

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041060.D
 Acq On : 9 Feb 2024 16:25
 Operator : SY/MD
 Sample : P1420-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

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

Quant Time: Feb 12 00:48:14 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 : Mon Feb 12 00:40:04 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1083743	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2992380	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2705955	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2010862	9.839	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	113289	0.473	ppbv	97
3) Chlorodifluoromethane	2.671	51	50856m	0.279	ppbv	
4) Chloromethane	2.809	50	44756	0.655	ppbv	99
11) Trichlorofluoromethane	3.558	101	41399	0.215	ppbv	86
13) Ethanol	3.234	45	488060	34.251	ppbv	93
15) Acetone	3.465	43	889871	6.421	ppbv	100
20) Methylene Chloride	3.928	84	1707255	32.014	ppbv	97
26) Hexane	5.208	57	1253920	11.707	ppbv #	38
34) 2-Butanone	4.787	43	75766m	0.531	ppbv	
35) Carbon Tetrachloride	6.488	117	12222m	0.061	ppbv	
36) Benzene	6.365	78	75005	0.304	ppbv #	92
44) 2,2,4-Trimethylpentane	7.324	57	42904	0.103	ppbv #	84
53) Toluene	9.217	91	147449	0.545	ppbv	97
59) m/p-Xylene	12.365	91	68635m	0.217	ppbv	

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

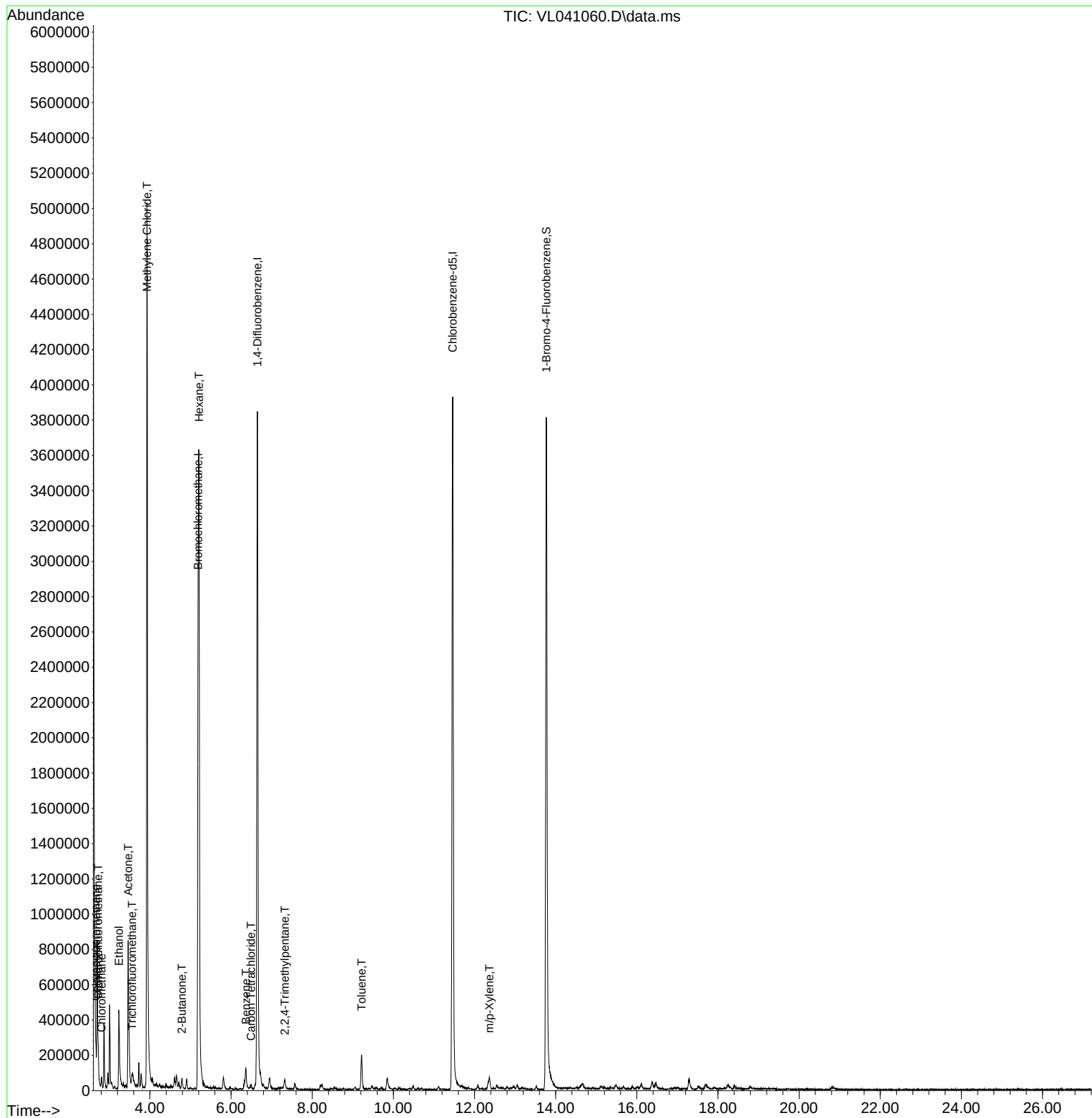
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
Data File : VL041060.D
Acq On : 9 Feb 2024 16:25
Operator : SY/MD
Sample : P1420-06
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ALS Vial : 1 Sample Multiplier: 1

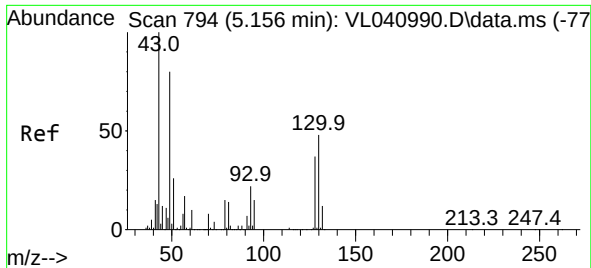
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Feb 12 00:48:14 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 : Mon Feb 12 00:40:04 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

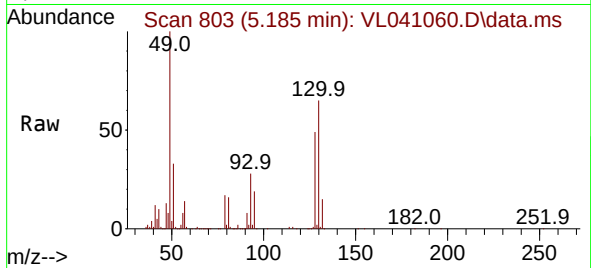
Reviewed By : Semsettin Yesilyurt 02/12/2024
Supervised By : Mahesh Dadoda 02/12/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25

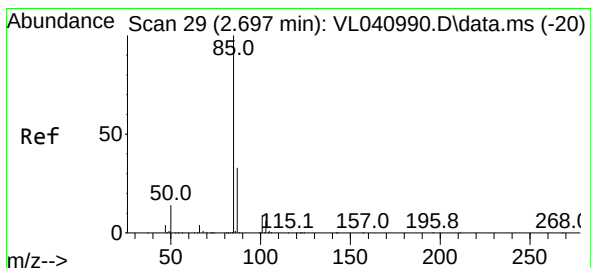
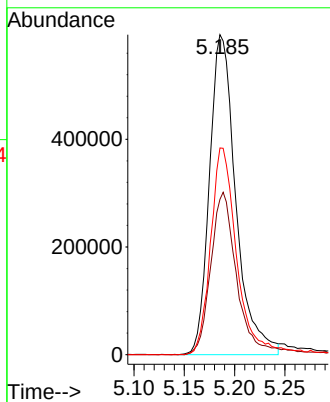
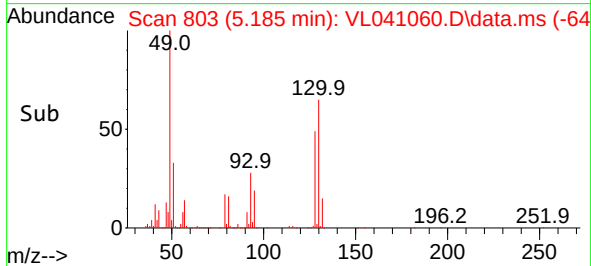
Instrument :
MSVOA_L
ClientSampleId :
OA1



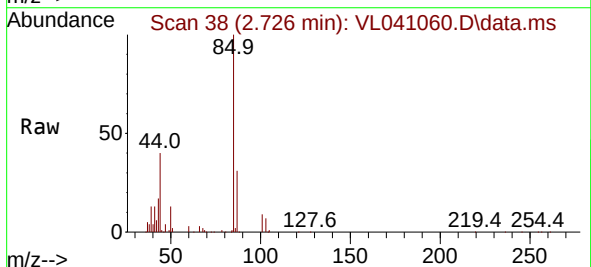
Tgt Ion: 49 Resp: 108374
Ion Ratio Lower Upper
49 100
128 51.9 23.9 71.7
130 66.3 31.1 93.5

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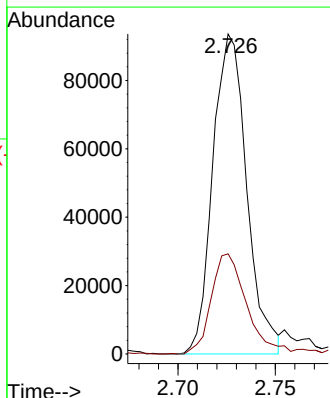
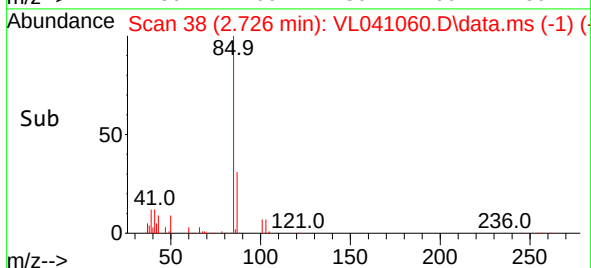
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

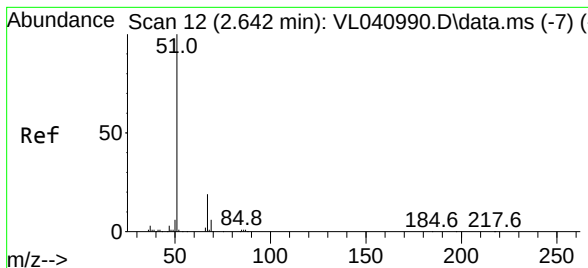


#2
Dichlorodifluoromethane
Concen: 0.473 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25



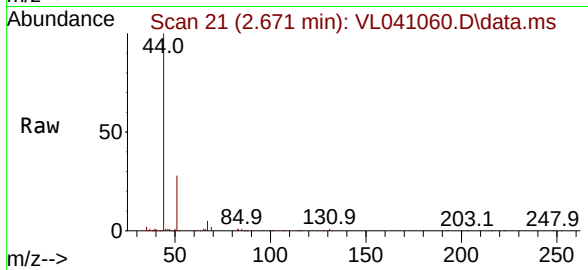
Tgt Ion: 85 Resp: 113289
Ion Ratio Lower Upper
85 100
87 31.3 26.3 39.5





#3
Chlorodifluoromethane
Concen: 0.279 ppbv m
RT: 2.671 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25

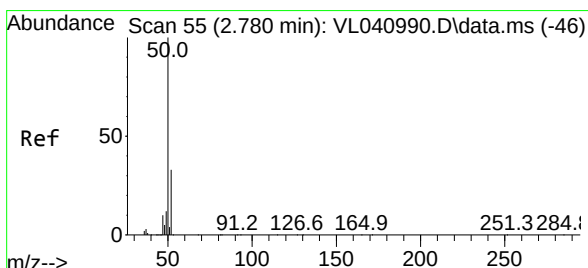
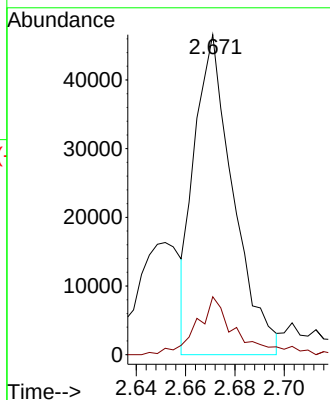
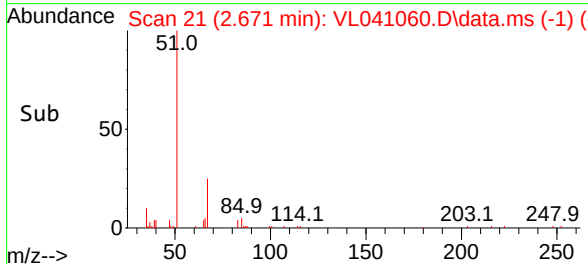
Instrument :
MSVOA_L
ClientSampleId :
OA1



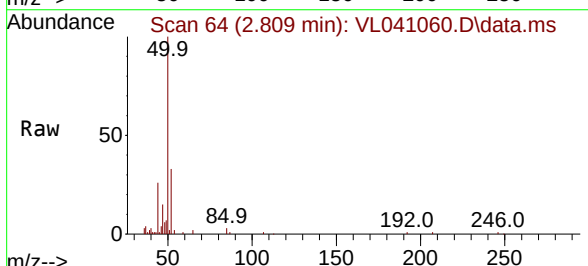
Tgt Ion: 51 Resp: 50850
Ion Ratio Lower Upper
51 100
67 18.9 14.8 22.2

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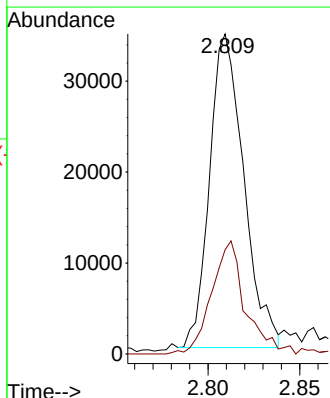
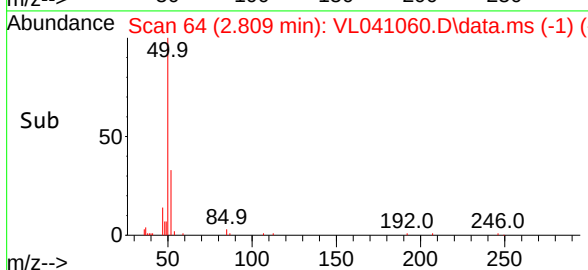
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

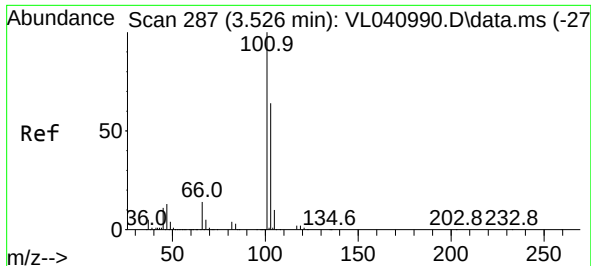


#4
Chloromethane
Concen: 0.655 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25



Tgt Ion: 50 Resp: 44756
Ion Ratio Lower Upper
50 100
52 32.2 26.2 39.4





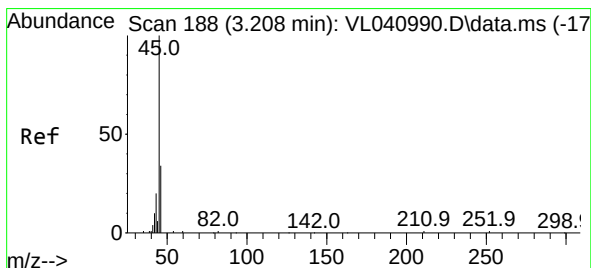
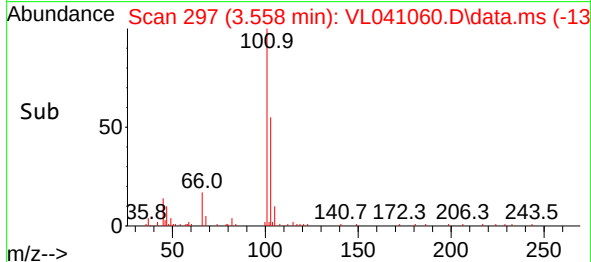
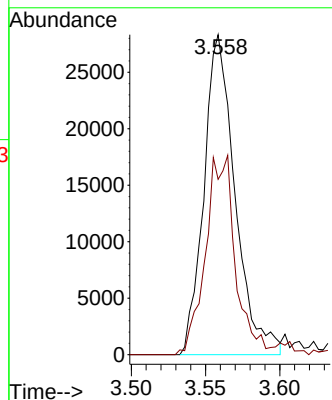
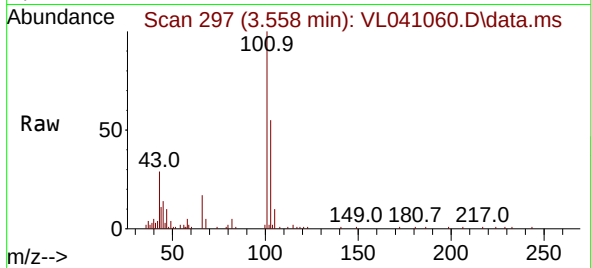
#11
Trichlorofluoromethane
Concen: 0.215 ppbv
RT: 3.558 min Scan# 241
Delta R.T. 0.010 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 41398
Ion Ratio Lower Upper
101 100
103 53.3 51.4 77.2

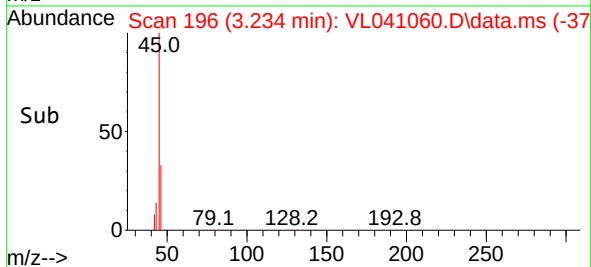
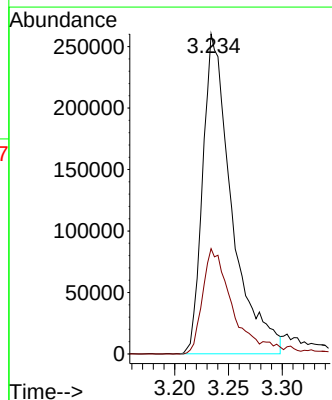
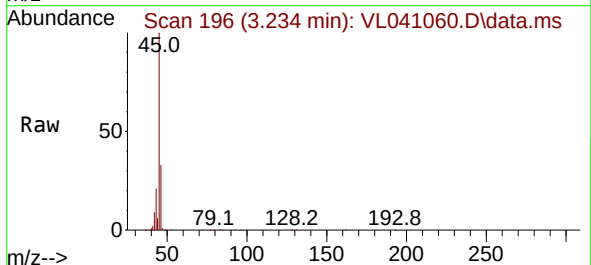
Manual Integrations
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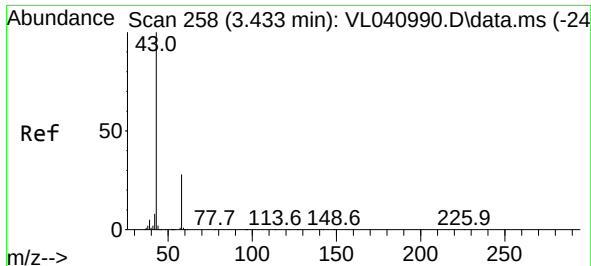
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#13
Ethanol
Concen: 34.251 ppbv
RT: 3.234 min Scan# 196
Delta R.T. 0.010 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25

Tgt Ion: 45 Resp: 488060
Ion Ratio Lower Upper
45 100
46 36.3 16.2 64.8





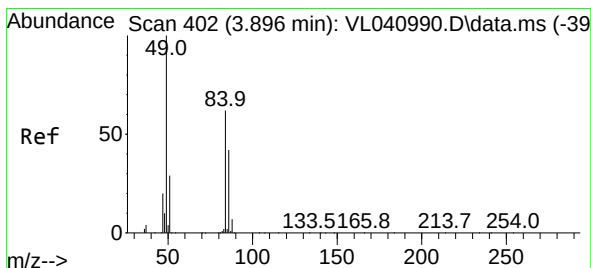
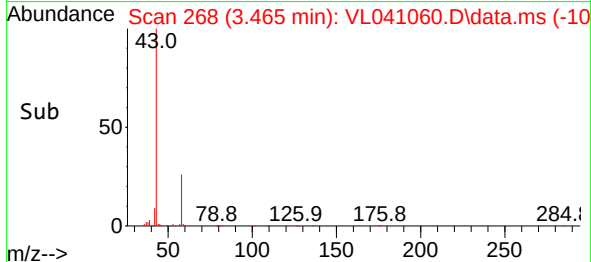
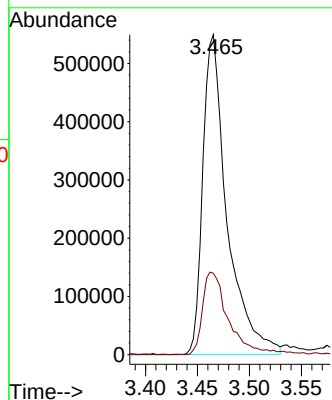
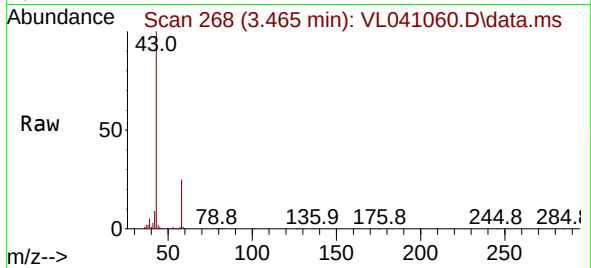
#15
Acetone
Concen: 6.421 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 88987
Ion Ratio Lower Upper
43 100
58 27.9 22.2 33.2

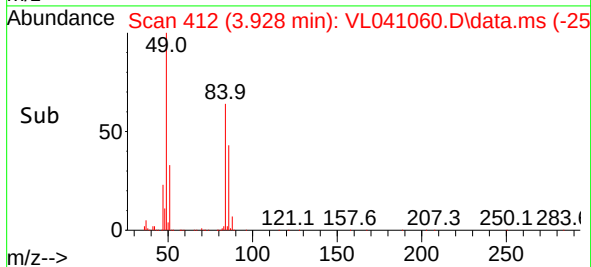
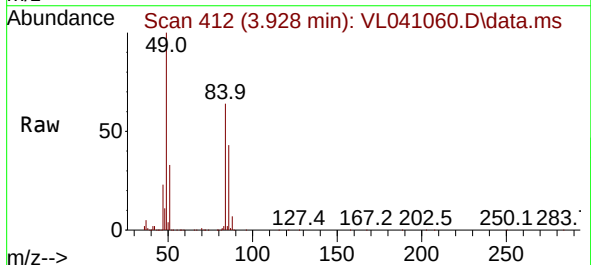
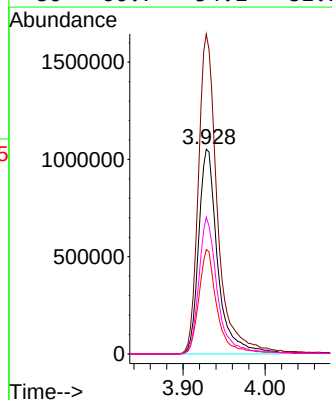
Manual Integrations
APPROVED

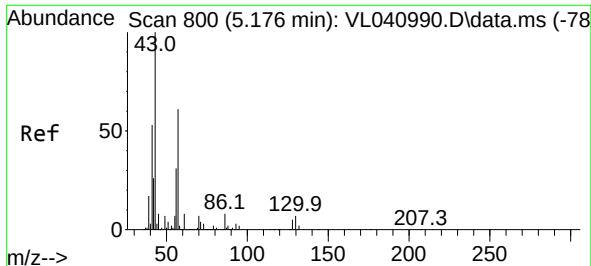
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#20
Methylene Chloride
Concen: 32.014 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.010 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25

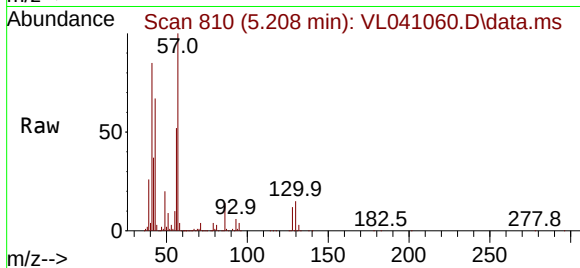
Tgt Ion: 84 Resp: 1707255
Ion Ratio Lower Upper
84 100
49 156.1 128.1 192.1
51 51.0 36.5 54.7
86 66.7 54.1 81.1





#26
Hexane
Concen: 11.707 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25

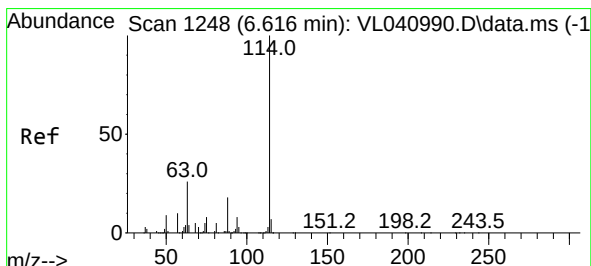
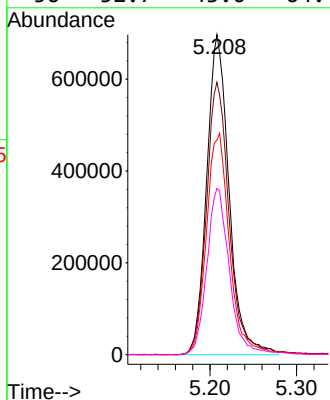
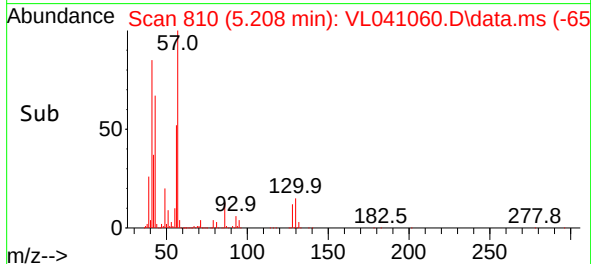
Instrument :
MSVOA_L
ClientSampleId :
OA1



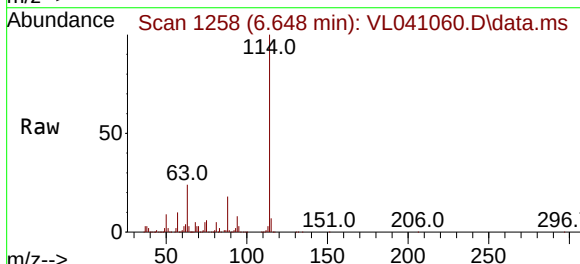
Tgt Ion: 57 Resp: 1253920
Ion Ratio Lower Upper
57 100
41 88.3 74.4 111.6
43 72.0 190.6 285.8
56 52.7 43.0 64.4

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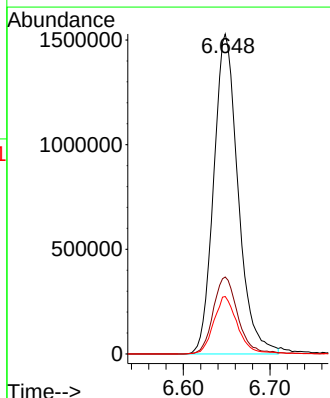
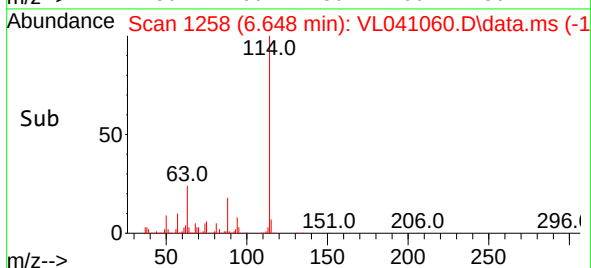
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

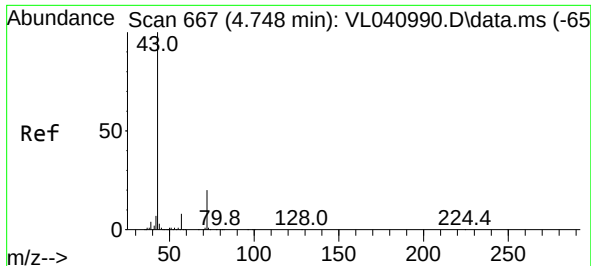


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25



Tgt Ion:114 Resp: 2992380
Ion Ratio Lower Upper
114 100
63 24.5 20.8 31.2
88 17.7 14.3 21.5





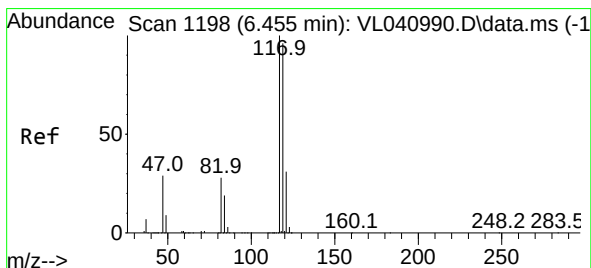
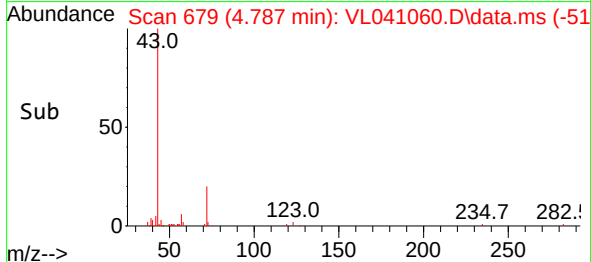
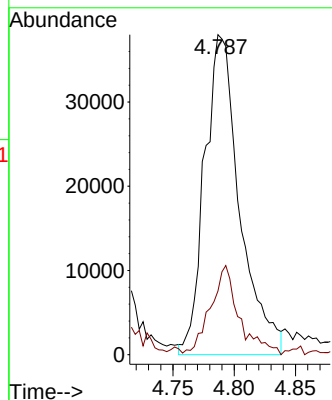
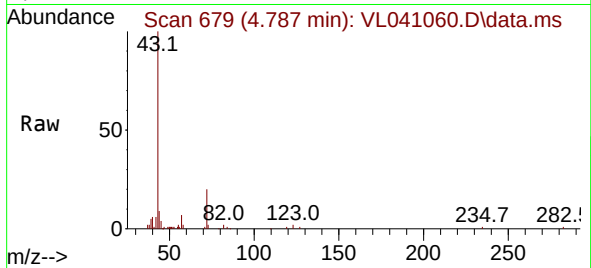
#34
2-Butanone
Concen: 0.531 ppbv m
RT: 4.787 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 7576
Ion Ratio Lower Upper
43 100
72 23.0 17.5 26.3

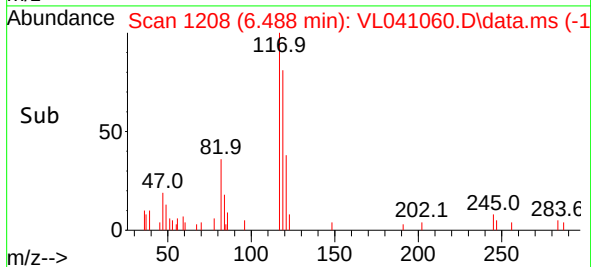
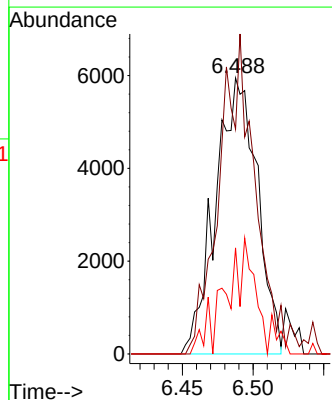
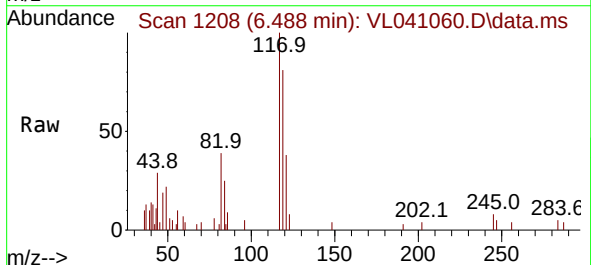
Manual Integrations
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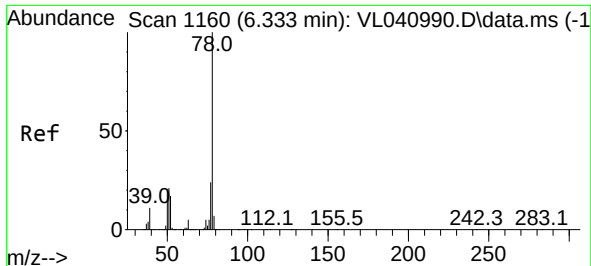
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 6.488 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25

Tgt Ion:117 Resp: 12222
Ion Ratio Lower Upper
117 100
119 81.4 76.9 115.3
121 38.4 24.7 37.1#





#36

Benzene

Concen: 0.304 ppbv

RT: 6.365 min Scan# 1160

Delta R.T. 0.006 min

Lab File: VL041060.D

Acq: 9 Feb 2024 16:25

Instrument :

MSVOA_L

ClientSampleId :

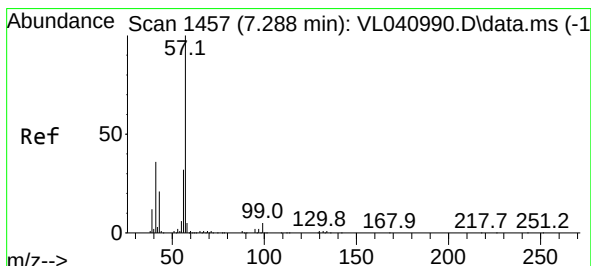
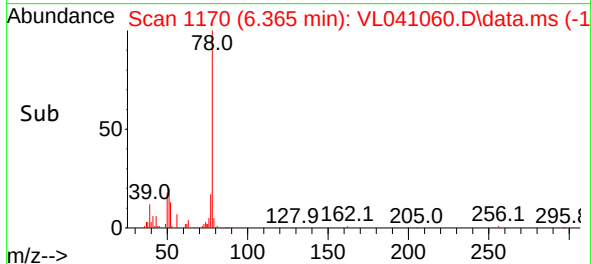
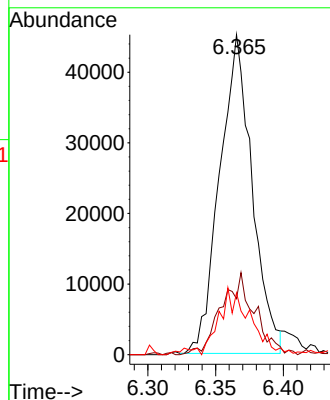
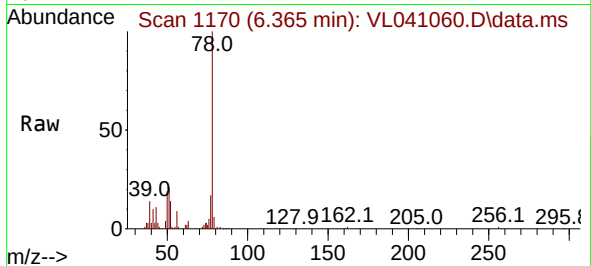
OA1

Tgt Ion: 78 Resp: 75000
 Ion Ratio Lower Upper
 78 100
 77 17.6 19.0 28.4#
 50 18.5 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: 0.103 ppbv

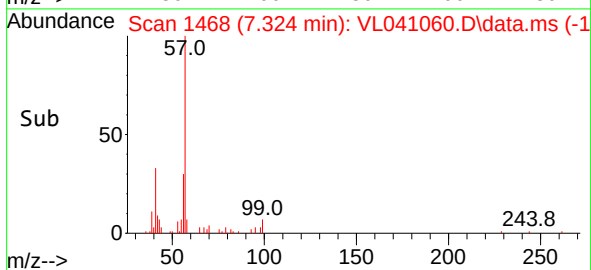
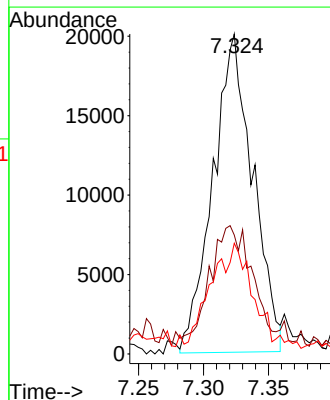
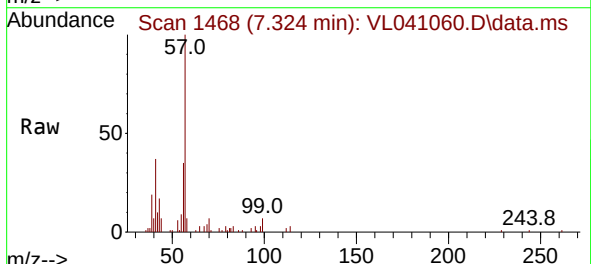
RT: 7.324 min Scan# 1468

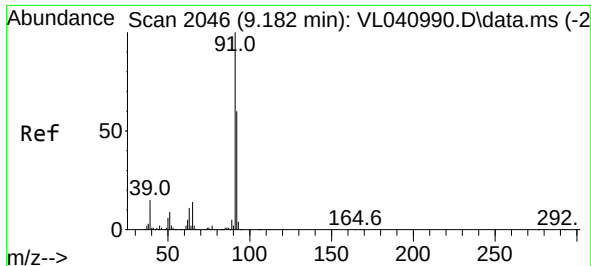
Delta R.T. 0.010 min

Lab File: VL041060.D

Acq: 9 Feb 2024 16:25

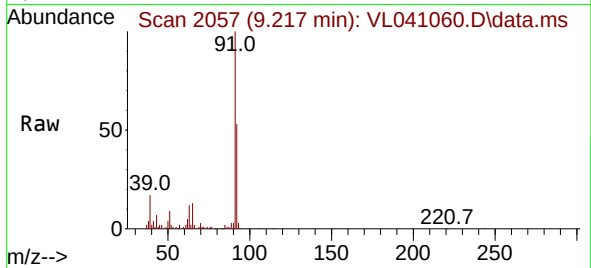
Tgt Ion: 57 Resp: 42904
 Ion Ratio Lower Upper
 57 100
 41 43.3 28.6 43.0#
 56 42.6 25.2 37.8#





#53
Toluene
Concen: 0.545 ppbv
RT: 9.217 min Scan# 2046
Delta R.T. 0.010 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25

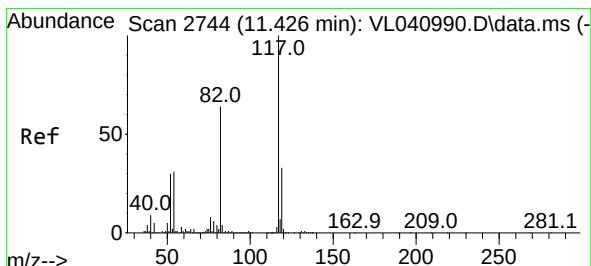
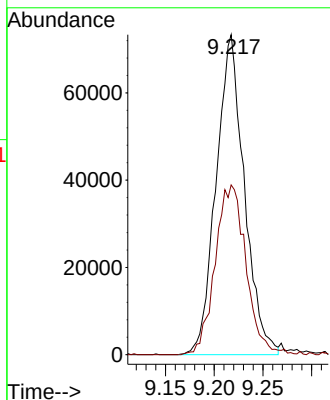
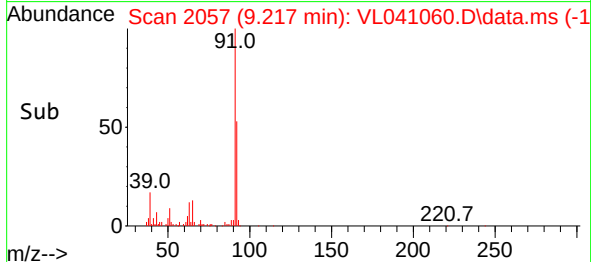
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 91 Resp: 147449
Ion Ratio Lower Upper
91 100
92 58.2 48.6 72.8

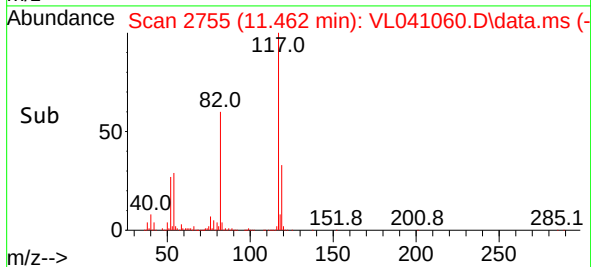
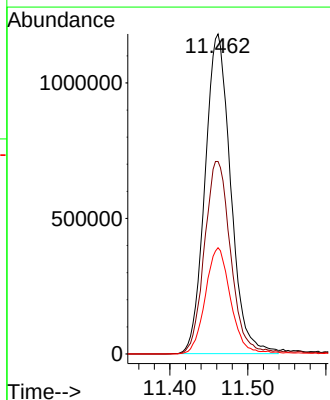
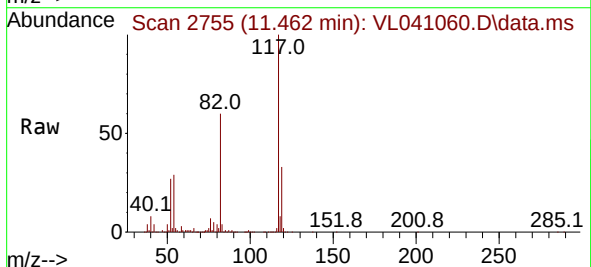
Manual Integrations
APPROVED

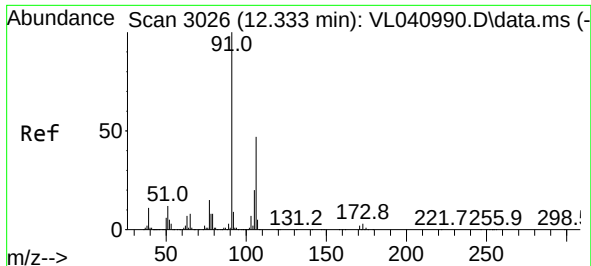
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. 0.010 min
Lab File: VL041060.D
Acq: 9 Feb 2024 16:25

Tgt Ion:117 Resp: 2705955
Ion Ratio Lower Upper
117 100
82 62.8 51.7 77.5
119 33.3 23.8 35.6





#59

m/p-Xylene

Concen: 0.217 ppbv m

RT: 12.365 min Scan# 3026

Delta R.T. 0.010 min

Lab File: VL041060.D

Acq: 9 Feb 2024 16:25

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 91 Resp: 6863

Ion Ratio Lower Upper

91 100

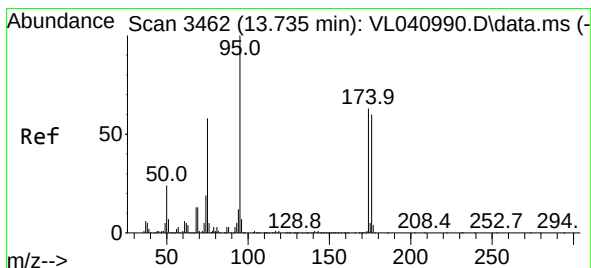
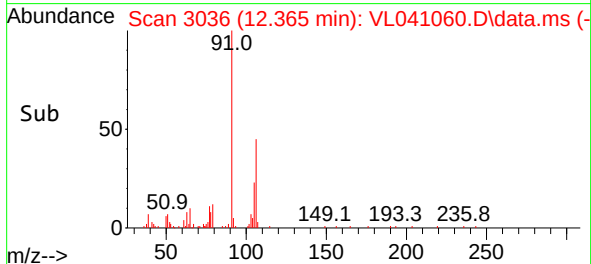
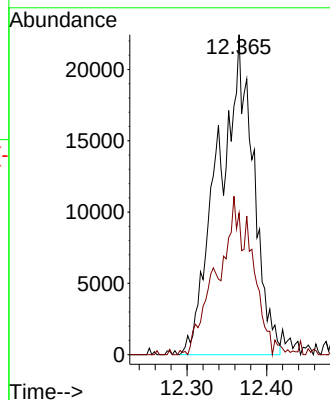
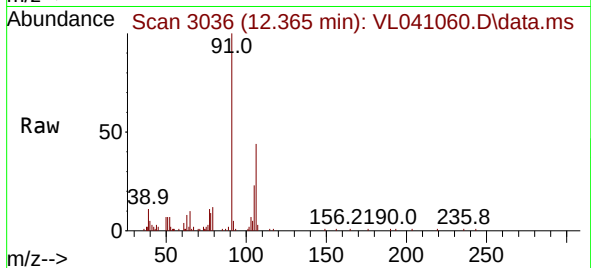
106 50.0 34.9 52.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/12/2024

Supervised By :Mahesh Dadoda 02/12/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.839 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. 0.010 min

Lab File: VL041060.D

Acq: 9 Feb 2024 16:25

Tgt Ion: 95 Resp: 2010862

Ion Ratio Lower Upper

95 100

174 65.6 49.1 73.7

175 4.9 3.7 5.5

