

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041062.D
 Acq On : 9 Feb 2024 17:44
 Operator : SY/MD
 Sample : P1420-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2R

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/12/2024
 Supervised By :Mahesh Dadoda 02/12/2024

Quant Time: Feb 12 00:49:04 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

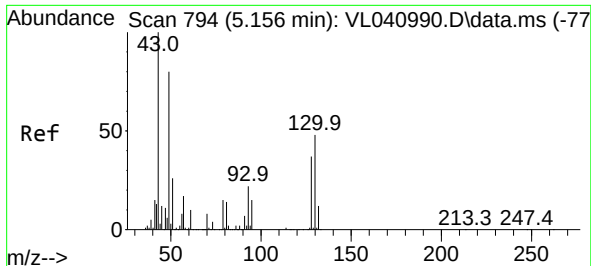
QLast Update : Mon Feb 12 00:40:04 2024

Response via : Initial Calibration

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

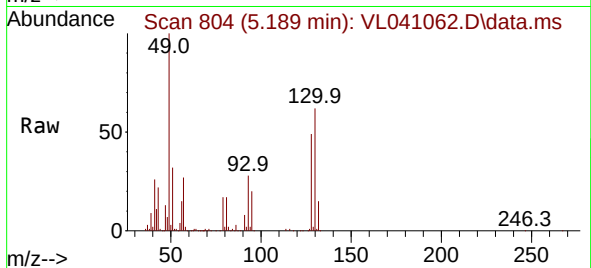
Internal Standards						
1) Bromochloromethane	5.189	49	1086268	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.648	114	2847311	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2474636	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1921102	10.278	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	104894	0.437	ppbv	97
4) Chloromethane	2.806	50	36666	0.535	ppbv	91
11) Trichlorofluoromethane	3.562	101	40846	0.211	ppbv	84
13) Ethanol	3.240	45	6745339	472.274	ppbv	94
15) Acetone	3.465	43	1060163	7.632	ppbv	95
17) tert-Butyl alcohol	3.890	59	26014	0.228	ppbv #	93
19) Isopropyl Alcohol	3.581	45	1219872	15.171	ppbv	99
20) Methylene Chloride	3.928	84	1919041	35.901	ppbv	96
26) Hexane	5.211	57	1671614	15.570	ppbv #	39
29) Chloroform	5.266	83	39402	0.207	ppbv	97
34) 2-Butanone	4.783	43	30225	0.223	ppbv	92
35) Carbon Tetrachloride	6.484	117	12059m	0.064	ppbv	
36) Benzene	6.365	78	55493	0.236	ppbv #	90
44) 2,2,4-Trimethylpentane	7.317	57	31751m	0.080	ppbv	
52) Tetrachloroethene	10.606	164	2819m	0.036	ppbv	
53) Toluene	9.217	91	69809	0.271	ppbv	99
59) m/p-Xylene	12.365	91	81978m	0.283	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44

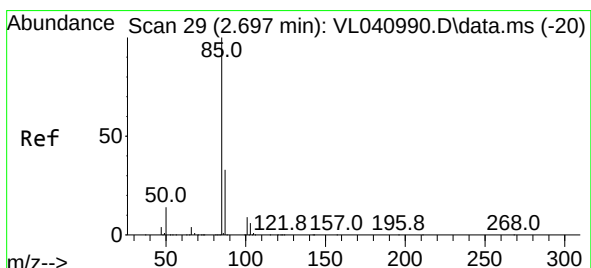
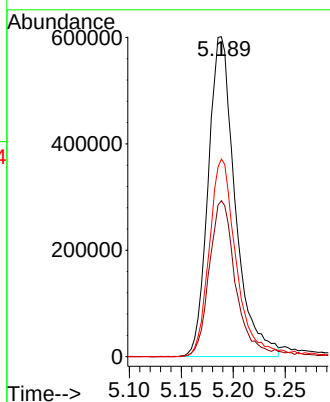
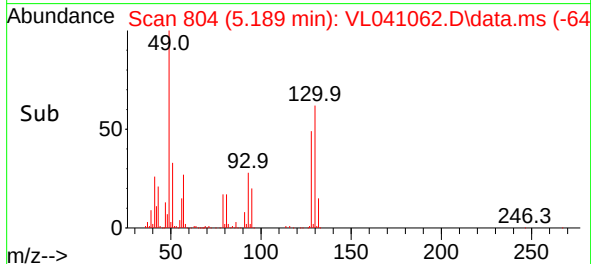
Instrument :
MSVOA_L
ClientSampleId :
IA2R



Tgt Ion: 49 Resp: 108626
Ion Ratio Lower Upper
49 100
128 50.0 23.9 71.7
130 63.8 31.1 93.5

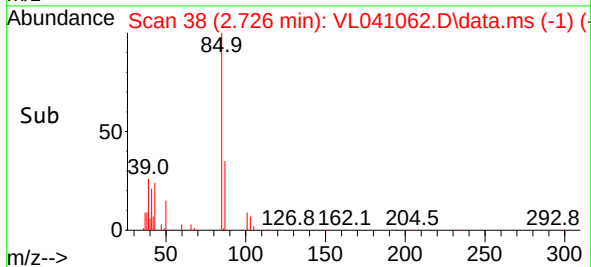
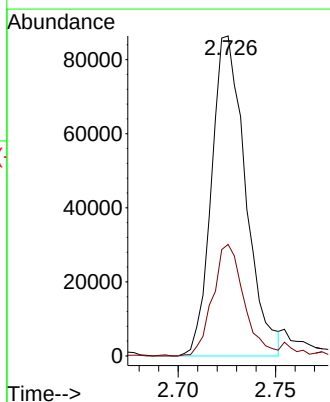
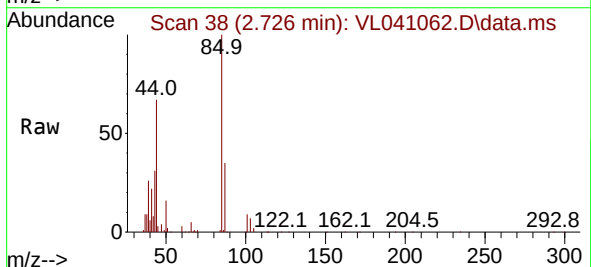
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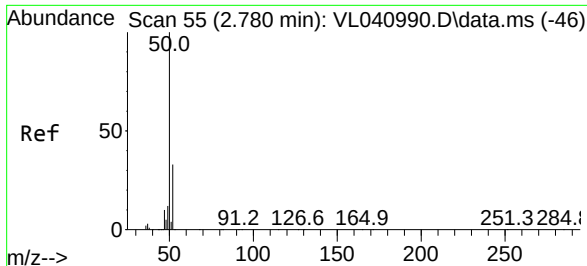
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#2
Dichlorodifluoromethane
Concen: 0.437 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44

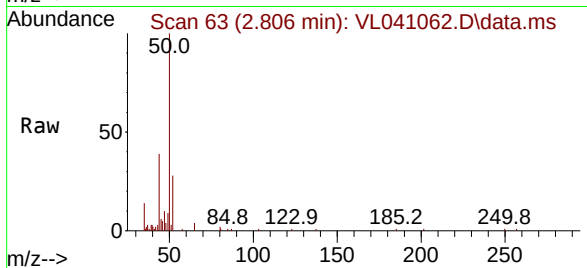
Tgt Ion: 85 Resp: 104894
Ion Ratio Lower Upper
85 100
87 34.9 26.3 39.5





#4
Chloromethane
Concen: 0.535 ppbv
RT: 2.806 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44

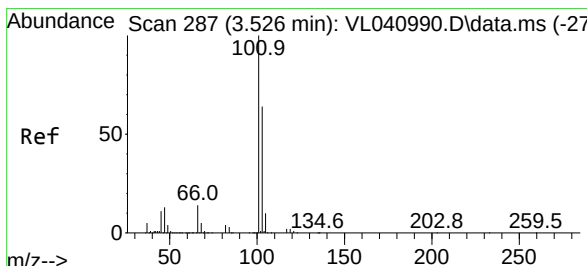
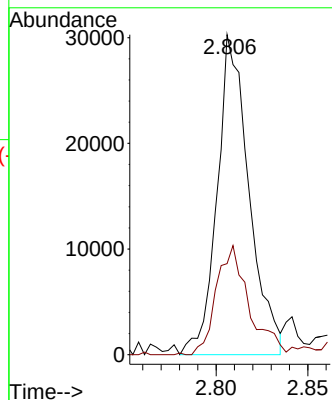
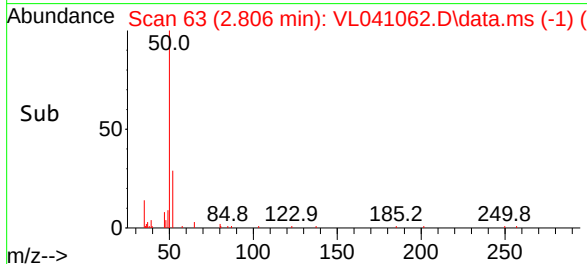
Instrument :
MSVOA_L
ClientSampleId :
IA2R



Tgt Ion: 50 Resp: 3666
Ion Ratio Lower Upper
50 100
52 27.9 26.2 39.4

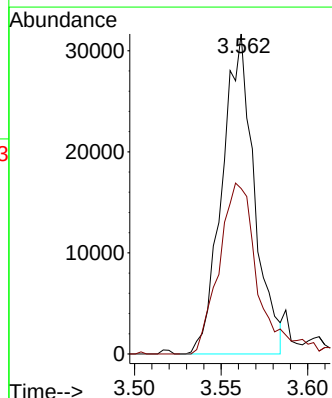
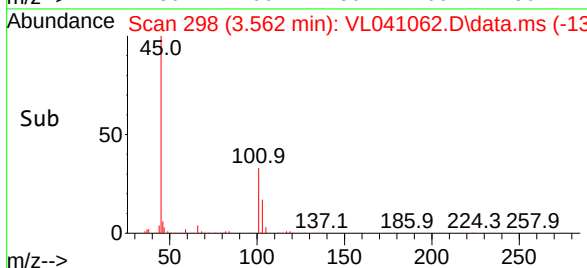
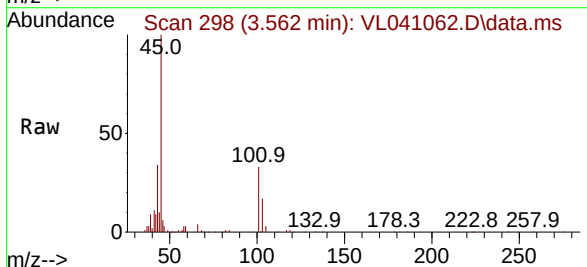
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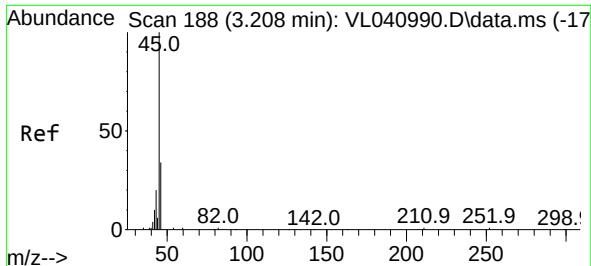
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#11
Trichlorofluoromethane
Concen: 0.211 ppbv
RT: 3.562 min Scan# 298
Delta R.T. 0.013 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44

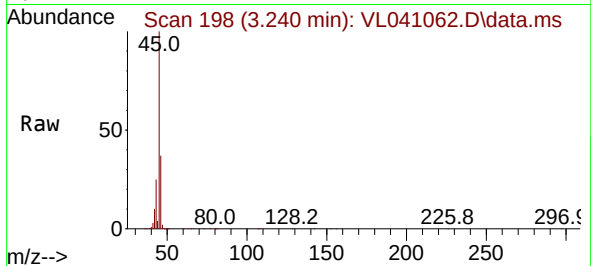
Tgt Ion:101 Resp: 40846
Ion Ratio Lower Upper
101 100
103 51.7 51.4 77.2





#13
Ethanol
Concen: 472.274 ppbv
RT: 3.240 min Scan# 198
Delta R.T. 0.016 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44

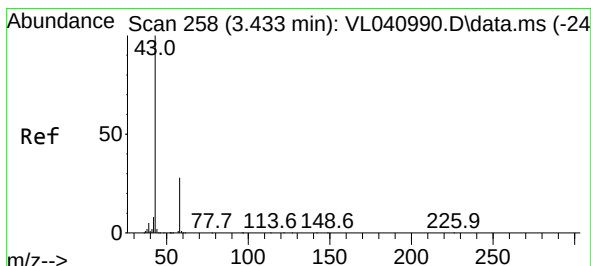
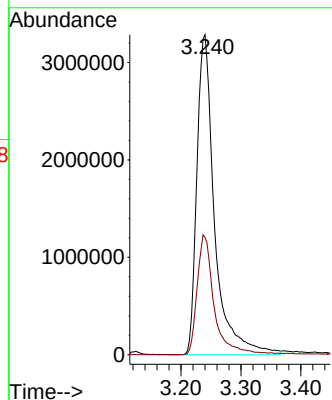
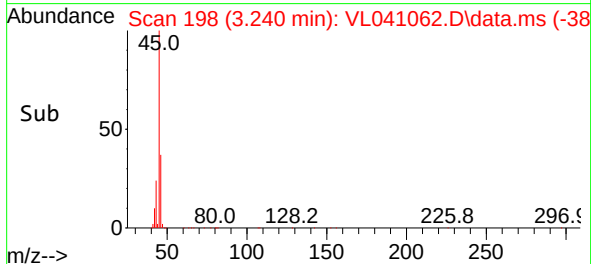
Instrument :
MSVOA_L
ClientSampleId :
IA2R



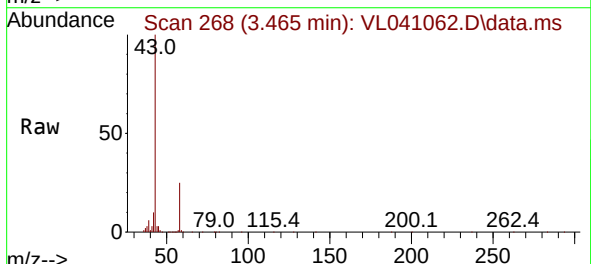
Tgt Ion: 45 Resp: 6745339
Ion Ratio Lower Upper
45 100
46 37.0 16.2 64.8

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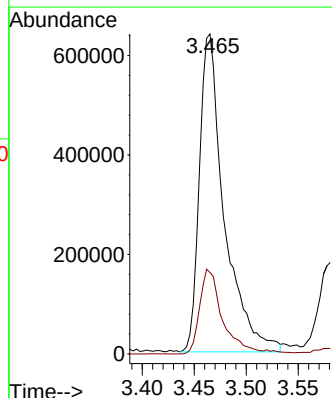
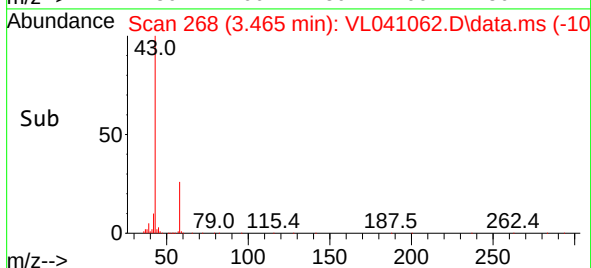
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

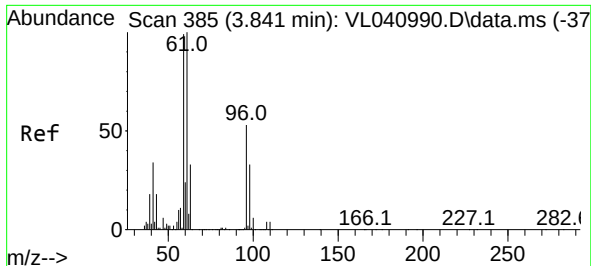


#15
Acetone
Concen: 7.632 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.013 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44



Tgt Ion: 43 Resp: 1060163
Ion Ratio Lower Upper
43 100
58 25.1 22.2 33.2





#17

tert-Butyl alcohol

Concen: 0.228 ppbv

RT: 3.890 min Scan# 40

Delta R.T. 0.026 min

Lab File: VL041062.D

Acq: 9 Feb 2024 17:44

Instrument :

MSVOA_L

ClientSampleId :

IA2R

Tgt Ion: 59 Resp: 26014

Ion Ratio Lower Upper

59 100

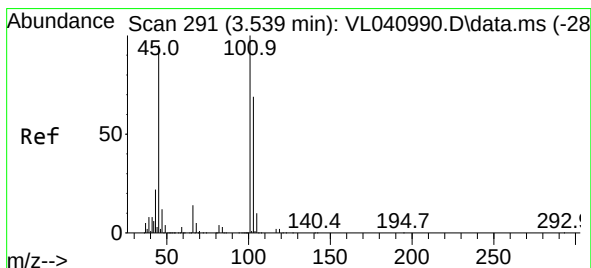
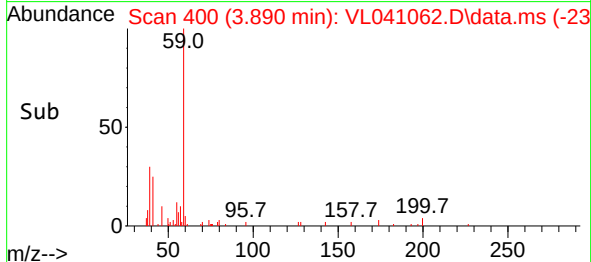
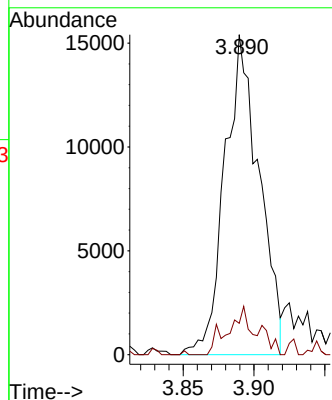
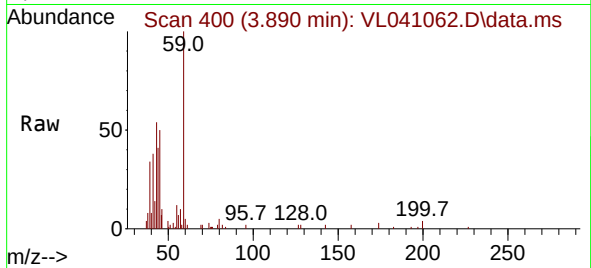
57 13.5 8.7 13.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/12/2024

Supervised By :Mahesh Dadoda 02/12/2024



#19

Isopropyl Alcohol

Concen: 15.171 ppbv

RT: 3.581 min Scan# 304

Delta R.T. 0.019 min

Lab File: VL041062.D

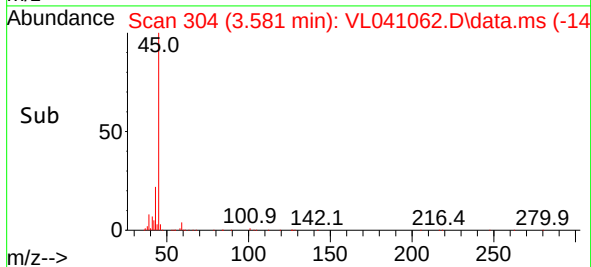
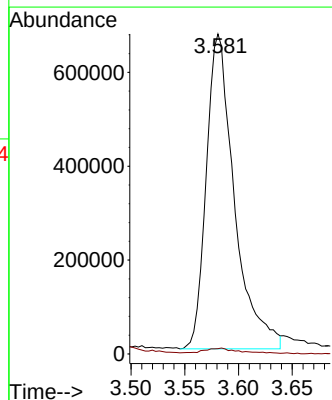
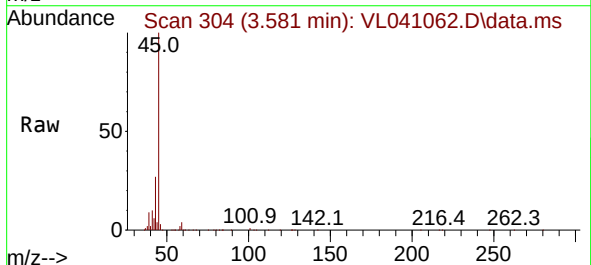
Acq: 9 Feb 2024 17:44

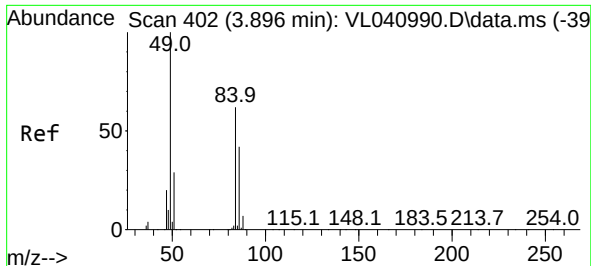
Tgt Ion: 45 Resp: 1219872

Ion Ratio Lower Upper

45 100

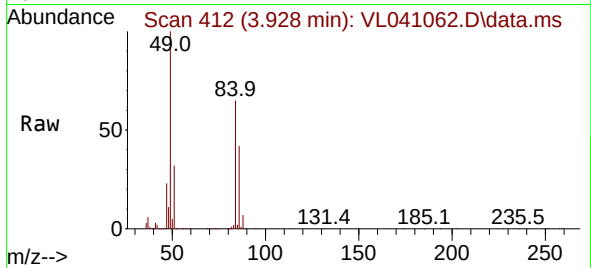
58 2.5 2.2 3.4





#20
Methylene Chloride
Concen: 35.901 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.010 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44

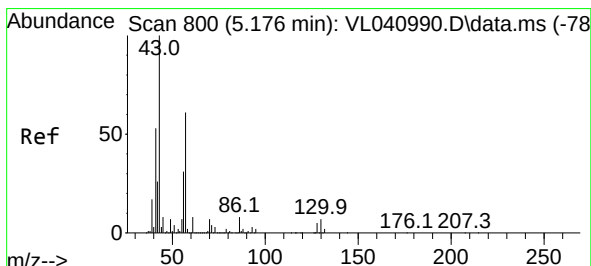
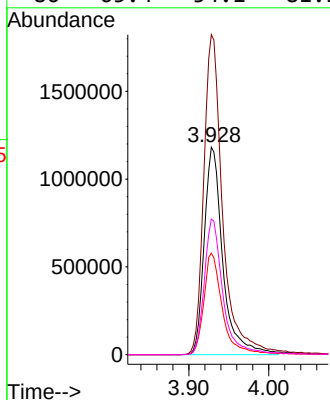
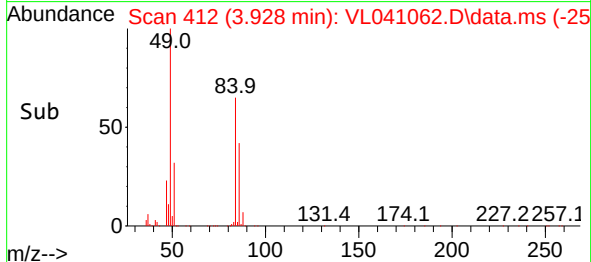
Instrument :
MSVOA_L
ClientSampleId :
IA2R



Tgt Ion: 84 Resp: 191904
Ion Ratio Lower Upper
84 100
49 154.2 128.1 192.1
51 49.0 36.5 54.7
86 65.4 54.1 81.1

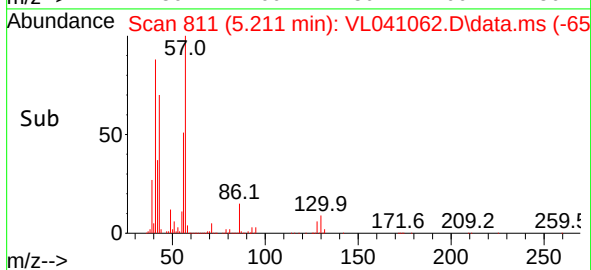
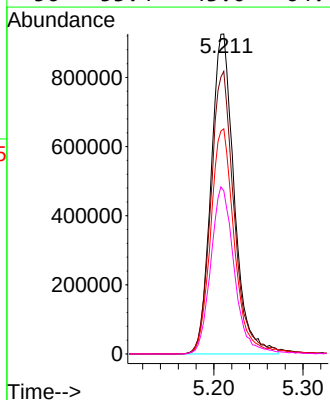
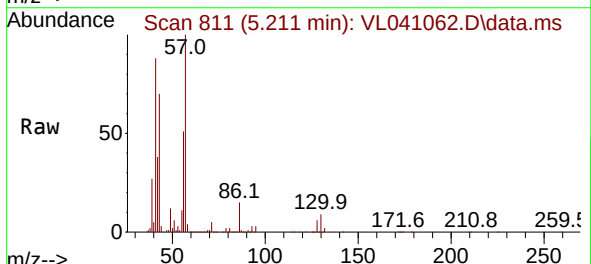
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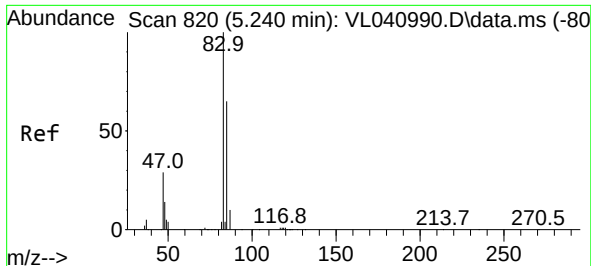
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#26
Hexane
Concen: 15.570 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44

Tgt Ion: 57 Resp: 1671614
Ion Ratio Lower Upper
57 100
41 90.0 74.4 111.6
43 72.9 190.6 285.8#
56 53.4 43.0 64.4





#29

Chloroform

Concen: 0.207 ppbv

RT: 5.266 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL041062.D

Acq: 9 Feb 2024 17:44

Instrument :

MSVOA_L

ClientSampleId :

IA2R

Tgt Ion: 83 Resp: 3940

Ion Ratio Lower Upper

83 100

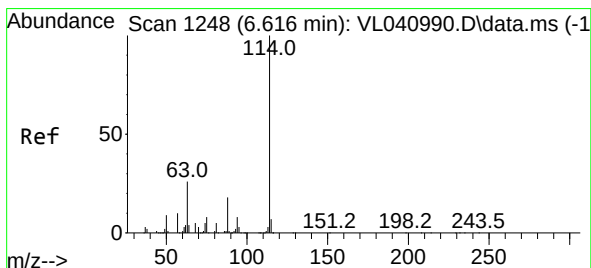
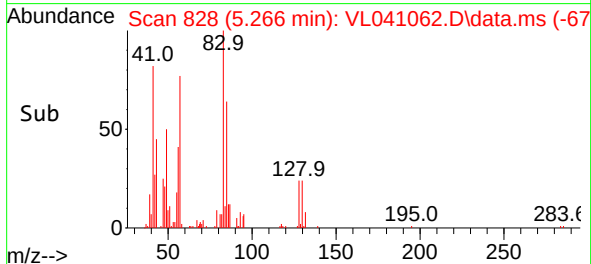
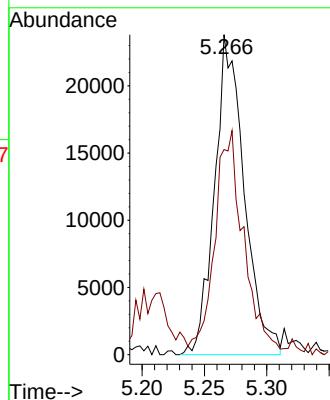
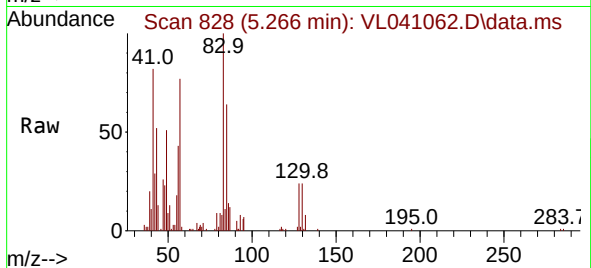
85 62.3 51.6 77.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/12/2024

Supervised By :Mahesh Dadoda 02/12/2024



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VL041062.D

Acq: 9 Feb 2024 17:44

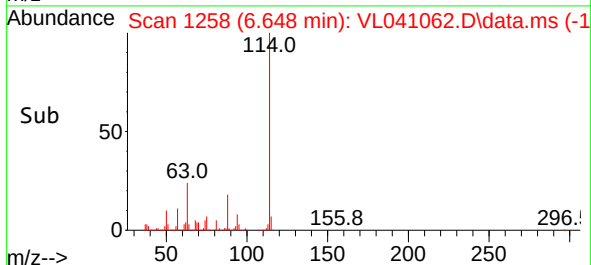
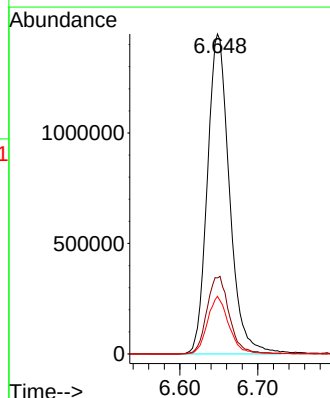
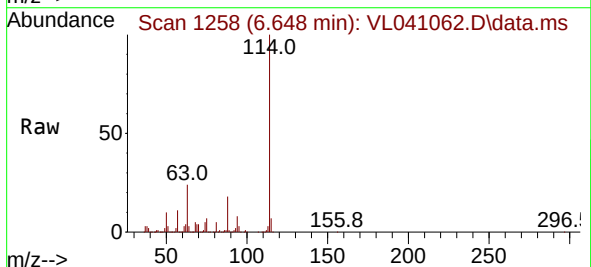
Tgt Ion:114 Resp: 2847311

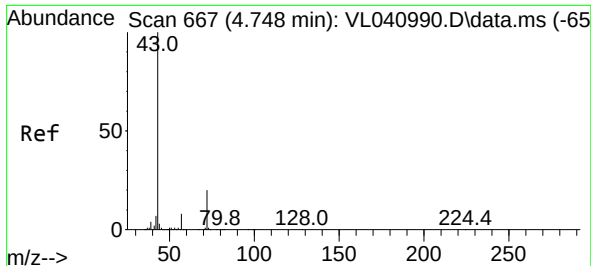
Ion Ratio Lower Upper

114 100

63 24.8 20.8 31.2

88 17.5 14.3 21.5





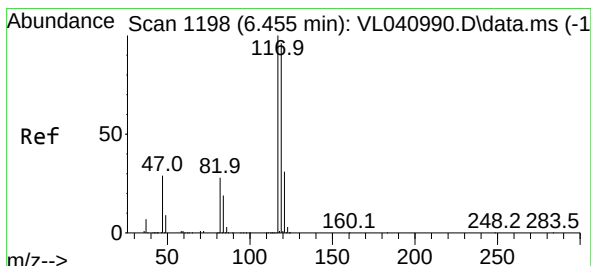
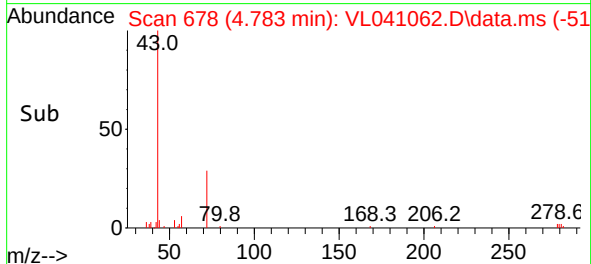
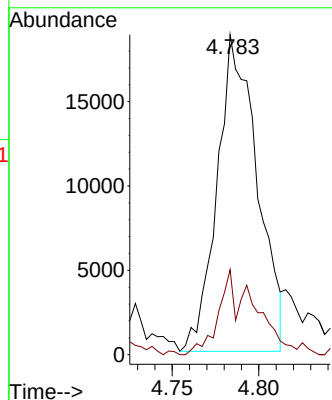
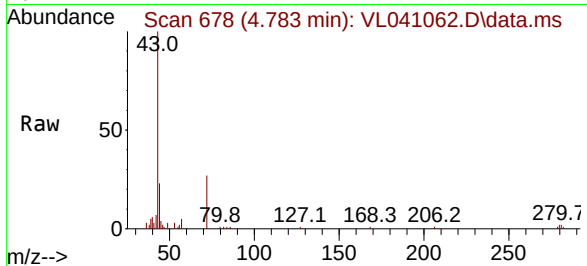
#34
2-Butanone
Concen: 0.223 ppbv
RT: 4.783 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44

Instrument :
MSVOA_L
ClientSampleId :
IA2R

Tgt Ion: 43 Resp: 30225
Ion Ratio Lower Upper
43 100
72 25.6 17.5 26.3

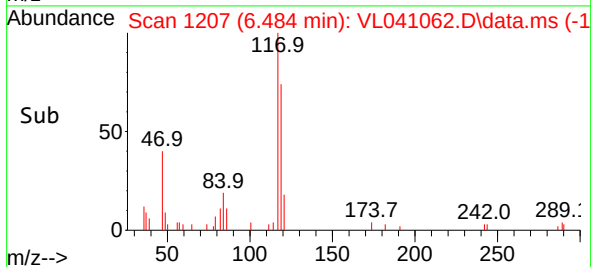
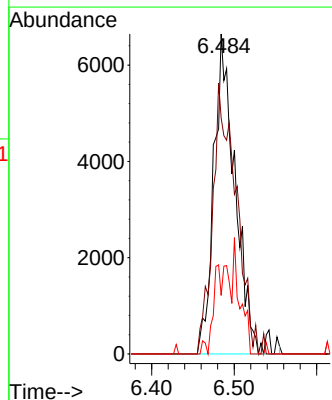
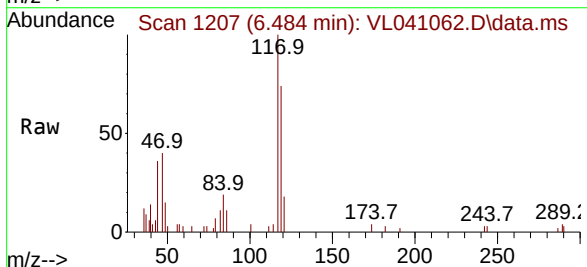
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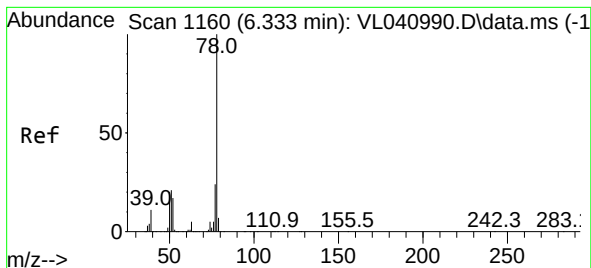
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 6.484 min Scan# 1207
Delta R.T. 0.003 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44

Tgt Ion:117 Resp: 12059
Ion Ratio Lower Upper
117 100
119 73.7 76.9 115.3#
121 18.3 24.7 37.1#





#36

Benzene

Concen: 0.236 ppbv

RT: 6.365 min Scan# 1160

Delta R.T. 0.006 min

Lab File: VL041062.D

Acq: 9 Feb 2024 17:44

Instrument :

MSVOA_L

ClientSampleId :

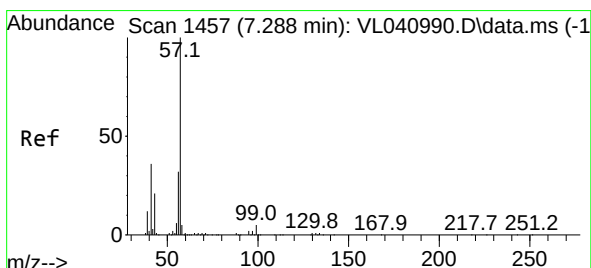
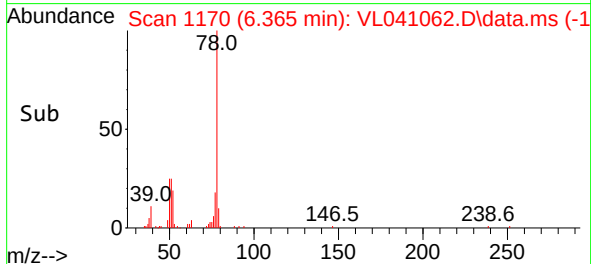
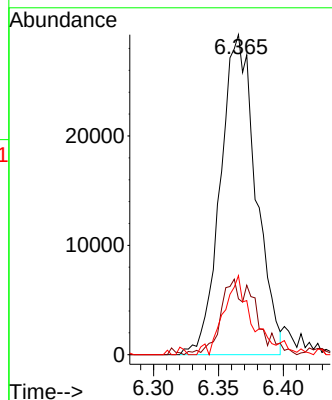
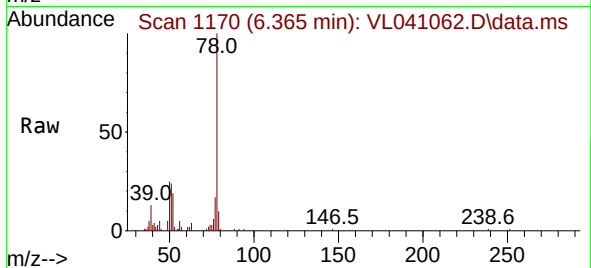
IA2R

Tgt Ion: 78	Resp: 5549
Ion Ratio	Lower Upper
78 100	
77 16.9	19.0 28.4
50 22.4	15.8 23.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#44

2,2,4-Trimethylpentane

Concen: 0.080 ppbv m

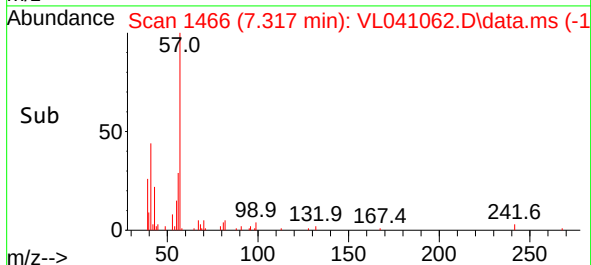
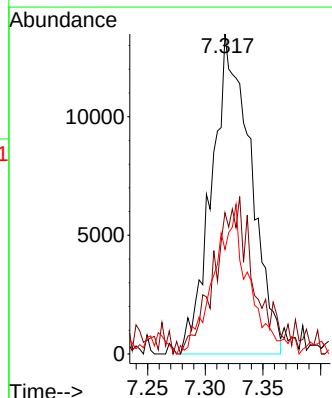
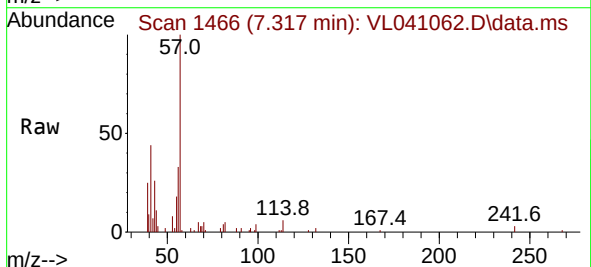
RT: 7.317 min Scan# 1466

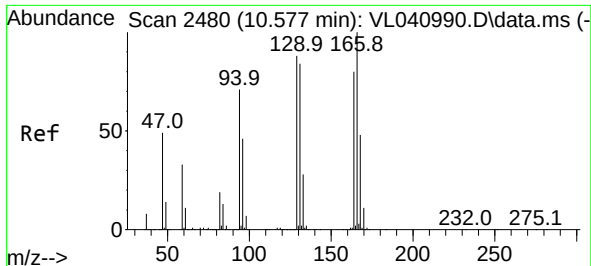
Delta R.T. 0.003 min

Lab File: VL041062.D

Acq: 9 Feb 2024 17:44

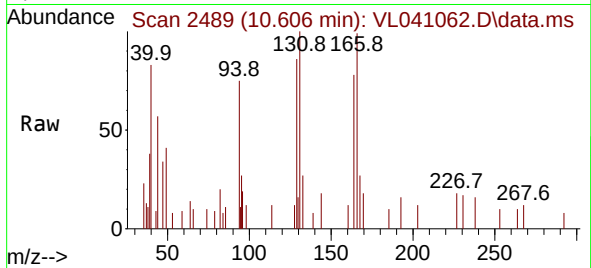
Tgt Ion: 57	Resp: 31751
Ion Ratio	Lower Upper
57 100	
41 54.2	28.6 43.0
56 42.4	25.2 37.8





#52
Tetrachloroethene
Concen: 0.036 ppbv m
RT: 10.606 min Scan# 2489
Delta R.T. 0.003 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44

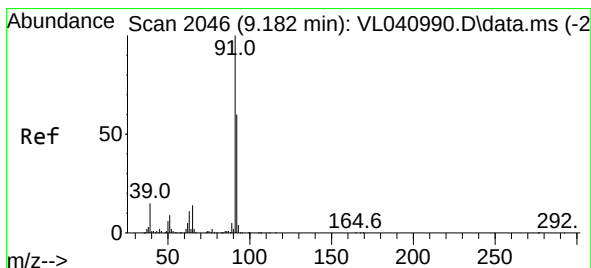
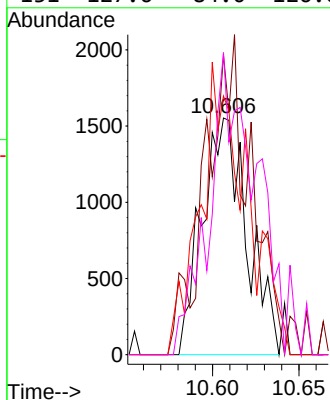
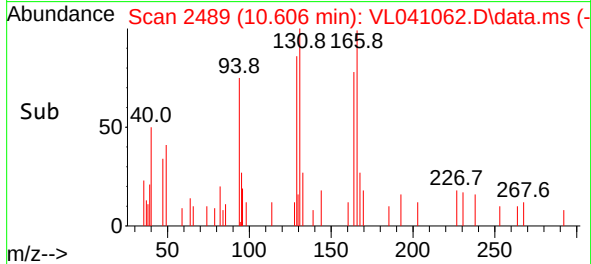
Instrument :
MSVOA_L
ClientSampleId :
IA2R



Tgt Ion:164 Resp: 2819
Ion Ratio Lower Upper
164 100
166 126.7 100.2 150.2
129 109.3 87.9 131.9
131 127.6 84.0 126.0#

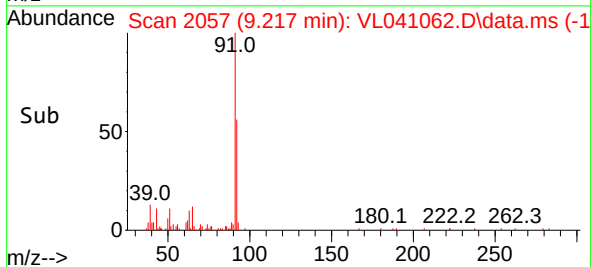
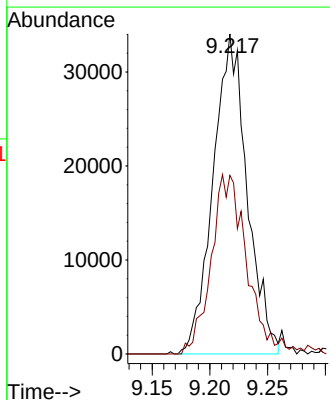
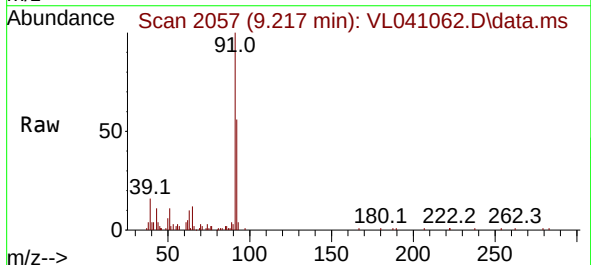
Manual Integrations
APPROVED

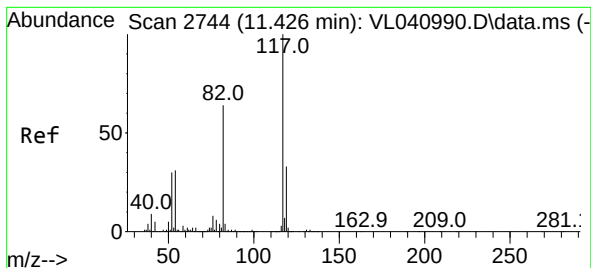
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#53
Toluene
Concen: 0.271 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. 0.010 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44

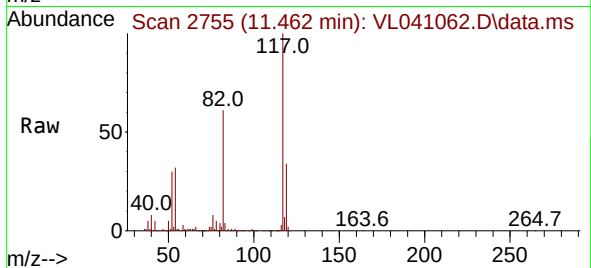
Tgt Ion: 91 Resp: 69809
Ion Ratio Lower Upper
91 100
92 59.7 48.6 72.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2744
Delta R.T. 0.010 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44

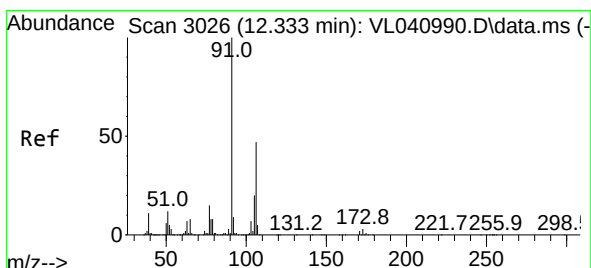
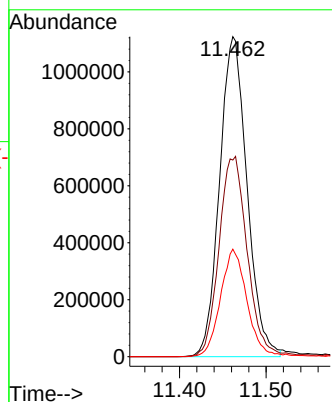
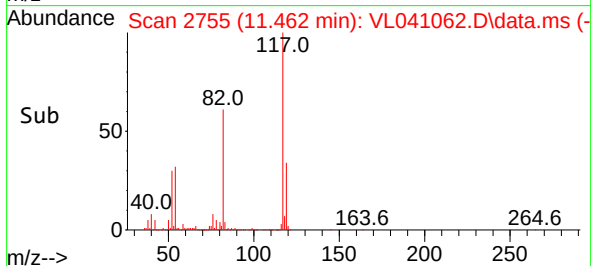
Instrument :
MSVOA_L
ClientSampleId :
IA2R



Tgt Ion:117 Resp: 2474630
Ion Ratio Lower Upper
117 100
82 64.8 51.7 77.5
119 32.9 23.8 35.6

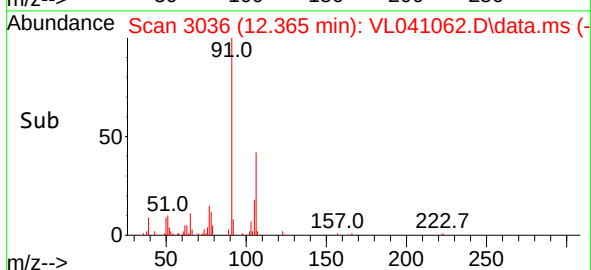
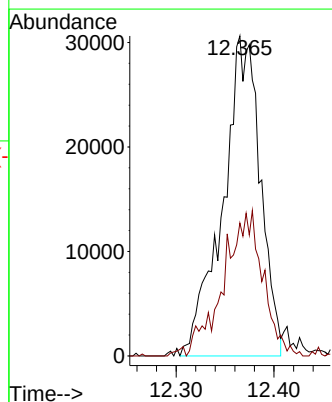
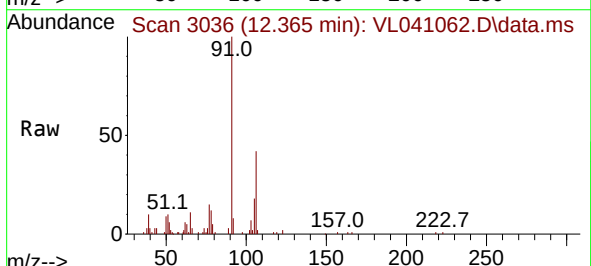
Manual Integrations
APPROVED

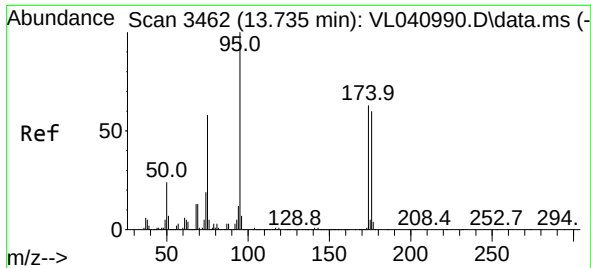
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#59
m/p-Xylene
Concen: 0.283 ppbv m
RT: 12.365 min Scan# 3036
Delta R.T. 0.010 min
Lab File: VL041062.D
Acq: 9 Feb 2024 17:44

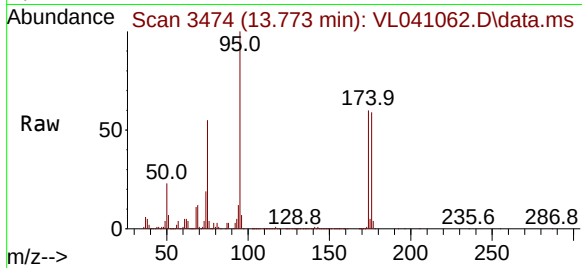
Tgt Ion: 91 Resp: 81978
Ion Ratio Lower Upper
91 100
106 0.0 34.9 52.3#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.278 ppbv
 RT: 13.773 min Scan# 3462
 Delta R.T. 0.013 min
 Lab File: VL041062.D
 Acq: 9 Feb 2024 17:44

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2R



Tgt Ion: 95 Resp: 1921102
 Ion Ratio Lower Upper
 95 100
 174 62.4 49.1 73.7
 175 4.6 3.7 5.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/12/2024
 Supervised By :Mahesh Dadoda 02/12/2024

