

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122022\
 Data File : VL040056.D
 Acq On : 20 Dec 2022 14:39
 Operator : SY/MD
 Sample : N6085-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2022
 Supervised By :Mahesh Dadoda 12/21/2022

Quant Time: Dec 21 03:55:30 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	890448	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.626	114	2354637	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2044148	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1571882	10.067	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	39081	0.234	ppbv	99
3) Chlorodifluoromethane	2.652	51	35715m	0.272	ppbv	
4) Chloromethane	2.790	50	29532	0.359	ppbv	92
9) Propene	2.684	41	30688m	0.550	ppbv	
11) Trichlorofluoromethane	3.539	101	37441	0.207	ppbv	98
13) Ethanol	3.211	45	1469116	279.964	ppbv	98
15) Acetone	3.446	43	299342m	2.173	ppbv	
19) Isopropyl Alcohol	3.555	45	493231	7.266	ppbv #	96
20) Methylene Chloride	3.909	84	196890	3.363	ppbv	95
26) Hexane	5.185	57	197890	1.974	ppbv #	37
34) 2-Butanone	4.764	43	30495m	0.239	ppbv	
35) Carbon Tetrachloride	6.468	117	10935m	0.075	ppbv	
36) Benzene	6.343	78	38151	0.181	ppbv #	94
53) Toluene	9.192	91	65295	0.280	ppbv	97

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

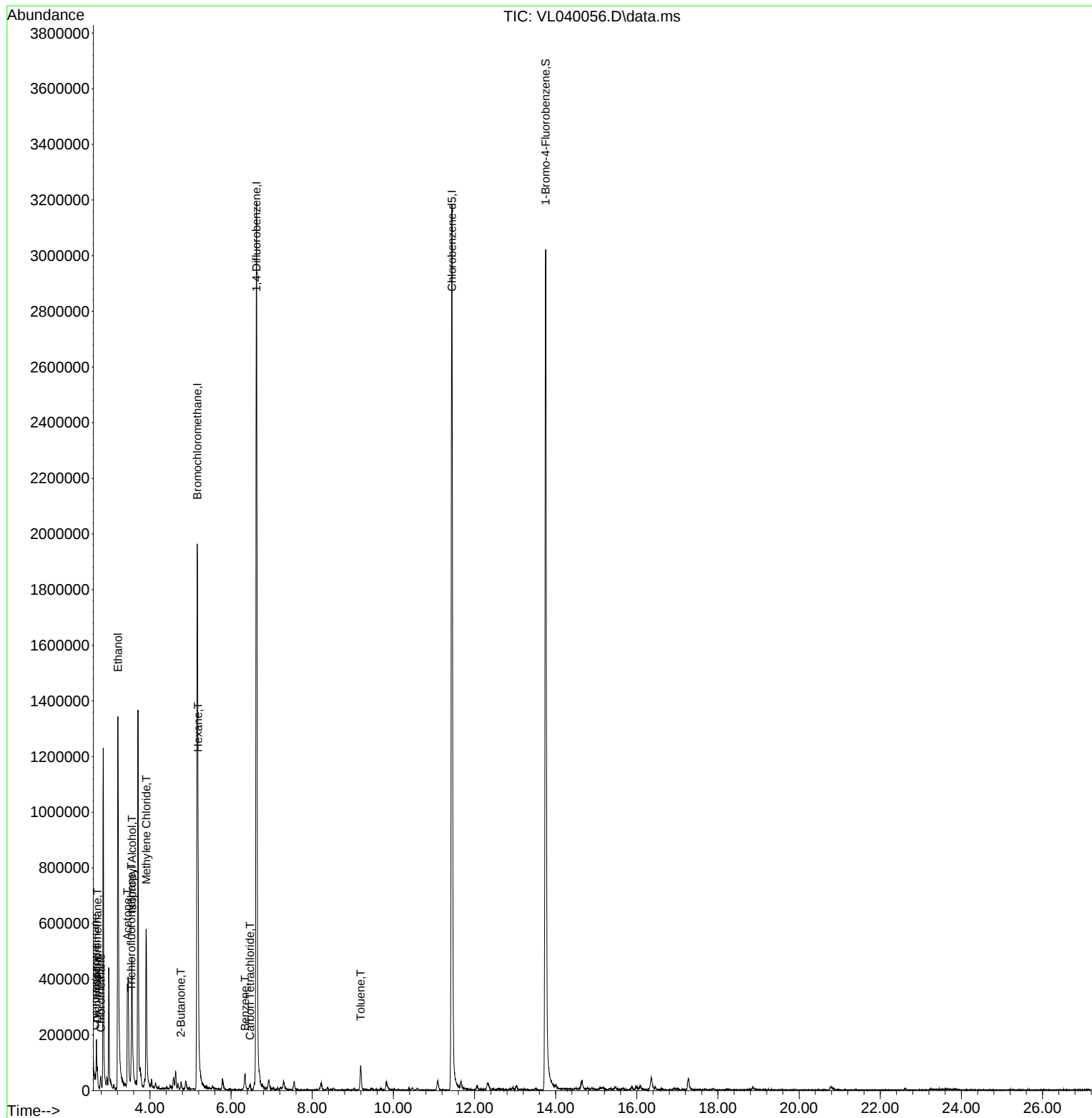
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122022\
Data File : VL040056.D
Acq On : 20 Dec 2022 14:39
Operator : SY/MD
Sample : N6085-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

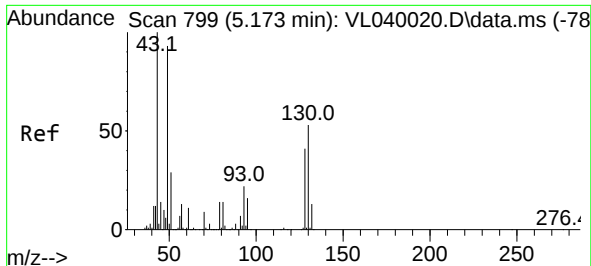
Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Dec 21 03:55:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

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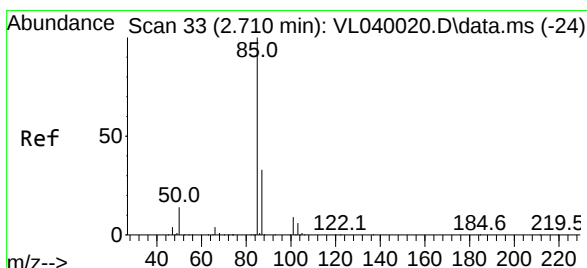
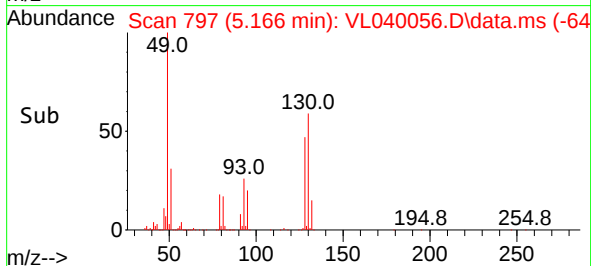
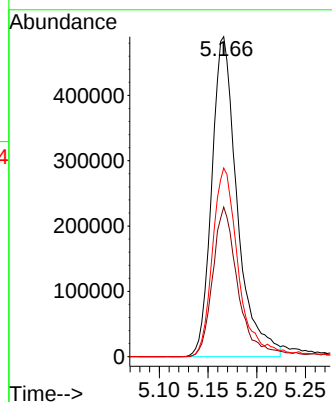
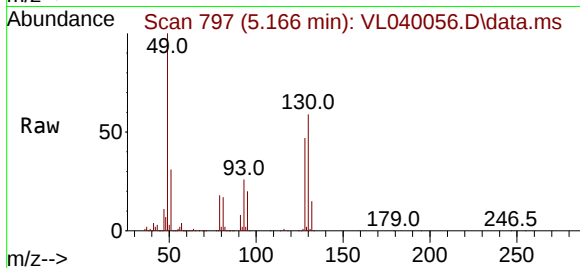
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 799
Delta R.T. -0.007 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 49 Resp: 890448
Ion Ratio Lower Upper
49 100
128 47.9 22.4 67.3
130 62.4 28.9 86.8

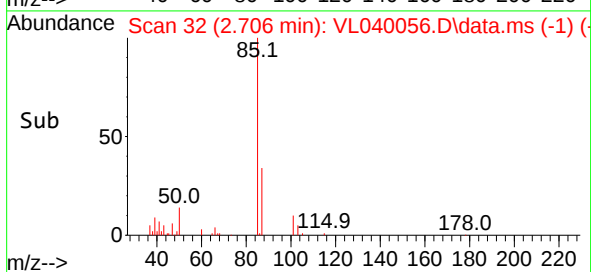
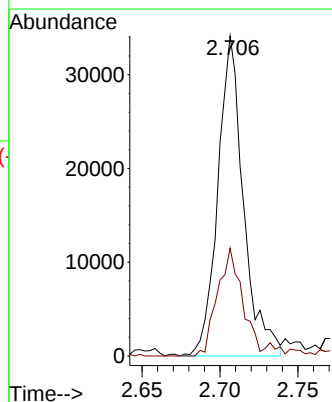
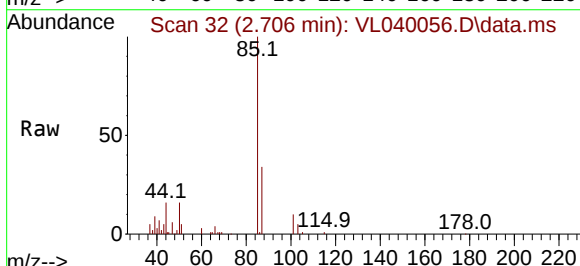
Manual Integrations
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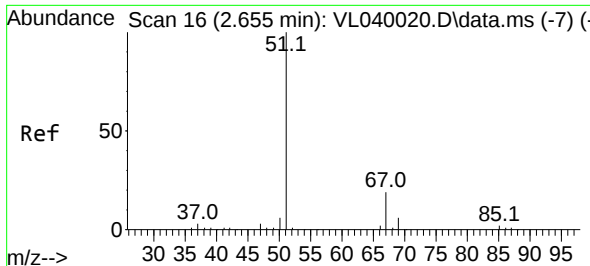
Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022



#2
Dichlorodifluoromethane
Concen: 0.234 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.003 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39

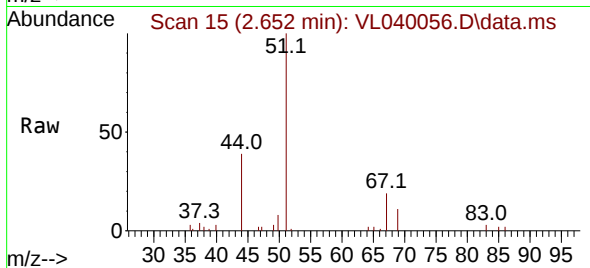
Tgt Ion: 85 Resp: 39081
Ion Ratio Lower Upper
85 100
87 33.7 26.6 40.0





#3
Chlorodifluoromethane
Concen: 0.272 ppbv m
RT: 2.652 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39

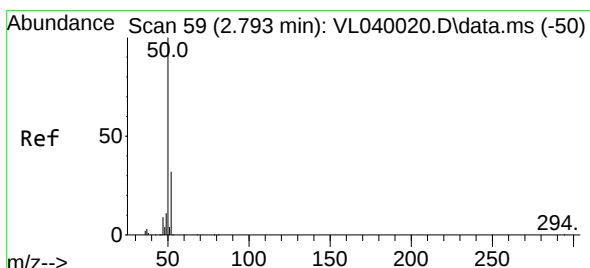
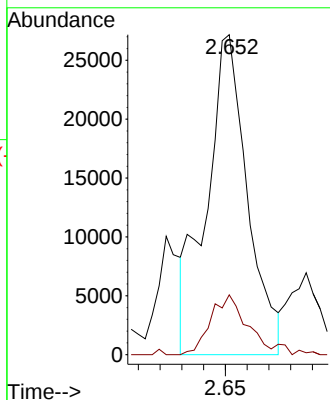
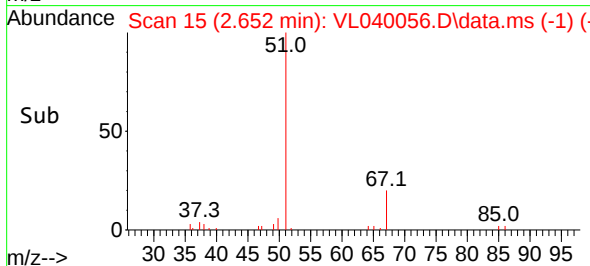
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 51 Resp: 3571
Ion Ratio Lower Upper
51 100
67 17.6 15.3 22.9

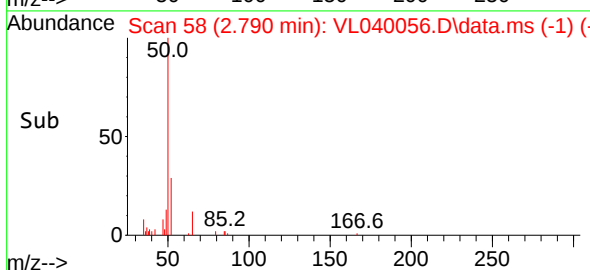
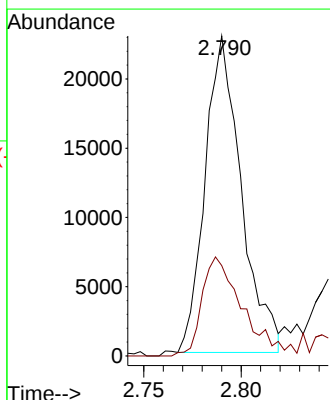
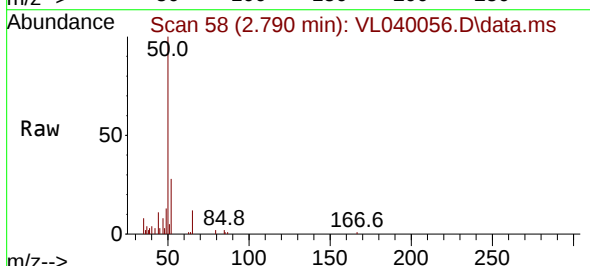
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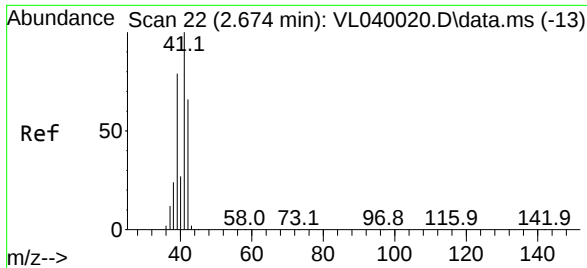
Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022



#4
Chloromethane
Concen: 0.359 ppbv
RT: 2.790 min Scan# 58
Delta R.T. -0.003 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39

Tgt Ion: 50 Resp: 29532
Ion Ratio Lower Upper
50 100
52 27.5 25.5 38.3





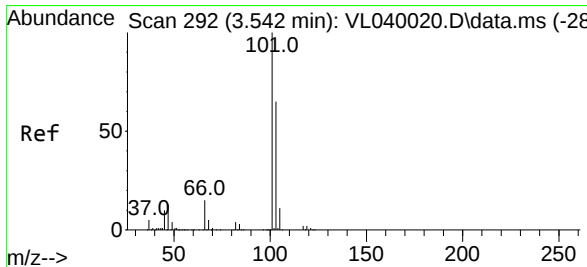
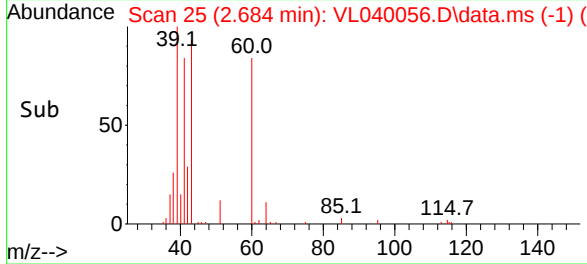
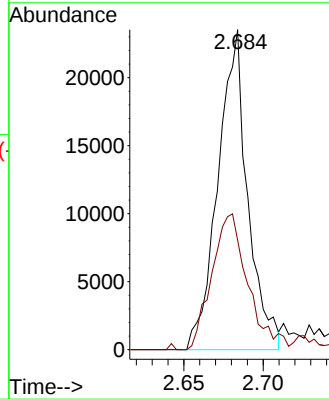
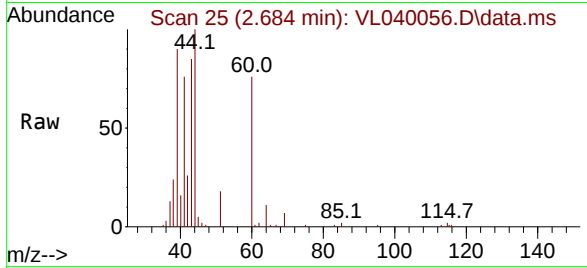
#9
Propene
Concen: 0.550 ppbv m
RT: 2.684 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 41 Resp: 3068
Ion Ratio Lower Upper
41 100
42 687.2 54.8 82.2

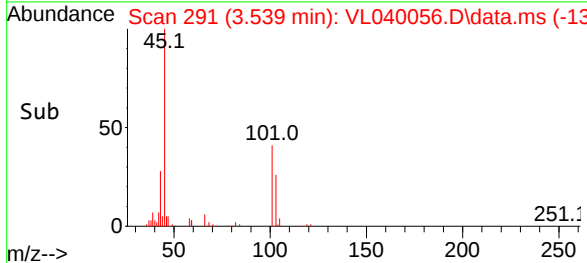
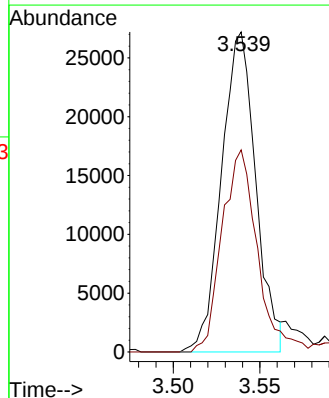
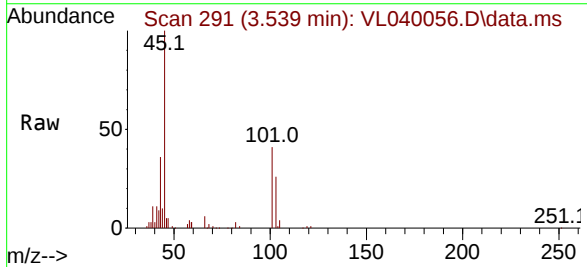
Manual Integrations
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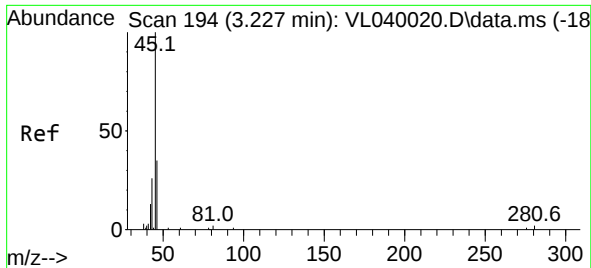
Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022



#11
Trichlorofluoromethane
Concen: 0.207 ppbv
RT: 3.539 min Scan# 291
Delta R.T. -0.003 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39

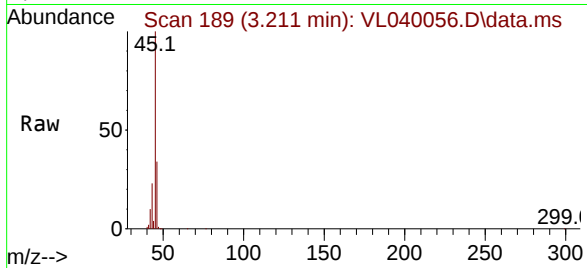
Tgt Ion:101 Resp: 37441
Ion Ratio Lower Upper
101 100
103 63.1 51.7 77.5





#13
Ethanol
Concen: 279.964 ppbv
RT: 3.211 min Scan# 189
Delta R.T. -0.016 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39

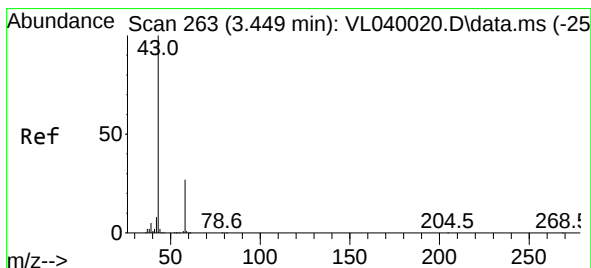
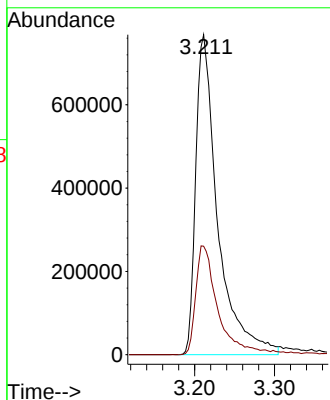
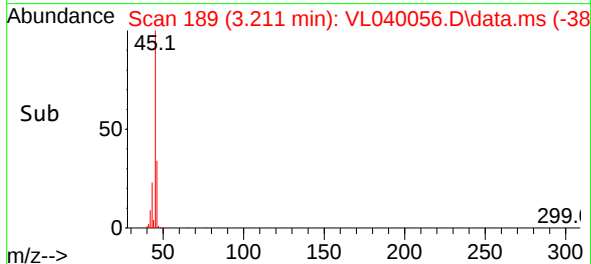
Instrument :
MSVOA_L
ClientSampleId :
IA-1



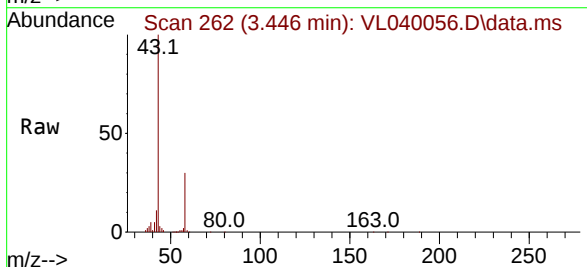
Tgt Ion: 45 Resp: 1469110
Ion Ratio Lower Upper
45 100
46 35.5 13.7 54.7

Manual Integrations
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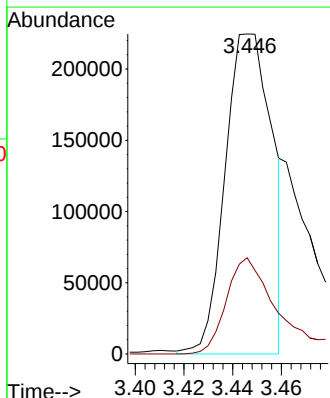
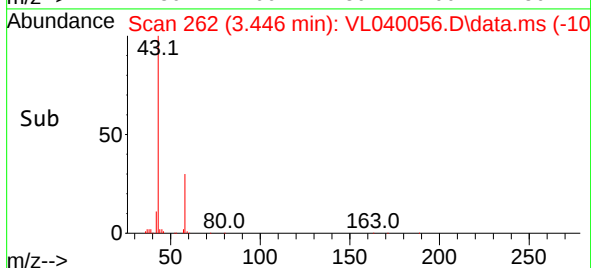
Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022

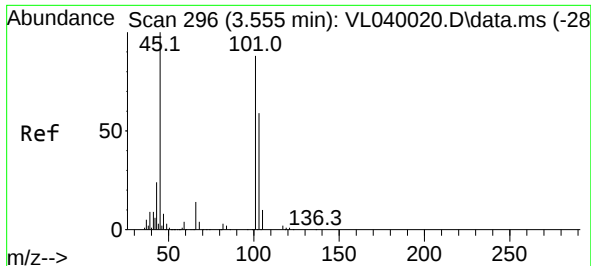


#15
Acetone
Concen: 2.173 ppbv m
RT: 3.446 min Scan# 262
Delta R.T. -0.003 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39



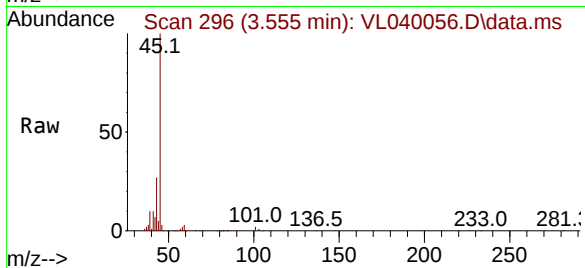
Tgt Ion: 43 Resp: 299342
Ion Ratio Lower Upper
43 100
58 35.4 21.8 32.8#





#19
Isopropyl Alcohol
Concen: 7.266 ppbv
RT: 3.555 min Scan# 296
Delta R.T. 0.000 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39

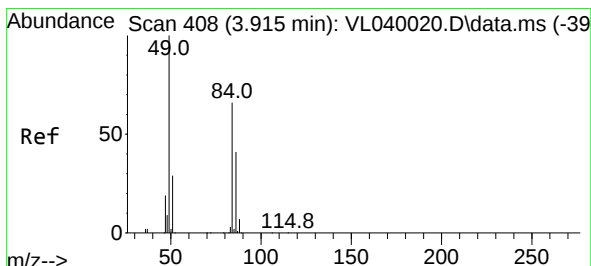
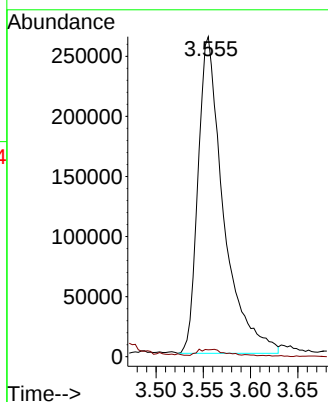
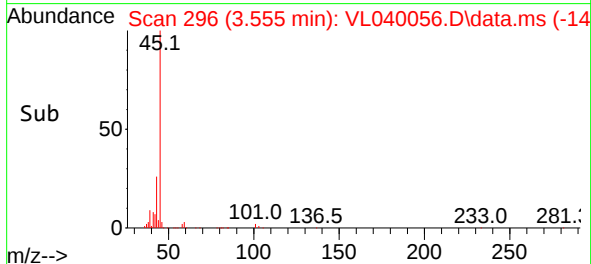
Instrument :
MSVOA_L
ClientSampleId :
IA-1



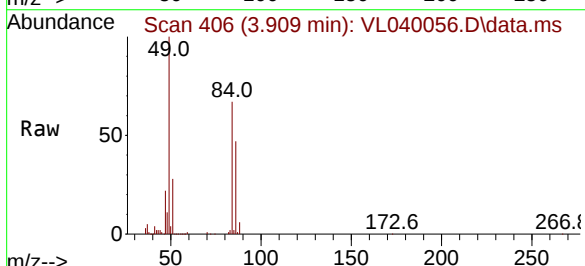
Tgt Ion: 45 Resp: 49323
Ion Ratio Lower Upper
45 100
58 3.4 1.7 2.5

Manual Integrations
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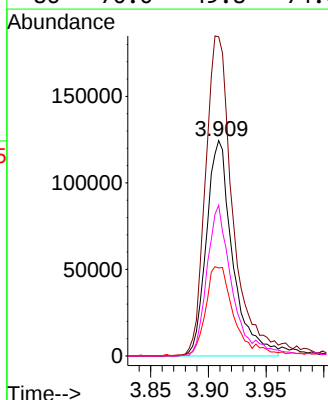
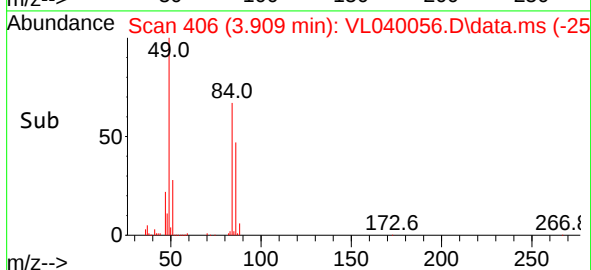
Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022

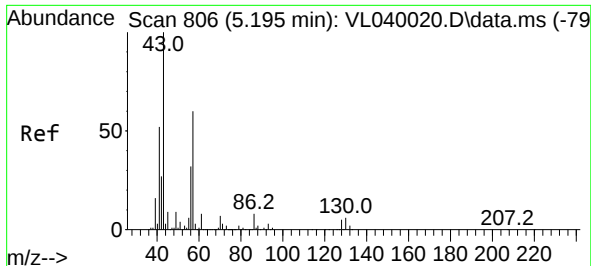


#20
Methylene Chloride
Concen: 3.363 ppbv
RT: 3.909 min Scan# 406
Delta R.T. -0.006 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39



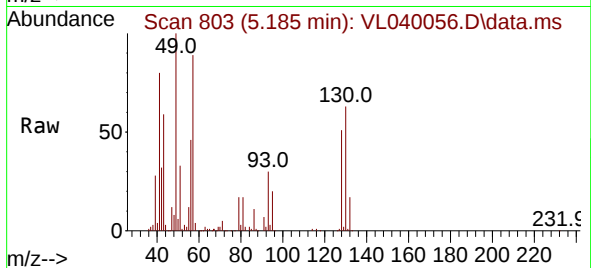
Tgt Ion: 84 Resp: 196890
Ion Ratio Lower Upper
84 100
49 147.8 120.5 180.7
51 40.5 35.2 52.8
86 70.0 49.8 74.6





#26
Hexane
Concen: 1.974 ppbv
RT: 5.185 min Scan# 806
Delta R.T. -0.010 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39

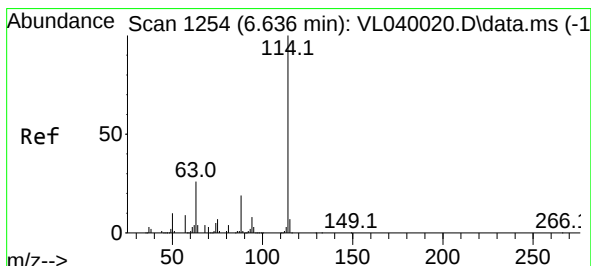
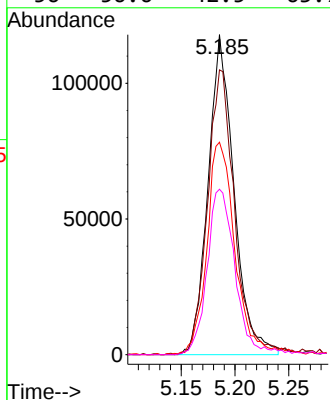
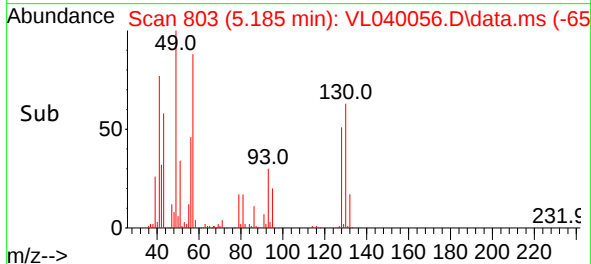
Instrument :
MSVOA_L
Client Sample Id :
1A-1



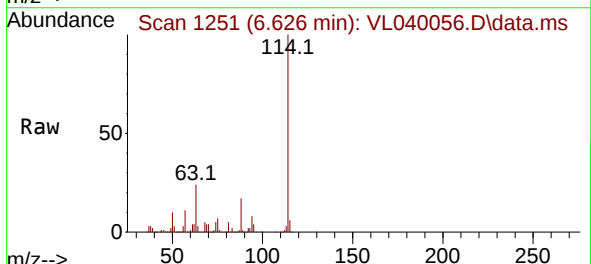
Tgt Ion: 57 Resp: 197890
Ion Ratio Lower Upper
57 100
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43 72.9 192.1 288.1
56 56.6 42.5 63.7

Manual Integrations
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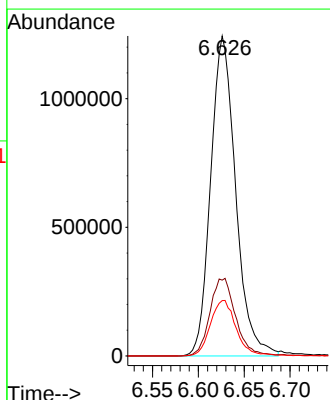
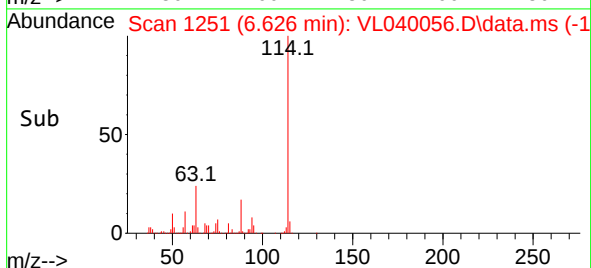
Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022

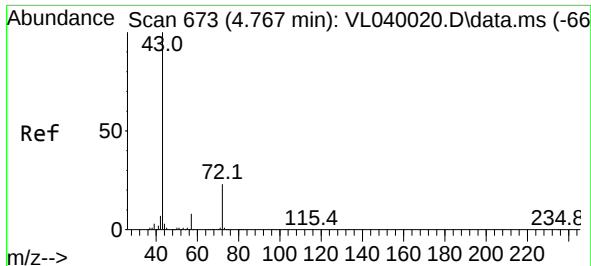


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.626 min Scan# 1251
Delta R.T. -0.010 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39



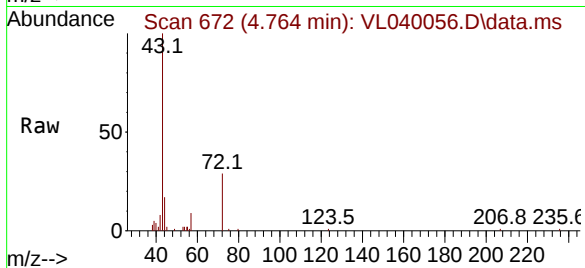
Tgt Ion:114 Resp: 2354637
Ion Ratio Lower Upper
114 100
63 25.4 20.2 30.2
88 18.0 14.6 21.8





#34
2-Butanone
Concen: 0.239 ppbv m
RT: 4.764 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39

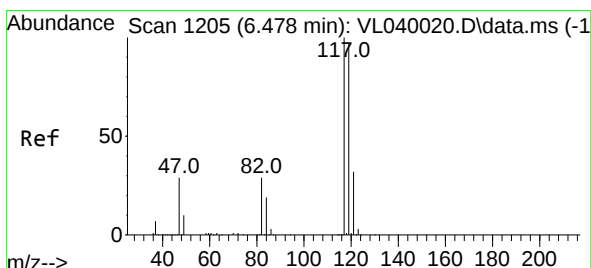
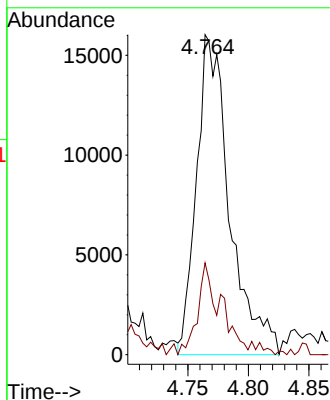
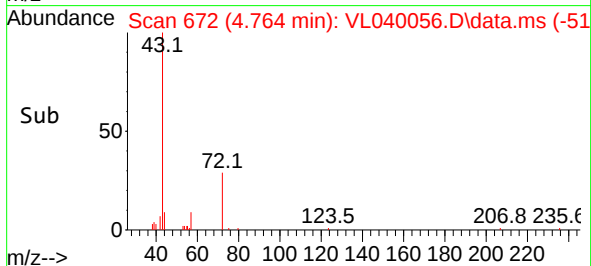
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 43 Resp: 3049
Ion Ratio Lower Upper
43 100
72 22.2 18.0 27.0

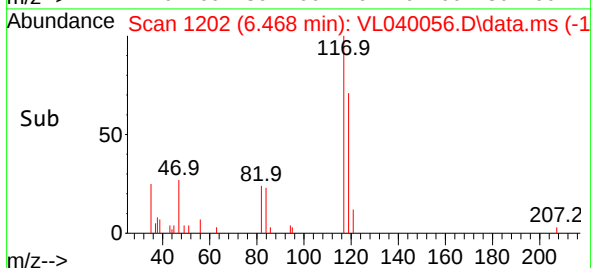
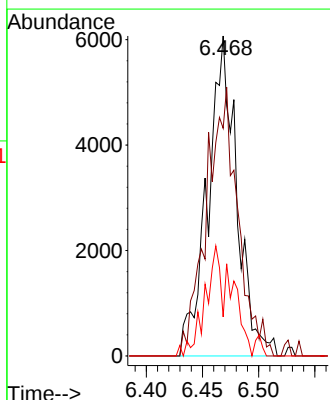
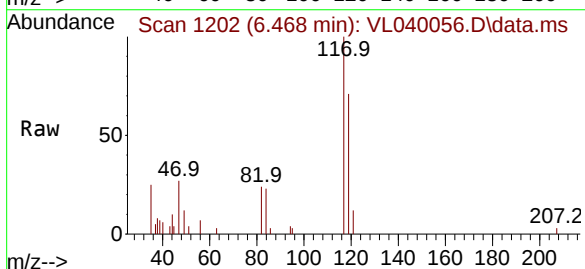
Manual Integrations
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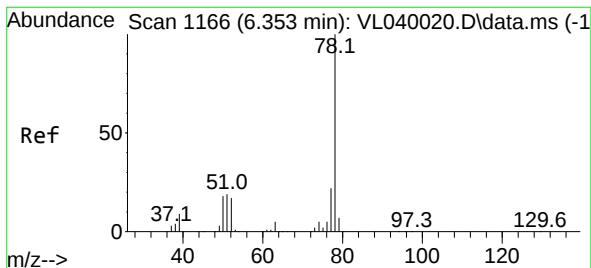
Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022



#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 6.468 min Scan# 1202
Delta R.T. -0.010 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39

Tgt Ion:117 Resp: 10935
Ion Ratio Lower Upper
117 100
119 71.2 77.3 115.9#
121 12.2 25.4 38.0#





#36

Benzene

Concen: 0.181 ppbv

RT: 6.343 min Scan# 1166

Delta R.T. -0.010 min

Lab File: VL040056.D

Acq: 20 Dec 2022 14:39

Instrument :

MSVOA_L

ClientSampleId :

IA-1

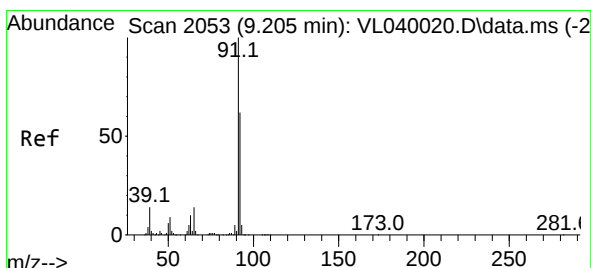
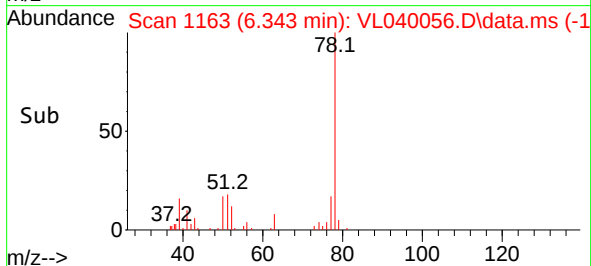
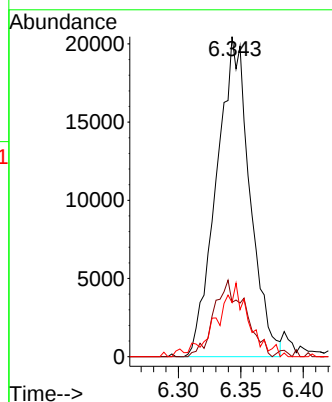
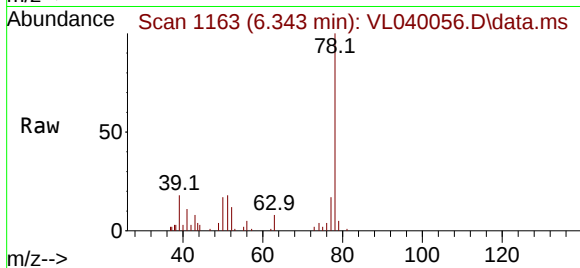
Tgt Ion: 78 Resp: 3815

Ion	Ratio	Lower	Upper
78	100		
77	17.2	17.5	26.3
50	17.1	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022



#53

Toluene

Concen: 0.280 ppbv

RT: 9.192 min Scan# 2049

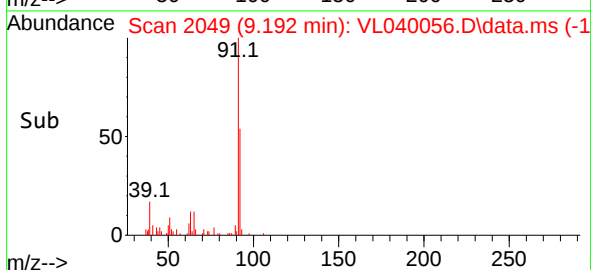
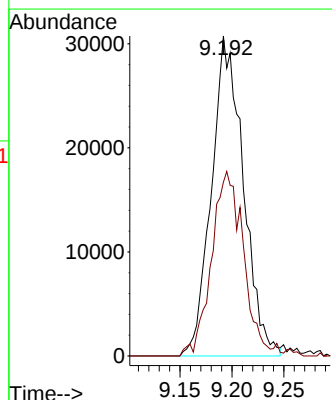
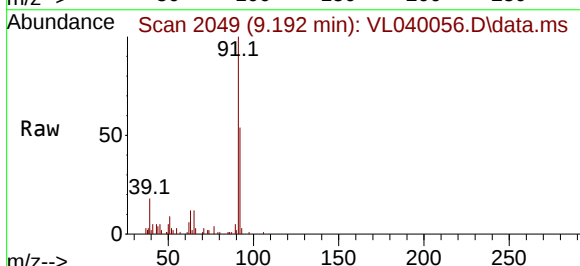
Delta R.T. -0.013 min

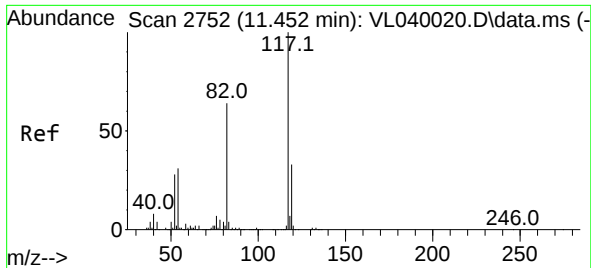
Lab File: VL040056.D

Acq: 20 Dec 2022 14:39

Tgt Ion: 91 Resp: 65295

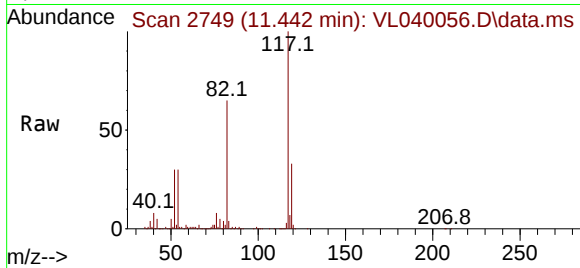
Ion	Ratio	Lower	Upper
91	100		
92	58.7	48.7	73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39

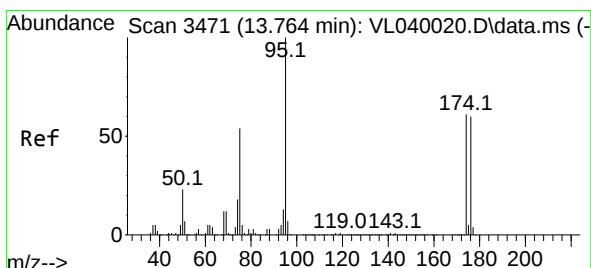
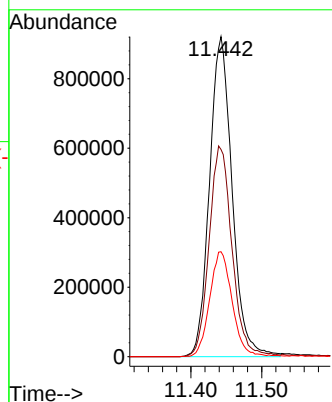
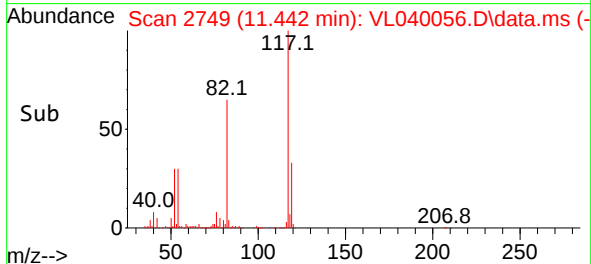
Instrument :
MSVOA_L
ClientSampleId :
IA-1



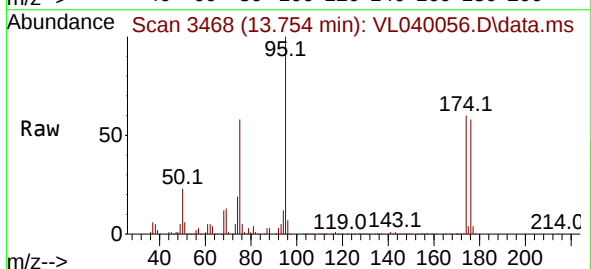
Tgt Ion: 117 Resp: 204414
Ion Ratio Lower Upper
117 100
82 67.1 51.2 76.8
119 32.8 23.2 34.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2022
Supervised By :Mahesh Dadoda 12/21/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.067 ppbv
RT: 13.754 min Scan# 3468
Delta R.T. -0.010 min
Lab File: VL040056.D
Acq: 20 Dec 2022 14:39



Tgt Ion: 95 Resp: 1571882
Ion Ratio Lower Upper
95 100
174 59.8 48.6 73.0
175 4.2 3.4 5.2

