

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL041003.D
 Acq On : 23 Jan 2024 19:29
 Operator : SY/MD
 Sample : P1212-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

Quant Time: Jan 24 01:01:14 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Jan 24 00:50:15 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.160	49	1068094	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.616	114	2670827	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.420	117	2263377	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.732	95	1667512	9.754	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.700	85	102374	0.434	ppbv	97
3) Chlorodifluoromethane	2.645	51	35849m	0.200	ppbv	
4) Chloromethane	2.784	50	27435	0.407	ppbv	91
9) Propene	2.674	41	85943m	1.458	ppbv	
11) Trichlorofluoromethane	3.529	101	37102	0.195	ppbv	93
13) Ethanol	3.211	45	188422	13.417	ppbv	94
15) Acetone	3.430	43	6135518	44.920	ppbv	98
20) Methylene Chloride	3.902	84	1065344	20.270	ppbv	95
26) Hexane	5.176	57	1146372	10.859	ppbv #	38
29) Chloroform	5.243	83	10611	0.057	ppbv	91
30) Cyclohexane	6.558	84	45456	0.514	ppbv	91
34) 2-Butanone	4.745	43	5499765	43.223	ppbv	98
35) Carbon Tetrachloride	6.452	117	11062m	0.062	ppbv	
36) Benzene	6.330	78	66571	0.302	ppbv	93
41) Tetrahydrofuran	5.507	42	11083041	128.284	ppbv	89
44) 2,2,4-Trimethylpentane	7.288	57	32584m	0.088	ppbv	
53) Toluene	9.185	91	64409m	0.267	ppbv	
59) m/p-Xylene	12.291	91	30137m	0.114	ppbv	

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

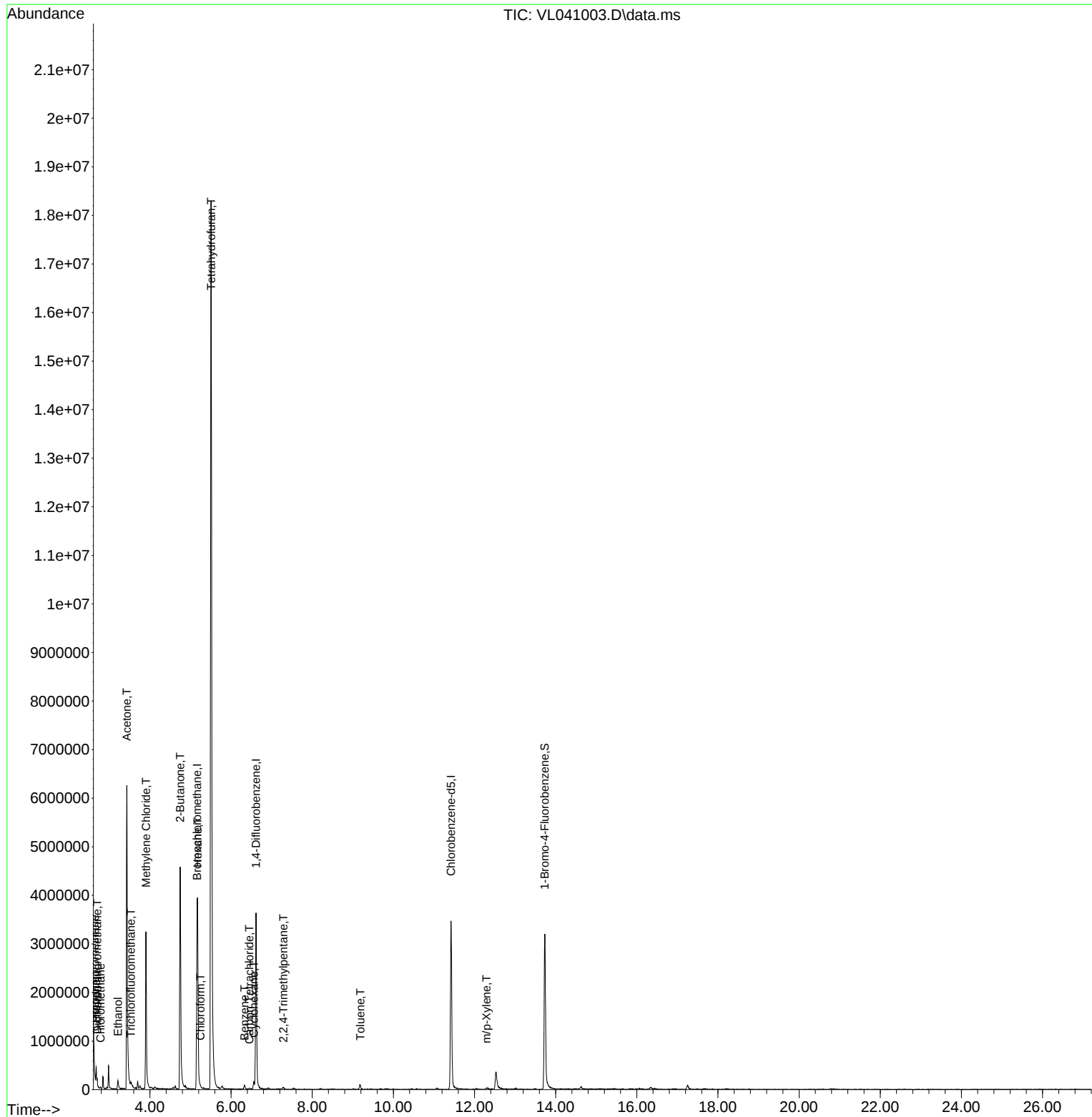
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
Data File : VL041003.D
Acq On : 23 Jan 2024 19:29
Operator : SY/MD
Sample : P1212-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

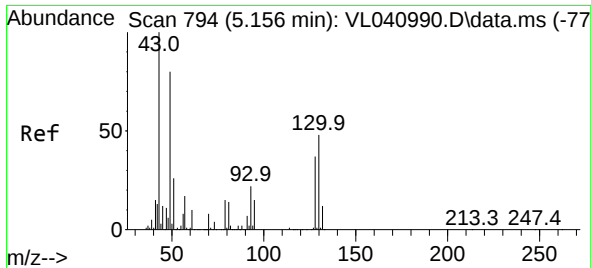
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Jan 24 01:01:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jan 24 00:50:15 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

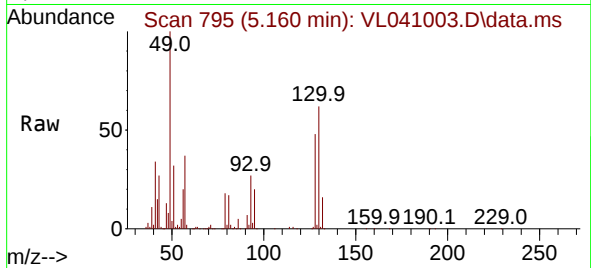
Reviewed By : Semsettin Yesilyurt 01/24/2024
Supervised By : Mahesh Dadoda 01/24/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.160 min Scan# 794
Delta R.T. 0.004 min
Lab File: VL041003.D
Acq: 23 Jan 2024 19:29

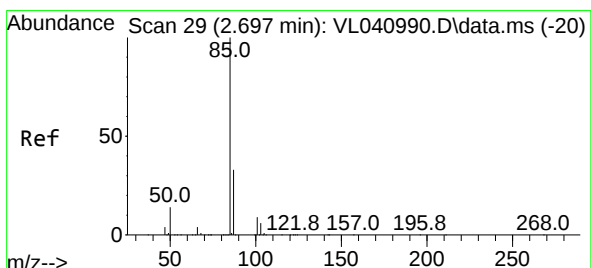
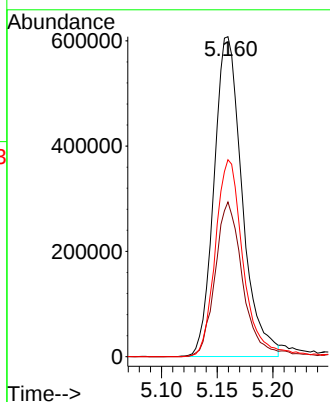
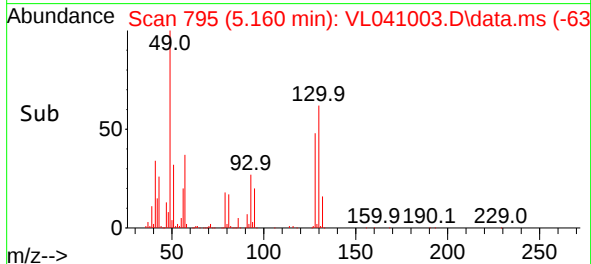
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 1068094
Ion Ratio Lower Upper
49 100
128 48.6 23.9 71.7
130 61.5 31.1 93.5

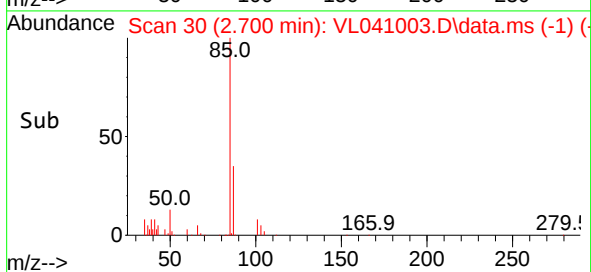
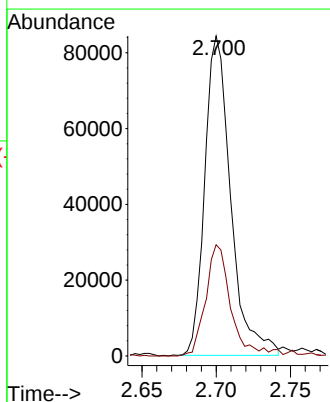
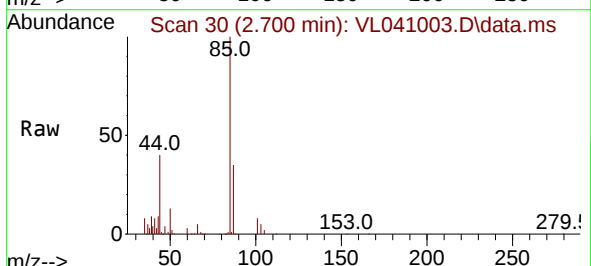
Manual Integrations
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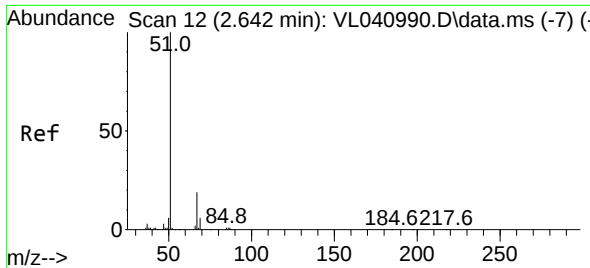
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#2
Dichlorodifluoromethane
Concen: 0.434 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL041003.D
Acq: 23 Jan 2024 19:29

Tgt Ion: 85 Resp: 102374
Ion Ratio Lower Upper
85 100
87 34.8 26.3 39.5





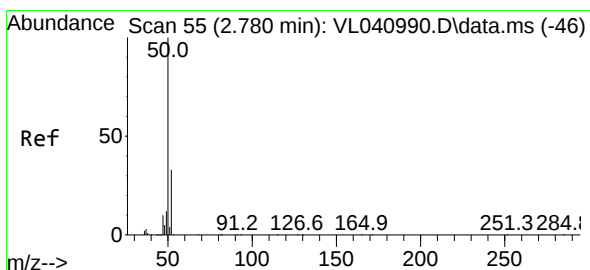
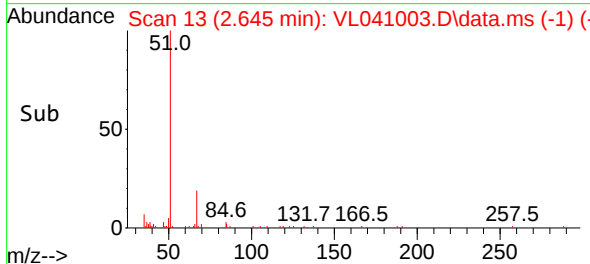
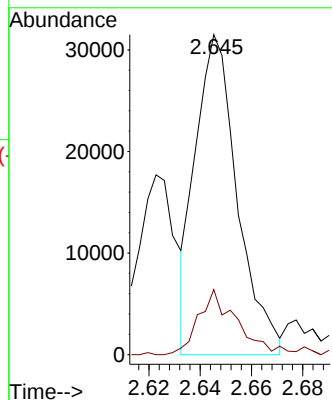
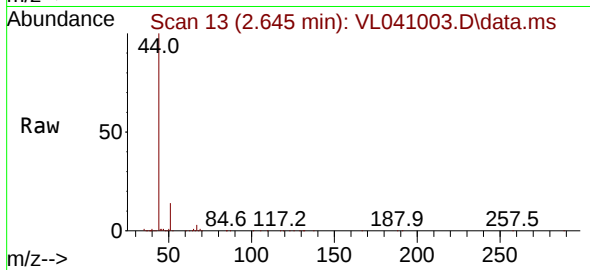
#3
Chlorodifluoromethane
Concen: 0.200 ppbv m
RT: 2.645 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041003.D
Acq: 23 Jan 2024 19:29

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 35849
Ion Ratio Lower Upper
51 100
67 19.8 14.8 22.2

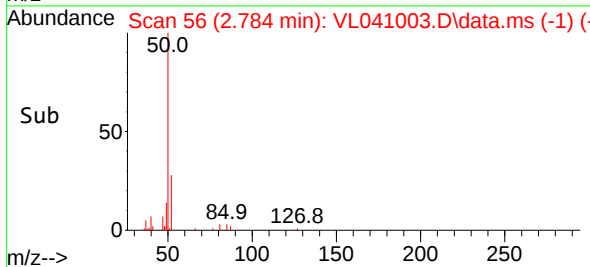
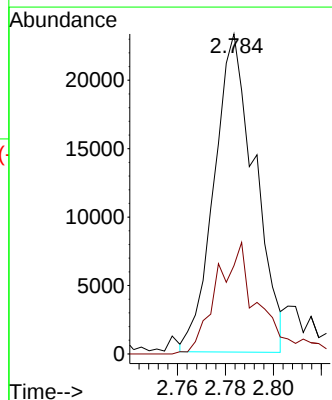
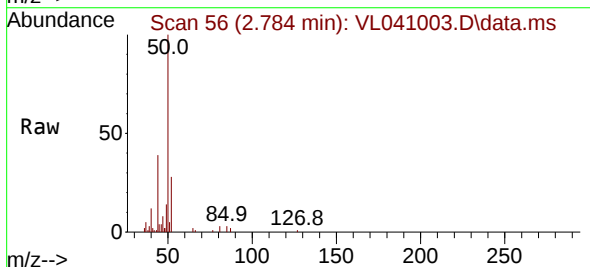
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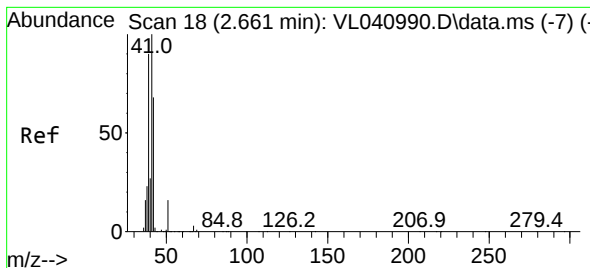
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#4
Chloromethane
Concen: 0.407 ppbv
RT: 2.784 min Scan# 56
Delta R.T. 0.003 min
Lab File: VL041003.D
Acq: 23 Jan 2024 19:29

Tgt Ion: 50 Resp: 27435
Ion Ratio Lower Upper
50 100
52 27.7 26.2 39.4





#9

Propene

Concen: 1.458 ppbv m

RT: 2.674 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL041003.D

Acq: 23 Jan 2024 19:29

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 8594

Ion Ratio Lower Upper

41 100

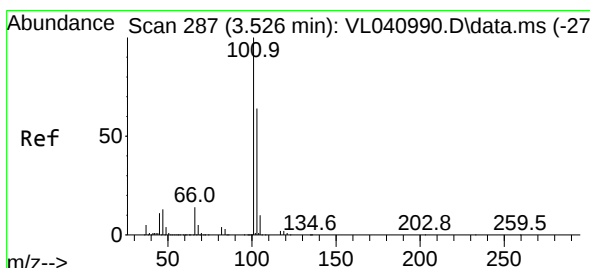
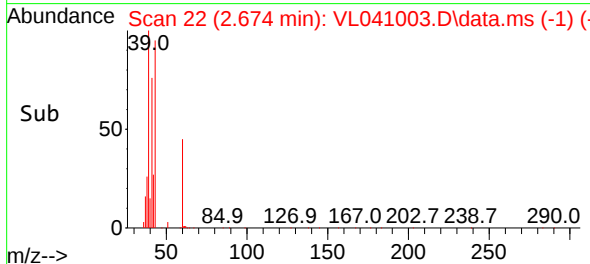
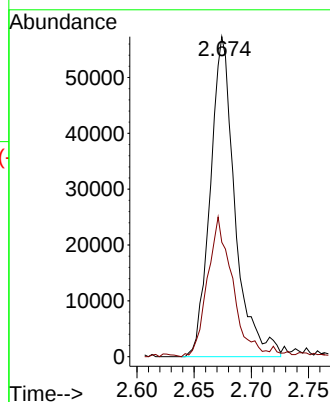
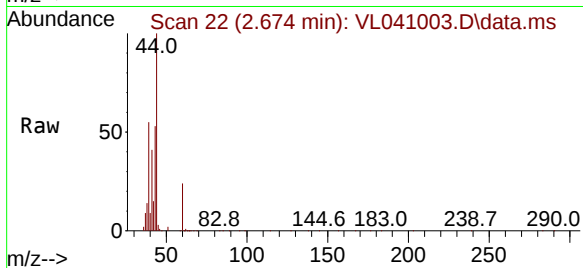
42 51.6 59.0 88.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#11

Trichlorofluoromethane

Concen: 0.195 ppbv

RT: 3.529 min Scan# 288

Delta R.T. 0.003 min

Lab File: VL041003.D

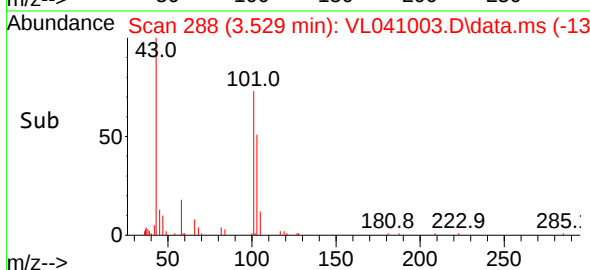
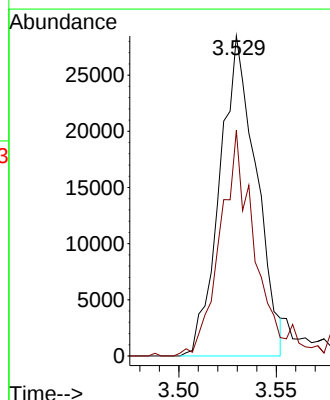
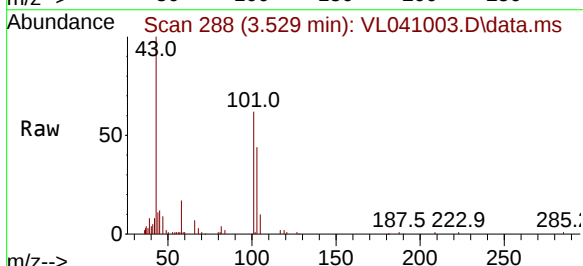
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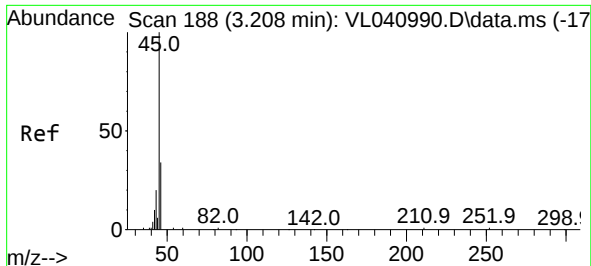
Tgt Ion:101 Resp: 37102

Ion Ratio Lower Upper

101 100

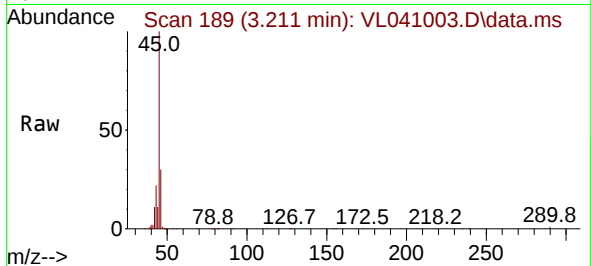
103 69.7 51.4 77.2





#13
Ethanol
Concen: 13.417 ppbv
RT: 3.211 min Scan# 189
Delta R.T. 0.003 min
Lab File: VL041003.D
Acq: 23 Jan 2024 19:29

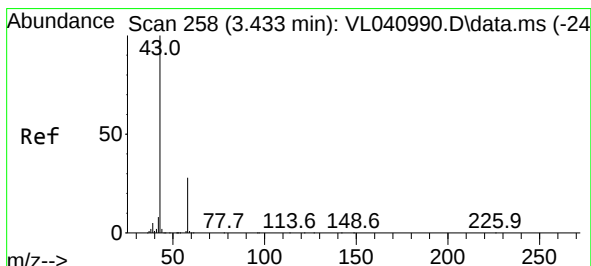
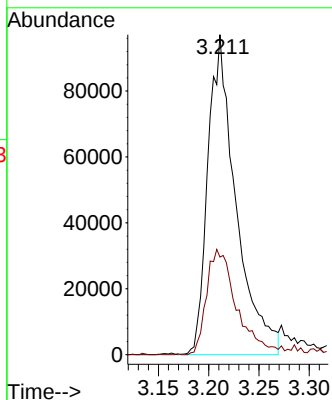
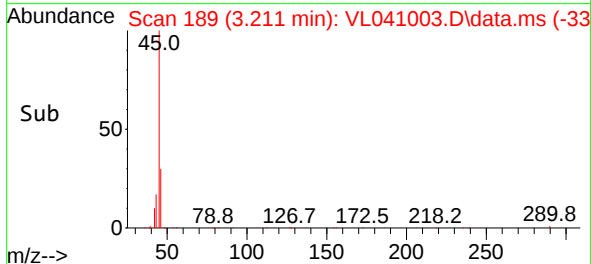
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 18842
Ion Ratio Lower Upper
45 100
46 36.6 16.2 64.8

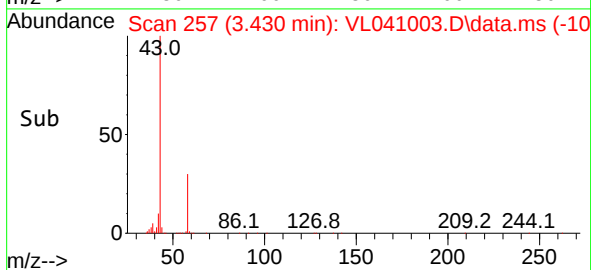
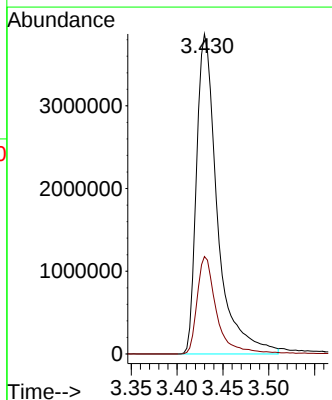
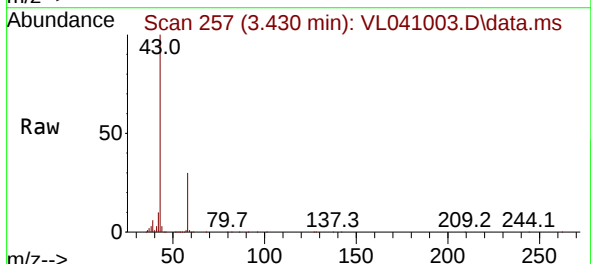
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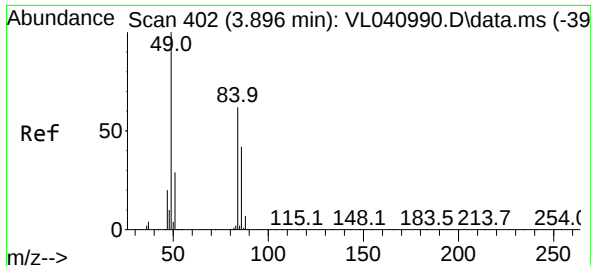
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#15
Acetone
Concen: 44.920 ppbv
RT: 3.430 min Scan# 257
Delta R.T. -0.003 min
Lab File: VL041003.D
Acq: 23 Jan 2024 19:29

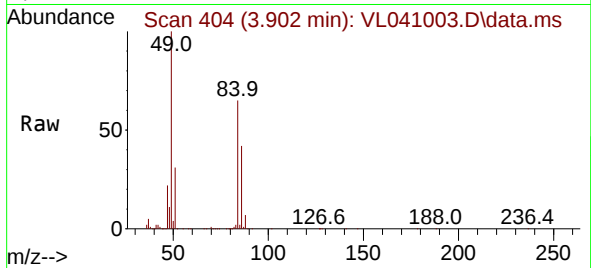
Tgt Ion: 43 Resp: 6135518
Ion Ratio Lower Upper
43 100
58 29.0 22.2 33.2





#20
Methylene Chloride
Concen: 20.270 ppbv
RT: 3.902 min Scan# 40
Delta R.T. 0.006 min
Lab File: VL041003.D
Acq: 23 Jan 2024 19:29

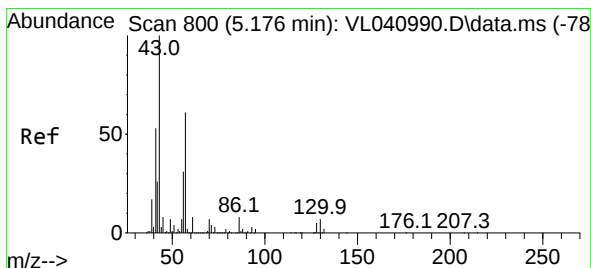
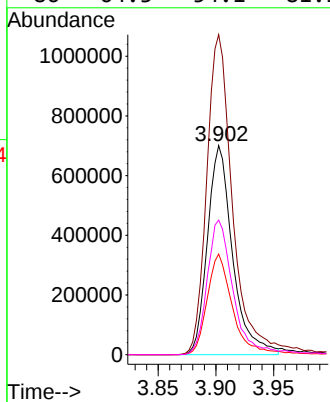
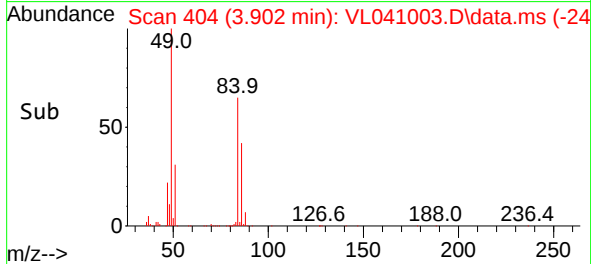
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 84 Resp: 1065344
Ion Ratio Lower Upper
84 100
49 152.9 128.1 192.1
51 48.1 36.5 54.7
86 64.3 54.1 81.1

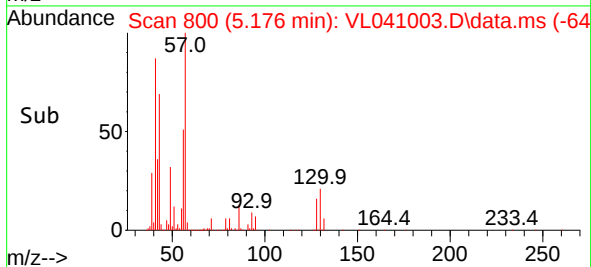
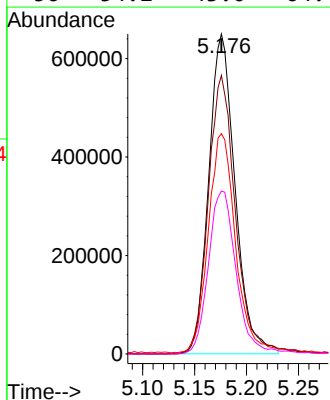
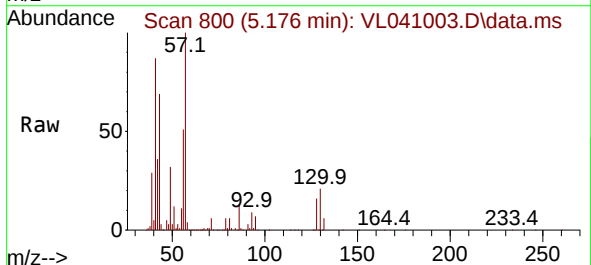
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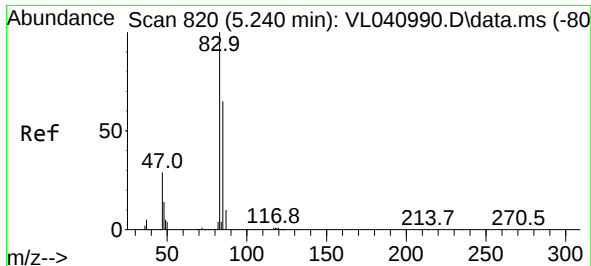
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#26
Hexane
Concen: 10.859 ppbv
RT: 5.176 min Scan# 800
Delta R.T. -0.000 min
Lab File: VL041003.D
Acq: 23 Jan 2024 19:29

Tgt Ion: 57 Resp: 1146372
Ion Ratio Lower Upper
57 100
41 91.1 74.4 111.6
43 71.7 190.6 285.8#
56 54.2 43.0 64.4





#29

Chloroform

Concen: 0.057 ppbv

RT: 5.243 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041003.D

Acq: 23 Jan 2024 19:29

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 83 Resp: 1061

Ion Ratio Lower Upper

83 100

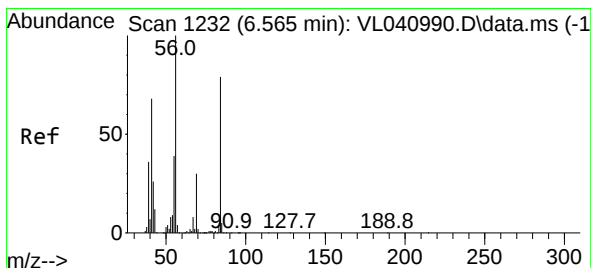
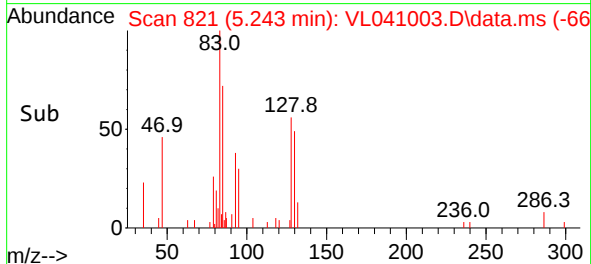
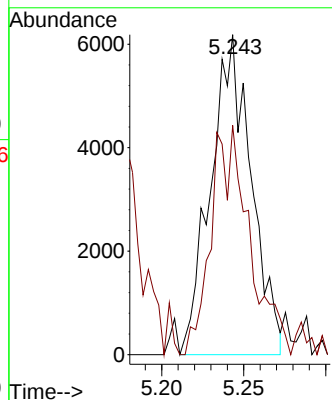
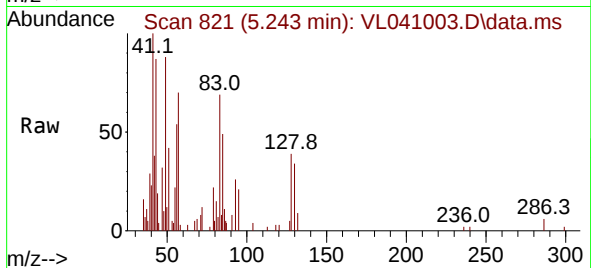
85 71.6 51.6 77.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#30

Cyclohexane

Concen: 0.514 ppbv

RT: 6.558 min Scan# 1230

Delta R.T. -0.006 min

Lab File: VL041003.D

Acq: 23 Jan 2024 19:29

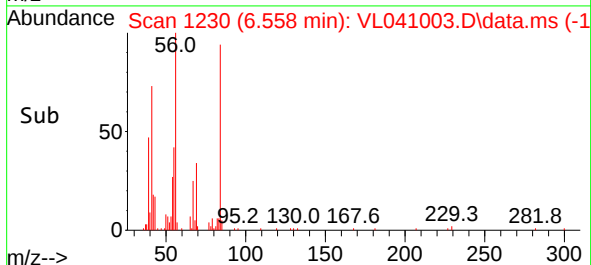
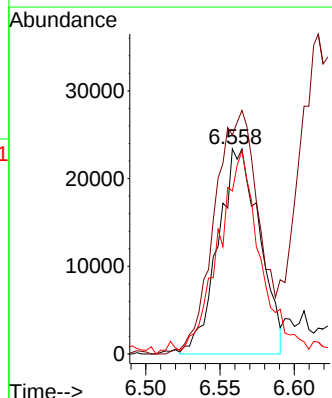
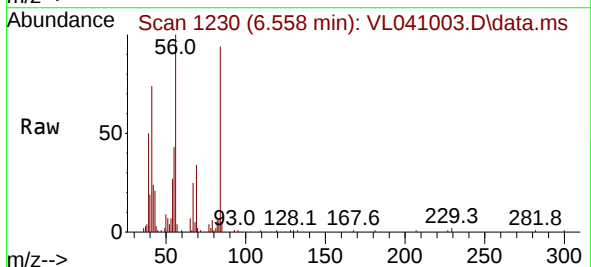
Tgt Ion: 84 Resp: 45456

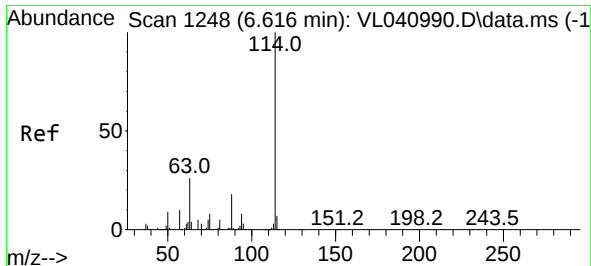
Ion Ratio Lower Upper

84 100

56 130.0 111.7 167.5

41 99.6 71.0 106.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.616 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL041003.D

Acq: 23 Jan 2024 19:29

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:114 Resp: 267082

Ion Ratio Lower Upper

114 100

63 25.4 20.8 31.2

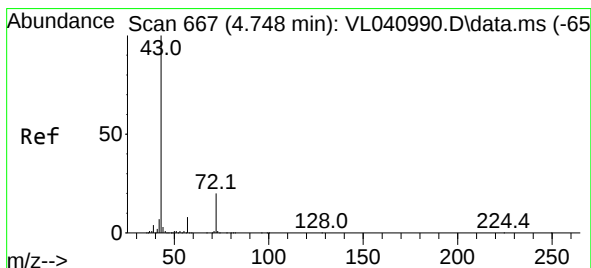
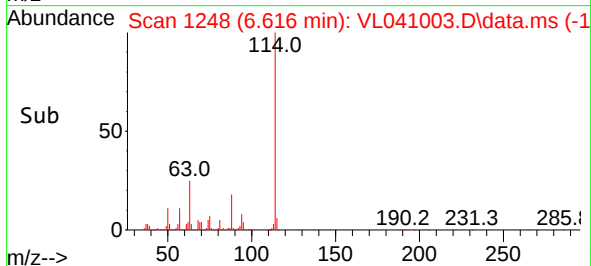
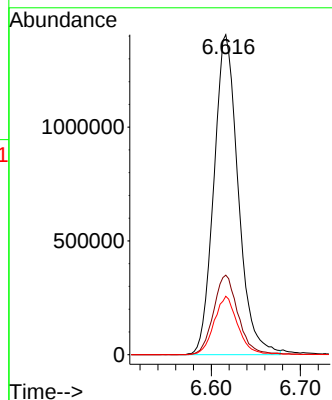
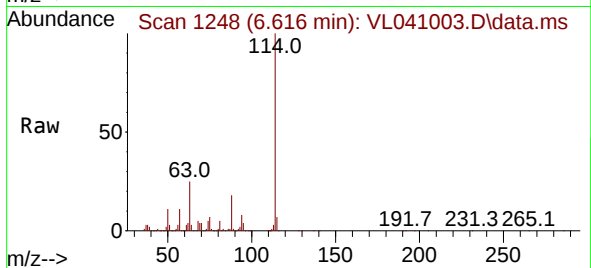
88 18.0 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#34

2-Butanone

Concen: 43.223 ppbv

RT: 4.745 min Scan# 666

Delta R.T. -0.003 min

Lab File: VL041003.D

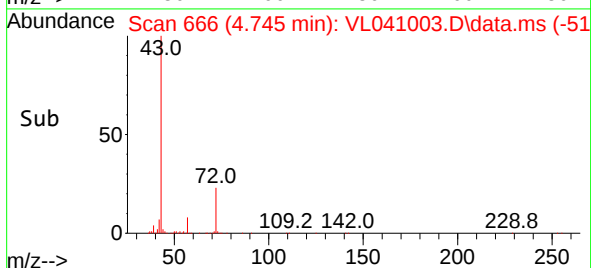
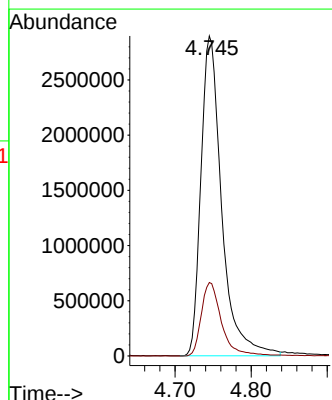
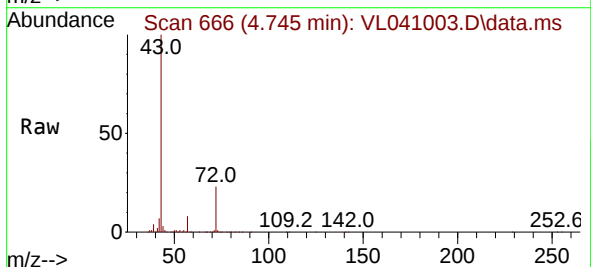
Acq: 23 Jan 2024 19:29

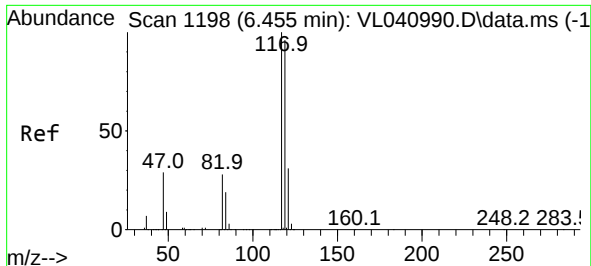
Tgt Ion: 43 Resp: 5499765

Ion Ratio Lower Upper

43 100

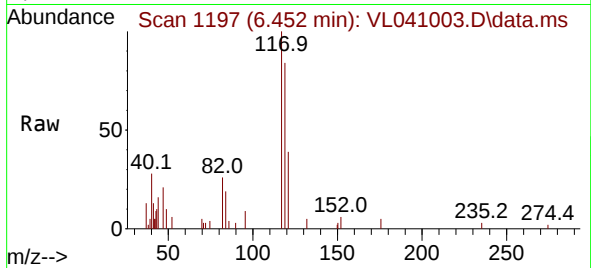
72 22.8 17.5 26.3





#35
Carbon Tetrachloride
Concen: 0.062 ppbv m
RT: 6.452 min Scan# 1197
Delta R.T. -0.003 min
Lab File: VL041003.D
Acq: 23 Jan 2024 19:29

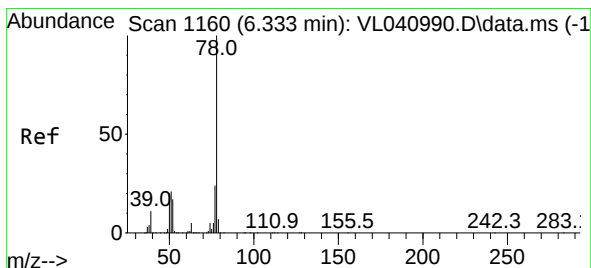
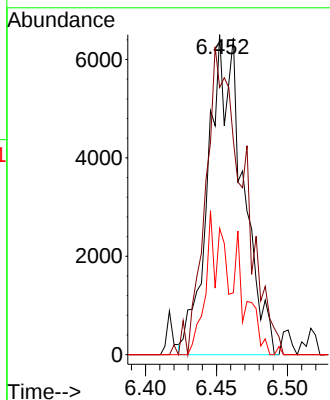
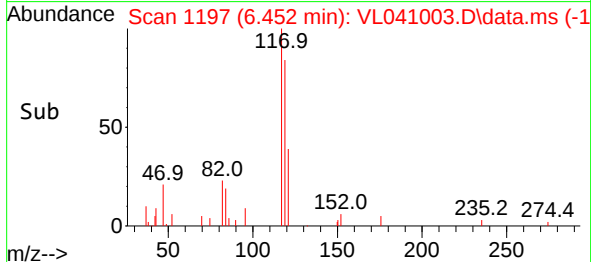
Instrument :
MSVOA_L
ClientSampleId :
IA1



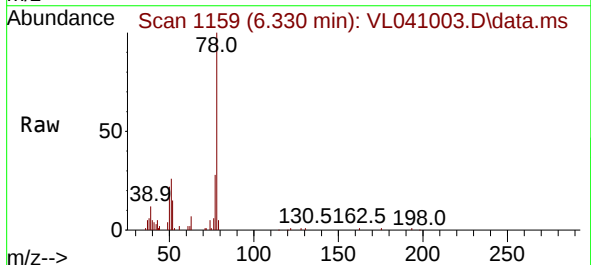
Tgt Ion: 117 Resp: 11062
Ion Ratio Lower Upper
117 100
119 83.5 76.9 115.3
121 39.4 24.7 37.1

Manual Integrations
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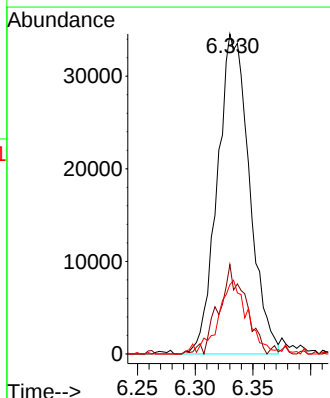
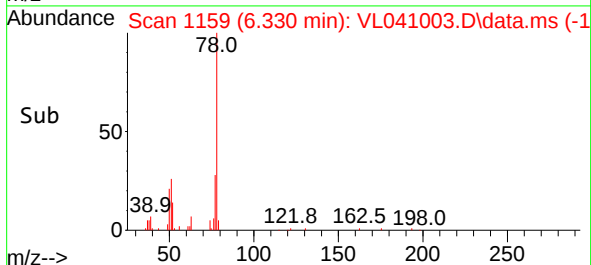
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

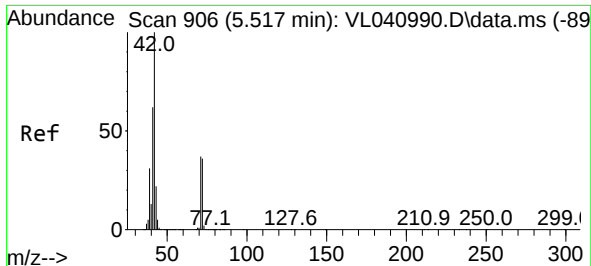


#36
Benzene
Concen: 0.302 ppbv
RT: 6.330 min Scan# 1159
Delta R.T. -0.003 min
Lab File: VL041003.D
Acq: 23 Jan 2024 19:29



Tgt Ion: 78 Resp: 66571
Ion Ratio Lower Upper
78 100
77 28.0 19.0 28.4
50 21.6 15.8 23.6





#41

Tetrahydrofuran

Concen: 128.284 ppbv

RT: 5.507 min Scan# 906

Delta R.T. -0.010 min

Lab File: VL041003.D

Acq: 23 Jan 2024 19:29

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 42 Resp:1108304

Ion Ratio Lower Upper

42 100

72 44.7 30.0 45.0

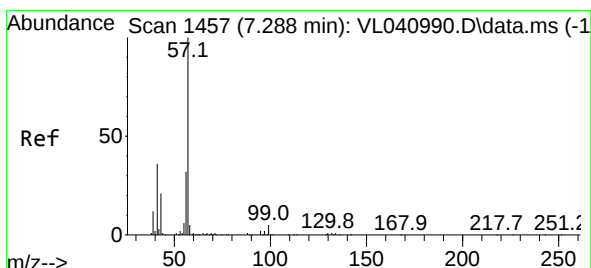
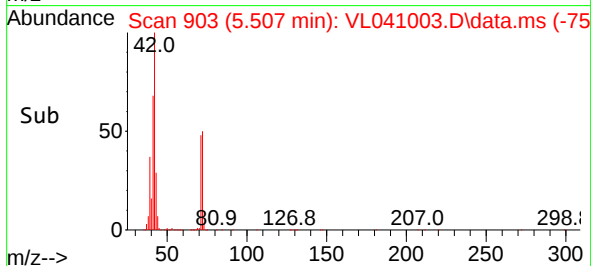
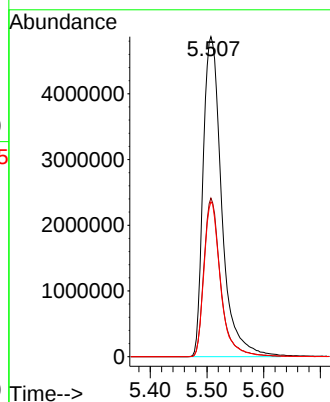
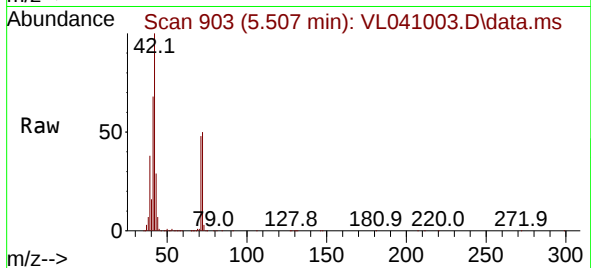
71 43.4 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#44

2,2,4-Trimethylpentane

Concen: 0.088 ppbv m

RT: 7.288 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VL041003.D

Acq: 23 Jan 2024 19:29

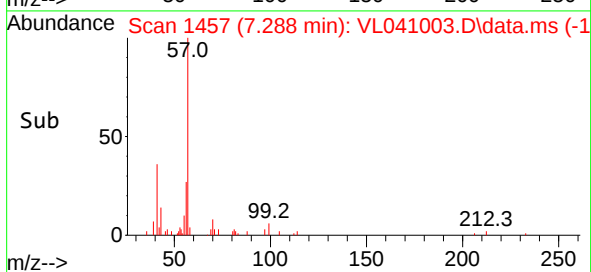
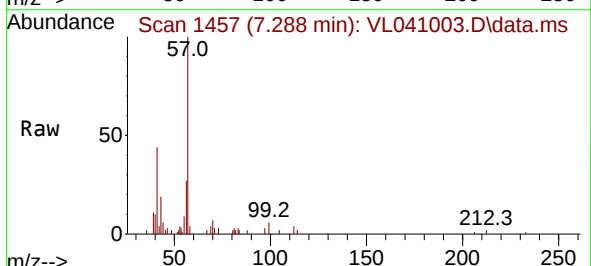
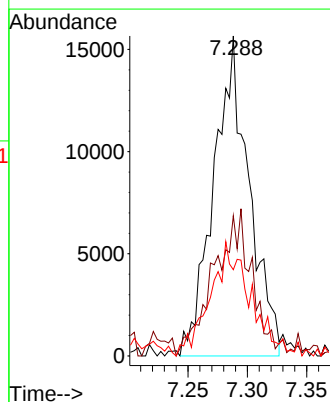
Tgt Ion: 57 Resp: 32584

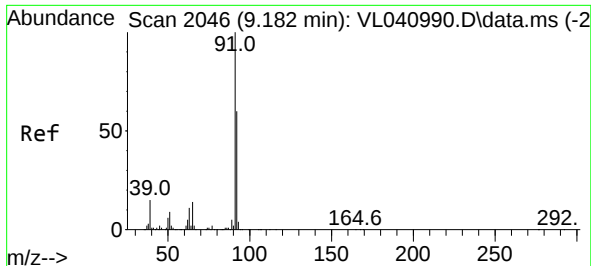
Ion Ratio Lower Upper

57 100

41 51.2 28.6 43.0#

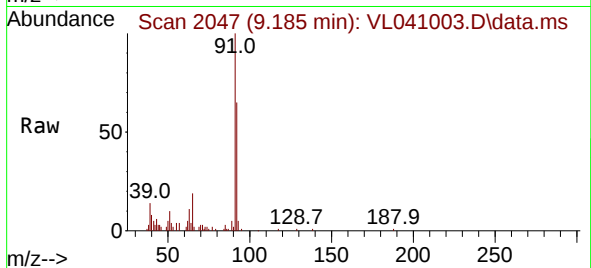
56 40.5 25.2 37.8#





#53
Toluene
Concen: 0.267 ppbv m
RT: 9.185 min Scan# 2046
Delta R.T. 0.003 min
Lab File: VL041003.D
Acq: 23 Jan 2024 19:29

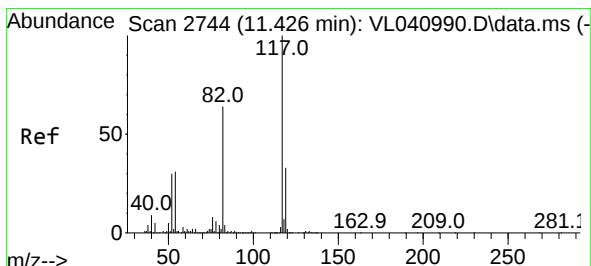
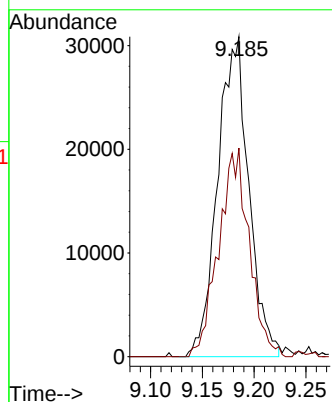
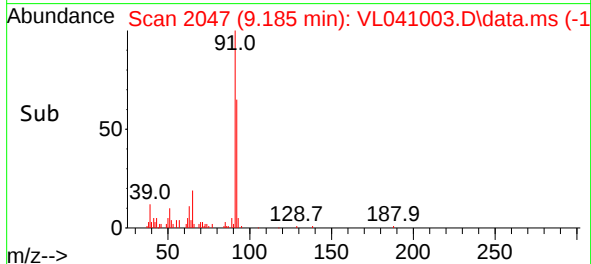
Instrument :
MSVOA_L
ClientSampleId :
IA1



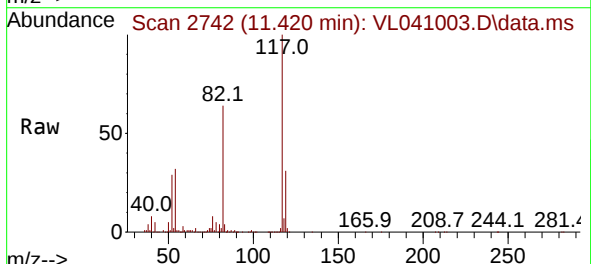
Tgt Ion: 91 Resp: 64409
Ion Ratio Lower Upper
91 100
92 64.0 48.6 72.8

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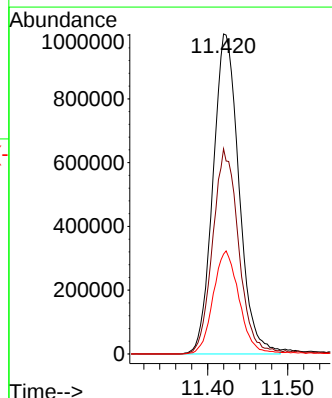
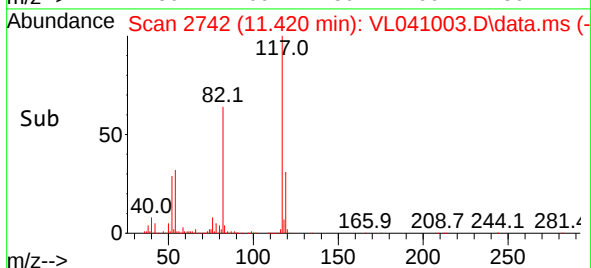
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

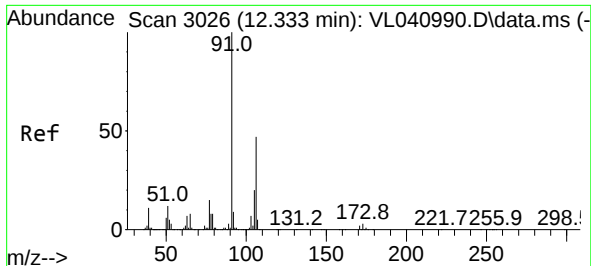


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.420 min Scan# 2742
Delta R.T. -0.006 min
Lab File: VL041003.D
Acq: 23 Jan 2024 19:29



Tgt Ion:117 Resp: 2263377
Ion Ratio Lower Upper
117 100
82 65.6 51.7 77.5
119 32.7 23.8 35.6





#59

m/p-Xylene

Concen: 0.114 ppbv m

RT: 12.291 min Scan# 3013

Delta R.T. -0.042 min

Lab File: VL041003.D

Acq: 23 Jan 2024 19:29

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 3013

Ion Ratio Lower Upper

91 100

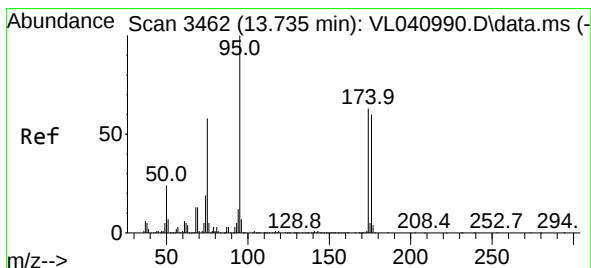
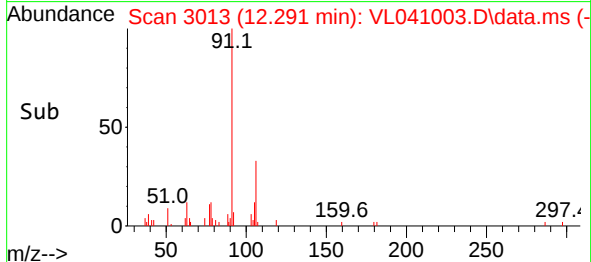
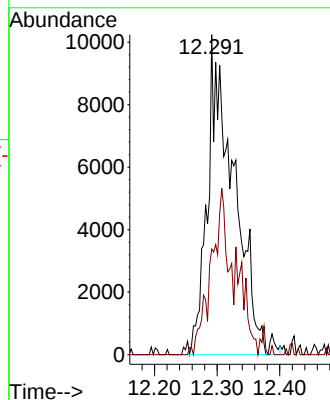
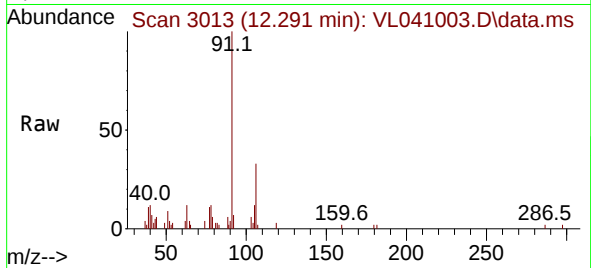
106 12.0 34.9 52.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.754 ppbv

RT: 13.732 min Scan# 3461

Delta R.T. -0.003 min

Lab File: VL041003.D

Acq: 23 Jan 2024 19:29

Tgt Ion: 95 Resp: 1667512

Ion Ratio Lower Upper

95 100

174 62.0 49.1 73.7

175 4.3 3.7 5.5

