

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039987.D
 Acq On : 12 Dec 2022 22:25
 Operator : SY/MD
 Sample : N5971-08
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 13 07:10:25 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 12

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	1099372	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.629	114	2805628	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.445	117	2562101	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	2111107	10.788	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	97224	0.617	ppbv	98
3) Chlorodifluoromethane	2.652	51	80118	0.528	ppbv	98
4) Chloromethane	2.790	50	43132	0.445	ppbv	93
9) Propene	2.674	41	134542	1.883	ppbv #	82
11) Trichlorofluoromethane	3.539	101	46074	0.240	ppbv	99
13) Ethanol	3.211	45	1581179	289.814	ppbv	100
15) Acetone	3.446	43	889535	6.100	ppbv	97
20) Methylene Chloride	3.909	84	1189925	16.843	ppbv	95
26) Hexane	5.192	57	721998	6.173	ppbv #	38
34) 2-Butanone	4.767	43	40143	0.299	ppbv	91
35) Carbon Tetrachloride	6.465	117	12571m	0.079	ppbv	
36) Benzene	6.346	78	53484	0.224	ppbv	94
52) Tetrachloroethene	10.593	164	2681m	0.030	ppbv	
53) Toluene	9.201	91	232424	0.856	ppbv	99
59) m/p-Xylene	12.320	91	49410m	0.170	ppbv	

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

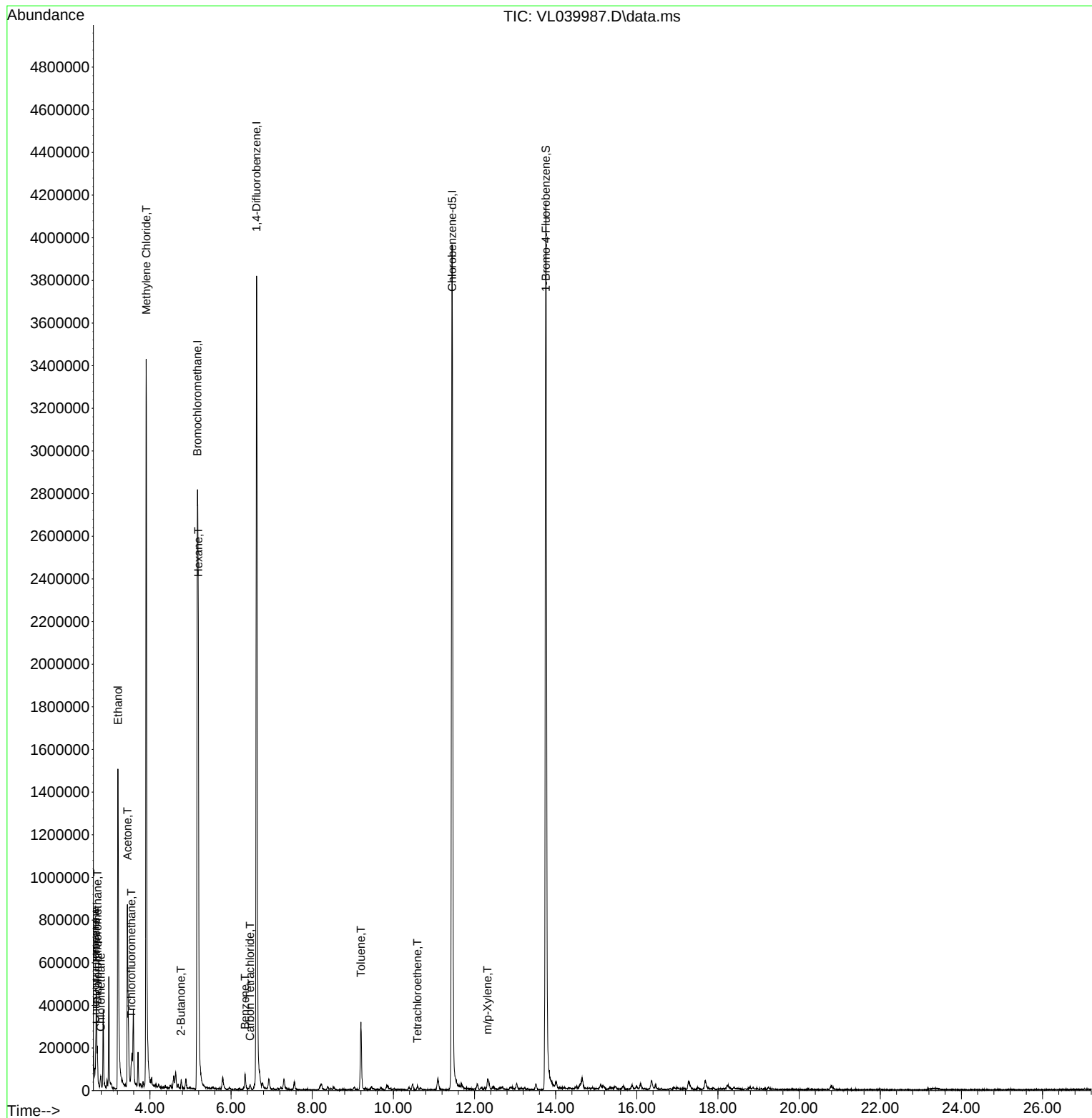
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
Data File : VL039987.D
Acq On : 12 Dec 2022 22:25
Operator : SY/MD
Sample : N5971-08
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Quant Time: Dec 13 07:10:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

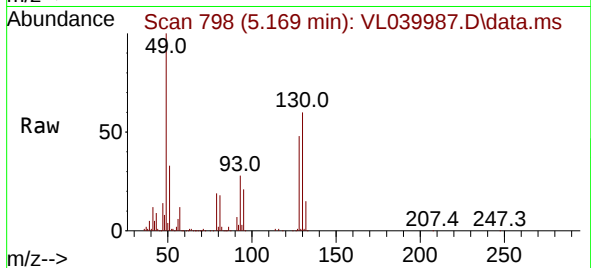
Reviewed By : Semsettin Yesilyurt 12/14/2022
Supervised By : Mahesh Dadoda 12/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. 0.013 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25

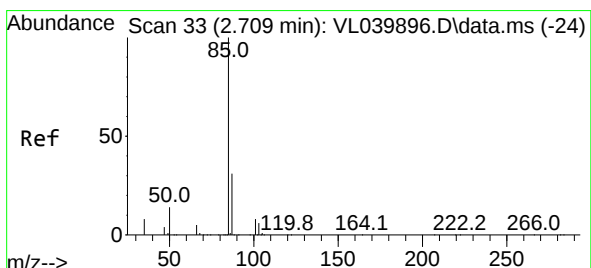
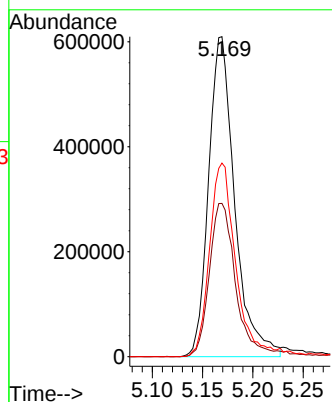
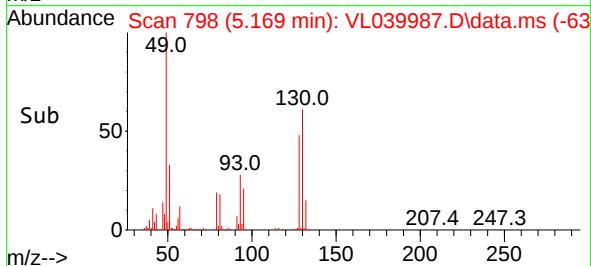
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 49 Resp: 1099372
Ion Ratio Lower Upper
49 100
128 49.8 22.1 66.3
130 62.7 27.7 83.1

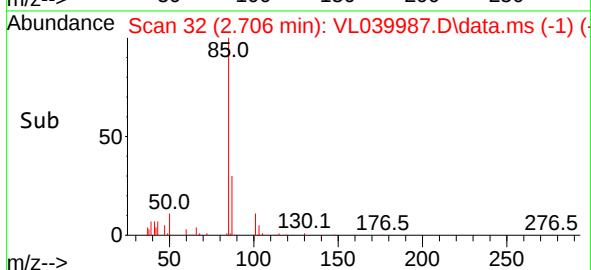
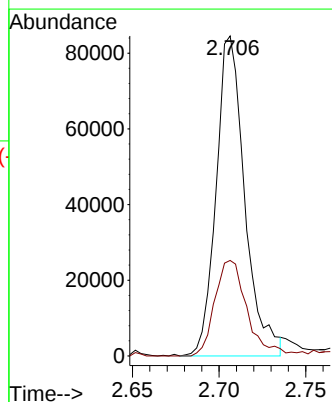
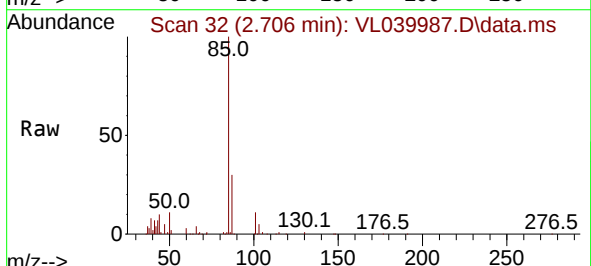
Manual Integrations
APPROVED

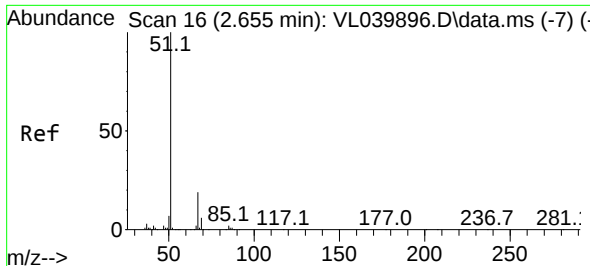
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#2
Dichlorodifluoromethane
Concen: 0.617 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.010 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25

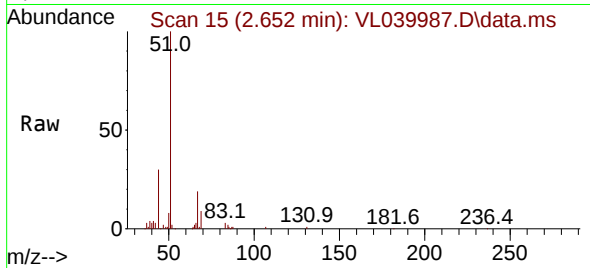
Tgt Ion: 85 Resp: 97224
Ion Ratio Lower Upper
85 100
87 29.8 25.0 37.4





#3
Chlorodifluoromethane
Concen: 0.528 ppbv
RT: 2.652 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25

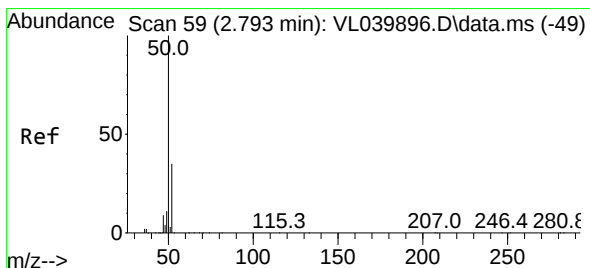
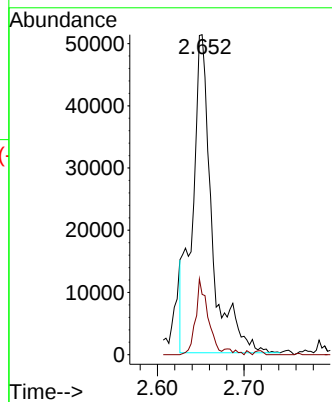
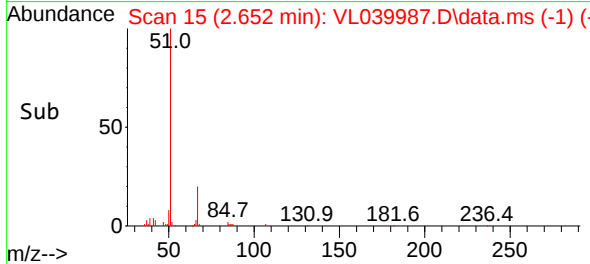
Instrument :
MSVOA_L
ClientSampleId :
IA-2



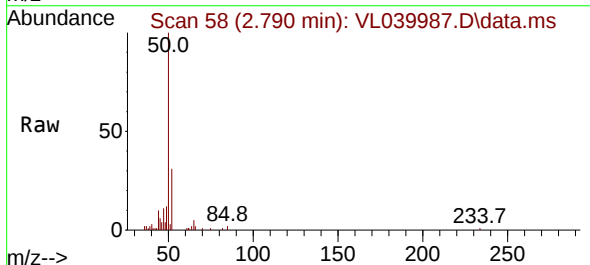
Tgt Ion: 51 Resp: 80118
Ion Ratio Lower Upper
51 100
67 16.8 14.2 21.4

Manual Integrations
APPROVED

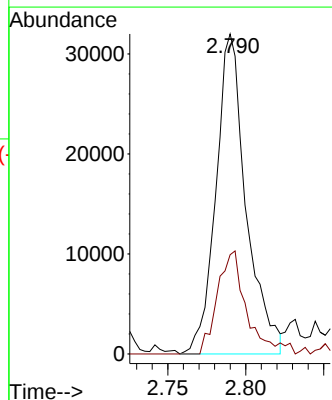
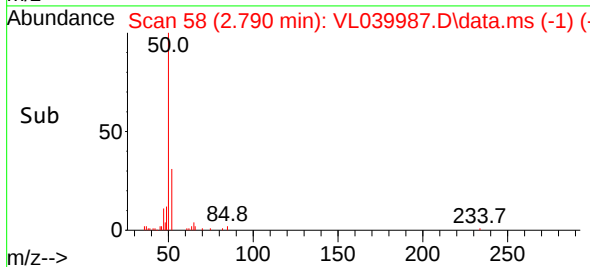
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

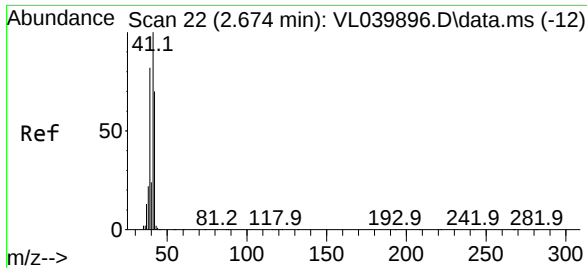


#4
Chloromethane
Concen: 0.445 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.010 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25



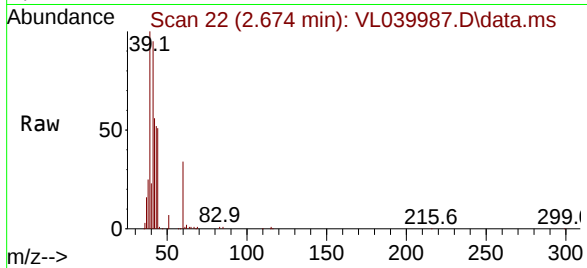
Tgt Ion: 50 Resp: 43132
Ion Ratio Lower Upper
50 100
52 31.0 27.8 41.8





#9
 Propene
 Concen: 1.883 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. 0.013 min
 Lab File: VL039987.D
 Acq: 12 Dec 2022 22:25

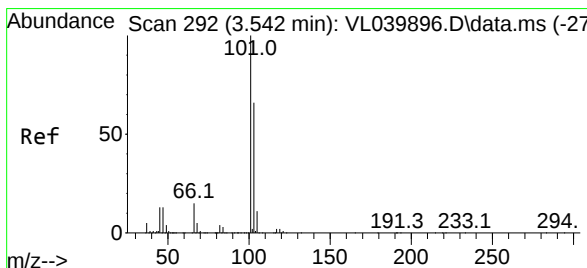
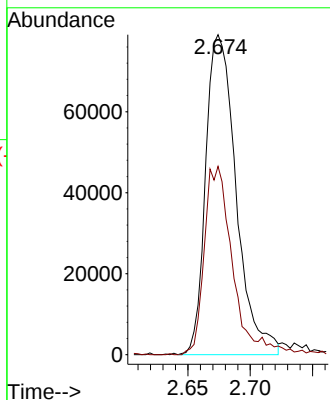
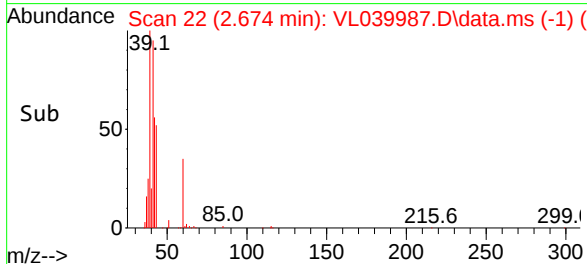
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2



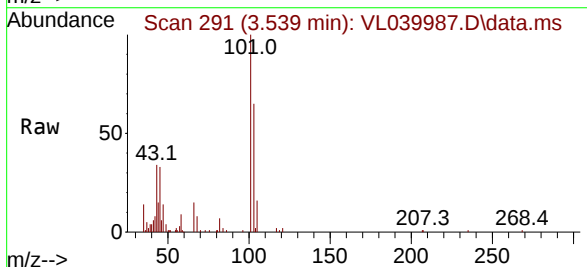
Tgt Ion: 41 Resp: 134542
 Ion Ratio Lower Upper
 41 100
 42 55.2 55.8 83.6

Manual Integrations
 APPROVED

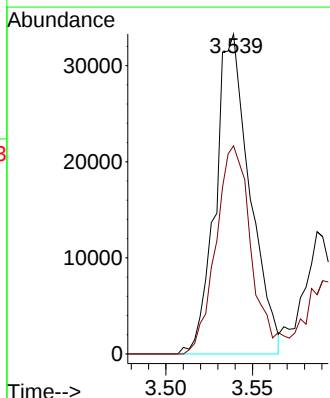
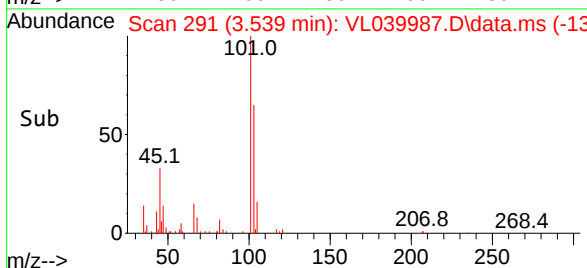
Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

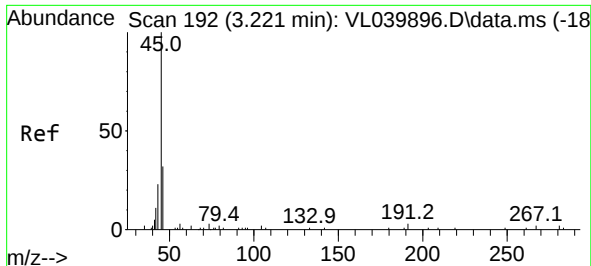


#11
 Trichlorofluoromethane
 Concen: 0.240 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. 0.010 min
 Lab File: VL039987.D
 Acq: 12 Dec 2022 22:25



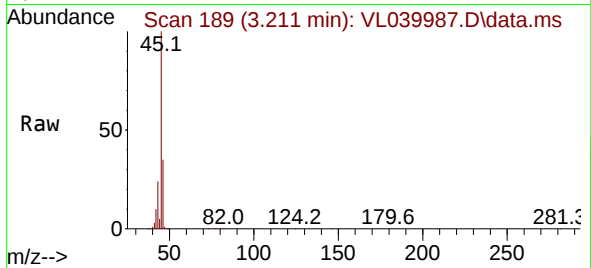
Tgt Ion:101 Resp: 46074
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.6 78.8





#13
Ethanol
Concen: 289.814 ppbv
RT: 3.211 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25

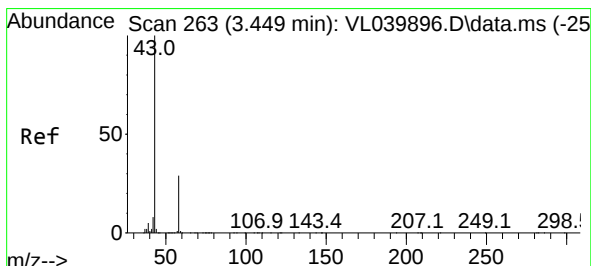
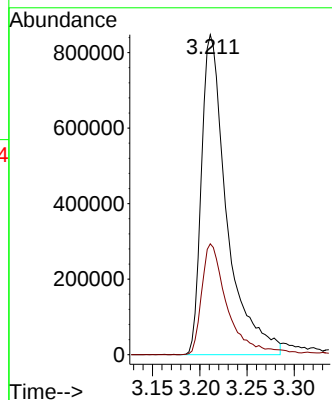
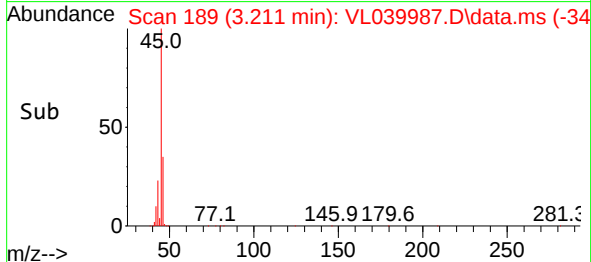
Instrument :
MSVOA_L
ClientSampleId :
IA-2



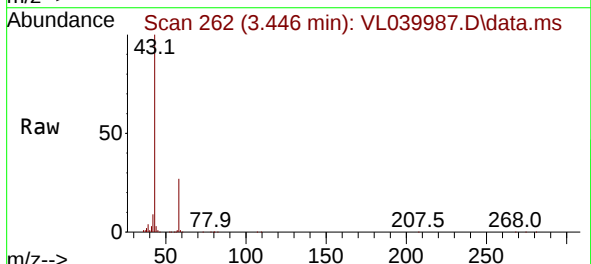
Tgt Ion: 45 Resp: 1581179
Ion Ratio Lower Upper
45 100
46 36.2 14.6 58.2

Manual Integrations
APPROVED

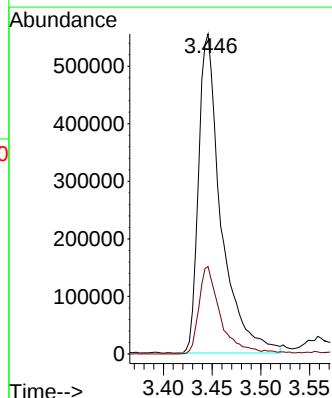
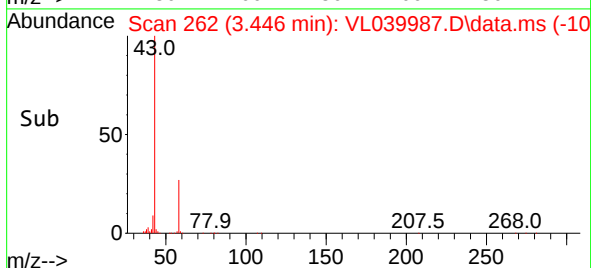
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

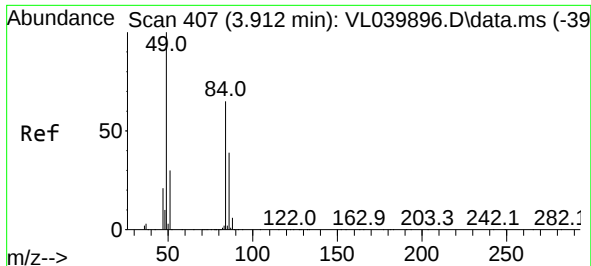


#15
Acetone
Concen: 6.100 ppbv
RT: 3.446 min Scan# 262
Delta R.T. 0.013 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25



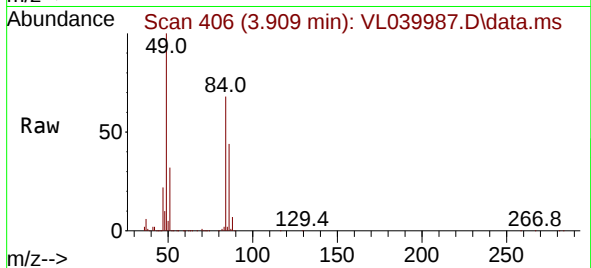
Tgt Ion: 43 Resp: 889535
Ion Ratio Lower Upper
43 100
58 26.8 22.9 34.3





#20
Methylene Chloride
Concen: 16.843 ppbv
RT: 3.909 min Scan# 406
Delta R.T. 0.013 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25

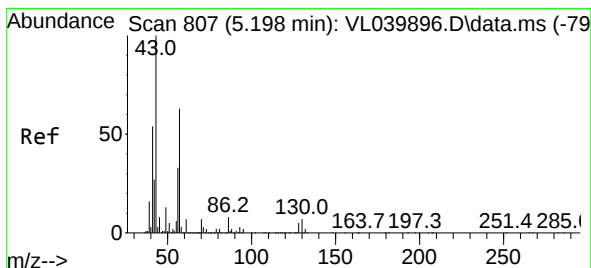
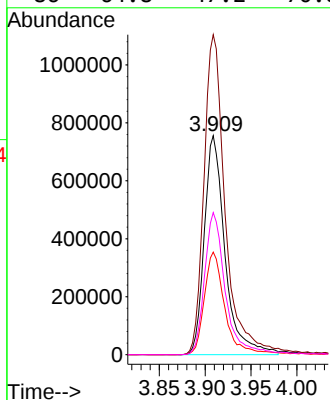
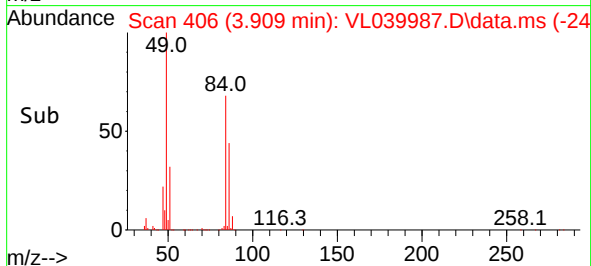
Instrument :
MSVOA_L
ClientSampleId :
IA-2



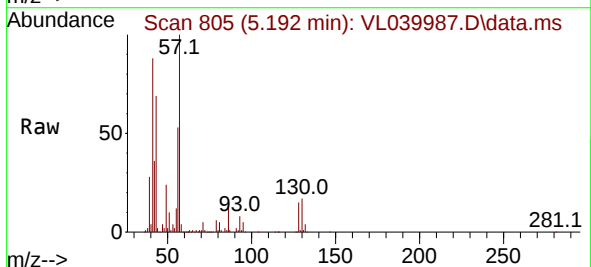
Tgt Ion: 84 Resp: 1189925
Ion Ratio Lower Upper
84 100
49 146.0 122.2 183.4
51 46.8 36.3 54.5
86 64.8 47.2 70.8

Manual Integrations
APPROVED

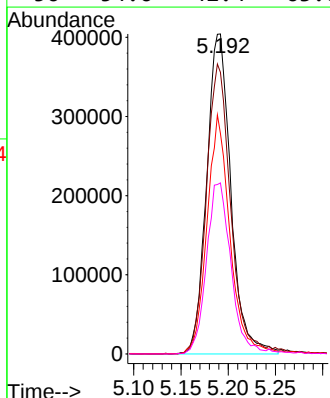
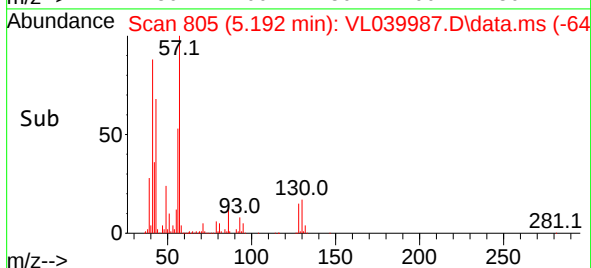
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

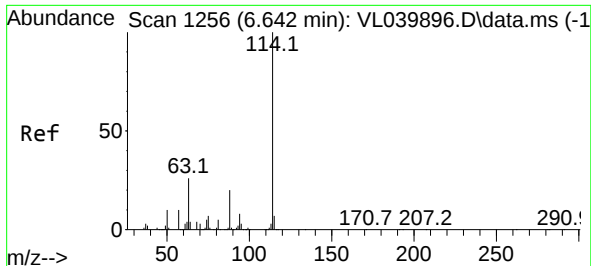


#26
Hexane
Concen: 6.173 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.016 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25



Tgt Ion: 57 Resp: 721998
Ion Ratio Lower Upper
57 100
41 92.6 72.3 108.5
43 71.1 188.7 283.1#
56 54.6 42.4 63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.629 min Scan# 114

Delta R.T. 0.010 min

Lab File: VL039987.D

Acq: 12 Dec 2022 22:25

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion:114 Resp: 2805628

Ion Ratio Lower Upper

114 100

63 25.8 21.4 32.0

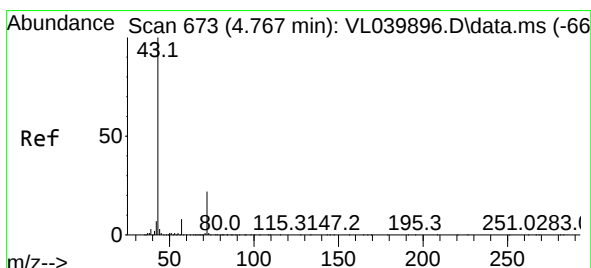
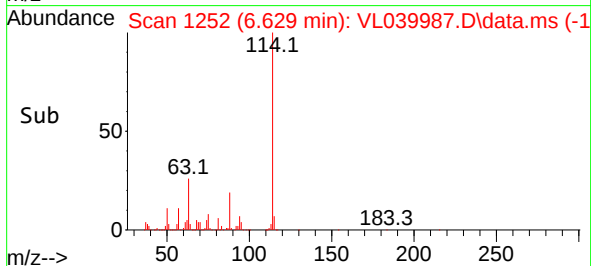
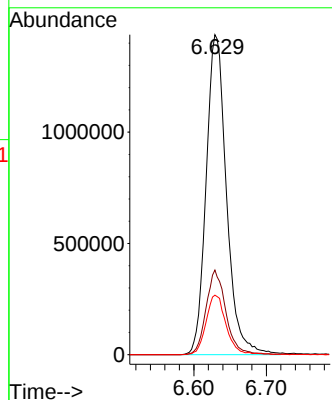
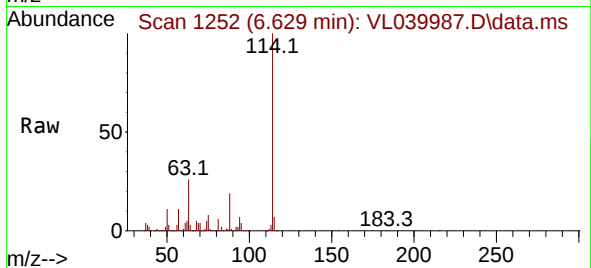
88 18.5 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#34

2-Butanone

Concen: 0.299 ppbv

RT: 4.767 min Scan# 673

Delta R.T. 0.016 min

Lab File: VL039987.D

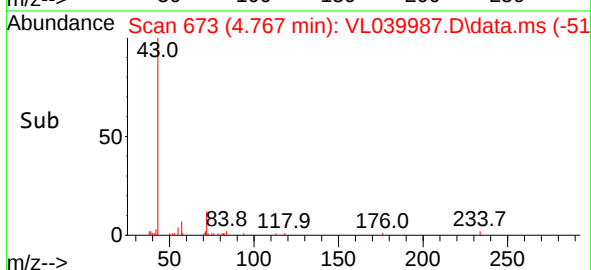
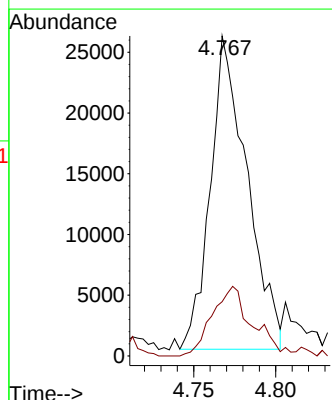
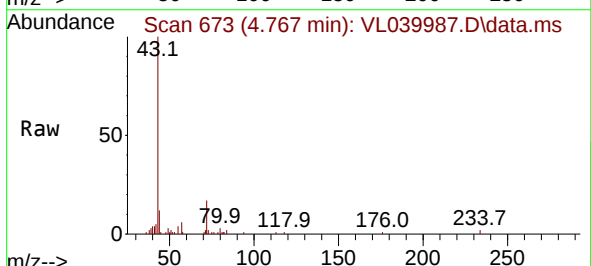
Acq: 12 Dec 2022 22:25

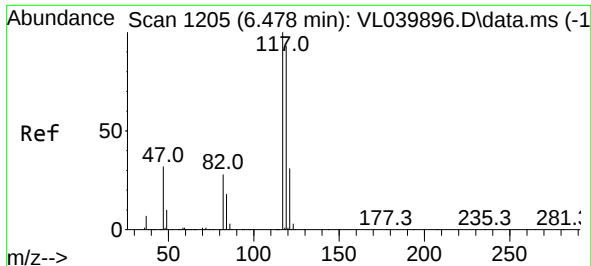
Tgt Ion: 43 Resp: 40143

Ion Ratio Lower Upper

43 100

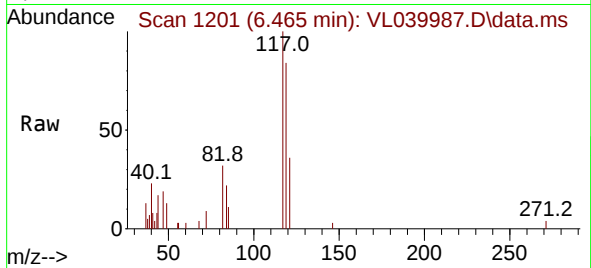
72 26.1 17.4 26.2





#35
Carbon Tetrachloride
Concen: 0.079 ppbv m
RT: 6.465 min Scan# 1157
Delta R.T. 0.010 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25

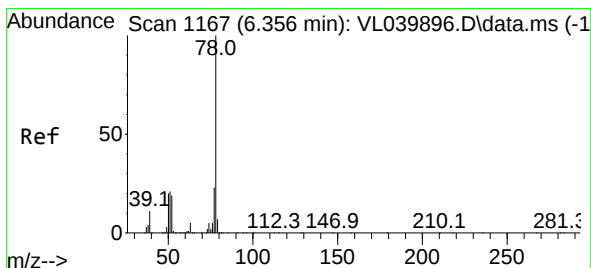
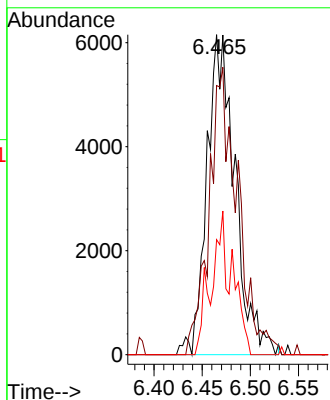
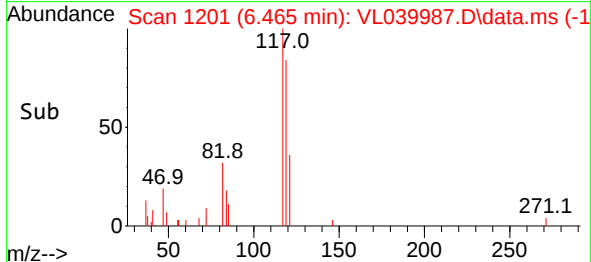
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 117 Resp: 1257
Ion Ratio Lower Upper
117 100
119 84.1 74.7 112.1
121 36.0 24.5 36.7

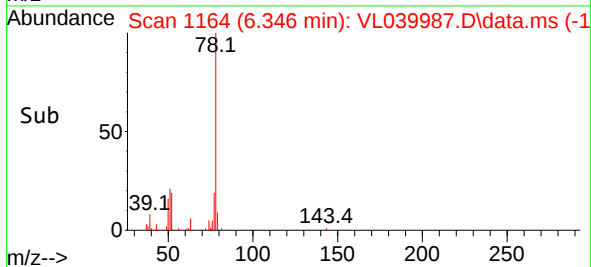
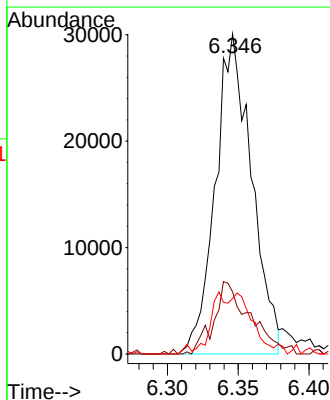
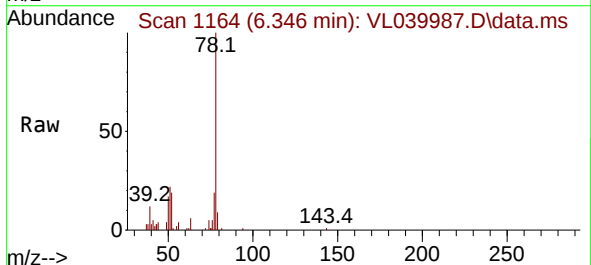
Manual Integrations
APPROVED

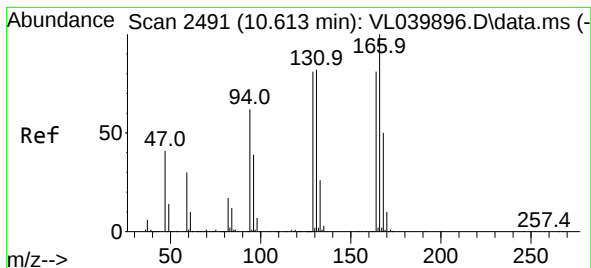
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#36
Benzene
Concen: 0.224 ppbv
RT: 6.346 min Scan# 1164
Delta R.T. 0.013 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25

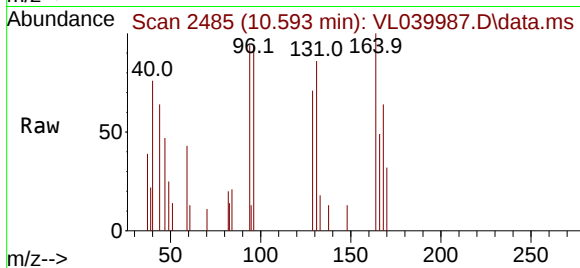
Tgt Ion: 78 Resp: 53484
Ion Ratio Lower Upper
78 100
77 19.4 18.2 27.2
50 17.3 15.8 23.8





#52
Tetrachloroethene
Concen: 0.030 ppbv m
RT: 10.593 min Scan# 2491
Delta R.T. 0.013 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25

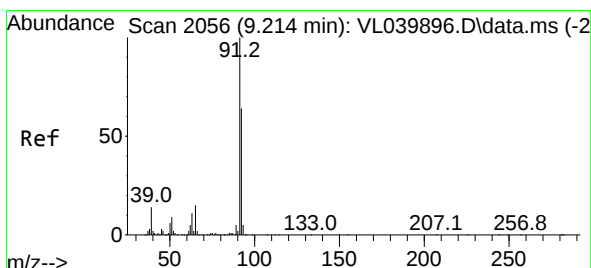
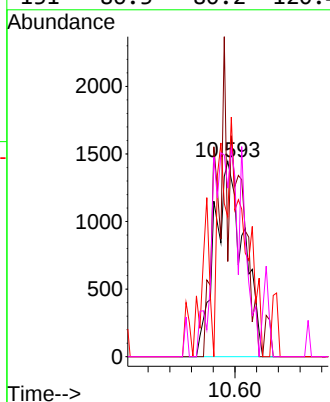
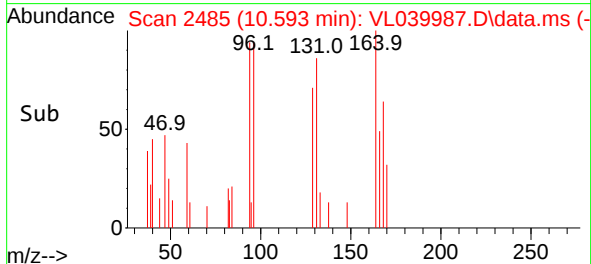
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion:164 Resp: 268
Ion Ratio Lower Upper
164 100
166 48.8 98.3 147.5
129 71.5 79.7 119.5
131 86.3 80.2 120.4

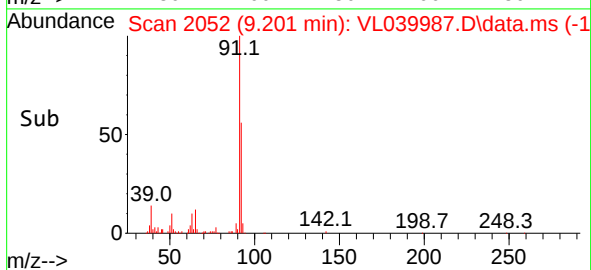
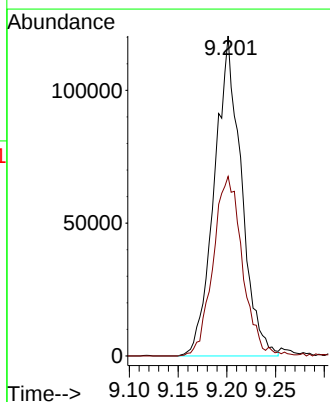
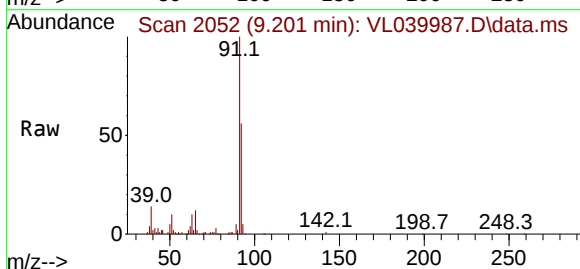
Manual Integrations
APPROVED

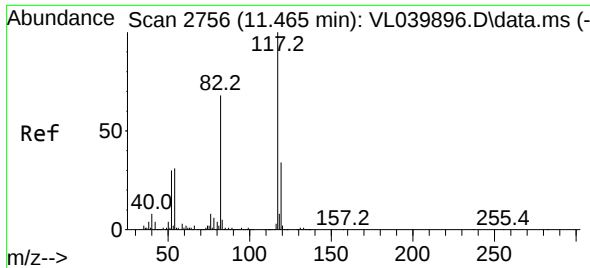
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#53
Toluene
Concen: 0.856 ppbv
RT: 9.201 min Scan# 2052
Delta R.T. 0.016 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25

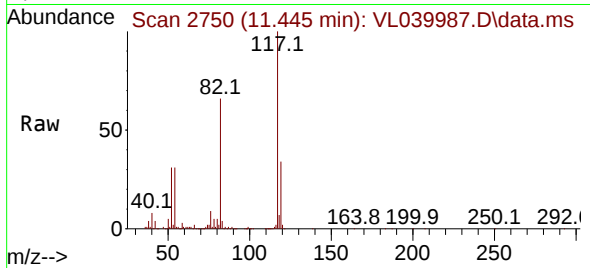
Tgt Ion: 91 Resp: 232424
Ion Ratio Lower Upper
91 100
92 61.3 49.8 74.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.445 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25

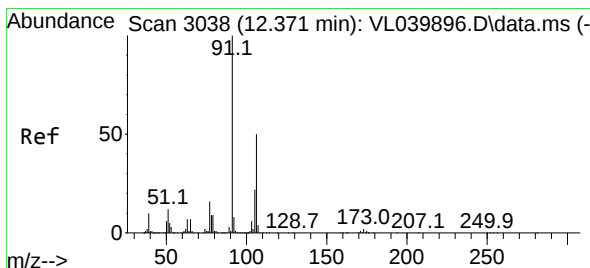
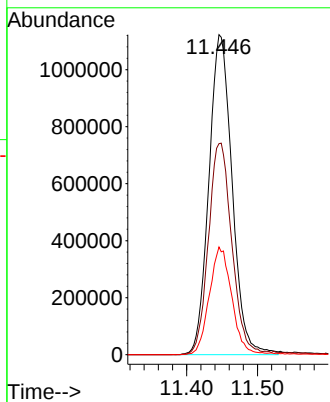
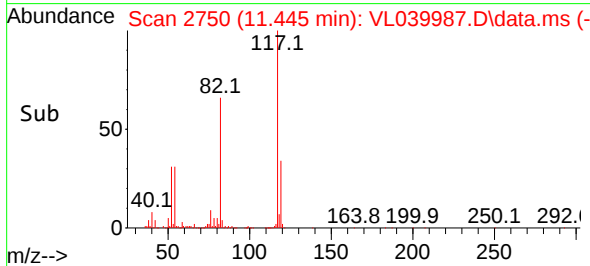
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 117 Resp: 256210
Ion Ratio Lower Upper
117 100
82 68.0 52.3 78.5
119 32.8 25.7 38.5

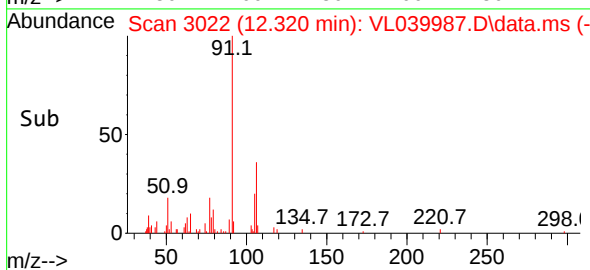
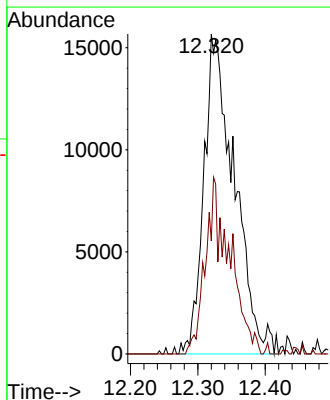
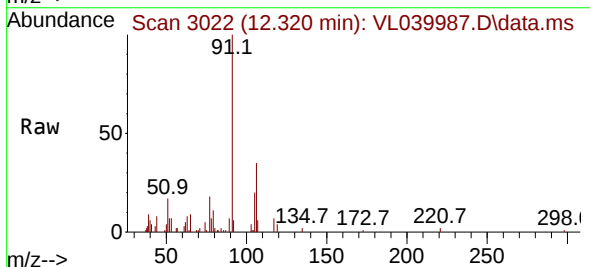
Manual Integrations
APPROVED

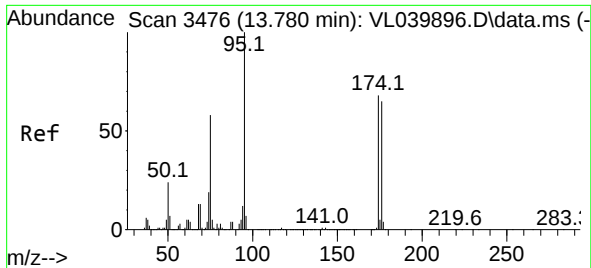
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#59
m/p-Xylene
Concen: 0.170 ppbv m
RT: 12.320 min Scan# 3022
Delta R.T. -0.019 min
Lab File: VL039987.D
Acq: 12 Dec 2022 22:25

Tgt Ion: 91 Resp: 49410
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.788 ppbv
 RT: 13.761 min Scan# 3476
 Delta R.T. 0.019 min
 Lab File: VL039987.D
 Acq: 12 Dec 2022 22:25

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Tgt Ion: 95 Resp: 211110
 Ion Ratio Lower Upper
 95 100
 174 59.8 53.7 80.5
 175 4.3 4.0 6.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

