

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040040.D
 Acq On : 19 Dec 2022 22:49
 Operator : SY/MD
 Sample : N5971-10
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 05:17:08 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	990199	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.626	114	2770637	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2430625	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1837680	9.898	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	43556	0.235	ppbv	89
3) Chlorodifluoromethane	2.652	51	41338m	0.283	ppbv	
4) Chloromethane	2.787	50	38415m	0.420	ppbv	
9) Propene	2.674	41	592665m	9.559	ppbv	
10) Heptane	7.558	43	234452	1.549	ppbv	98
11) Trichlorofluoromethane	3.539	101	36221	0.180	ppbv	94
13) Ethanol	3.214	45	227073	38.913	ppbv	93
15) Acetone	3.443	43	1005270m	6.563	ppbv	
17) tert-Butyl alcohol	3.874	59	28513m	0.189	ppbv	
19) Isopropyl Alcohol	3.558	45	68739m	0.911	ppbv	
20) Methylene Chloride	3.912	84	70212	1.078	ppbv	90
26) Hexane	5.189	57	179667	1.611	ppbv #	38
30) Cyclohexane	6.574	84	53910m	0.546	ppbv	
34) 2-Butanone	4.767	43	46294m	0.308	ppbv	
35) Carbon Tetrachloride	6.468	117	9978m	0.058	ppbv	
36) Benzene	6.343	78	86409	0.349	ppbv	98
53) Toluene	9.195	91	859040	3.136	ppbv	100
58) Ethyl Benzene	12.069	91	140316	0.406	ppbv	99
59) m/p-Xylene	12.320	91	381458	1.268	ppbv	98
60) o-Xylene	13.037	91	141787	0.492	ppbv	100
61) Styrene	12.876	104	24293m	0.157	ppbv	
74) 1,2,4-Trimethylbenzene	16.089	105	39219m	0.123	ppbv	

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

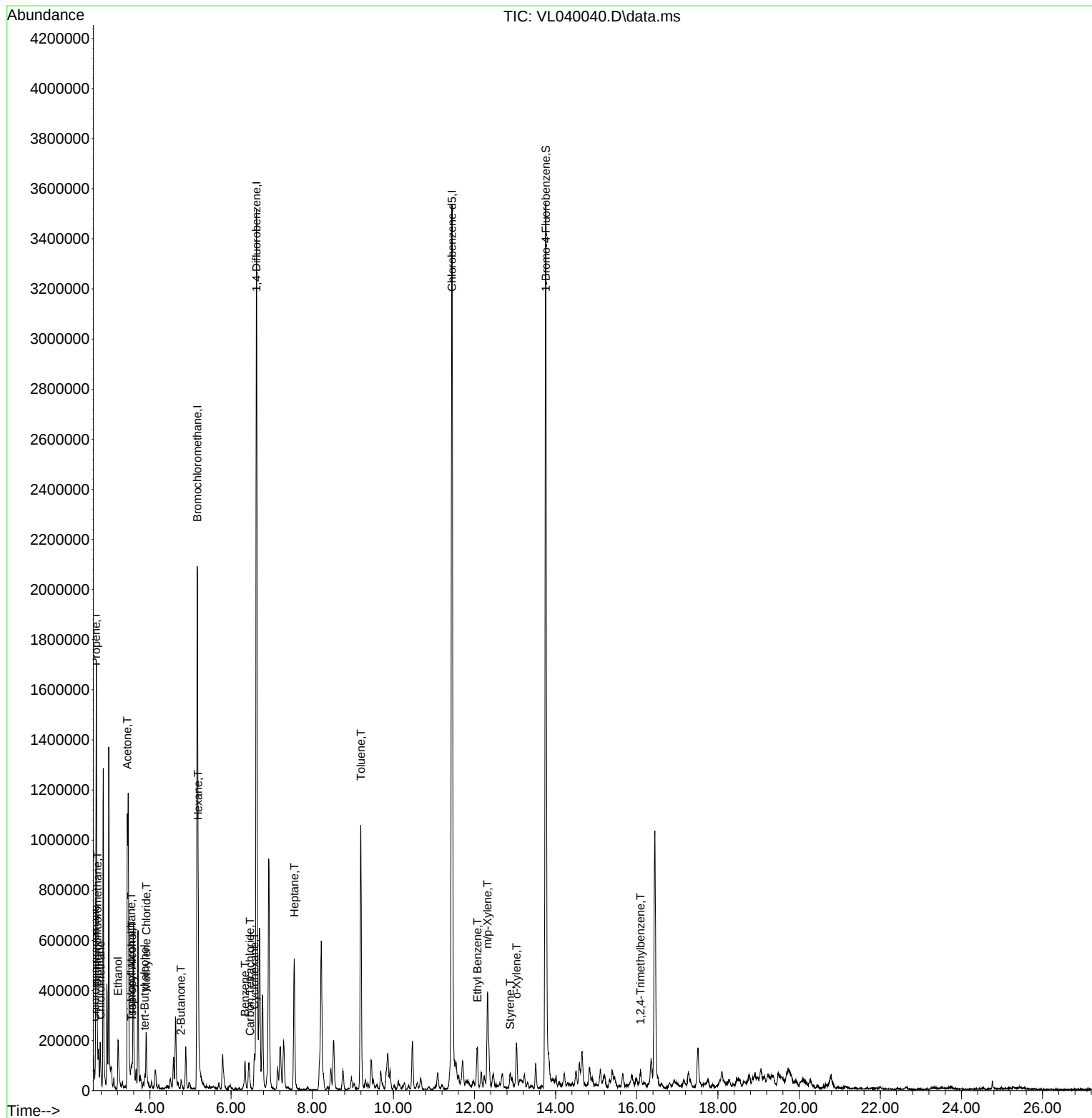
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
Data File : VL040040.D
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Operator : SY/MD
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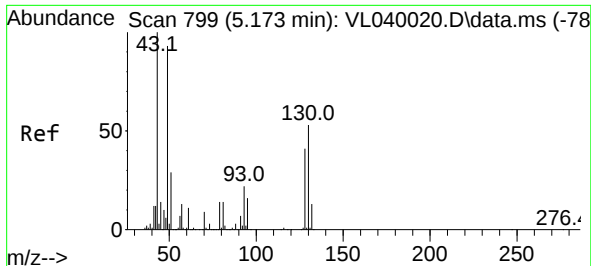
Instrument :
MSVOA_L
ClientSampleId :
SS-1

Quant Time: Dec 20 05:17:08 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

Manual Integrations
APPROVED

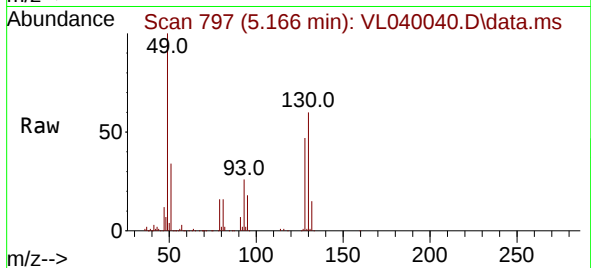
Reviewed By : Semsettin Yesilyurt 12/20/2022
Supervised By : Mahesh Dadoda 12/20/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. -0.007 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

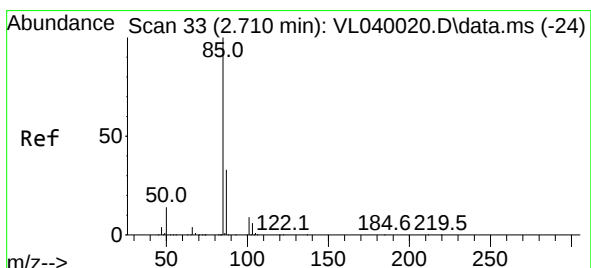
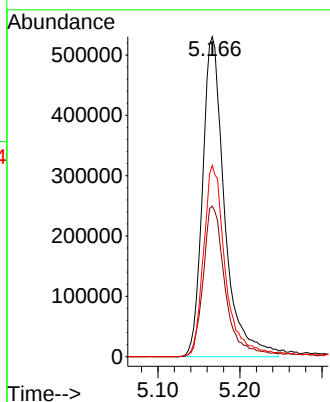
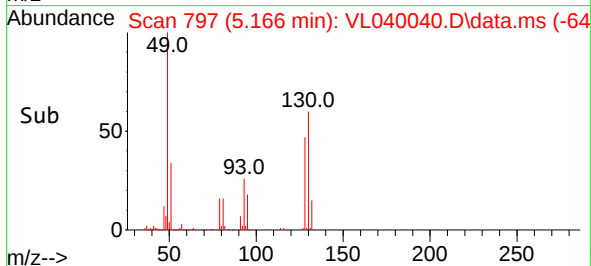
Instrument :
MSVOA_L
ClientSampleId :
SS-1



Tgt Ion: 49 Resp: 990199
Ion Ratio Lower Upper
49 100
128 48.8 22.4 67.3
130 61.1 28.9 86.8

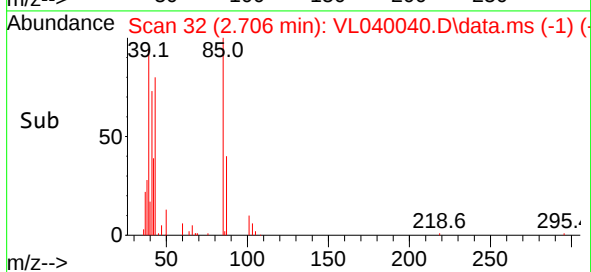
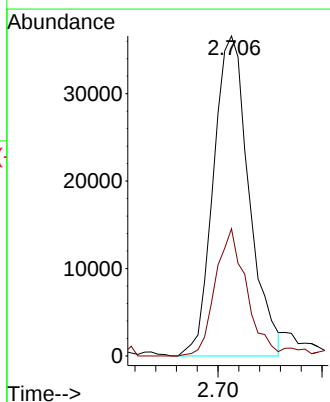
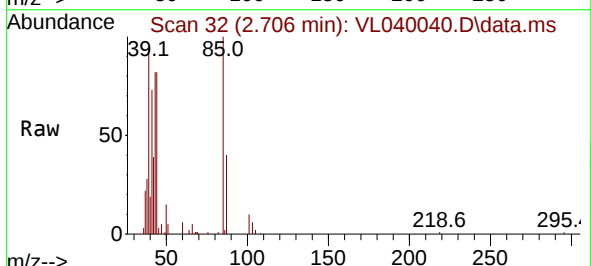
Manual Integrations
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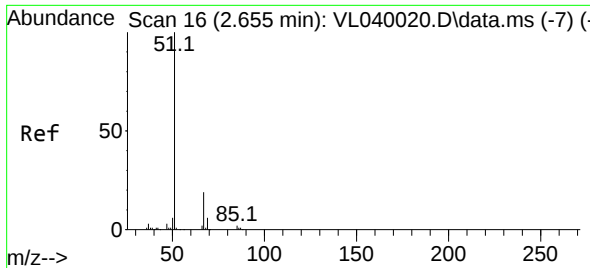
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#2
Dichlorodifluoromethane
Concen: 0.235 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.003 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

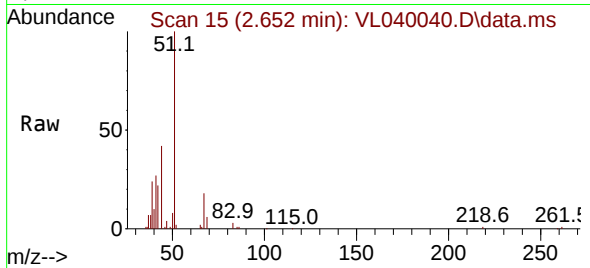
Tgt Ion: 85 Resp: 43556
Ion Ratio Lower Upper
85 100
87 39.8 26.6 40.0





#3
Chlorodifluoromethane
Concen: 0.283 ppbv m
RT: 2.652 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

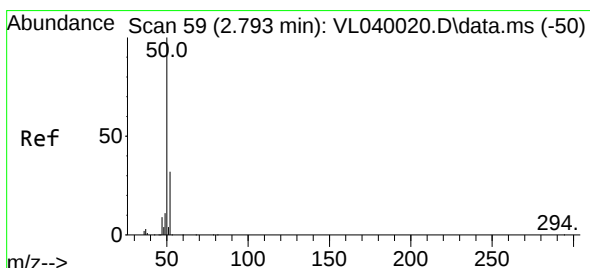
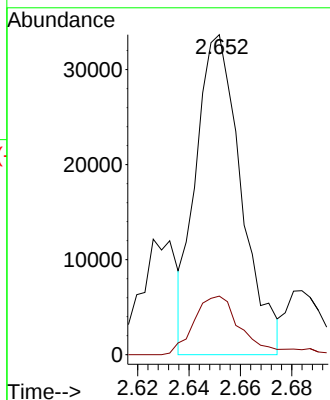
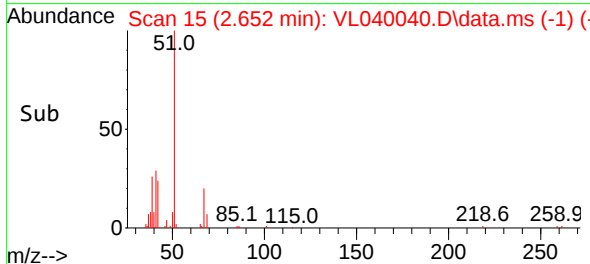
Instrument :
MSVOA_L
ClientSampleId :
SS-1



Tgt Ion: 51 Resp: 41338
Ion Ratio Lower Upper
51 100
67 20.3 15.3 22.9

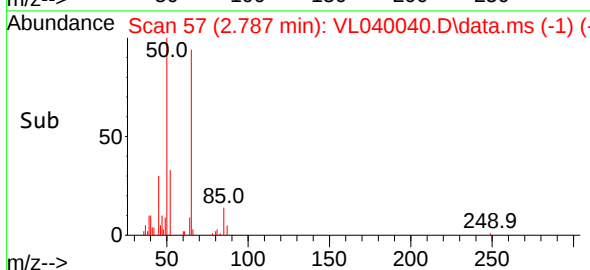
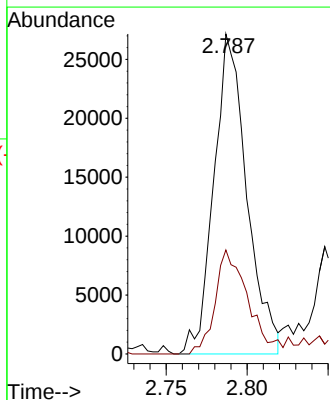
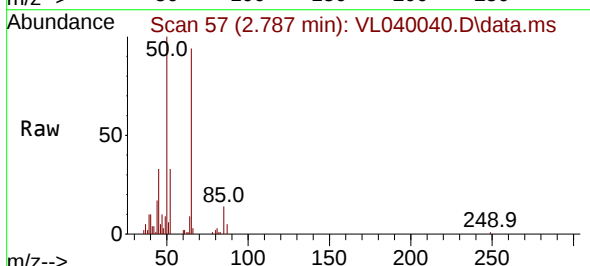
Manual Integrations
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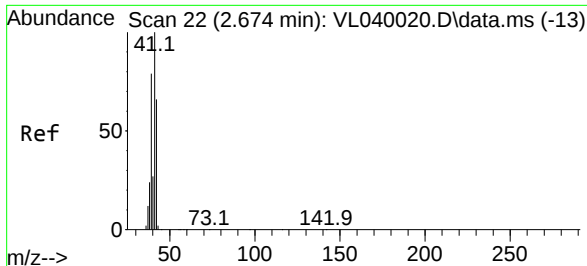
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#4
Chloromethane
Concen: 0.420 ppbv m
RT: 2.787 min Scan# 57
Delta R.T. -0.006 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

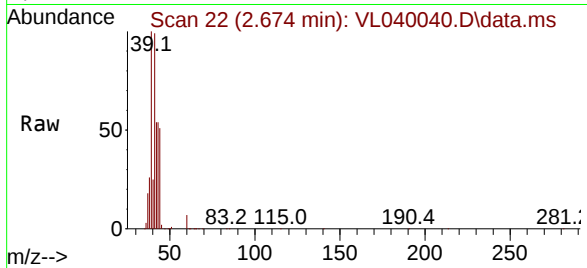
Tgt Ion: 50 Resp: 38415
Ion Ratio Lower Upper
50 100
52 32.5 25.5 38.3





#9
 Propene
 Concen: 9.559 ppbv m
 RT: 2.674 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL040040.D
 Acq: 19 Dec 2022 22:49

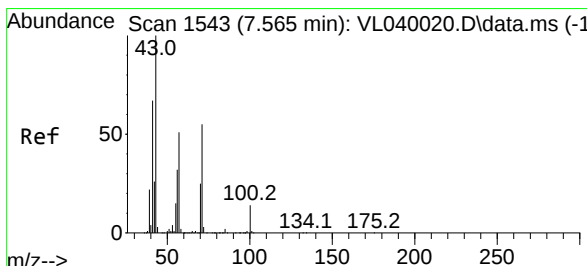
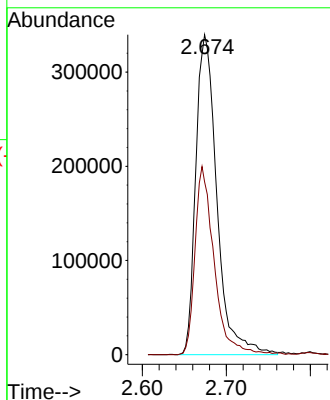
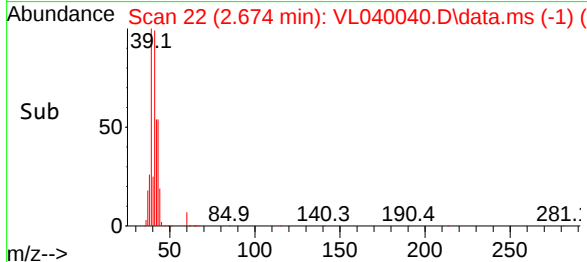
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1



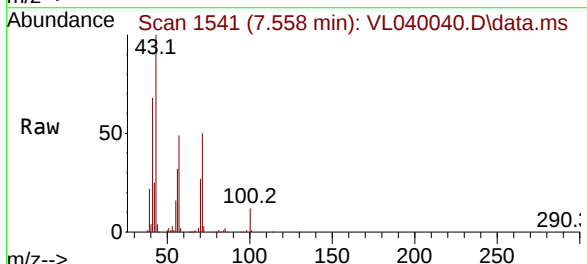
Tgt Ion: 41 Resp: 59266
 Ion Ratio Lower Upper
 41 100
 42 37.5 54.8 82.2

Manual Integrations
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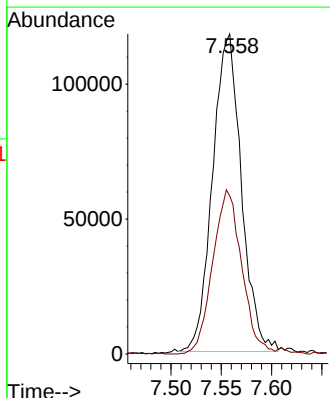
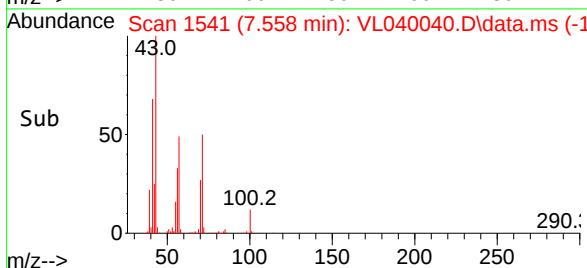
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022

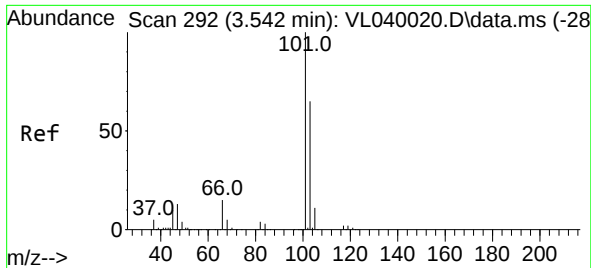


#10
 Heptane
 Concen: 1.549 ppbv
 RT: 7.558 min Scan# 1541
 Delta R.T. -0.006 min
 Lab File: VL040040.D
 Acq: 19 Dec 2022 22:49



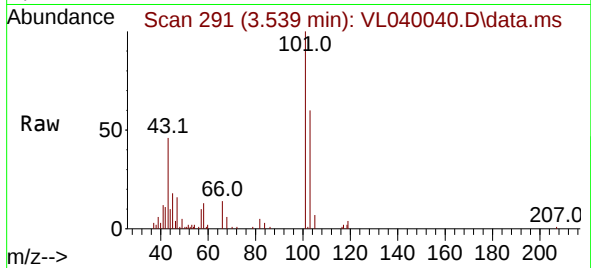
Tgt Ion: 43 Resp: 234452
 Ion Ratio Lower Upper
 43 100
 57 52.8 41.2 61.8





#11
Trichlorofluoromethane
Concen: 0.180 ppbv
RT: 3.539 min Scan# 292
Delta R.T. -0.003 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

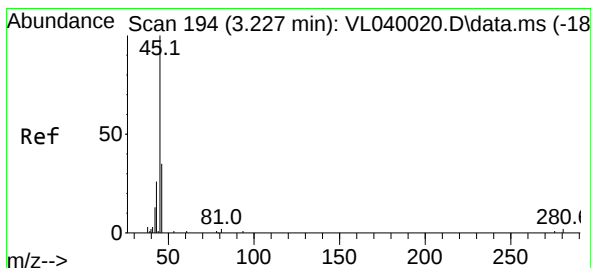
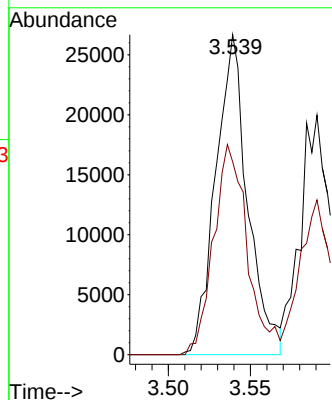
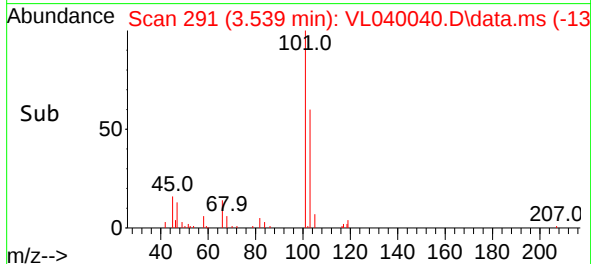
Instrument :
MSVOA_L
ClientSampleId :
SS-1



Tgt Ion:101 Resp: 3622
Ion Ratio Lower Upper
101 100
103 60.2 51.7 77.5

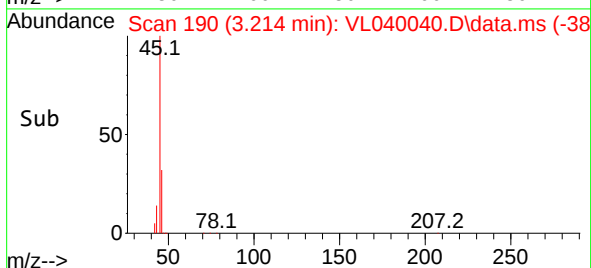
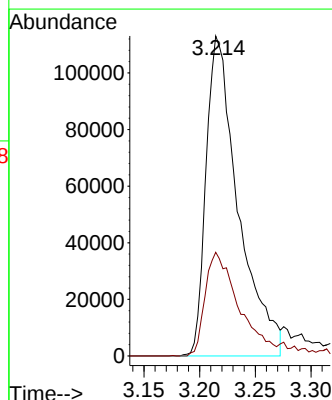
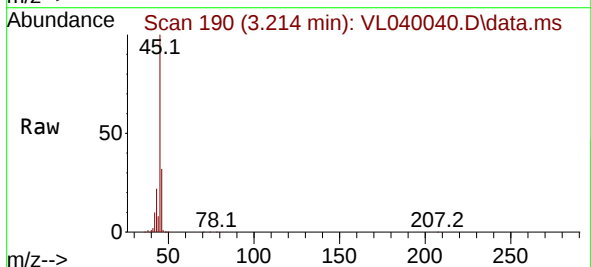
Manual Integrations
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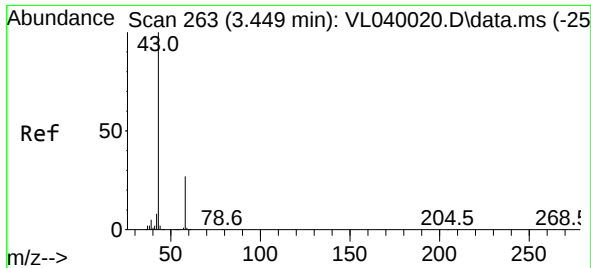
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#13
Ethanol
Concen: 38.913 ppbv
RT: 3.214 min Scan# 190
Delta R.T. -0.013 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

Tgt Ion: 45 Resp: 227073
Ion Ratio Lower Upper
45 100
46 38.4 13.7 54.7





#15

Acetone

Concen: 6.563 ppbv m

RT: 3.443 min Scan# 2

Delta R.T. -0.006 min

Lab File: VL040040.D

Acq: 19 Dec 2022 22:49

Instrument :

MSVOA_L

ClientSampleId :

SS-1

Tgt Ion: 43 Resp: 1005270

Ion Ratio Lower Upper

43 100

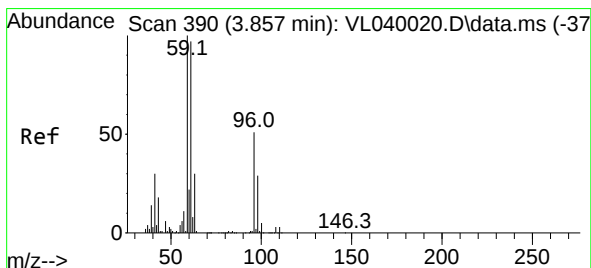
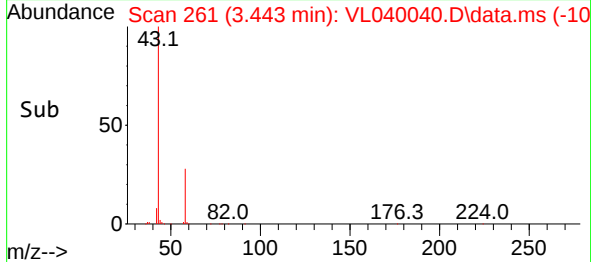
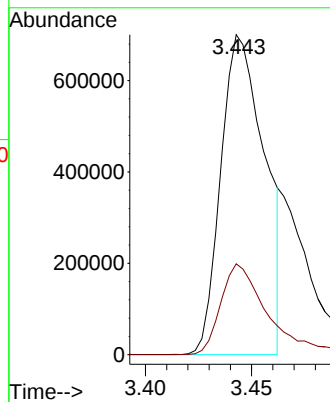
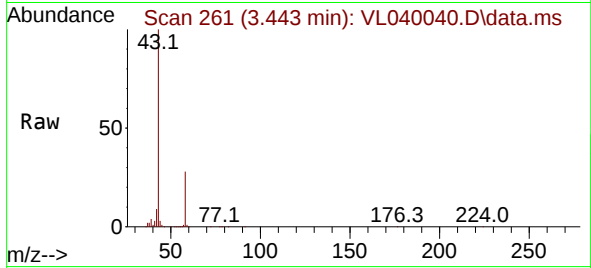
58 32.9 21.8 32.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#17

tert-Butyl alcohol

Concen: 0.189 ppbv m

RT: 3.874 min Scan# 395

Delta R.T. 0.016 min

Lab File: VL040040.D

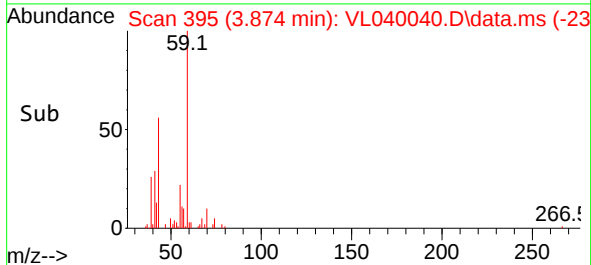
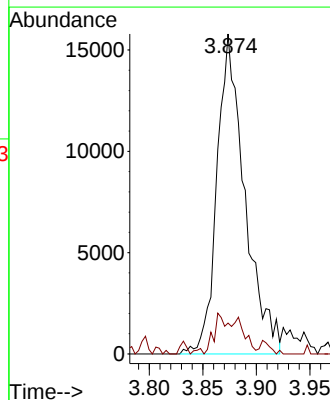
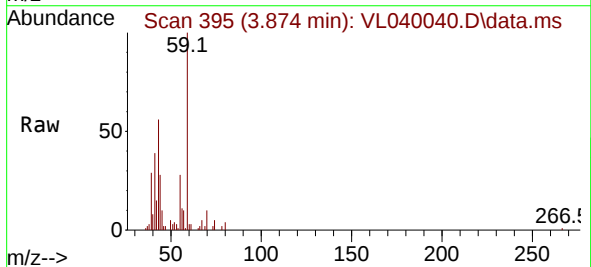
Acq: 19 Dec 2022 22:49

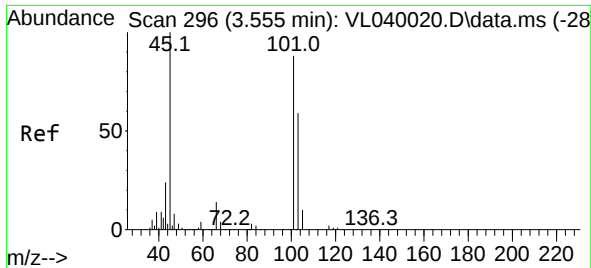
Tgt Ion: 59 Resp: 28513

Ion Ratio Lower Upper

59 100

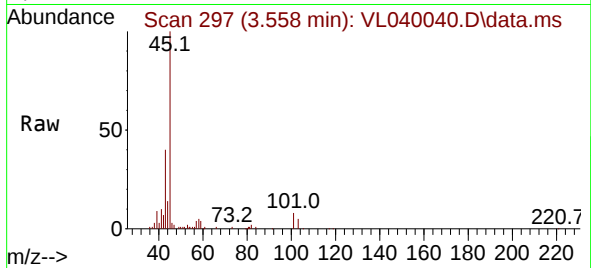
57 0.0 8.4 12.6





#19
Isopropyl Alcohol
Concen: 0.911 ppbv m
RT: 3.558 min Scan# 296
Delta R.T. 0.003 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

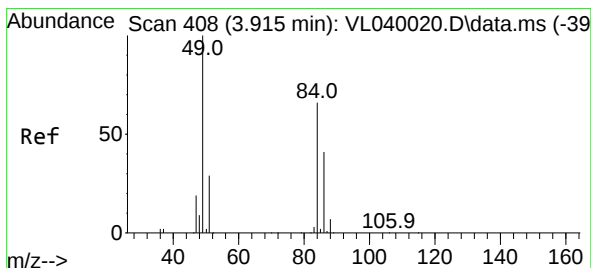
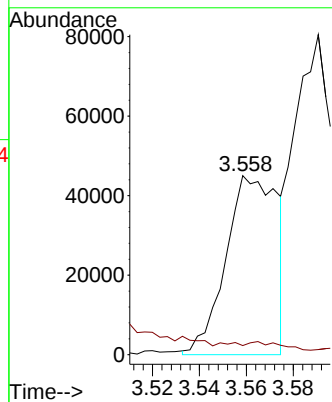
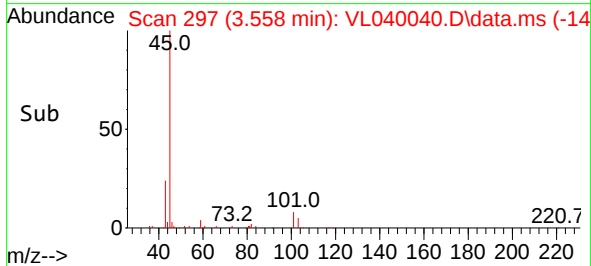
Instrument :
MSVOA_L
ClientSampleId :
SS-1



Tgt Ion: 45 Resp: 68739
Ion Ratio Lower Upper
45 100
58 0.0 1.7 2.5

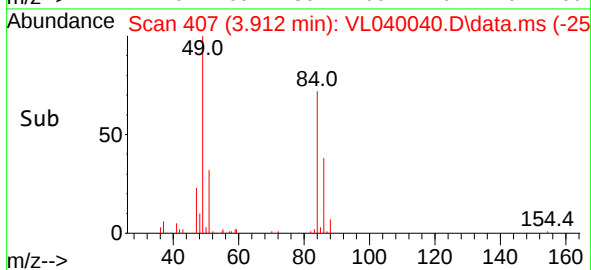
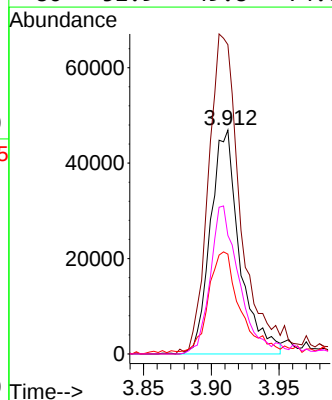
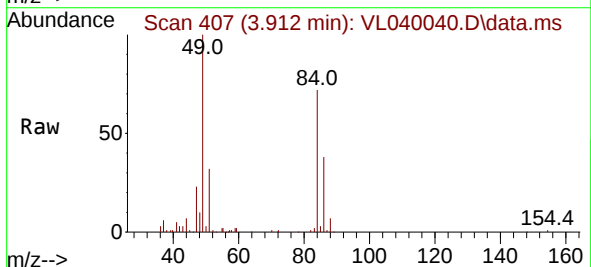
Manual Integrations
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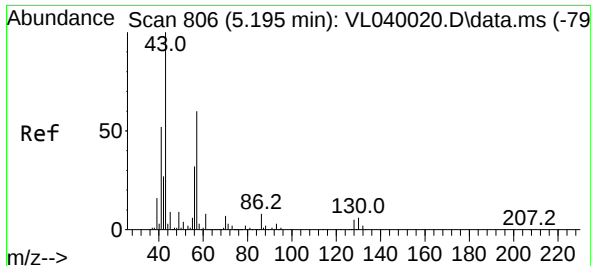
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#20
Methylene Chloride
Concen: 1.078 ppbv
RT: 3.912 min Scan# 407
Delta R.T. -0.003 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

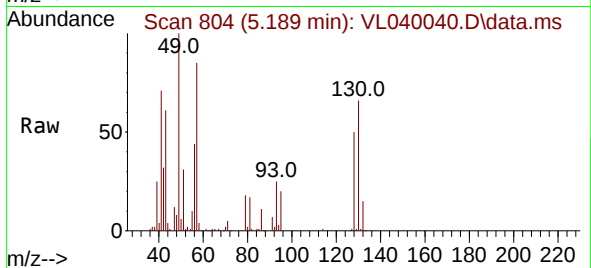
Tgt Ion: 84 Resp: 70212
Ion Ratio Lower Upper
84 100
49 136.0 120.5 180.7
51 43.5 35.2 52.8
86 52.9 49.8 74.6





#26
Hexane
Concen: 1.611 ppbv
RT: 5.189 min Scan# 806
Delta R.T. -0.006 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

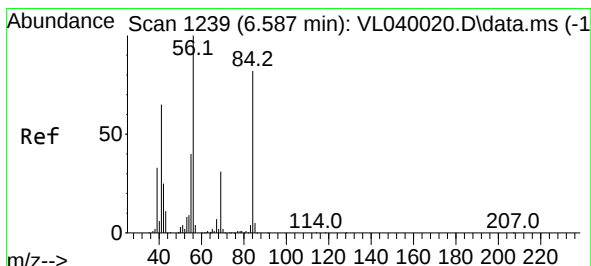
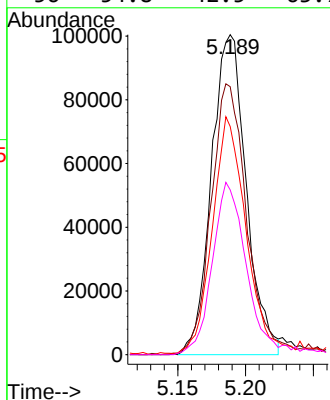
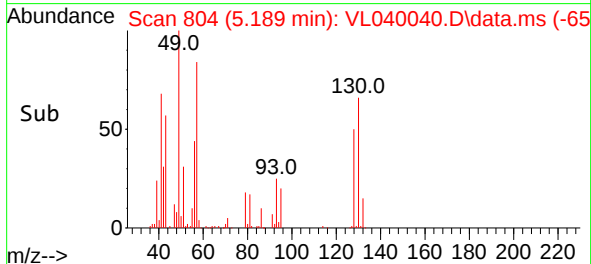
Instrument :
MSVOA_L
ClientSampleId :
SS-1



Tgt Ion: 57 Resp: 17966
Ion Ratio Lower Upper
57 100
41 88.9 72.1 108.1
43 74.7 192.1 288.1
56 54.8 42.5 63.7

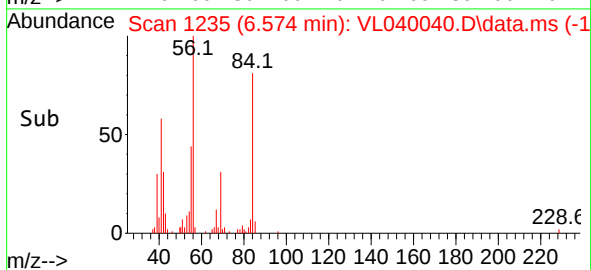
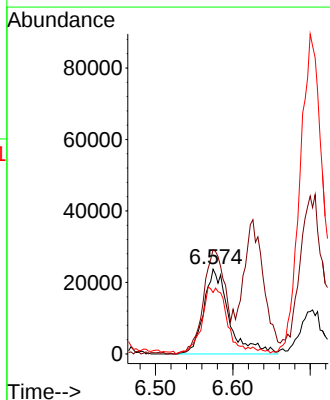
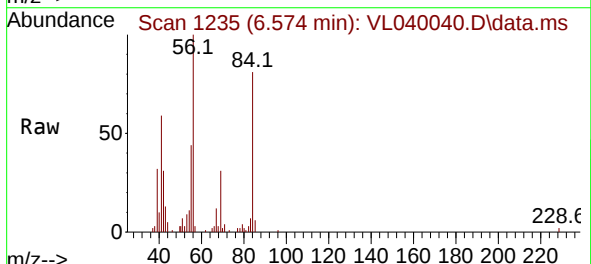
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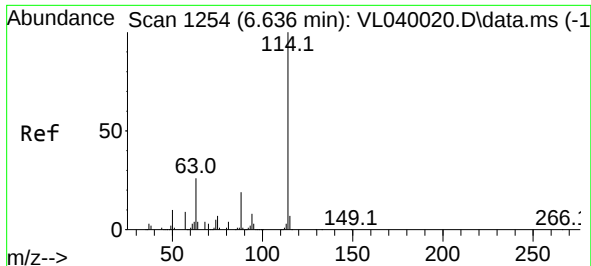
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#30
Cyclohexane
Concen: 0.546 ppbv m
RT: 6.574 min Scan# 1235
Delta R.T. -0.013 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

Tgt Ion: 84 Resp: 53910
Ion Ratio Lower Upper
84 100
56 0.0 110.2 165.4#
41 0.0 67.8 101.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.626 min Scan# 114

Delta R.T. -0.010 min

Lab File: VL040040.D

Acq: 19 Dec 2022 22:49

Instrument :

MSVOA_L

ClientSampleId :

SS-1

Tgt Ion:114 Resp: 277063

Ion Ratio Lower Upper

114 100

63 24.4 20.2 30.2

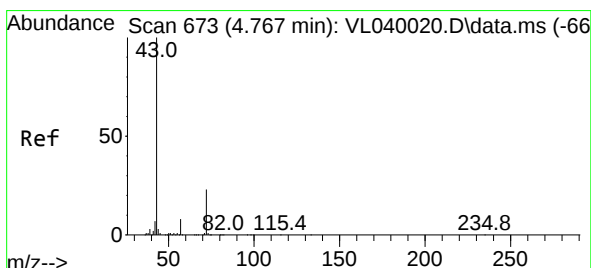
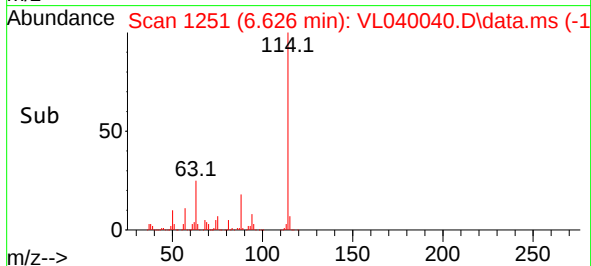
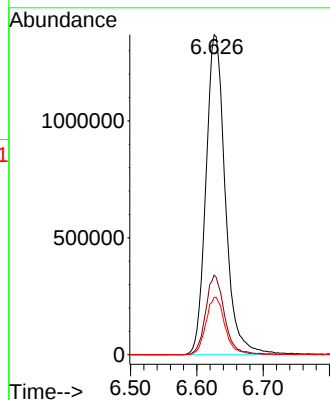
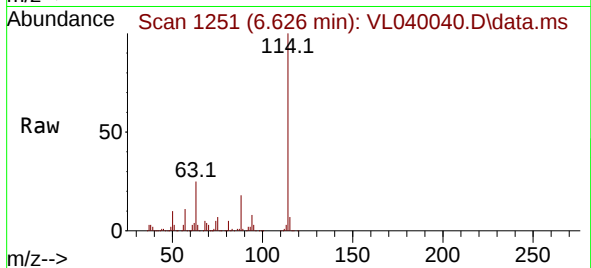
88 17.7 14.6 21.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#34

2-Butanone

Concen: 0.308 ppbv m

RT: 4.767 min Scan# 673

Delta R.T. 0.000 min

Lab File: VL040040.D

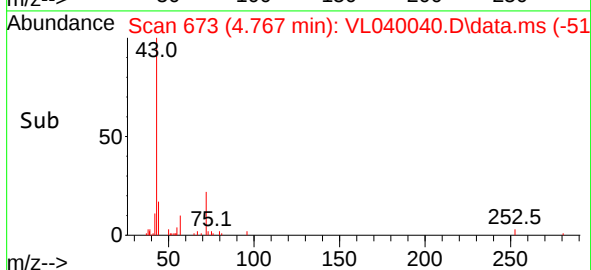
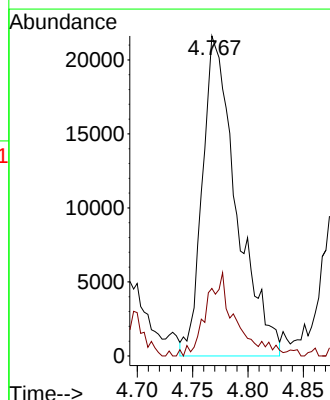
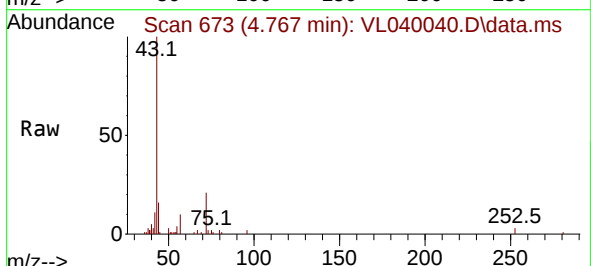
Acq: 19 Dec 2022 22:49

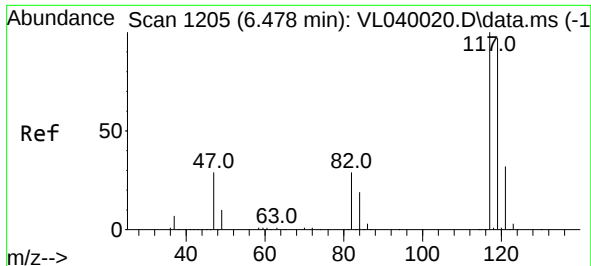
Tgt Ion: 43 Resp: 46294

Ion Ratio Lower Upper

43 100

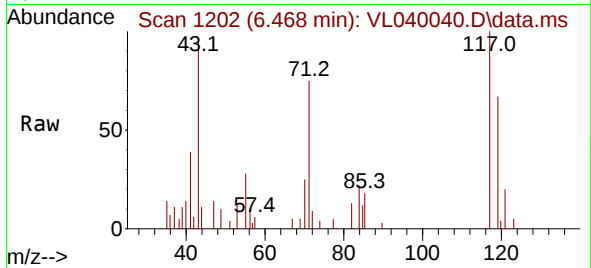
72 23.0 18.0 27.0





#35
Carbon Tetrachloride
Concen: 0.058 ppbv
RT: 6.468 min Scan# 1170
Delta R.T. -0.010 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

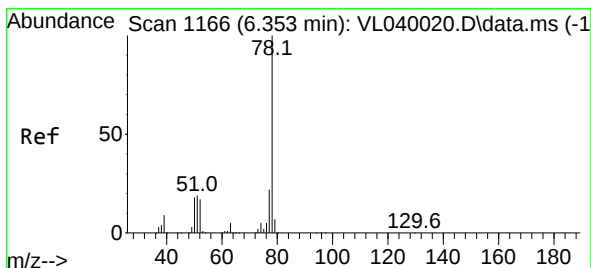
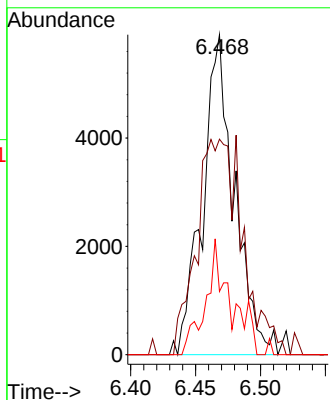
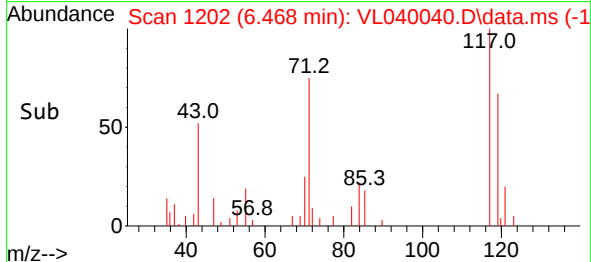
Instrument :
MSVOA_L
ClientSampleId :
SS-1



Tgt Ion: 117 Resp: 9978
Ion Ratio Lower Upper
117 100
119 67.4 77.3 115.9
121 19.7 25.4 38.0

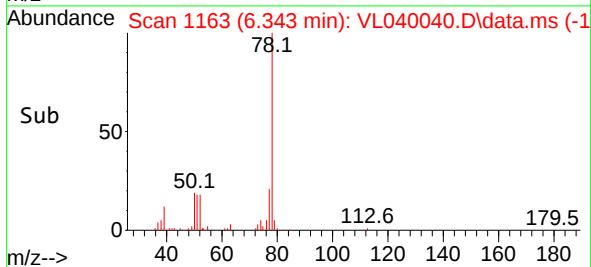
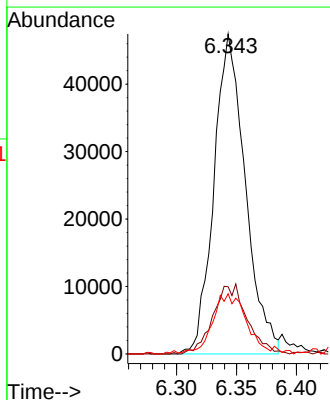
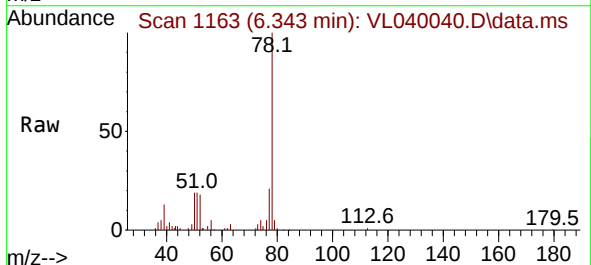
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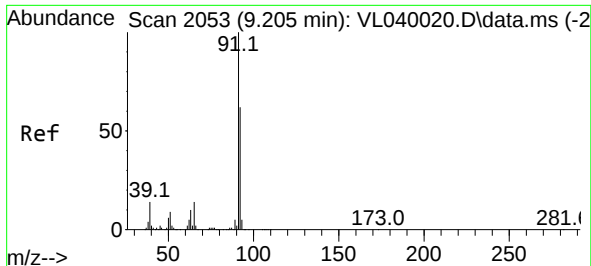
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#36
Benzene
Concen: 0.349 ppbv
RT: 6.343 min Scan# 1163
Delta R.T. -0.010 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

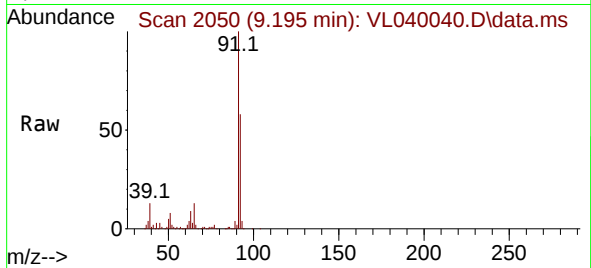
Tgt Ion: 78 Resp: 86409
Ion Ratio Lower Upper
78 100
77 21.0 17.5 26.3
50 18.4 14.2 21.2





#53
Toluene
Concen: 3.136 ppbv
RT: 9.195 min Scan# 2053
Delta R.T. -0.010 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

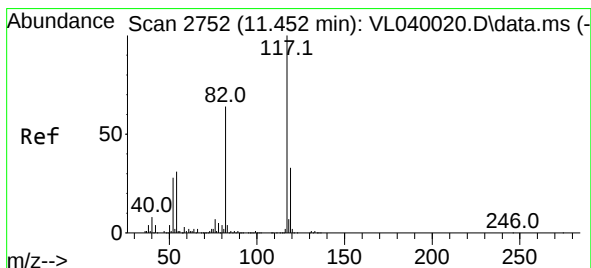
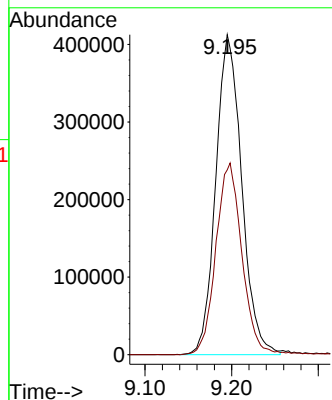
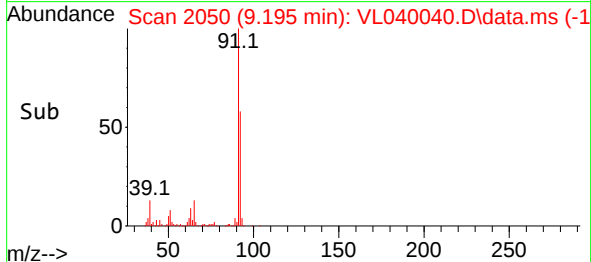
Instrument :
MSVOA_L
ClientSampleId :
SS-1



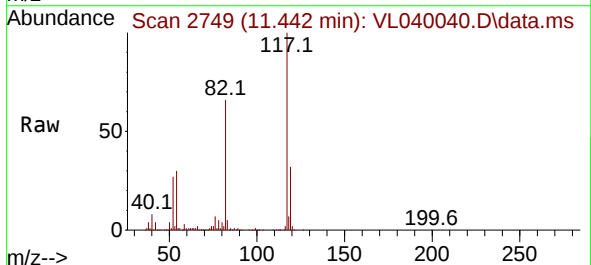
Tgt Ion: 91 Resp: 859040
Ion Ratio Lower Upper
91 100
92 60.7 48.7 73.1

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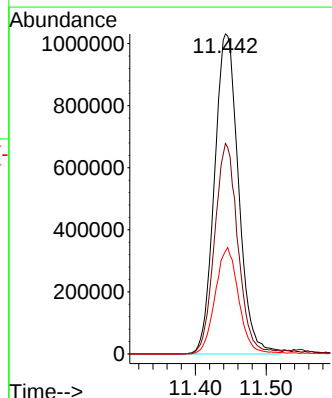
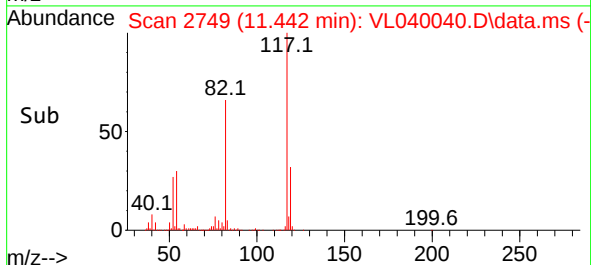
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

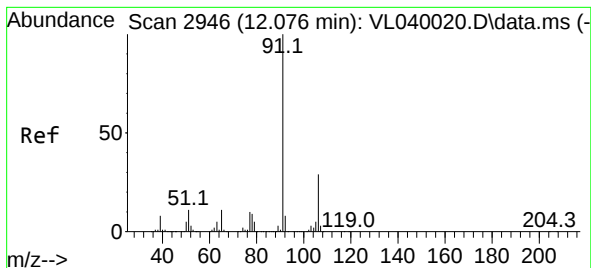


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. -0.010 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49



Tgt Ion:117 Resp: 2430625
Ion Ratio Lower Upper
117 100
82 64.5 51.2 76.8
119 32.9 23.2 34.8





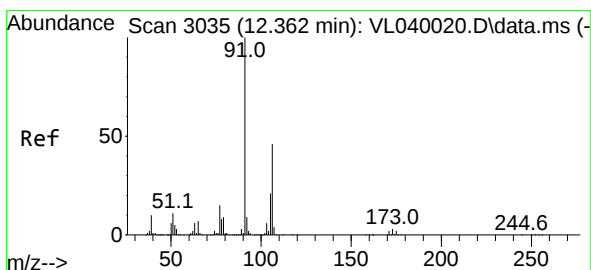
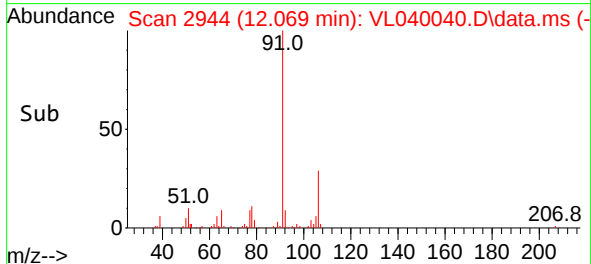
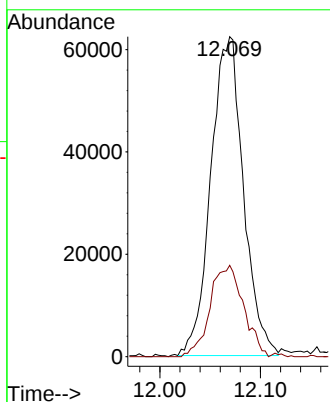
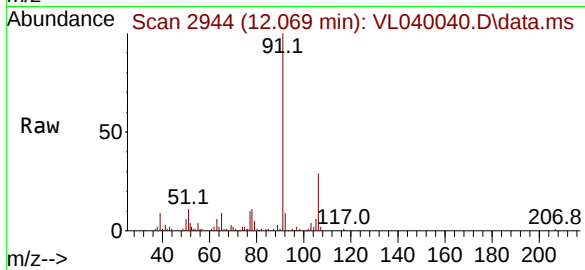
#58
Ethyl Benzene
Concen: 0.406 ppbv
RT: 12.069 min Scan# 2946
Delta R.T. -0.006 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion: 91 Resp: 140310
Ion Ratio Lower Upper
91 100
106 28.6 23.5 35.3

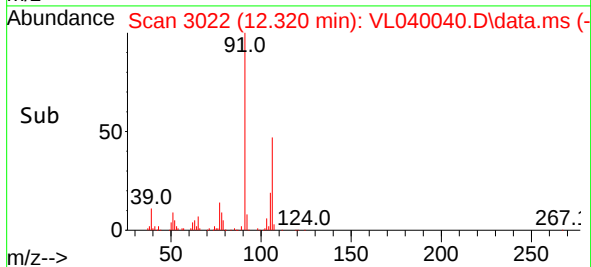
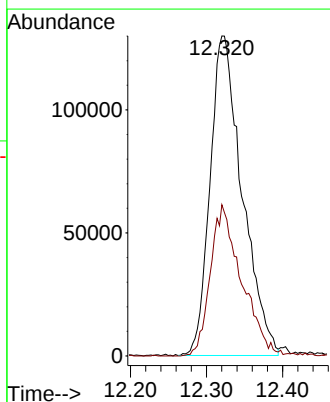
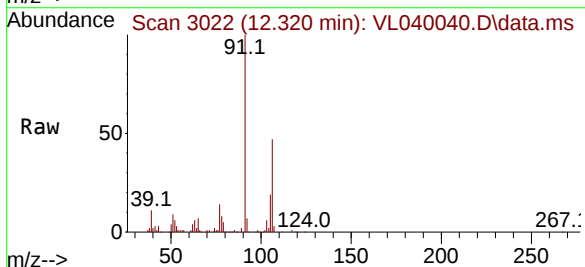
Manual Integrations
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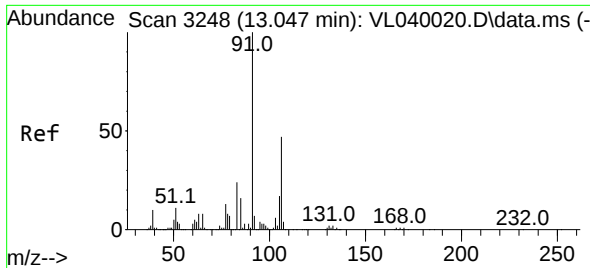
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#59
m/p-Xylene
Concen: 1.268 ppbv
RT: 12.320 min Scan# 3022
Delta R.T. -0.042 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

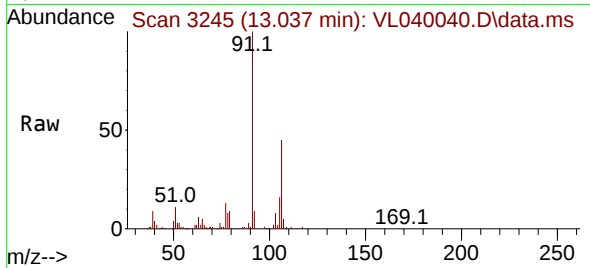
Tgt Ion: 91 Resp: 381458
Ion Ratio Lower Upper
91 100
106 46.0 35.5 53.3





#60
o-Xylene
Concen: 0.492 ppbv
RT: 13.037 min Scan# 3195
Delta R.T. -0.010 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

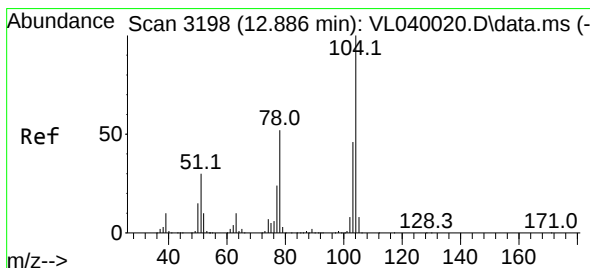
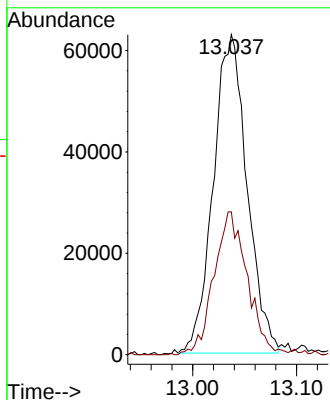
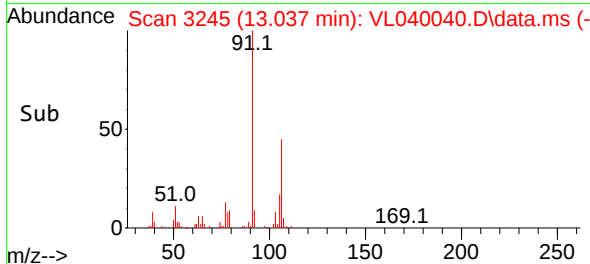
Instrument :
MSVOA_L
ClientSampleId :
SS-1



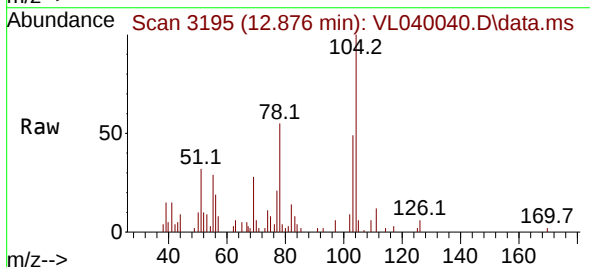
Tgt Ion: 91 Resp: 14178
Ion Ratio Lower Upper
91 100
106 44.9 22.4 67.0

Manual Integrations
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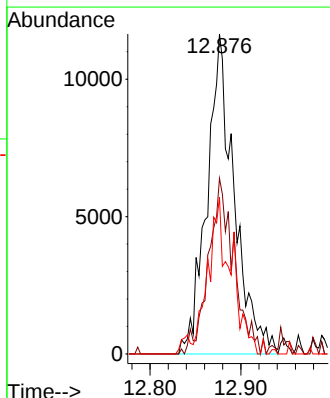
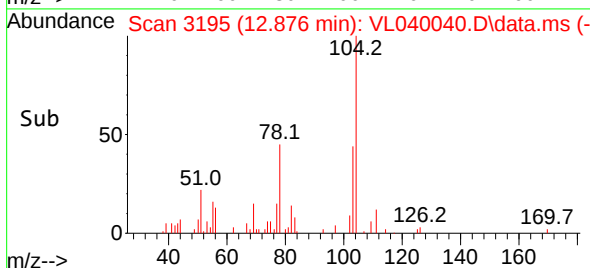
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

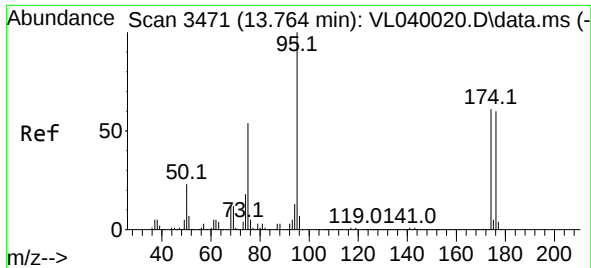


#61
Styrene
Concen: 0.157 ppbv m
RT: 12.876 min Scan# 3195
Delta R.T. -0.010 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49



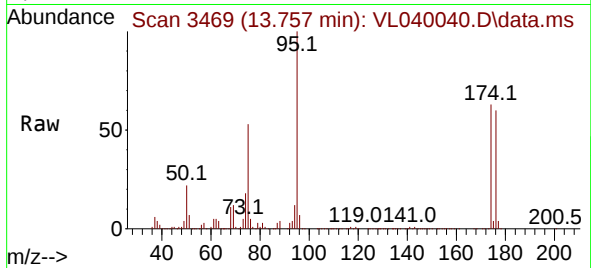
Tgt Ion:104 Resp: 24293
Ion Ratio Lower Upper
104 100
78 51.6 42.4 63.6
103 44.2 37.2 55.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.898 ppbv
RT: 13.757 min Scan# 3471
Delta R.T. -0.006 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49

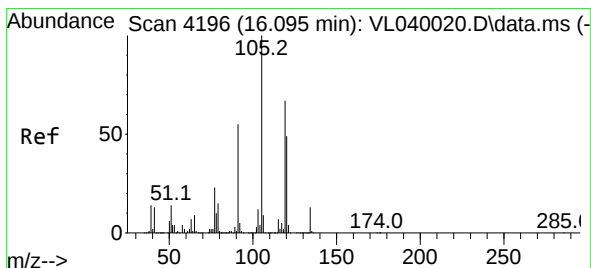
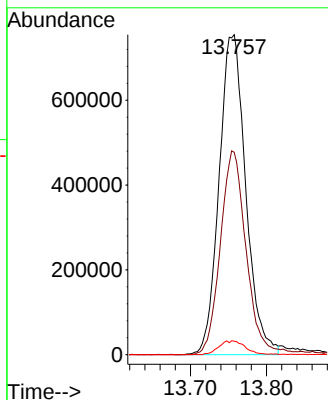
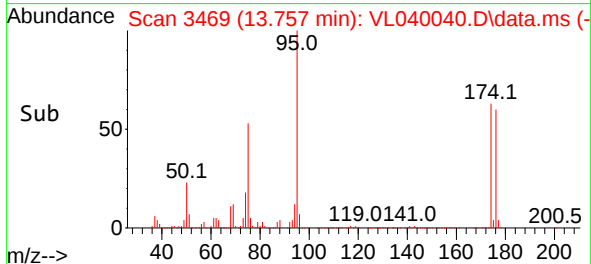
Instrument :
MSVOA_L
ClientSampleId :
SS-1



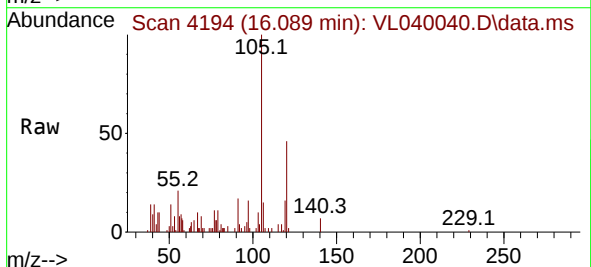
Tgt Ion: 95 Resp: 1837680
Ion Ratio Lower Upper
95 100
174 63.1 48.6 73.0
175 4.5 3.4 5.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.123 ppbv m
RT: 16.089 min Scan# 4194
Delta R.T. -0.006 min
Lab File: VL040040.D
Acq: 19 Dec 2022 22:49



Tgt Ion:105 Resp: 39219
Ion Ratio Lower Upper
105 100
120 46.4 39.3 58.9
91 17.2 44.2 66.4#
77 10.6 18.8 28.2#

