

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
 Data File : VL040013.D
 Acq On : 13 Dec 2022 20:14
 Operator : SY/MD
 Sample : N5971-12DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3

Manual Integrations
 APPROVED

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

Quant Time: Dec 14 02:40:14 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2022

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	5.176	49	1028096	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.636	114	2808713	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2318797	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1725303	9.741	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	35827	0.243	ppbv	95
3) Chlorodifluoromethane	2.658	51	67194	0.474	ppbv #	91
4) Chloromethane	2.796	50	33314	0.367	ppbv #	83
9) Propene	2.681	41	87250	1.306	ppbv #	83
11) Trichlorofluoromethane	3.546	101	36538	0.203	ppbv	96
13) Ethanol	3.221	45	2287579	448.359	ppbv	99
15) Acetone	3.449	43	1222996	8.969	ppbv	98
20) Methylene Chloride	3.915	84	782792	11.849	ppbv	97
26) Hexane	5.195	57	471451	4.311	ppbv #	40
34) 2-Butanone	4.777	43	121242	0.902	ppbv	96
35) Carbon Tetrachloride	6.475	117	10238m	0.064	ppbv	
36) Benzene	6.349	78	50377	0.211	ppbv	99
52) Tetrachloroethene	10.594	164	2613m	0.029	ppbv	
53) Toluene	9.205	91	170202	0.626	ppbv	98
59) m/p-Xylene	12.336	91	58819m	0.223	ppbv	
60) o-Xylene	13.040	91	30322m	0.121	ppbv	

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

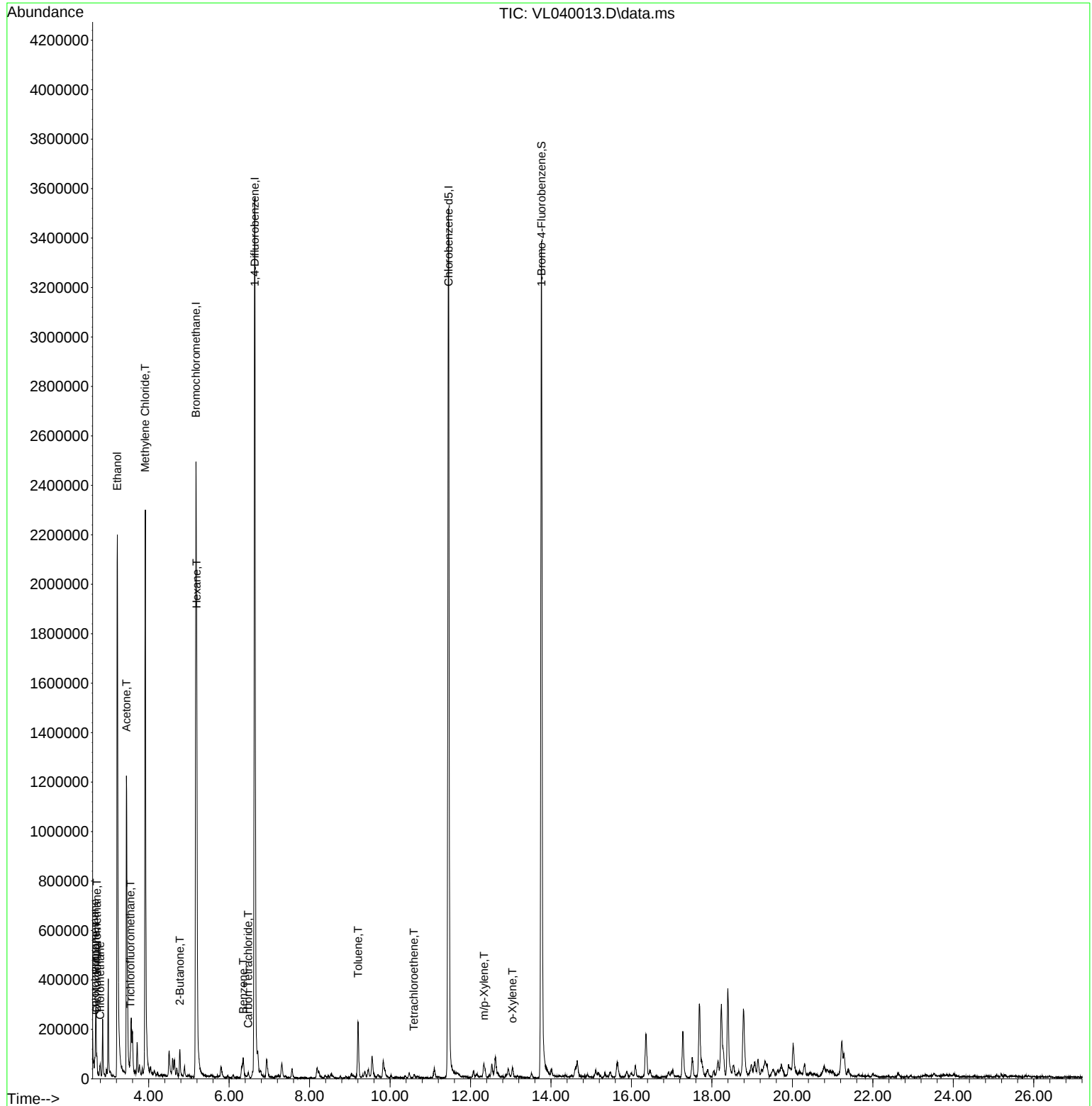
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
Data File : VL040013.D
Acq On : 13 Dec 2022 20:14
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Instrument :
MSVOA_L
ClientSampleId :
IA-3

Quant Time: Dec 14 02:40:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.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

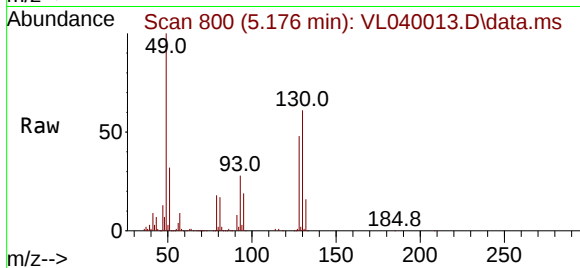
Reviewed By : Semsettin Yesilyurt 12/14/2022
Supervised By : Mahesh Dadoda 12/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.020 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

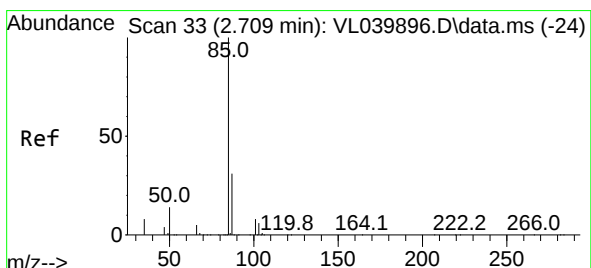
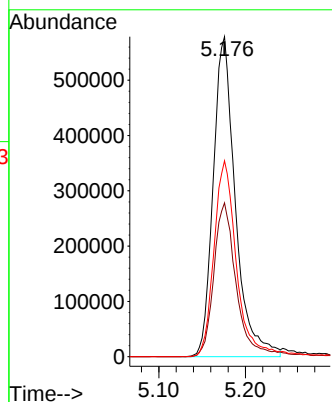
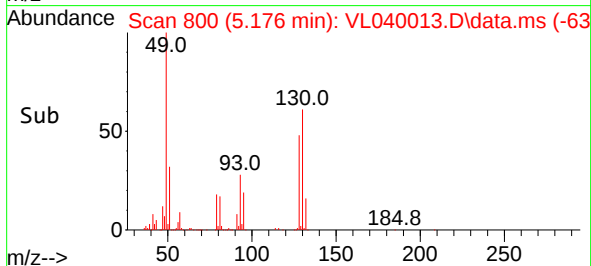
Instrument :
MSVOA_L
ClientSampleId :
IA-3



Tgt Ion: 49 Resp: 1028090
Ion Ratio Lower Upper
49 100
128 49.6 22.1 66.3
130 63.3 27.7 83.1

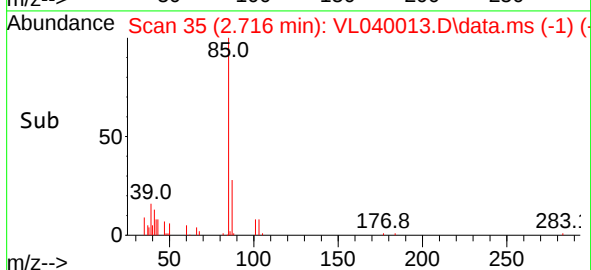
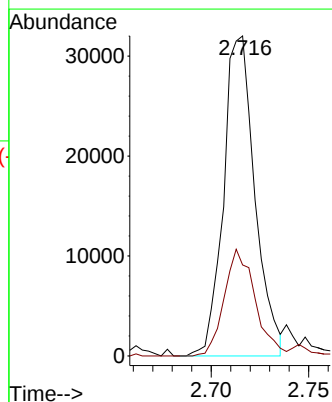
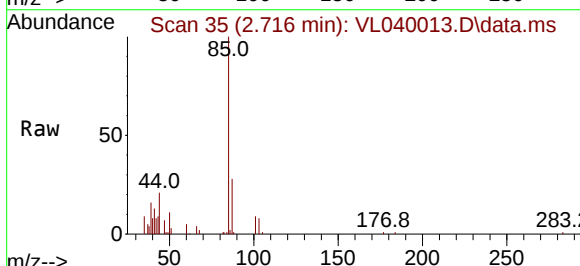
Manual Integrations
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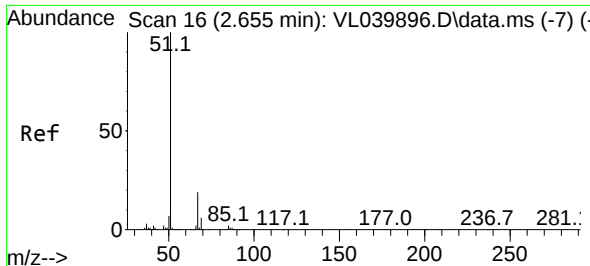
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#2
Dichlorodifluoromethane
Concen: 0.243 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.020 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

Tgt Ion: 85 Resp: 35827
Ion Ratio Lower Upper
85 100
87 28.5 25.0 37.4





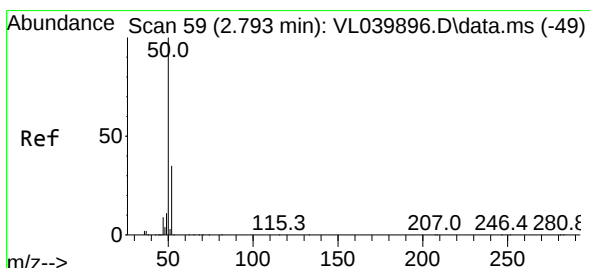
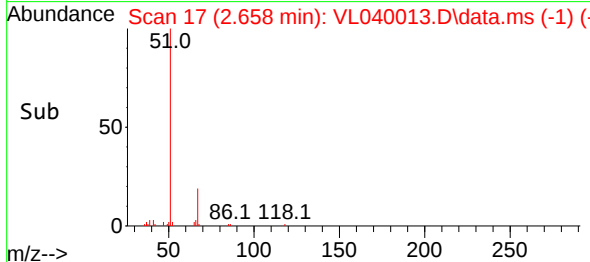
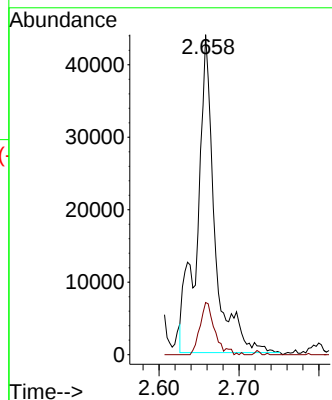
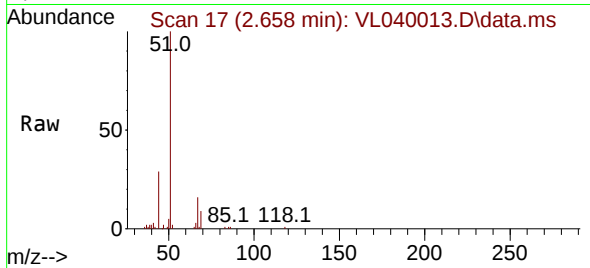
#3
Chlorodifluoromethane
Concen: 0.474 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 51 Resp: 67194
Ion Ratio Lower Upper
51 100
67 13.8 14.2 21.4

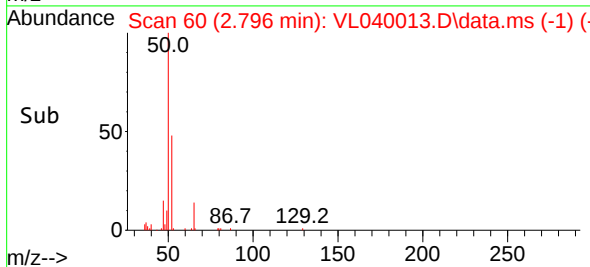
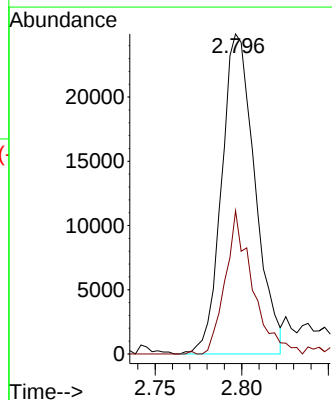
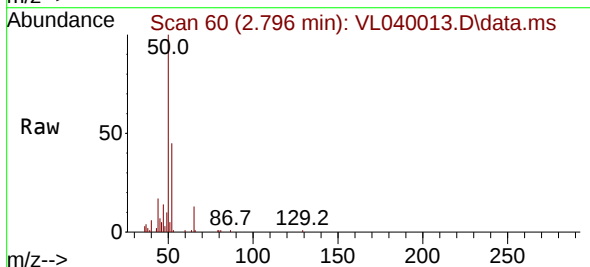
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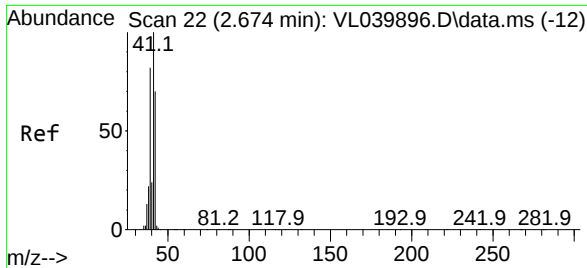
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#4
Chloromethane
Concen: 0.367 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.016 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

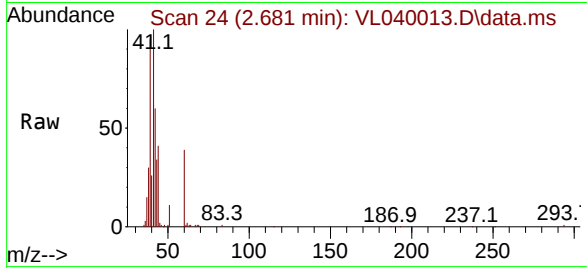
Tgt Ion: 50 Resp: 33314
Ion Ratio Lower Upper
50 100
52 44.8 27.8 41.8





#9
Propene
Concen: 1.306 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.019 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

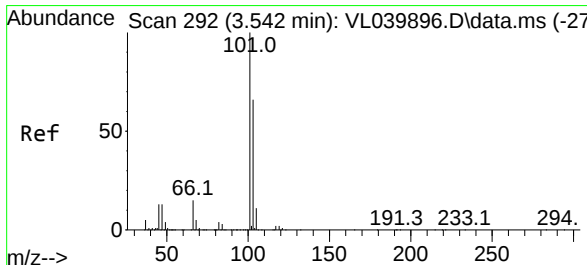
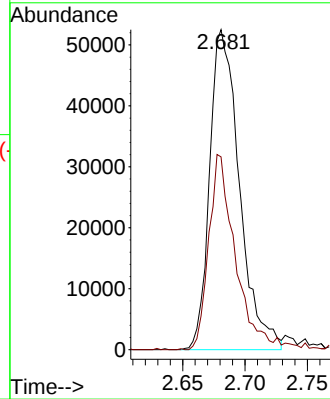
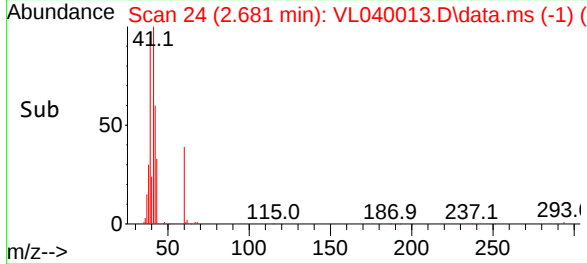
Instrument :
MSVOA_L
ClientSampleId :
IA-3



Tgt Ion: 41 Resp: 87250
Ion Ratio Lower Upper
41 100
42 55.5 55.8 83.6

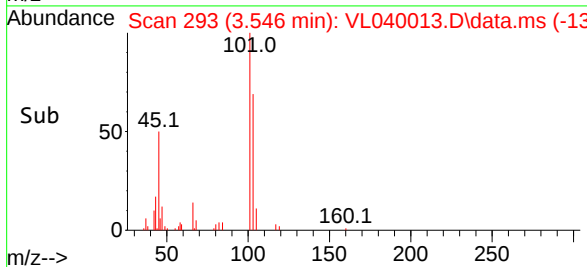
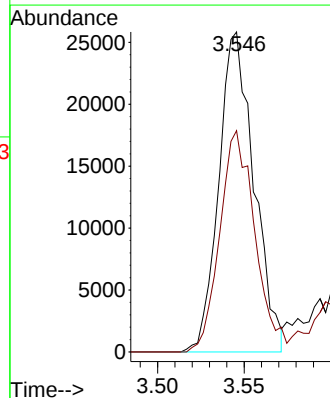
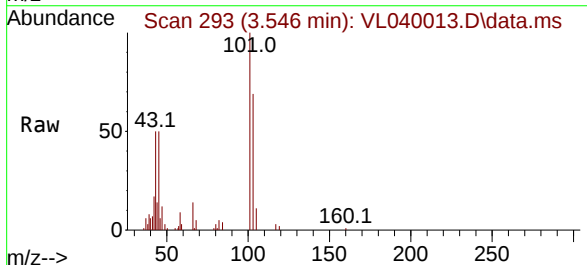
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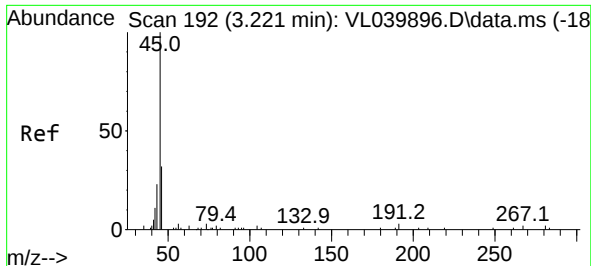
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#11
Trichlorofluoromethane
Concen: 0.203 ppbv
RT: 3.546 min Scan# 293
Delta R.T. 0.016 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

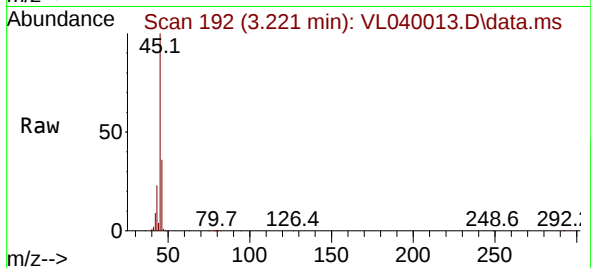
Tgt Ion:101 Resp: 36538
Ion Ratio Lower Upper
101 100
103 69.2 52.6 78.8





#13
Ethanol
Concen: 448.359 ppbv
RT: 3.221 min Scan# 192
Delta R.T. 0.007 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

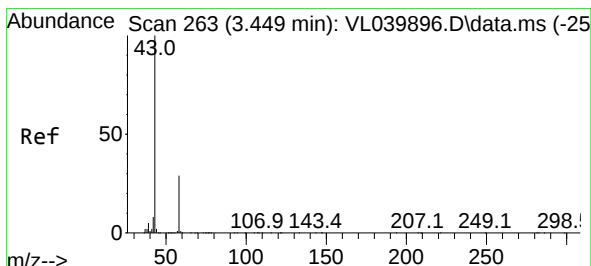
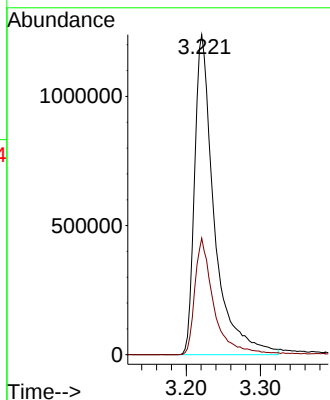
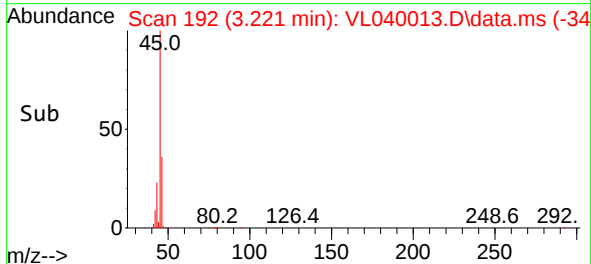
Instrument :
MSVOA_L
ClientSampleId :
IA-3



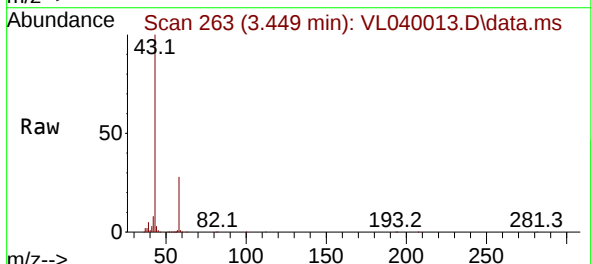
Tgt Ion: 45 Resp: 2287579
Ion Ratio Lower Upper
45 100
46 35.6 14.6 58.2

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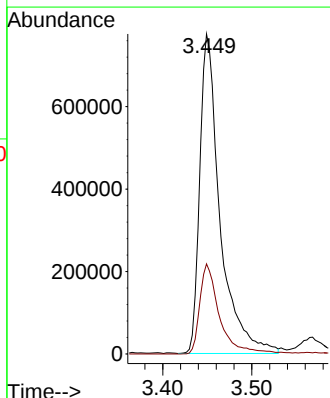
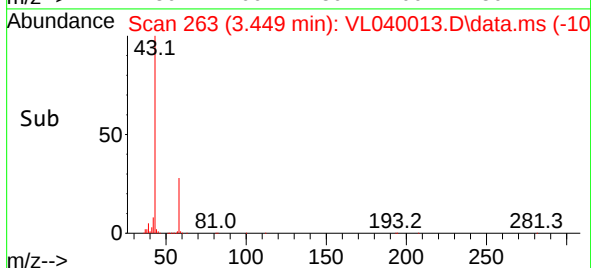
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

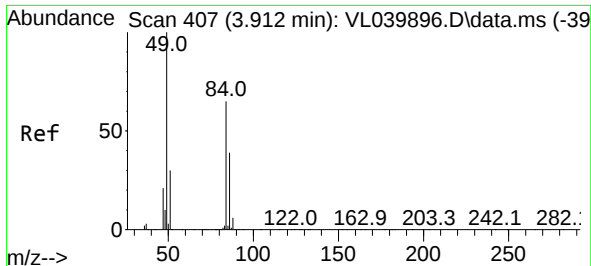


#15
Acetone
Concen: 8.969 ppbv
RT: 3.449 min Scan# 263
Delta R.T. 0.016 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14



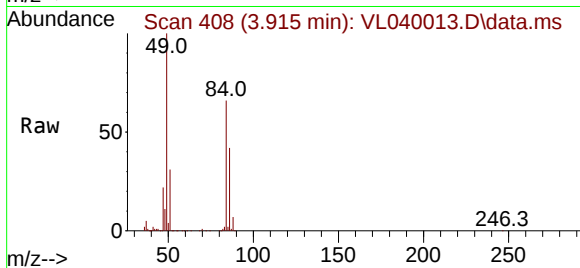
Tgt Ion: 43 Resp: 1222996
Ion Ratio Lower Upper
43 100
58 27.7 22.9 34.3





#20
Methylene Chloride
Concen: 11.849 ppbv
RT: 3.915 min Scan# 407
Delta R.T. 0.019 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

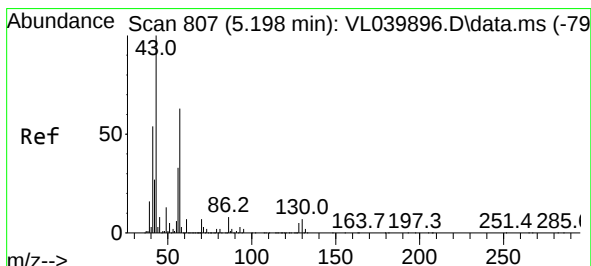
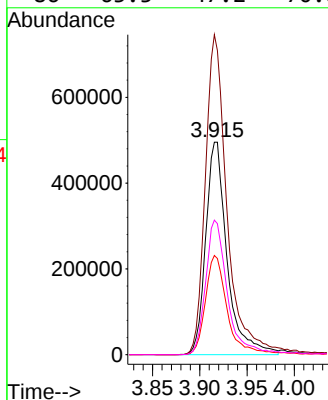
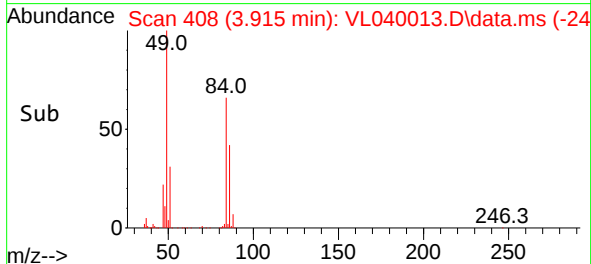
Instrument :
MSVOA_L
ClientSampleId :
IA-3



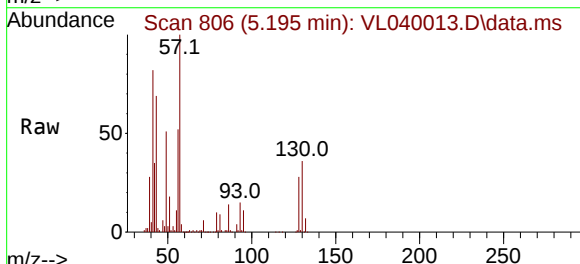
Tgt Ion: 84 Resp: 782792
Ion Ratio Lower Upper
84 100
49 150.6 122.2 183.4
51 46.6 36.3 54.5
86 63.3 47.2 70.8

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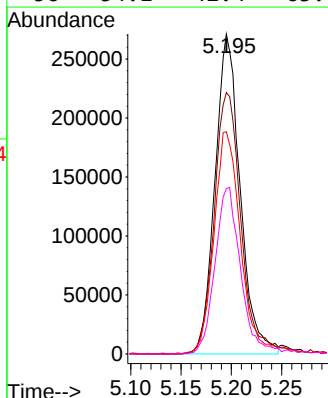
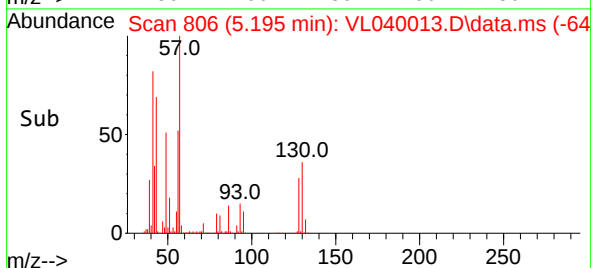
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

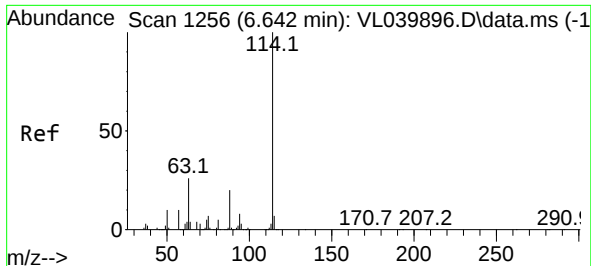


#26
Hexane
Concen: 4.311 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.019 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14



Tgt Ion: 57 Resp: 471451
Ion Ratio Lower Upper
57 100
41 88.6 72.3 108.5
43 74.9 188.7 283.1#
56 54.1 42.4 63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.636 min Scan# 114

Delta R.T. 0.016 min

Lab File: VL040013.D

Acq: 13 Dec 2022 20:14

Instrument :

MSVOA_L

ClientSampleId :

IA-3

Tgt Ion:114 Resp: 280871

Ion Ratio Lower Upper

114 100

63 24.3 21.4 32.0

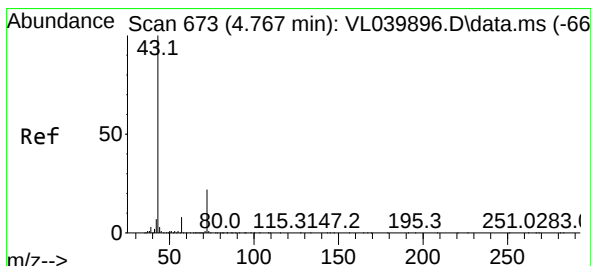
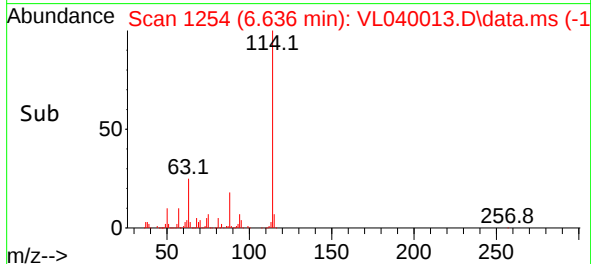
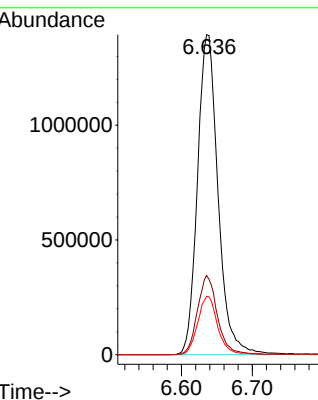
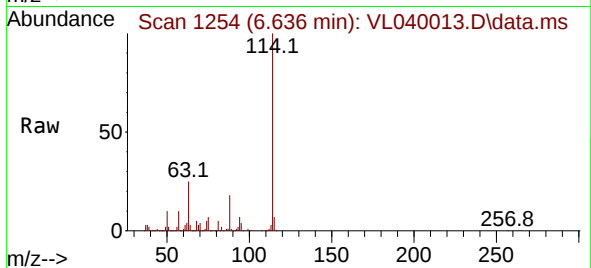
88 17.8 15.3 22.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#34

2-Butanone

Concen: 0.902 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.026 min

Lab File: VL040013.D

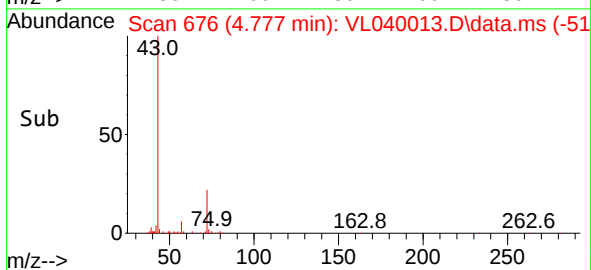
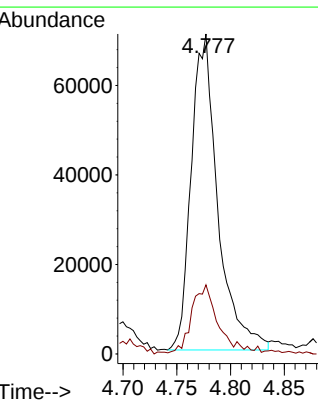
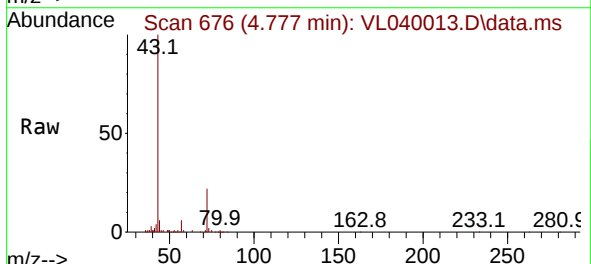
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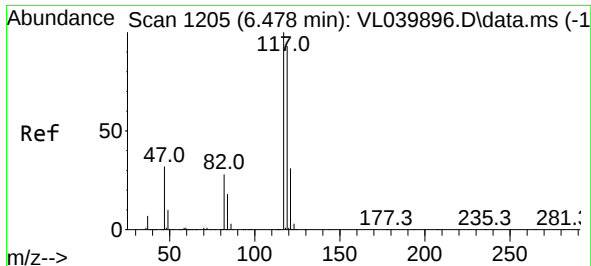
Tgt Ion: 43 Resp: 121242

Ion Ratio Lower Upper

43 100

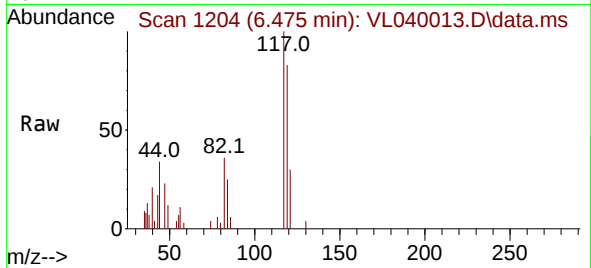
72 23.7 17.4 26.2





#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 6.475 min Scan# 1165
Delta R.T. 0.019 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

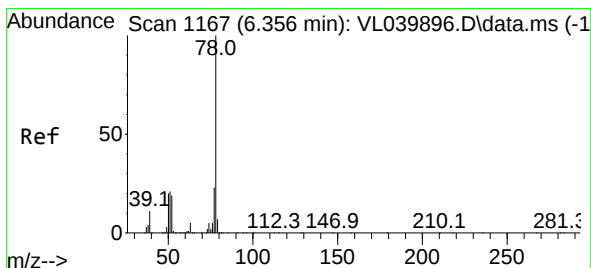
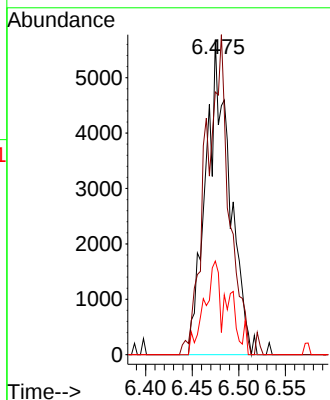
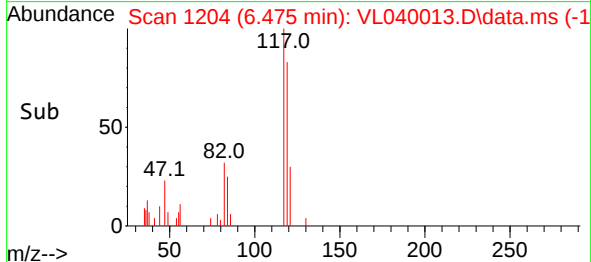
Instrument :
MSVOA_L
ClientSampleId :
IA-3



Tgt Ion: 117 Resp: 10238
Ion Ratio Lower Upper
117 100
119 83.4 74.7 112.1
121 29.7 24.5 36.7

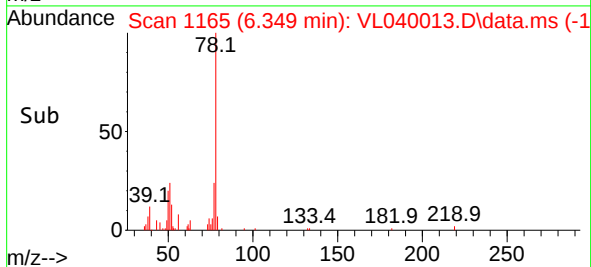
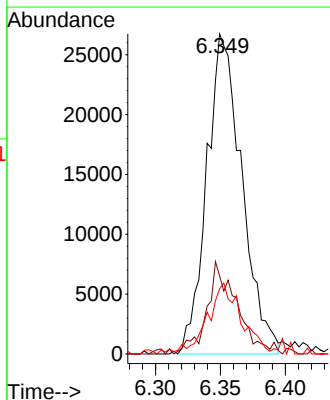
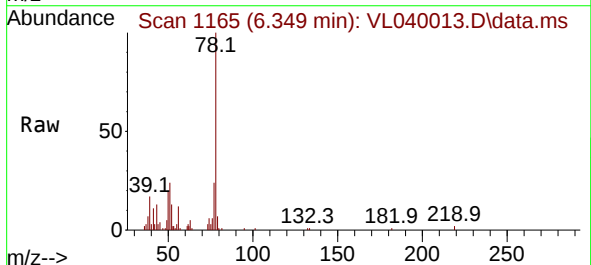
Manual Integrations
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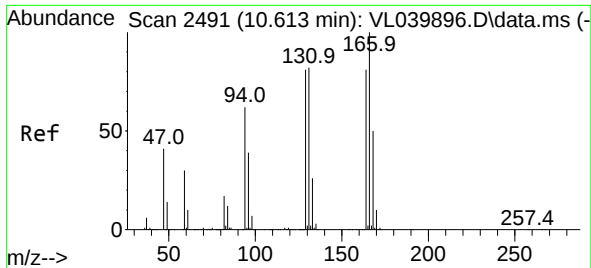
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#36
Benzene
Concen: 0.211 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.016 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

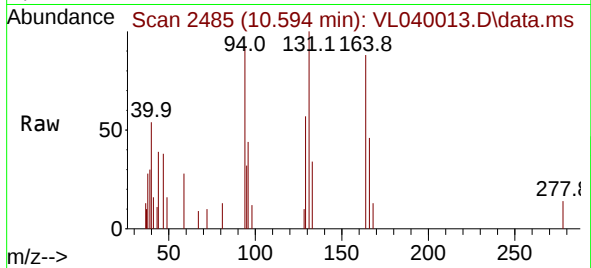
Tgt Ion: 78 Resp: 50377
Ion Ratio Lower Upper
78 100
77 23.6 18.2 27.2
50 19.3 15.8 23.8





#52
Tetrachloroethene
Concen: 0.029 ppbv m
RT: 10.594 min Scan# 2491
Delta R.T. 0.013 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

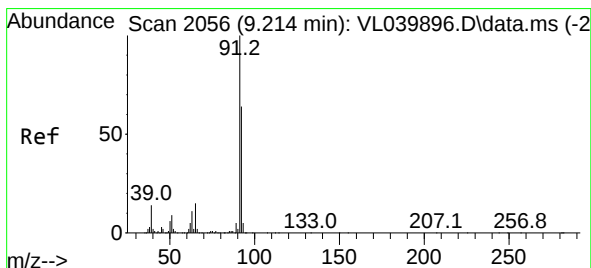
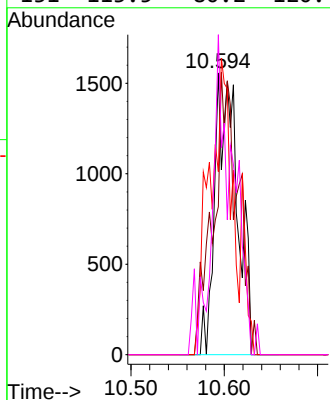
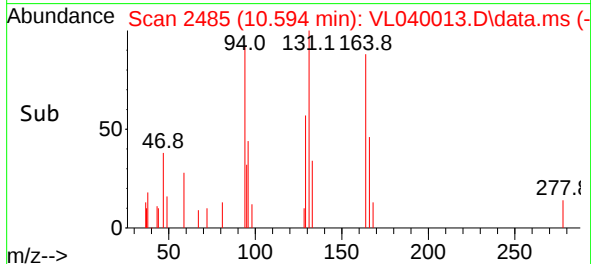
Instrument :
MSVOA_L
ClientSampleId :
IA-3



Tgt Ion:164 Resp: 261
Ion Ratio Lower Upper
164 100
166 52.5 98.3 147.5
129 65.0 79.7 119.5
131 113.5 80.2 120.4

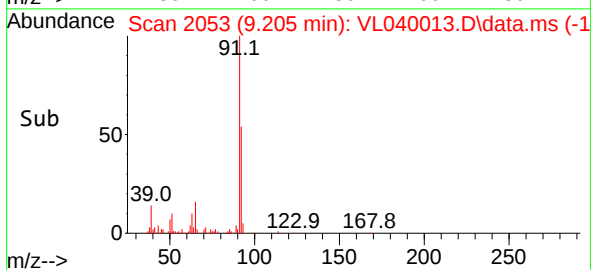
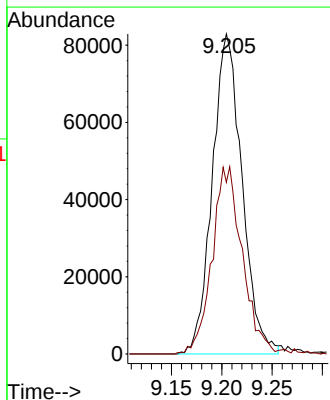
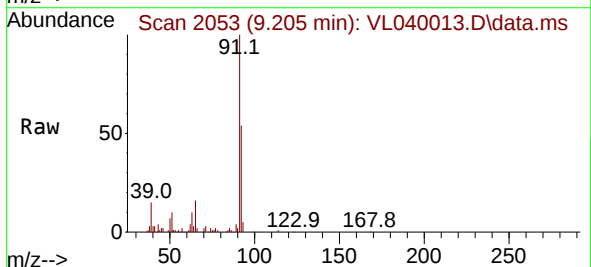
Manual Integrations
APPROVED

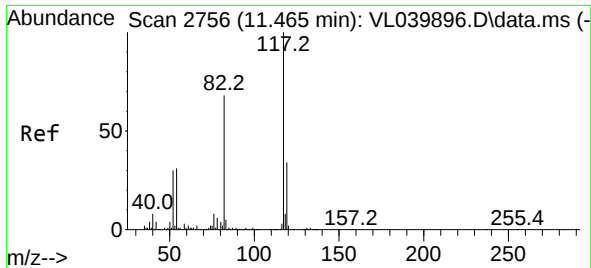
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#53
Toluene
Concen: 0.626 ppbv
RT: 9.205 min Scan# 2053
Delta R.T. 0.019 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

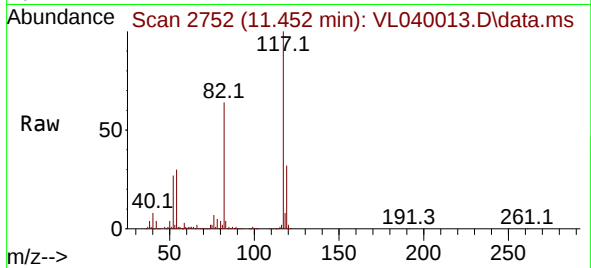
Tgt Ion: 91 Resp: 170202
Ion Ratio Lower Upper
91 100
92 60.4 49.8 74.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

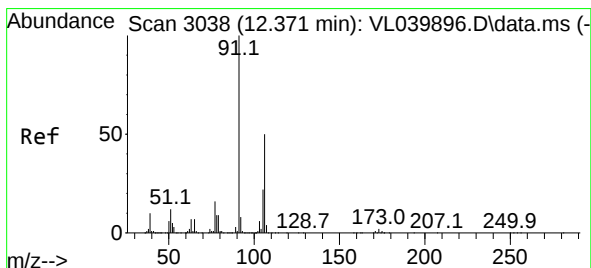
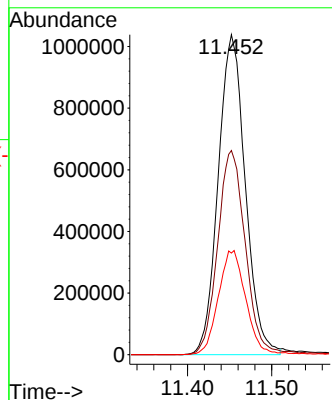
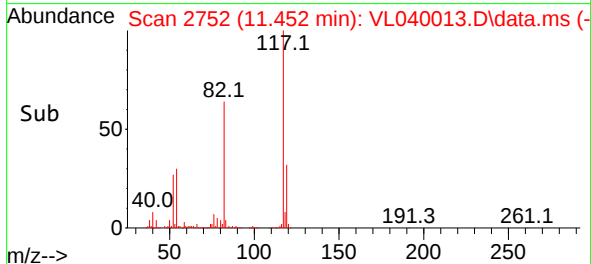
Instrument :
MSVOA_L
ClientSampleId :
IA-3



Tgt Ion:117 Resp: 231879
Ion Ratio Lower Upper
117 100
82 65.8 52.3 78.5
119 33.5 25.7 38.5

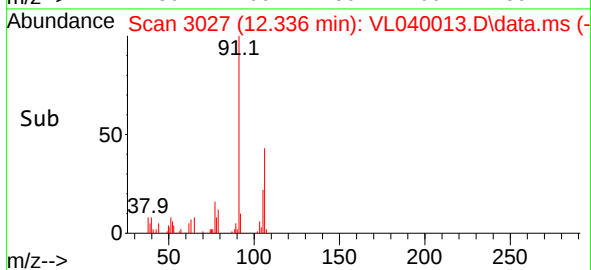
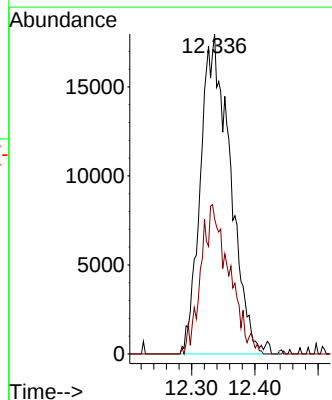
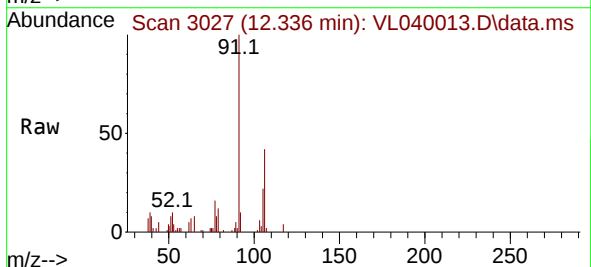
Manual Integrations
APPROVED

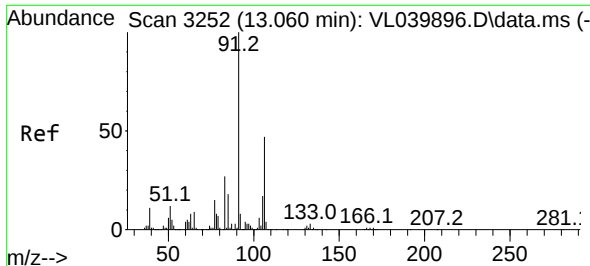
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#59
m/p-Xylene
Concen: 0.223 ppbv m
RT: 12.336 min Scan# 3027
Delta R.T. -0.003 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

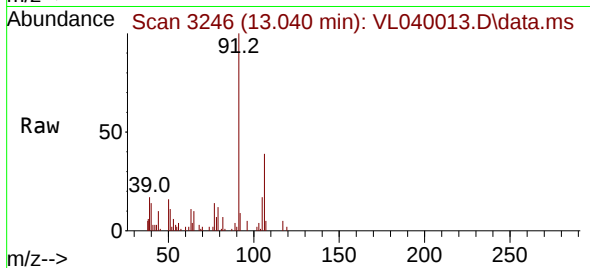
Tgt Ion: 91 Resp: 58819
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6#





#60
o-Xylene
Concen: 0.121 ppbv m
RT: 13.040 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14

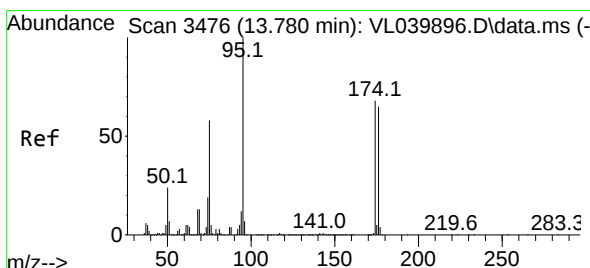
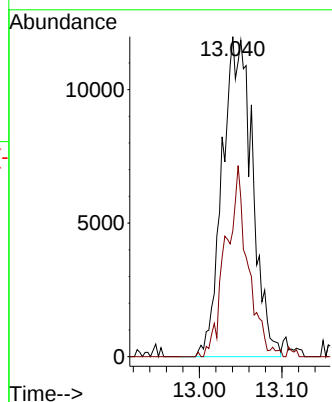
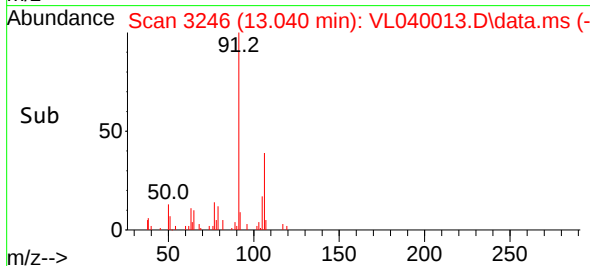
Instrument :
MSVOA_L
ClientSampleId :
IA-3



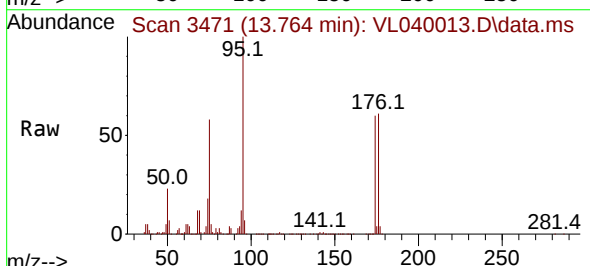
Tgt Ion: 91 Resp: 3032
Ion Ratio Lower Upper
91 100
106 0.0 23.2 69.6

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 9.741 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.023 min
Lab File: VL040013.D
Acq: 13 Dec 2022 20:14



Tgt Ion: 95 Resp: 1725303
Ion Ratio Lower Upper
95 100
174 62.5 53.7 80.5
175 4.5 4.0 6.0

