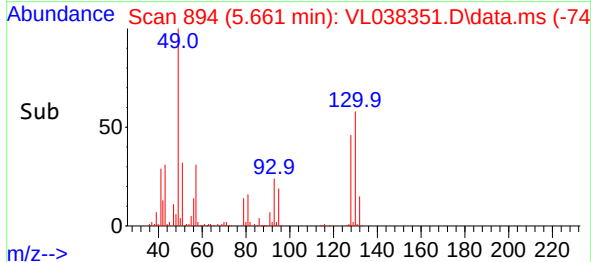
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 7500
Ion Ratio Lower Upper
57 100
41 105.6 72.8 109.2
43 127.7 177.0 265.6
56 61.1 43.3 64.9

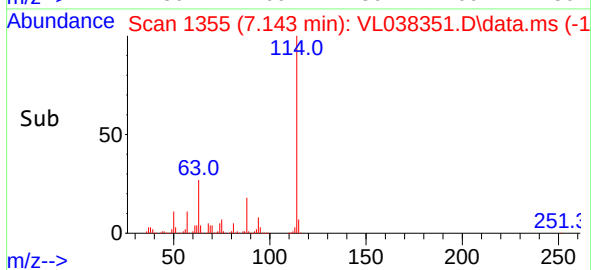
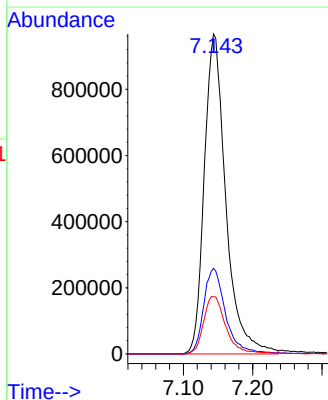
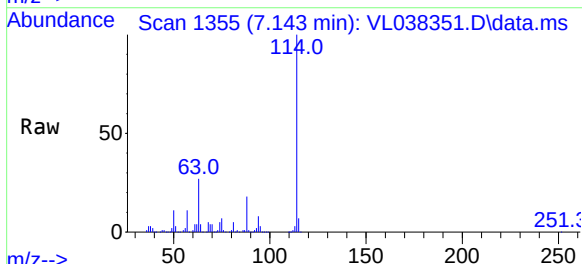
Manual Integrations
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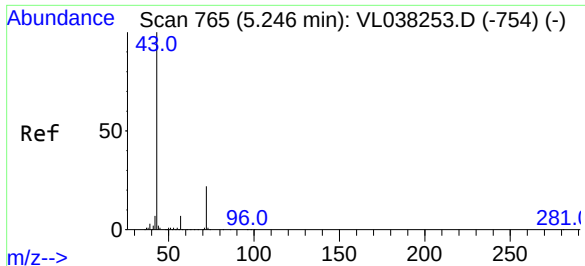
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.143 min Scan# 1355
Delta R.T. -0.035 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

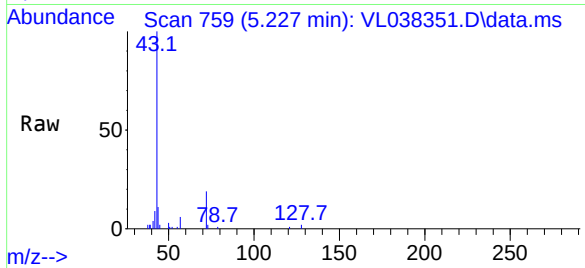
Tgt Ion:114 Resp: 2089030
Ion Ratio Lower Upper
114 100
63 27.7 22.0 33.0
88 18.7 15.0 22.6





#34
2-Butanone
Concen: 0.454 ppbv m
RT: 5.227 min Scan# 710
Delta R.T. -0.019 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

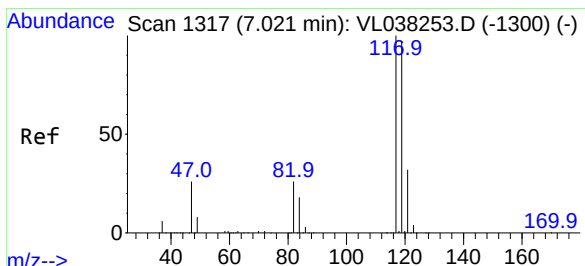
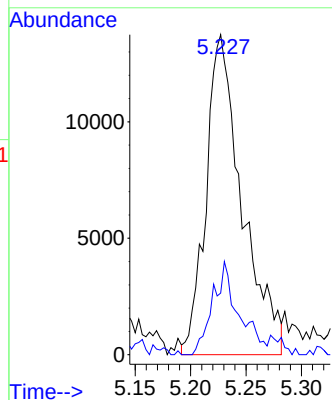
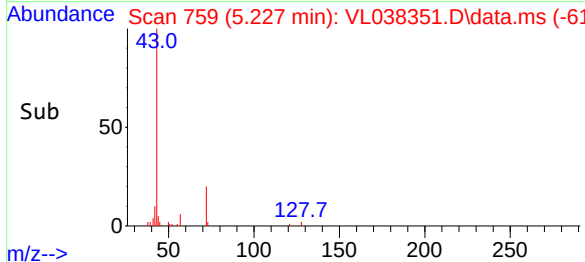
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 3102
Ion Ratio Lower Upper
43 100
72 23.4 18.1 27.1

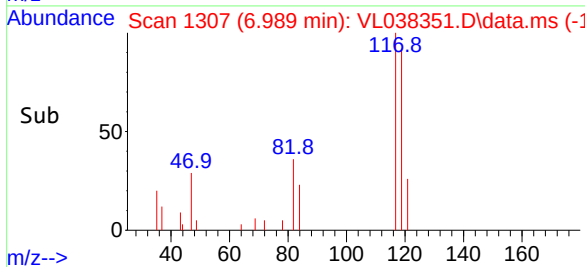
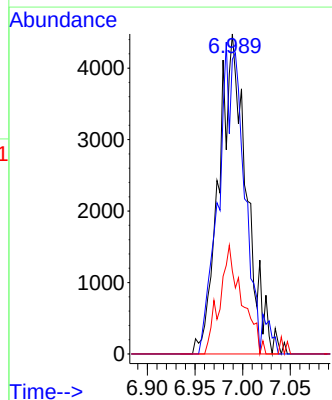
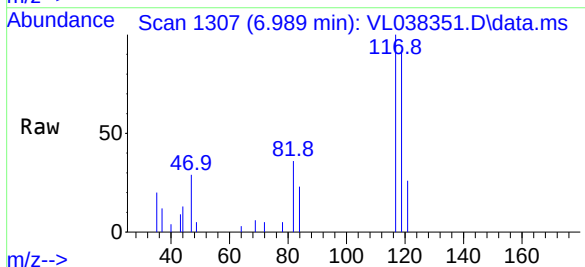
Manual Integrations
APPROVED

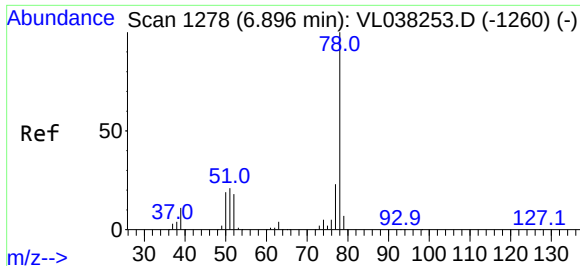
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#35
Carbon Tetrachloride
Concen: 0.062 ppbv m
RT: 6.989 min Scan# 1307
Delta R.T. -0.032 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

Tgt Ion:117 Resp: 9029
Ion Ratio Lower Upper
117 100
119 92.1 77.9 116.9
121 25.9 25.4 38.2





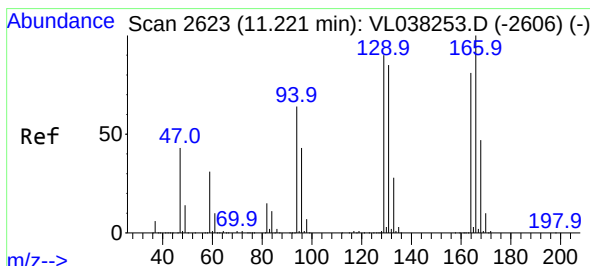
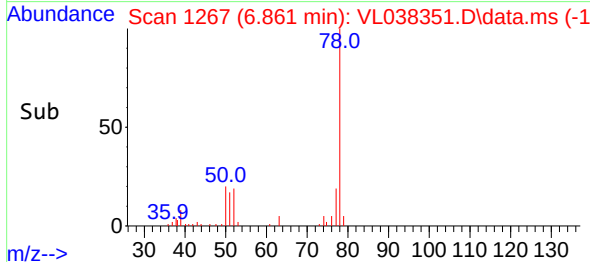
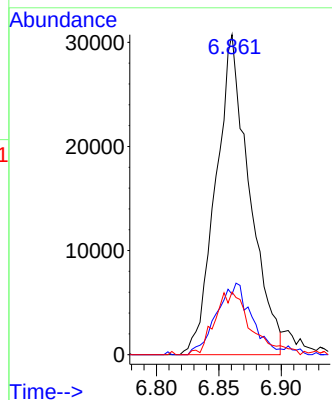
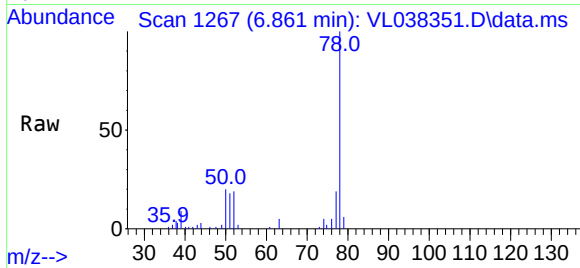
#36
Benzene
Concen: 0.313 ppbv
RT: 6.861 min Scan# 11
Delta R.T. -0.035 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 78 Resp: 57794
Ion Ratio Lower Upper
78 100
77 19.0 18.2 27.2
50 19.7 15.1 22.7

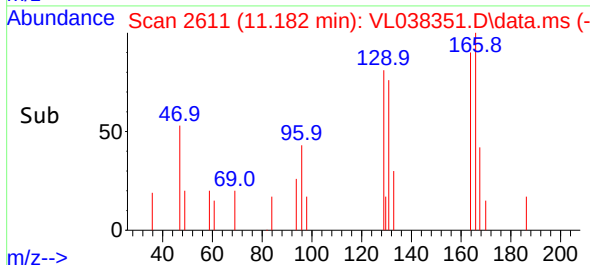
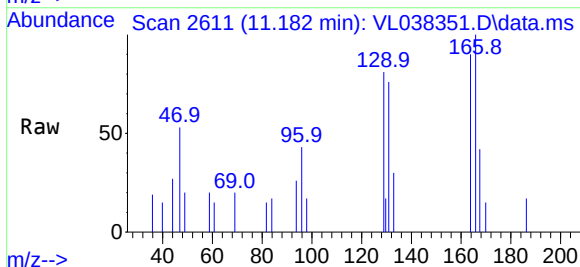
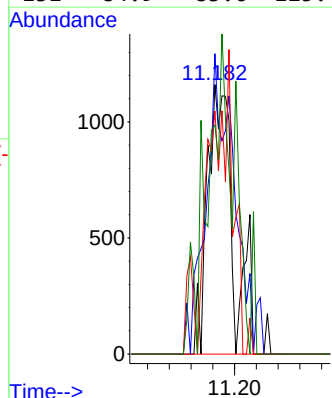
Manual Integrations
APPROVED

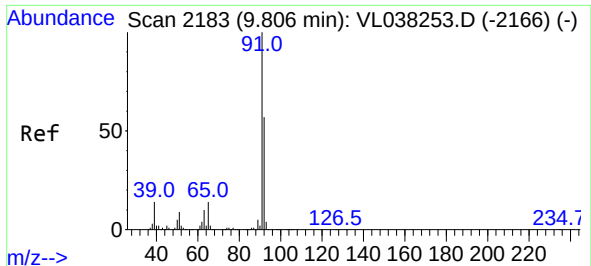
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#52
Tetrachloroethene
Concen: 0.030 ppbv m
RT: 11.182 min Scan# 2611
Delta R.T. -0.039 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

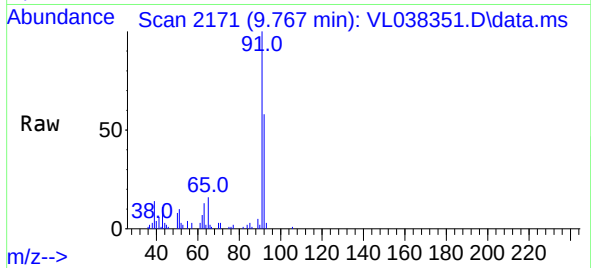
Tgt Ion:164 Resp: 1935
Ion Ratio Lower Upper
164 100
166 111.5 98.8 148.2
129 90.2 89.2 133.8
131 84.9 83.6 125.4





#53
Toluene
Concen: 0.260 ppbv m
RT: 9.767 min Scan# 2183
Delta R.T. -0.039 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

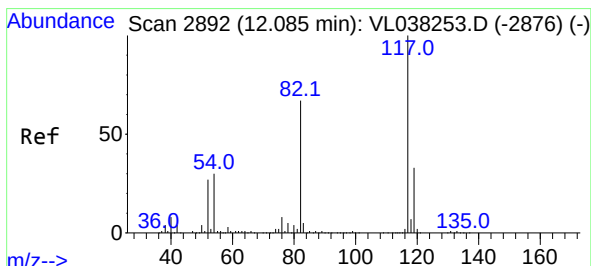
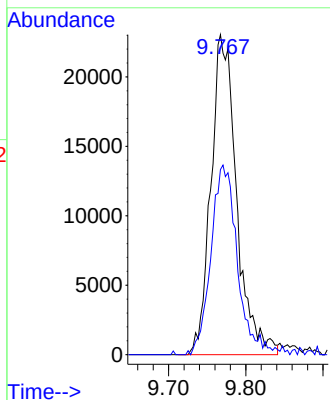
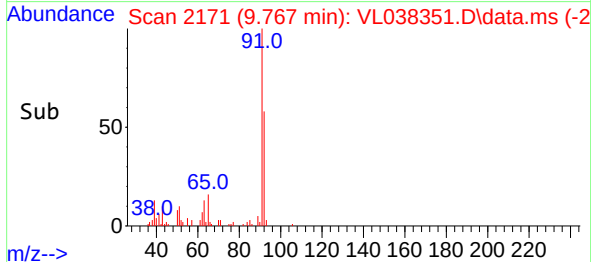
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 91 Resp: 5324
Ion Ratio Lower Upper
91 100
92 61.7 47.4 71.0

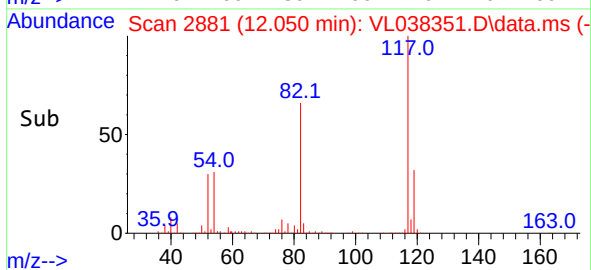
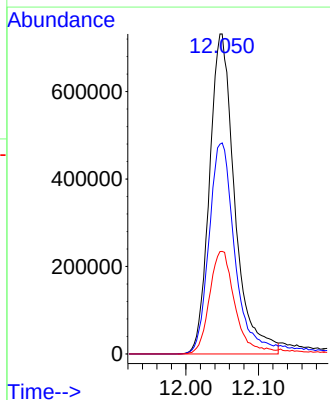
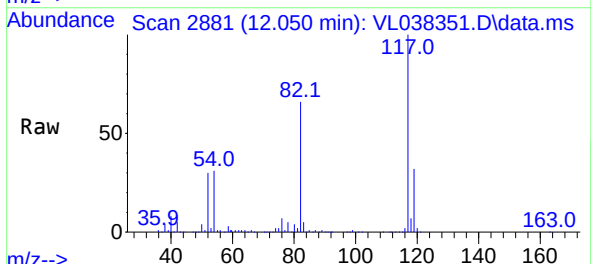
Manual Integrations
APPROVED

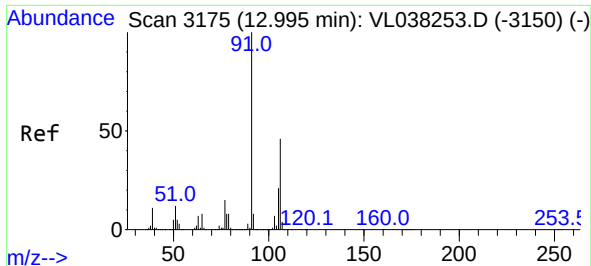
Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.050 min Scan# 2881
Delta R.T. -0.035 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

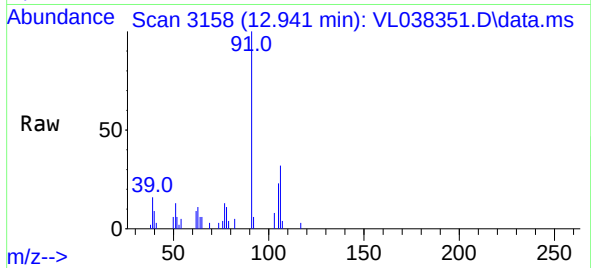
Tgt Ion:117 Resp: 1771249
Ion Ratio Lower Upper
117 100
82 72.5 54.4 81.6
119 34.4 45.9 68.9#





#59
m/p-Xylene
Concen: 0.121 ppbv m
RT: 12.941 min Scan# 3175
Delta R.T. -0.055 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05

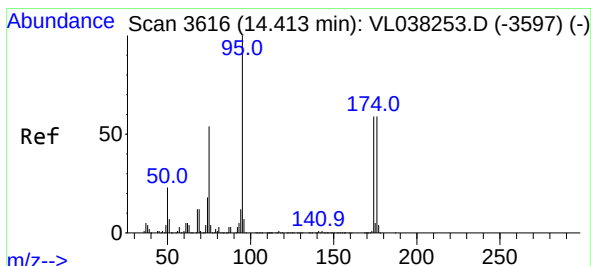
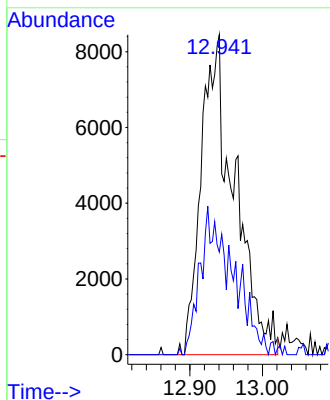
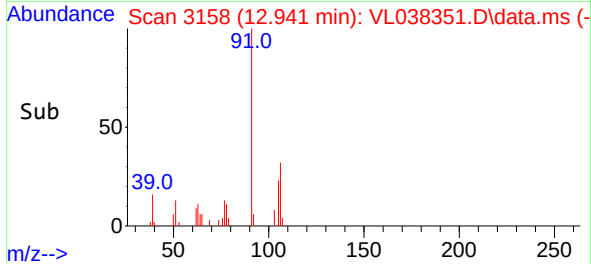
Instrument :
MSVOA_L
ClientSampleId :
OA1



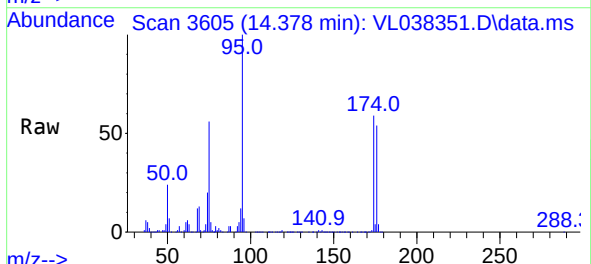
Tgt Ion: 91 Resp: 2697
Ion Ratio Lower Upper
91 100
106 0.0 34.8 52.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/15/2022
Supervised By :Mahesh Dadoda 02/18/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.980 ppbv
RT: 14.378 min Scan# 3605
Delta R.T. -0.035 min
Lab File: VL038351.D
Acq: 14 Feb 2022 22:05



Tgt Ion: 95 Resp: 1341692
Ion Ratio Lower Upper
95 100
174 63.8 48.3 72.5
175 4.4 3.5 5.3

