

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050922\
 Data File : VL038992.D
 Acq On : 9 May 2022 18:23
 Operator : SY/AP
 Sample : N2724-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2022
 Supervised By :Mahesh Dadoda 05/11/2022

Quant Time: May 10 05:45:45 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 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	5.652	49	1065085	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.157	114	2422167	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.057	117	2034640	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.388 95 1697145 10.533 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	114516	0.686	ppbv	99
3) Chlorodifluoromethane	2.983	51	83242m	0.630	ppbv	
4) Chloromethane	3.137	50	34450	0.521	ppbv	94
9) Propene	3.015	41	42524m	0.737	ppbv	
11) Trichlorofluoromethane	3.941	101	41292	0.288	ppbv	92
13) Ethanol	3.594	45	146856	35.955	ppbv	96
15) Acetone	3.842	43	366936	3.652	ppbv	94
19) Isopropyl Alcohol	3.960	45	85575	1.791	ppbv #	86
20) Methylene Chloride	4.337	84	165033	4.358	ppbv	98
26) Hexane	5.674	57	225717	2.113	ppbv #	40
34) 2-Butanone	5.237	43	36829m	0.298	ppbv	
35) Carbon Tetrachloride	6.993	117	12233m	0.077	ppbv	
36) Benzene	6.867	78	40921m	0.197	ppbv	
43) Methyl Methacrylate	7.999	69	12262	0.146	ppbv #	72
53) Toluene	9.777	91	55393m	0.238	ppbv	
59) m/p-Xylene	12.944	91	55357m	0.221	ppbv	

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

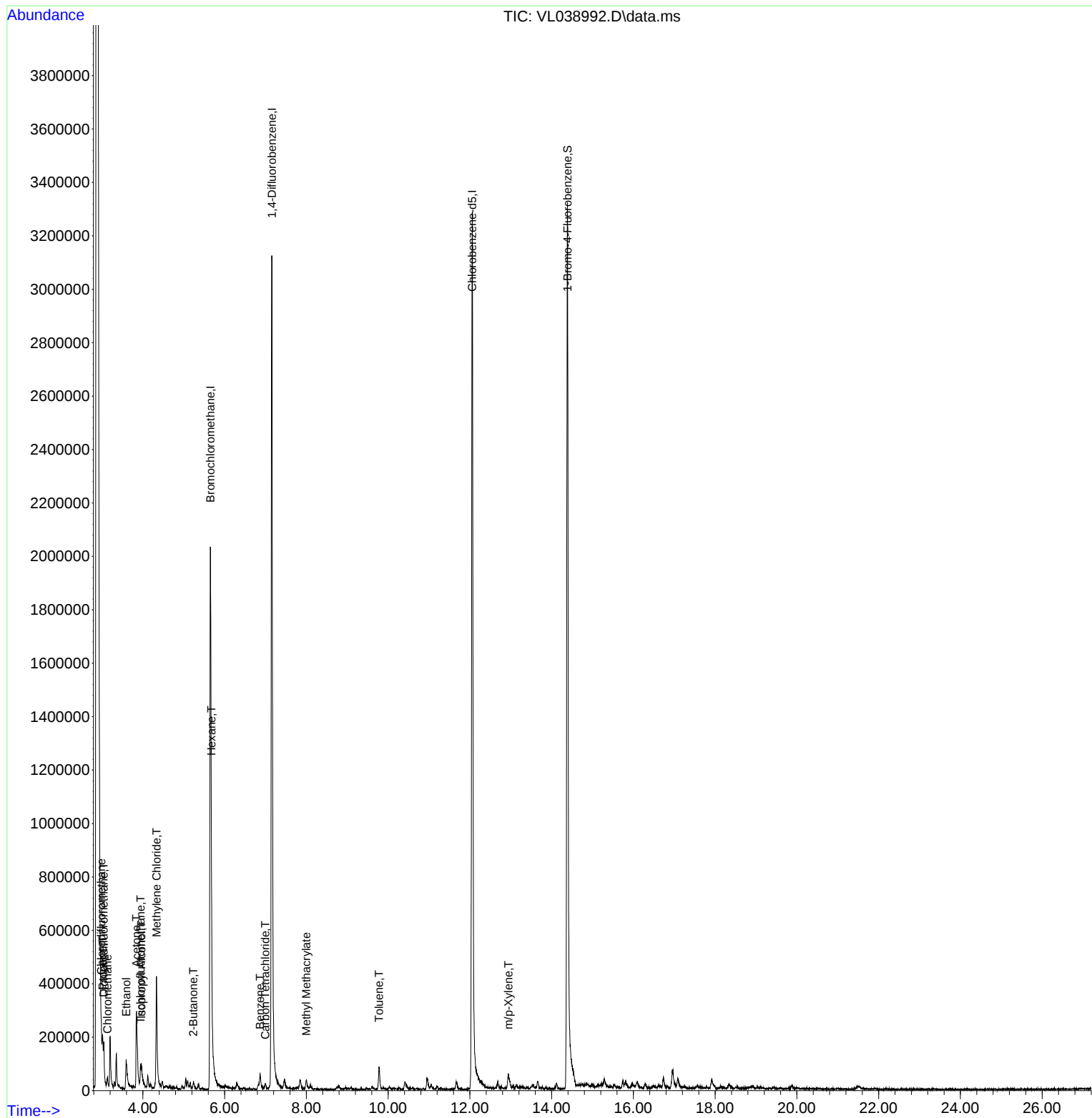
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050922\
Data File : VL038992.D
Acq On : 9 May 2022 18:23
Operator : SY/AP
Sample : N2724-03DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

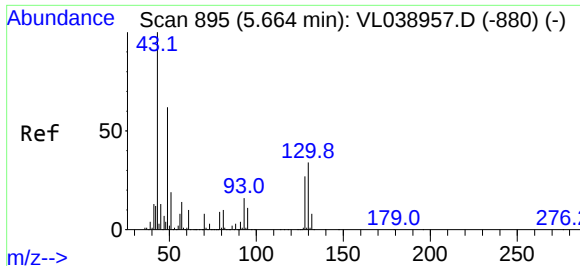
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Quant Time: May 10 05:45:45 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
APPROVED

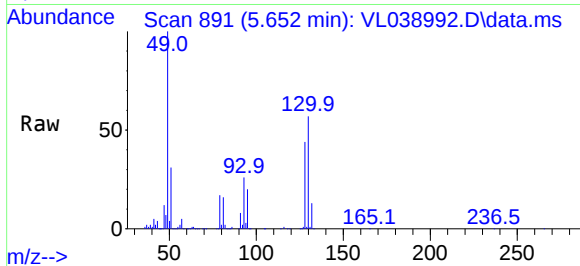
Reviewed By : Semsettin Yesilyurt 05/10/2022
Supervised By : Mahesh Dadoda 05/11/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.652 min Scan# 89
Delta R.T. -0.013 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

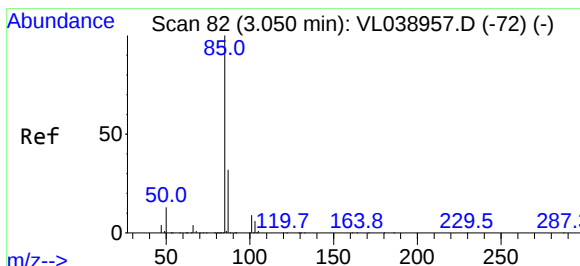
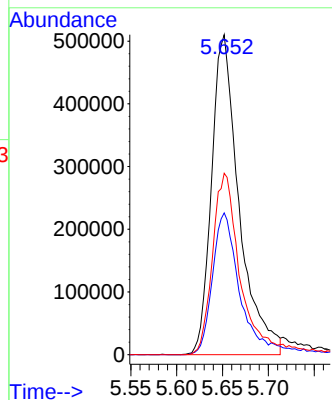
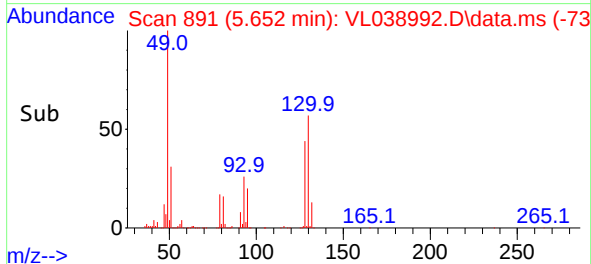
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 49 Resp: 106508
Ion Ratio Lower Upper
49 100
128 46.3 23.3 69.8
130 60.2 29.8 89.3

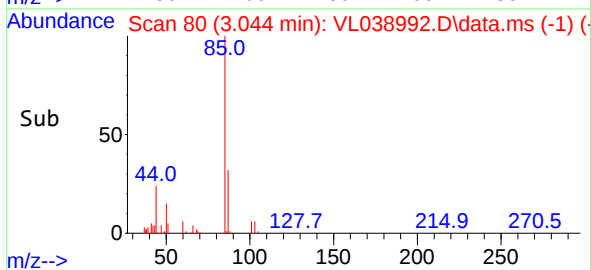
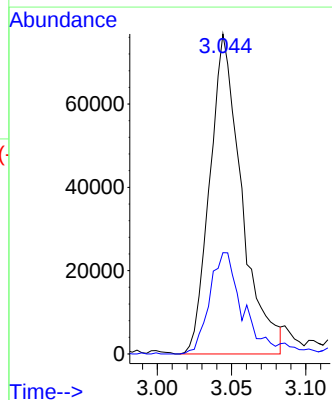
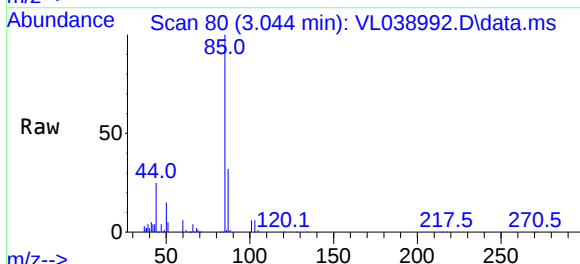
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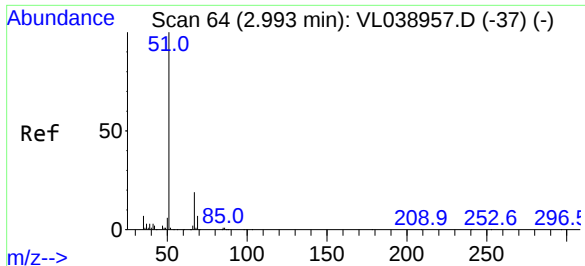
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#2
Dichlorodifluoromethane
Concen: 0.686 ppbv
RT: 3.044 min Scan# 80
Delta R.T. -0.006 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion: 85 Resp: 114516
Ion Ratio Lower Upper
85 100
87 31.6 25.7 38.5





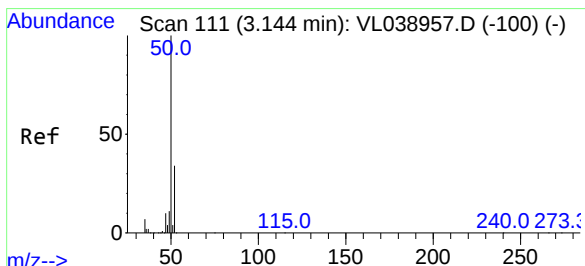
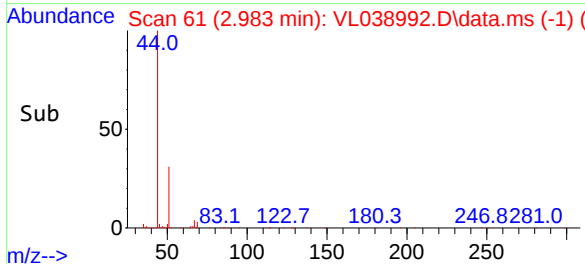
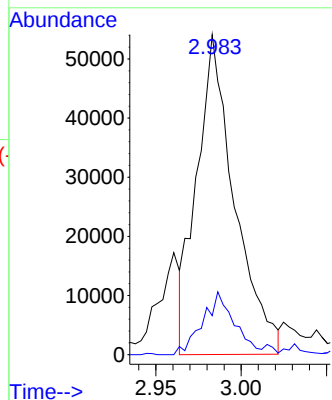
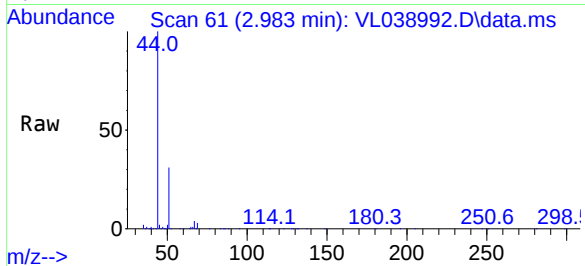
#3
Chlorodifluoromethane
Concen: 0.630 ppbv m
RT: 2.983 min Scan# 61
Delta R.T. -0.009 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 51 Resp: 8324
Ion Ratio Lower Upper
51 100
67 17.3 15.8 23.8

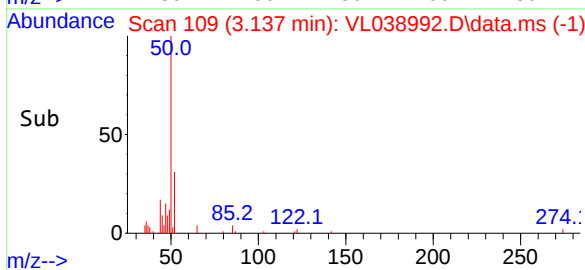
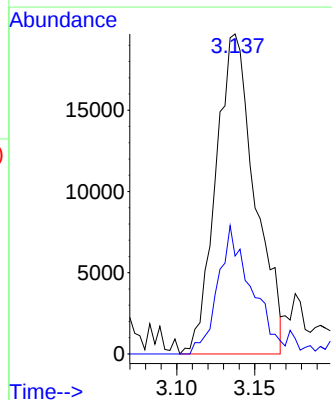
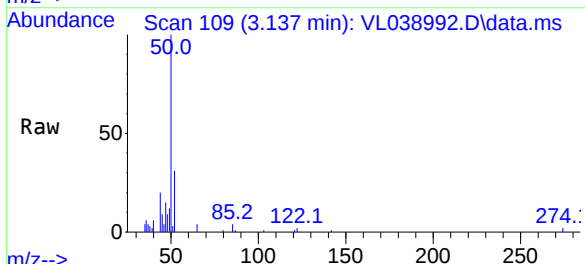
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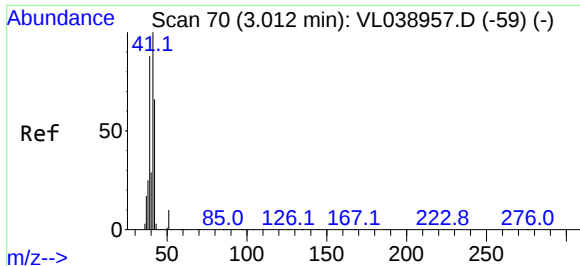
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#4
Chloromethane
Concen: 0.521 ppbv
RT: 3.137 min Scan# 109
Delta R.T. -0.006 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion: 50 Resp: 34450
Ion Ratio Lower Upper
50 100
52 30.6 27.3 40.9





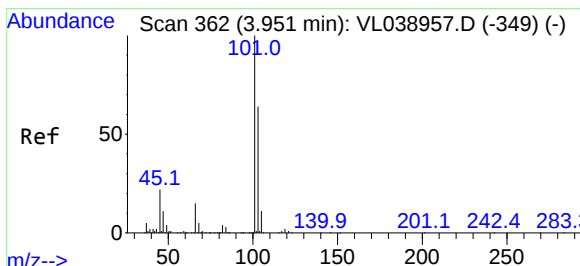
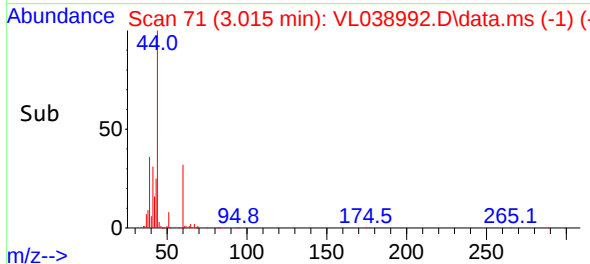
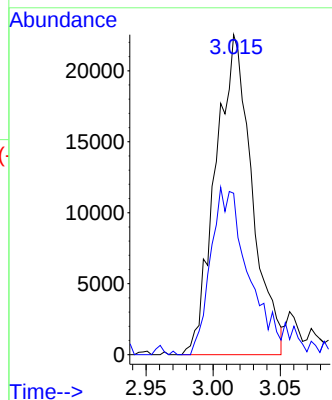
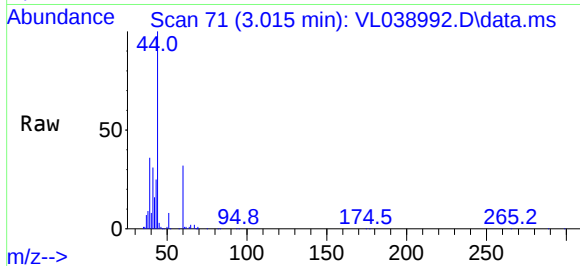
#9
 Propene
 Concen: 0.737 ppbv m
 RT: 3.015 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL038992.D
 Acq: 9 May 2022 18:23

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DUP

Tgt Ion: 41 Resp: 42524
 Ion Ratio Lower Upper
 41 100
 42 58.4 58.3 87.5

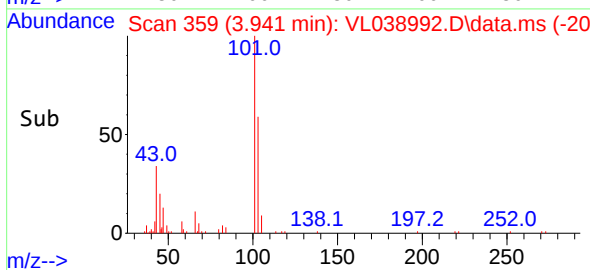
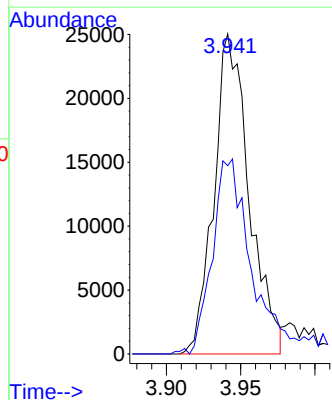
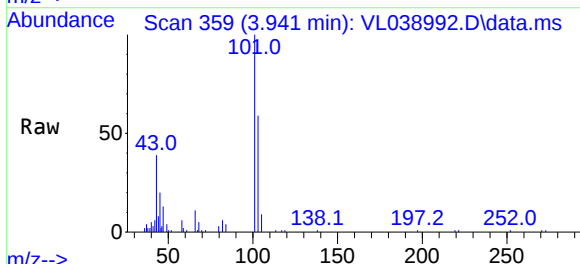
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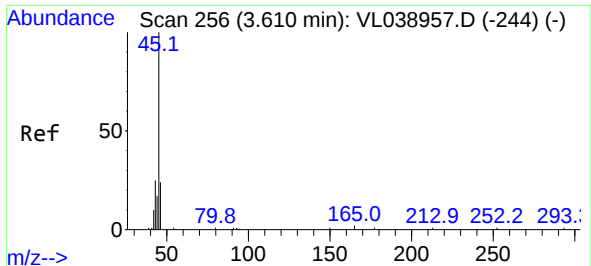
Reviewed By :Semsettin Yesilyurt 05/10/2022
 Supervised By :Mahesh Dadoda 05/11/2022



#11
 Trichlorofluoromethane
 Concen: 0.288 ppbv
 RT: 3.941 min Scan# 359
 Delta R.T. -0.009 min
 Lab File: VL038992.D
 Acq: 9 May 2022 18:23

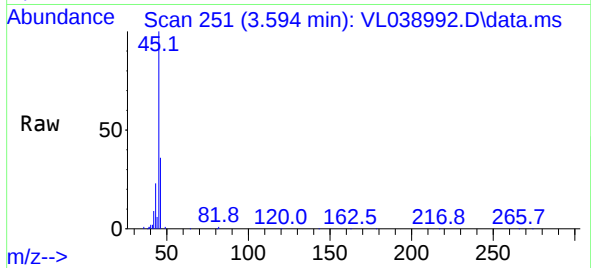
Tgt Ion:101 Resp: 41292
 Ion Ratio Lower Upper
 101 100
 103 58.1 51.5 77.3





#13
Ethanol
Concen: 35.955 ppbv
RT: 3.594 min Scan# 214
Delta R.T. -0.016 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

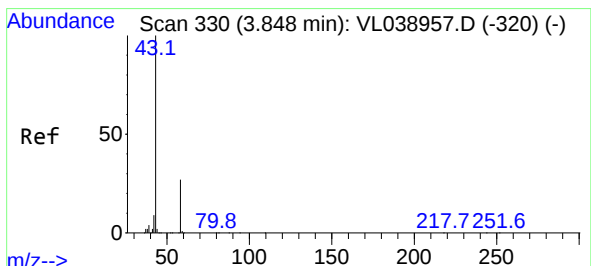
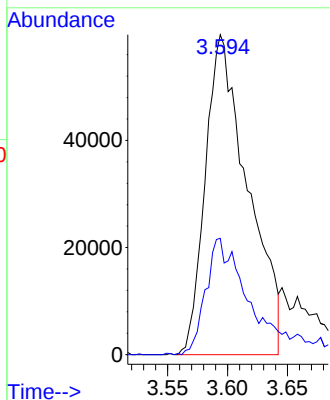
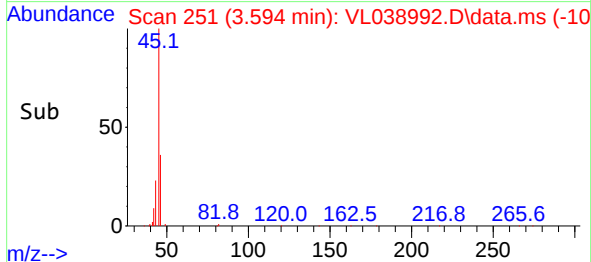
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



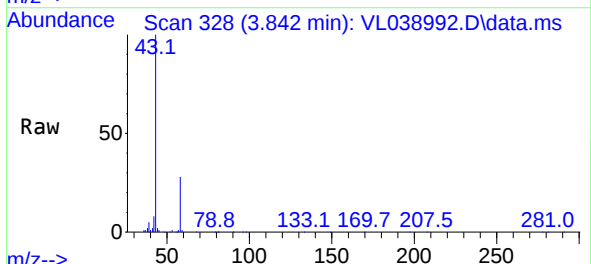
Tgt Ion: 45 Resp: 146850
Ion Ratio Lower Upper
45 100
46 42.6 18.0 72.2

Manual Integrations
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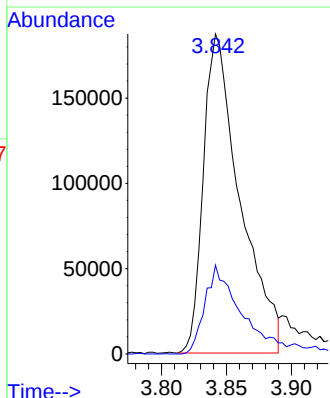
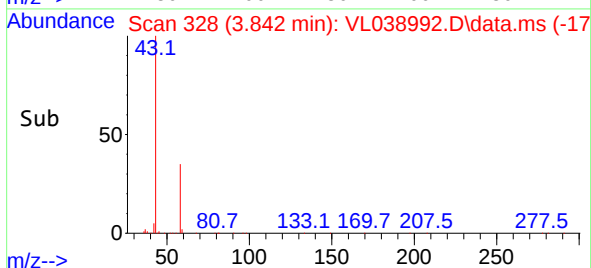
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

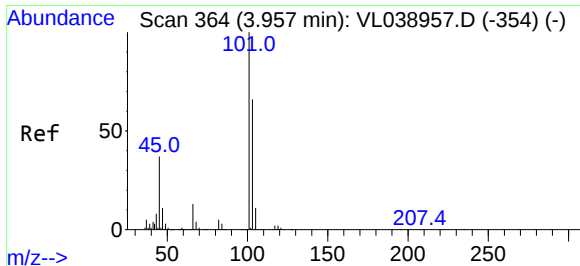


#15
Acetone
Concen: 3.652 ppbv
RT: 3.842 min Scan# 328
Delta R.T. -0.006 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23



Tgt Ion: 43 Resp: 366936
Ion Ratio Lower Upper
43 100
58 29.7 21.3 31.9





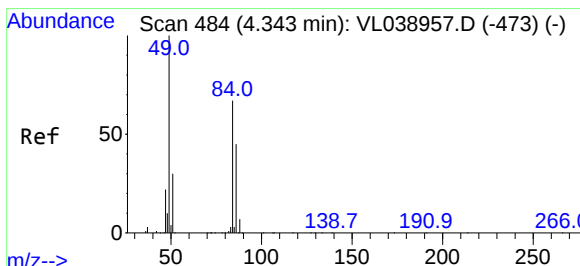
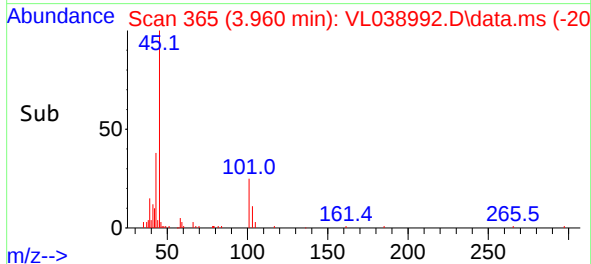
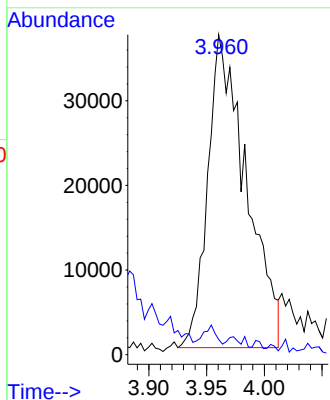
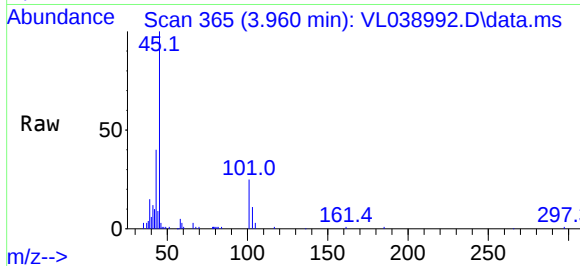
#19
Isopropyl Alcohol
Concen: 1.791 ppbv
RT: 3.960 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 45 Resp: 8557
Ion Ratio Lower Upper
45 100
58 6.8 1.4 2.2

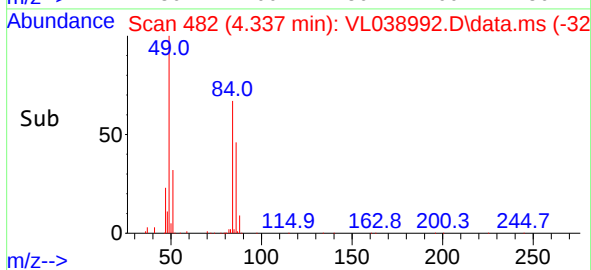
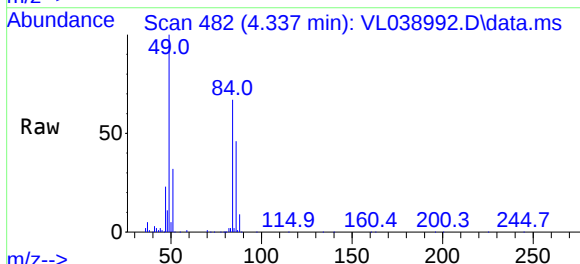
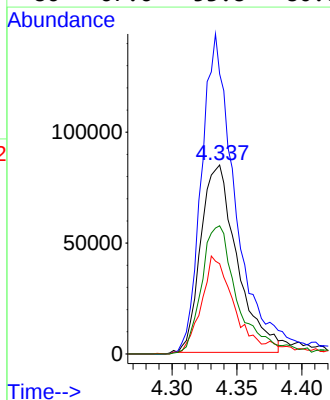
Manual Integrations
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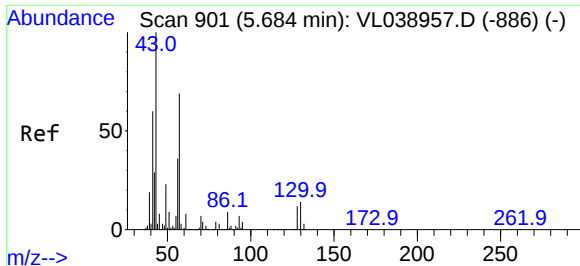
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#20
Methylene Chloride
Concen: 4.358 ppbv
RT: 4.337 min Scan# 482
Delta R.T. -0.006 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion: 84 Resp: 165033
Ion Ratio Lower Upper
84 100
49 147.9 119.9 179.9
51 47.2 35.7 53.5
86 67.6 53.8 80.6





#26
Hexane
Concen: 2.113 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.009 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

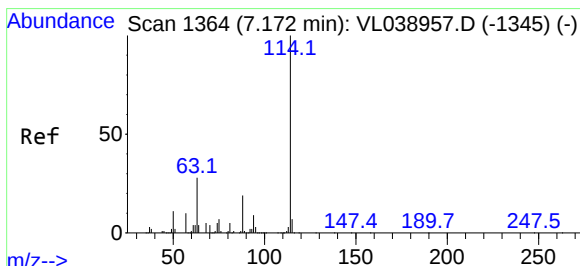
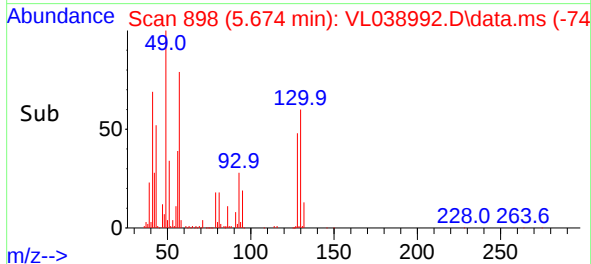
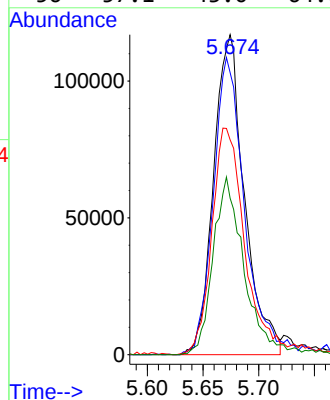
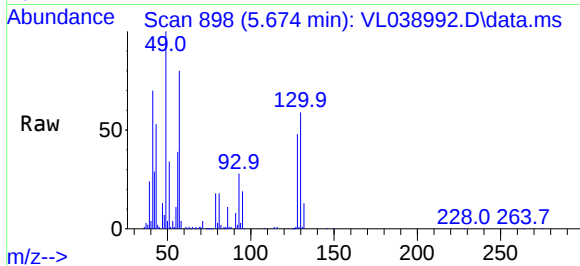
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 57 Resp: 22571

Ion	Ratio	Lower	Upper
57	100		
41	95.6	75.2	112.8
43	77.7	190.8	286.2
56	57.1	43.0	64.6

Manual Integrations
APPROVED

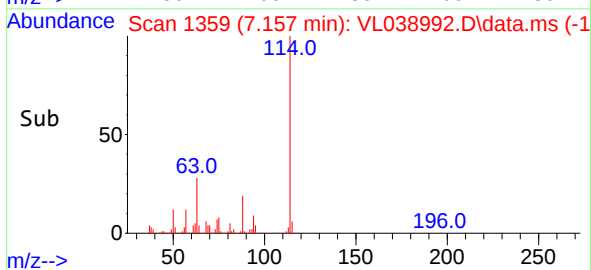
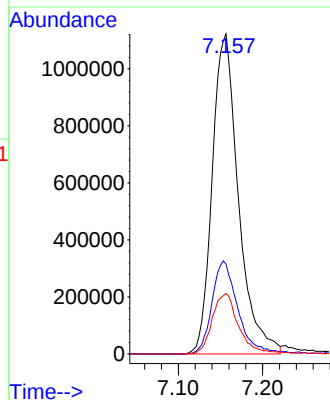
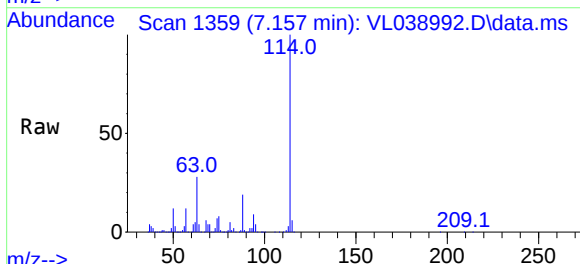
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

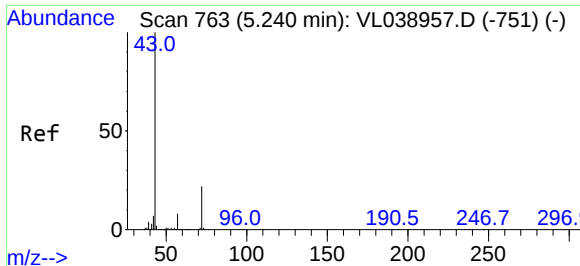


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.157 min Scan# 1359
Delta R.T. -0.016 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion:114 Resp: 2422167

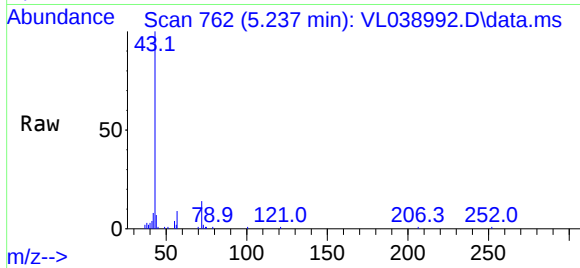
Ion	Ratio	Lower	Upper
114	100		
63	29.0	22.6	33.8
88	19.2	15.4	23.0





#34
2-Butanone
Concen: 0.298 ppbv m
RT: 5.237 min Scan# 70
Delta R.T. -0.003 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

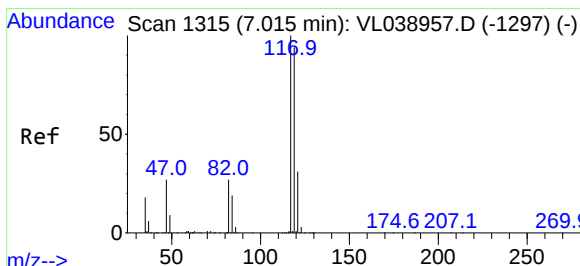
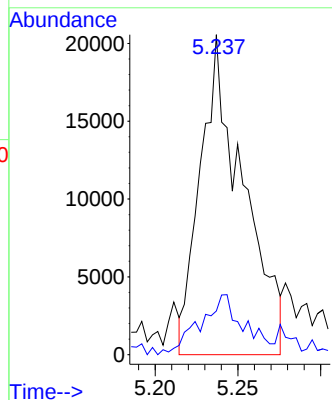
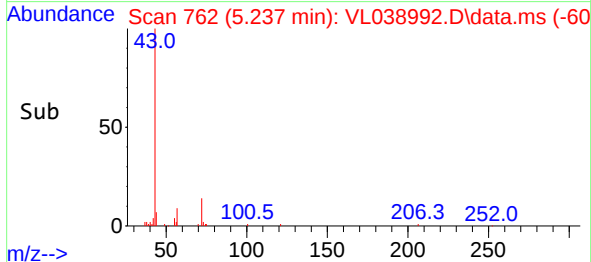
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



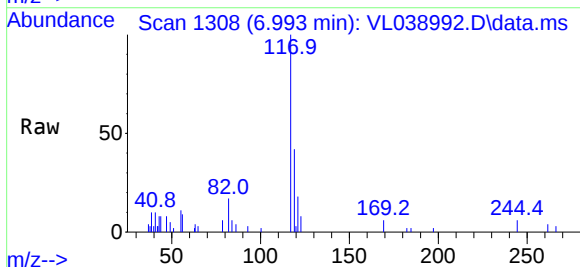
Tgt Ion: 43 Resp: 36829
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.6

Manual Integrations
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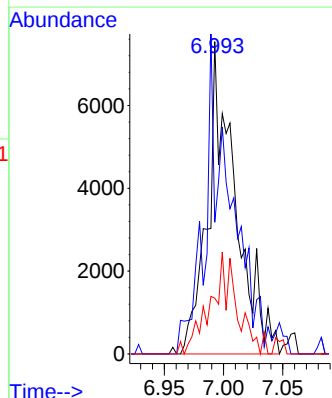
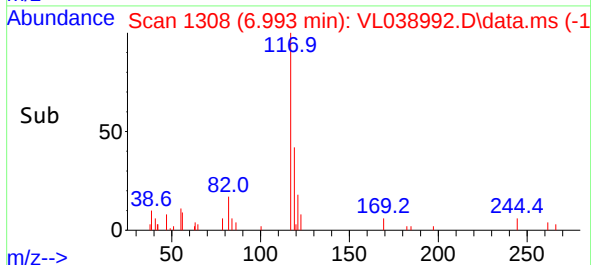
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

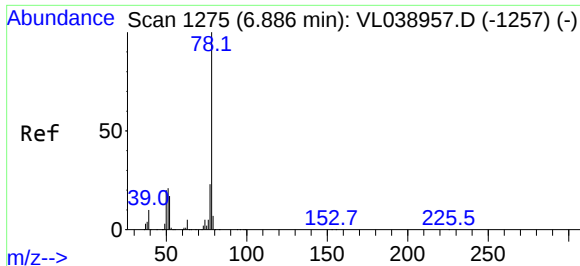


#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 6.993 min Scan# 1308
Delta R.T. -0.022 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23



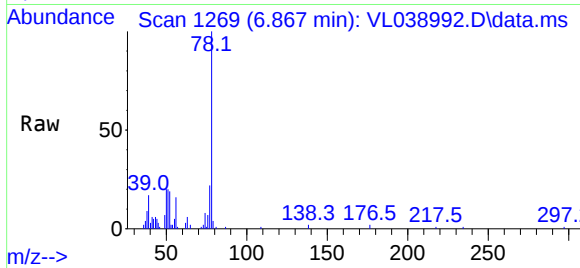
Tgt Ion:117 Resp: 12233
Ion Ratio Lower Upper
117 100
119 42.1 75.2 112.8#
121 17.9 24.6 37.0#





#36
Benzene
Concen: 0.197 ppbv m
RT: 6.867 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

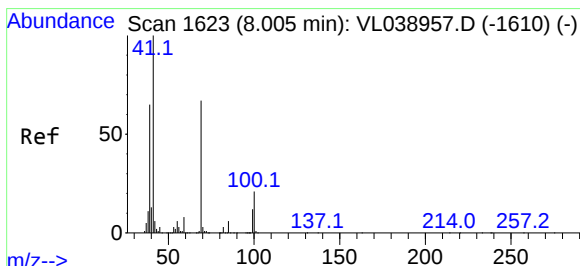
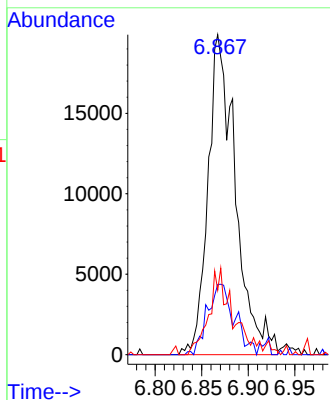
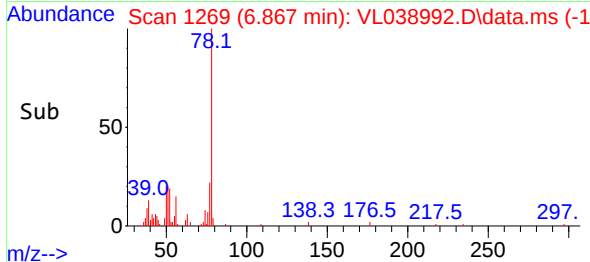
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 78 Resp: 4092
Ion Ratio Lower Upper
78 100
77 22.0 18.6 28.0
50 20.1 15.6 23.4

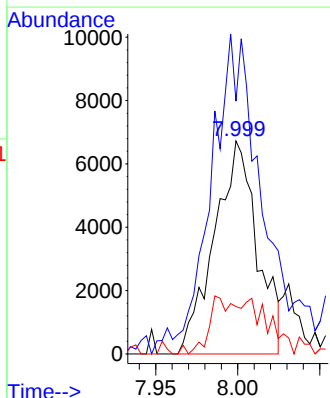
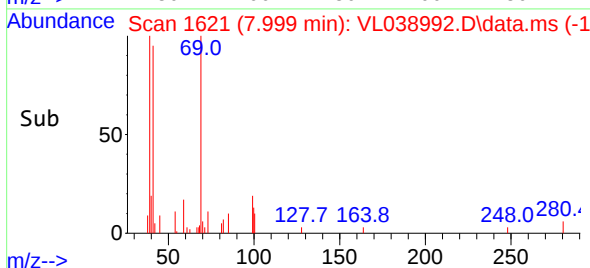
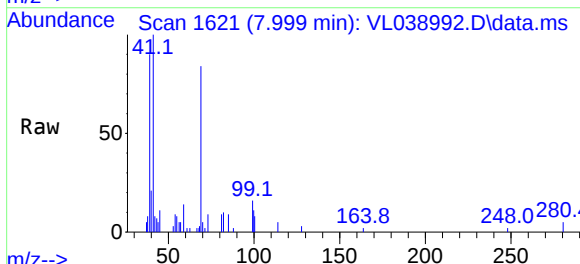
Manual Integrations
APPROVED

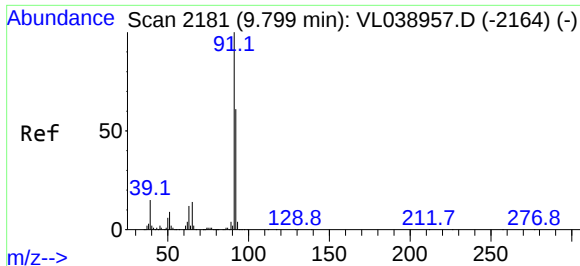
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#43
Methyl Methacrylate
Concen: 0.146 ppbv
RT: 7.999 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion: 69 Resp: 12262
Ion Ratio Lower Upper
69 100
41 193.3 121.9 182.9#
100 34.9 24.6 36.8





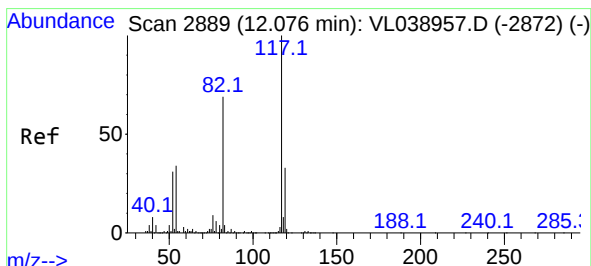
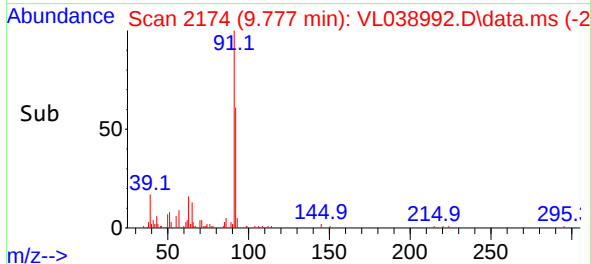
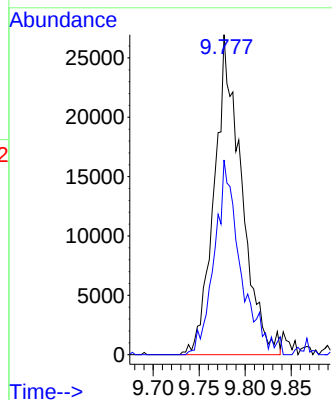
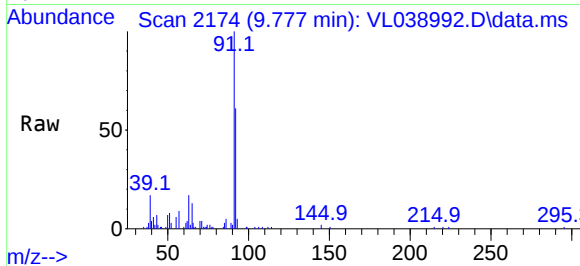
#53
Toluene
Concen: 0.238 ppbv m
RT: 9.777 min Scan# 2181
Delta R.T. -0.022 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 91 Resp: 5539
Ion Ratio Lower Upper
91 100
92 58.6 48.2 72.2

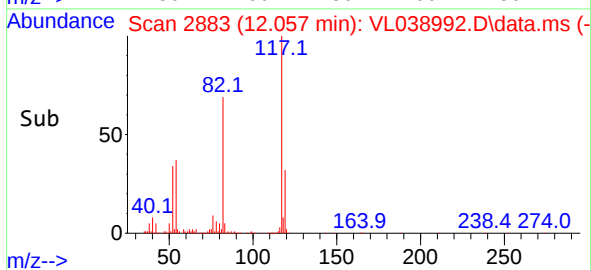
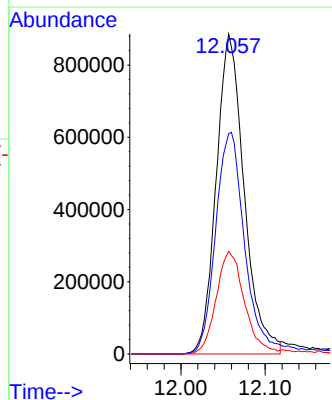
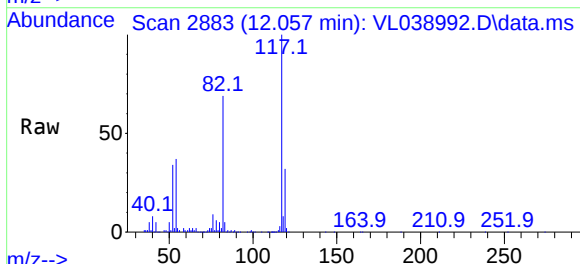
Manual Integrations
APPROVED

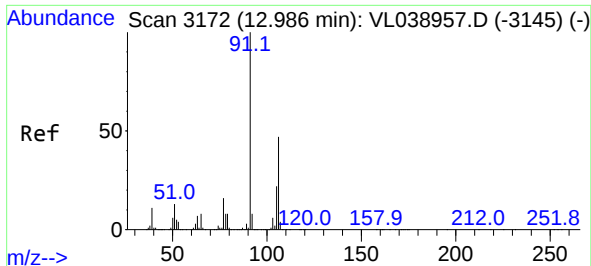
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.057 min Scan# 2883
Delta R.T. -0.019 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion:117 Resp: 2034640
Ion Ratio Lower Upper
117 100
82 74.9 57.0 85.6
119 34.0 27.2 40.8





#59

m/p-Xylene

Concen: 0.221 ppbv

RT: 12.944 min Scan# 3172

Delta R.T. -0.042 min

Lab File: VL038992.D

Acq: 9 May 2022 18:23

Instrument :

MSVOA_L

ClientSampleId :

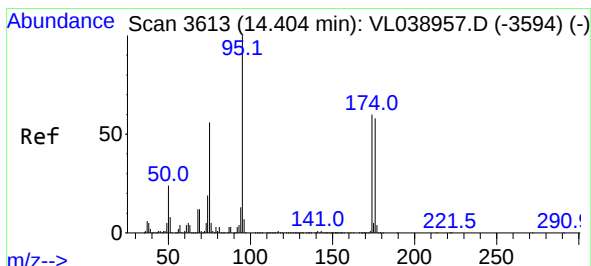
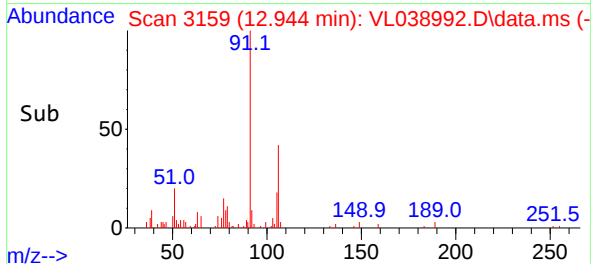
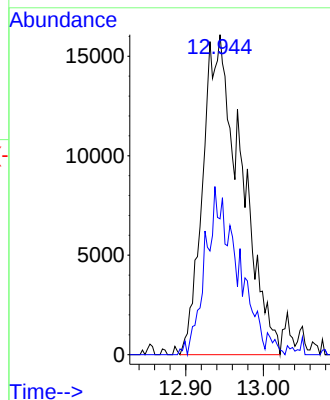
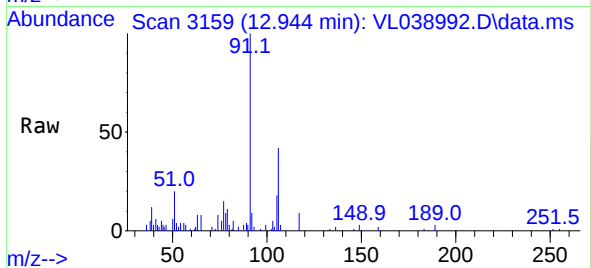
OA1DUP

Tgt Ion: 91 Resp: 5535
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2022
 Supervised By :Mahesh Dadoda 05/11/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.533 ppbv

RT: 14.388 min Scan# 3608

Delta R.T. -0.016 min

Lab File: VL038992.D

Acq: 9 May 2022 18:23

Tgt Ion: 95 Resp: 1697145
 Ion Ratio Lower Upper
 95 100
 174 61.9 50.8 76.2
 175 4.2 3.8 5.6

