

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041410.D
 Acq On : 26 Jul 2024 7:22
 Operator : SY/MD
 Sample : P3320-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/29/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 29 01:44:41 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Fri Jul 26 07:31:14 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	1084053	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2953868	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2551447	10.000	ppbv	#-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1843845	9.391	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	35069	0.188	ppbv	97
3) Chlorodifluoromethane	2.652	51	64721	0.502	ppbv	97
4) Chloromethane	2.793	50	34849	0.508	ppbv	88
9) Propene	2.681	41	30787m	0.519	ppbv	
10) Heptane	7.565	43	24880m	0.187	ppbv	
11) Trichlorofluoromethane	3.542	101	35120	0.212	ppbv	100
13) Ethanol	3.217	45	931387	175.779	ppbv	98
15) Acetone	3.446	43	925352	7.513	ppbv	99
19) Isopropyl Alcohol	3.558	45	509647	7.078	ppbv #	97
20) Methylene Chloride	3.912	84	371853	8.096	ppbv	95
26) Hexane	5.192	57	303947	2.994	ppbv #	50
34) 2-Butanone	4.774	43	52735m	0.369	ppbv	
35) Carbon Tetrachloride	6.468	117	10578m	0.065	ppbv	
36) Benzene	6.346	78	33469m	0.155	ppbv	
53) Toluene	9.204	91	71327m	0.297	ppbv	
59) m/p-Xylene	12.330	91	42637m	0.168	ppbv	

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

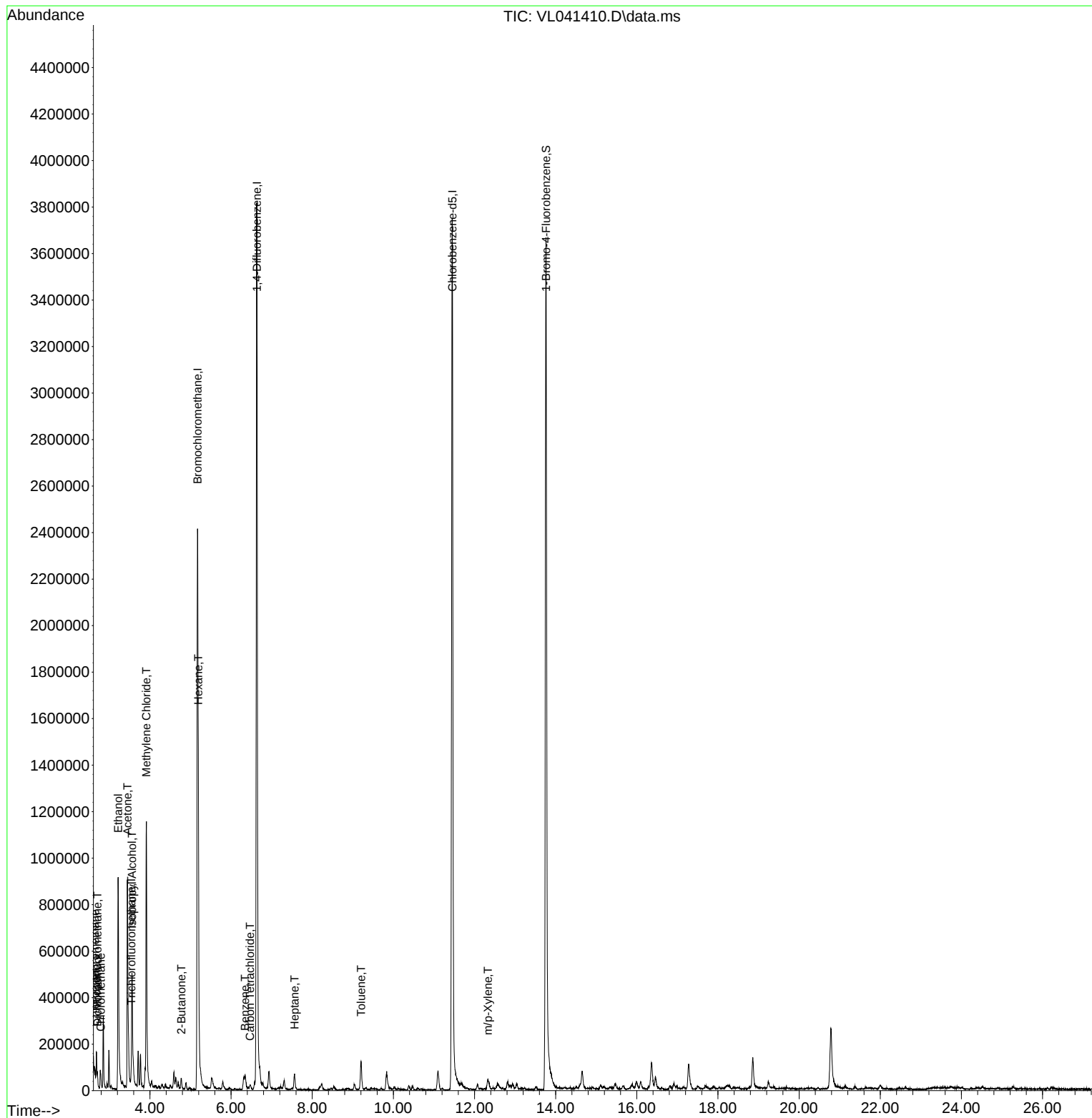
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041410.D
Acq On : 26 Jul 2024 7:22
Operator : SY/MD
Sample : P3320-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

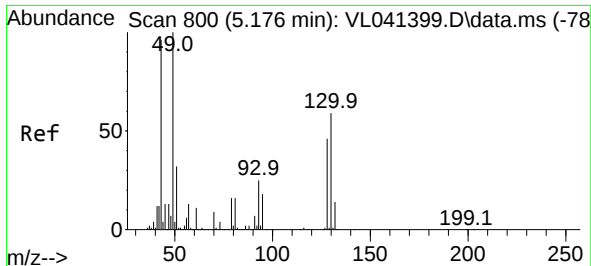
Instrument :
MSVOA_L
ClientSampleId :
1

Quant Time: Jul 29 01:44:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Jul 26 07:31:14 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

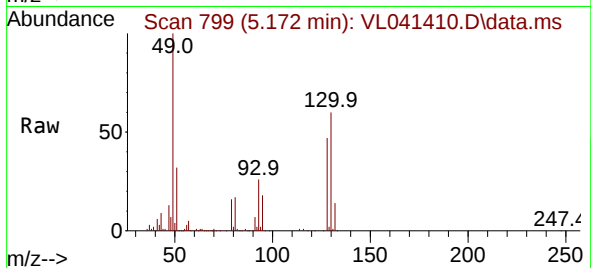
Reviewed By : Semsettin Yesilyurt 07/29/2024
Supervised By : Mahesh Dadoda 07/29/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.172 min Scan# 79
Delta R.T. -0.004 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

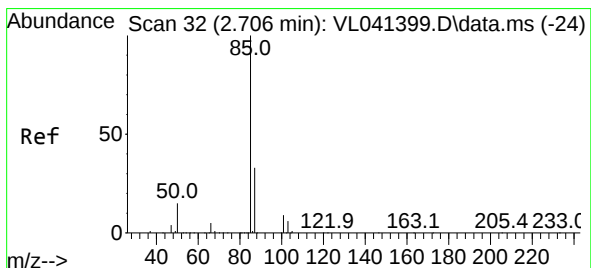
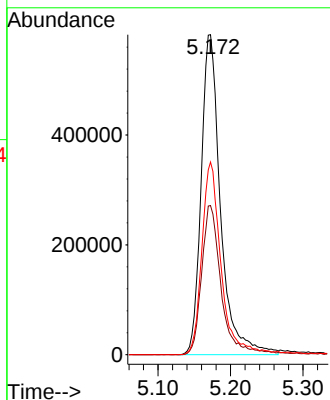
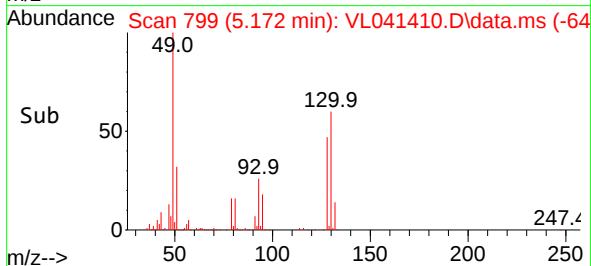
Instrument :
MSVOA_L
ClientSampleId :
1



Tgt Ion: 49 Resp: 108405
Ion Ratio Lower Upper
49 100
128 47.3 23.8 71.4
130 61.1 30.8 92.4

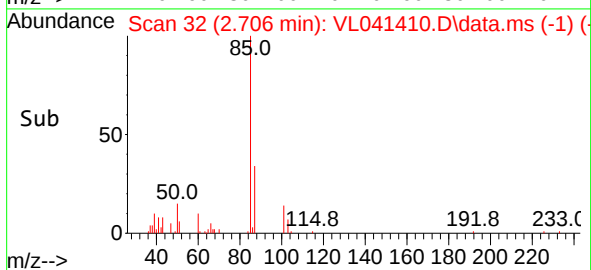
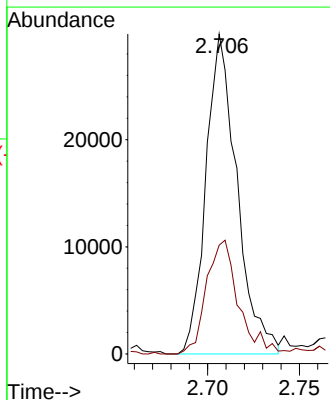
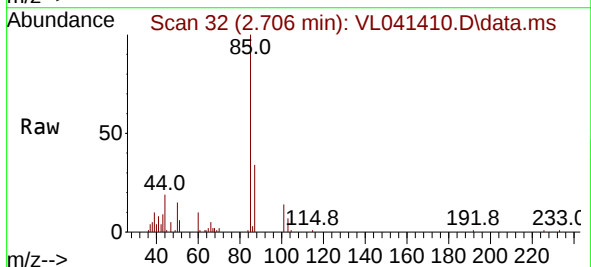
Manual Integrations
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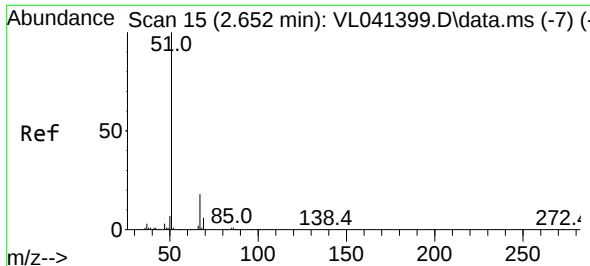
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#2
Dichlorodifluoromethane
Concen: 0.188 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.000 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

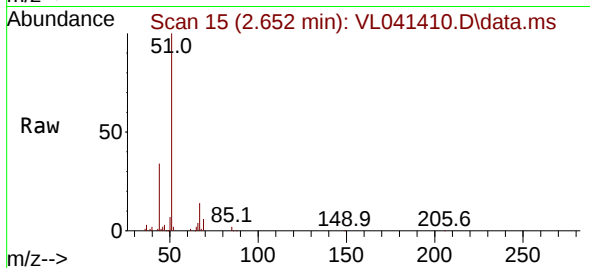
Tgt Ion: 85 Resp: 35069
Ion Ratio Lower Upper
85 100
87 34.0 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.502 ppbv
RT: 2.652 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

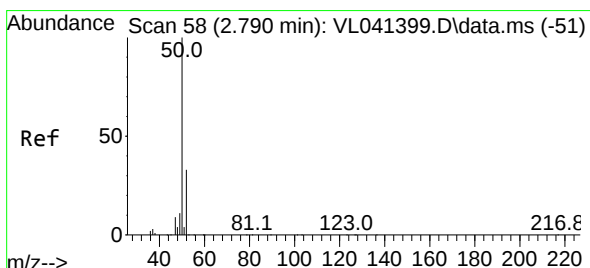
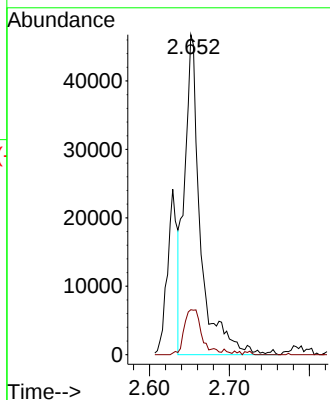
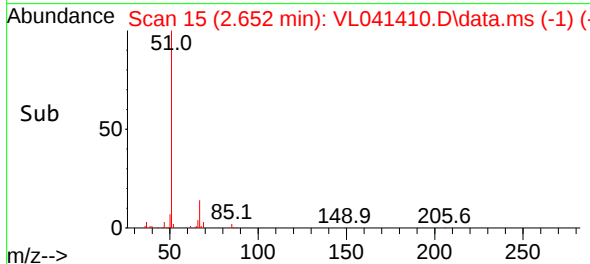
Instrument :
MSVOA_L
ClientSampleId :
1



Tgt Ion: 51 Resp: 6472
Ion Ratio Lower Upper
51 100
67 16.7 14.5 21.7

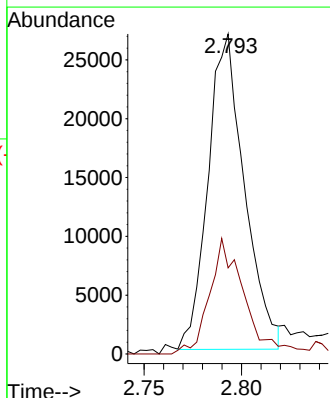
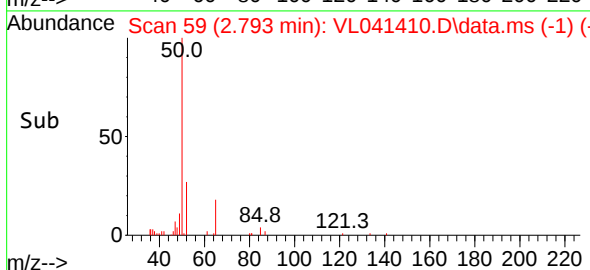
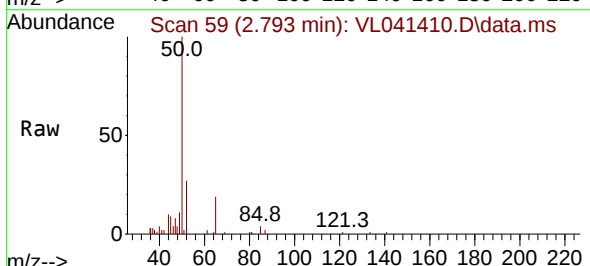
Manual Integrations
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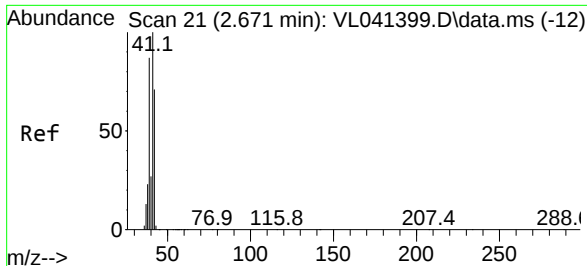
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#4
Chloromethane
Concen: 0.508 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.003 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

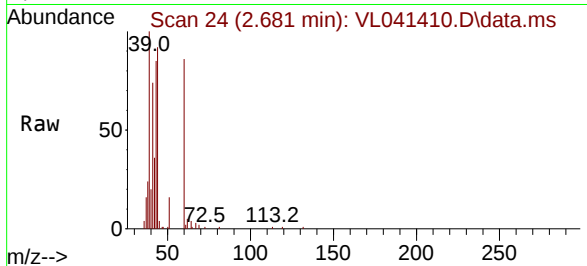
Tgt Ion: 50 Resp: 34849
Ion Ratio Lower Upper
50 100
52 26.1 26.1 39.1





#9
 Propene
 Concen: 0.519 ppbv m
 RT: 2.681 min Scan# 24
 Delta R.T. 0.010 min
 Lab File: VL041410.D
 Acq: 26 Jul 2024 7:22

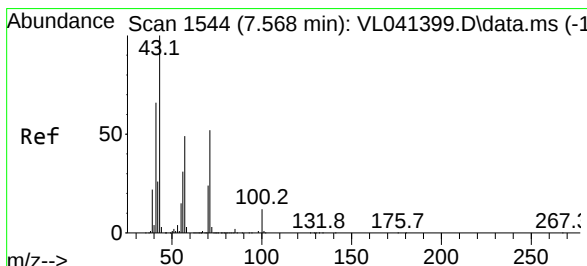
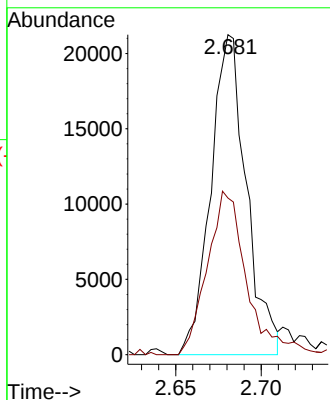
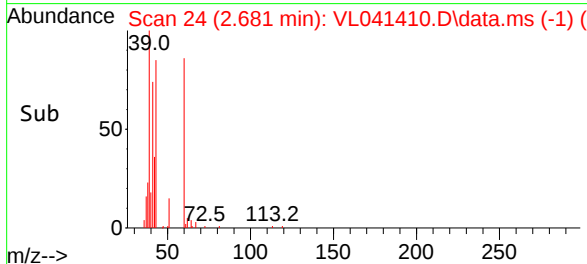
Instrument :
 MSVOA_L
 ClientSampleId :
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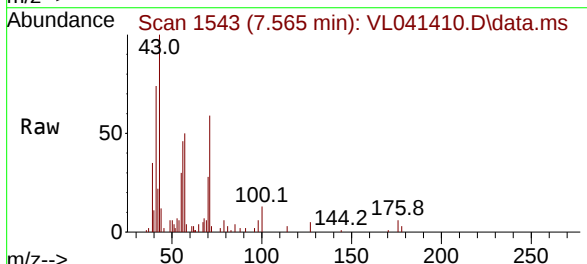
Tgt Ion: 41 Resp: 3078
 Ion Ratio Lower Upper
 41 100
 42 56.9 55.9 83.9

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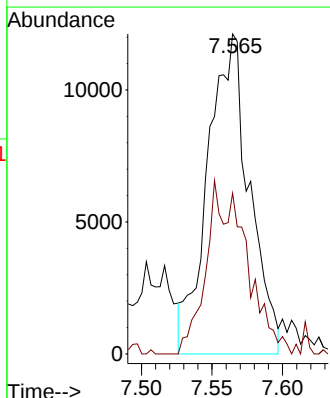
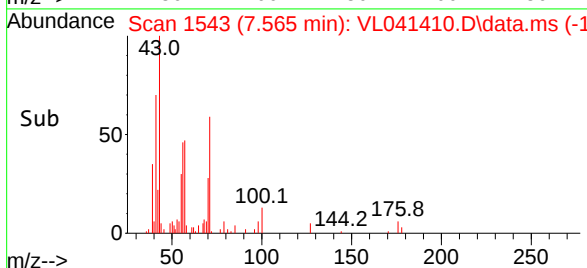
Reviewed By :Semsettin Yesilyurt 07/29/2024
 Supervised By :Mahesh Dadoda 07/29/2024

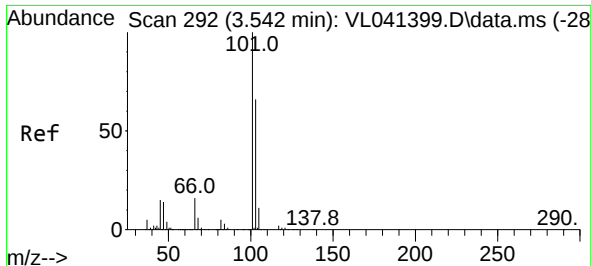


#10
 Heptane
 Concen: 0.187 ppbv m
 RT: 7.565 min Scan# 1543
 Delta R.T. -0.003 min
 Lab File: VL041410.D
 Acq: 26 Jul 2024 7:22



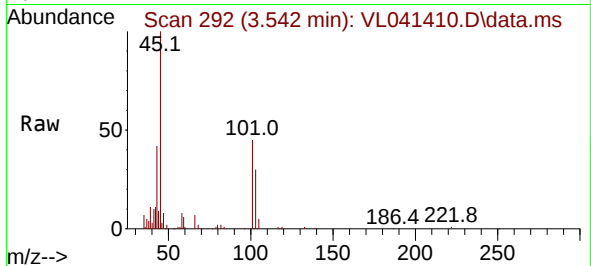
Tgt Ion: 43 Resp: 24880
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.5 60.7#





#11
Trichlorofluoromethane
Concen: 0.212 ppbv
RT: 3.542 min Scan# 292
Delta R.T. -0.000 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

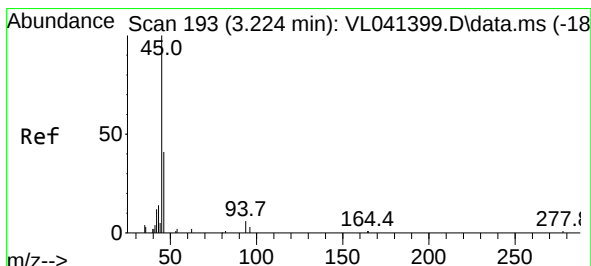
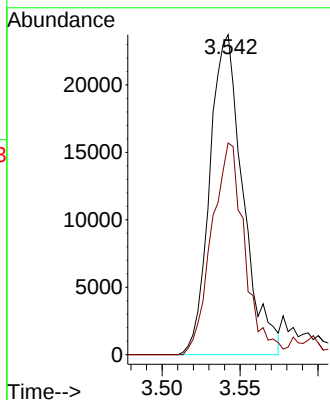
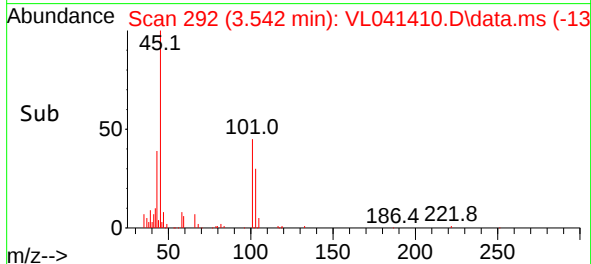
Instrument :
MSVOA_L
ClientSampleId :
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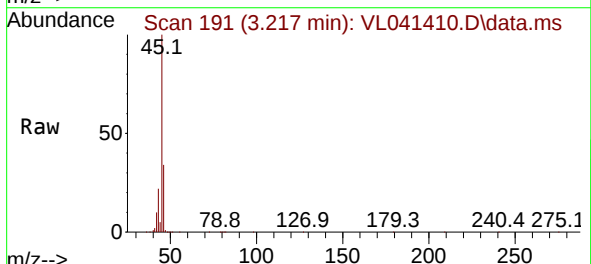
Tgt Ion:101 Resp: 35120
Ion Ratio Lower Upper
101 100
103 66.1 52.6 79.0

Manual Integrations
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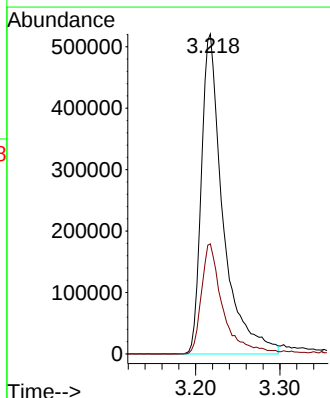
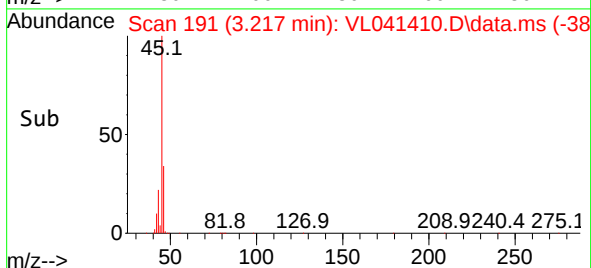
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024

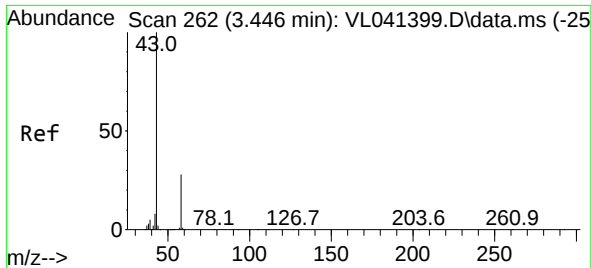


#13
Ethanol
Concen: 175.779 ppbv
RT: 3.217 min Scan# 191
Delta R.T. -0.007 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22



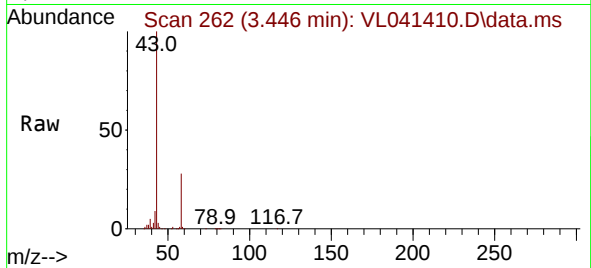
Tgt Ion: 45 Resp: 931387
Ion Ratio Lower Upper
45 100
46 34.7 13.4 53.4





#15
Acetone
Concen: 7.513 ppbv
RT: 3.446 min Scan# 20
Delta R.T. -0.000 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

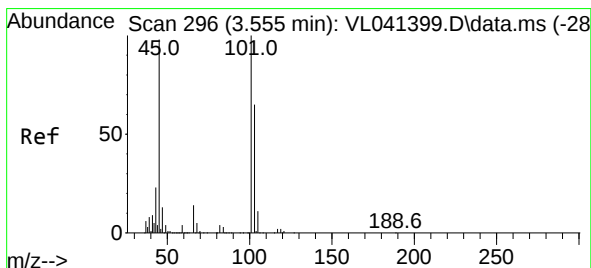
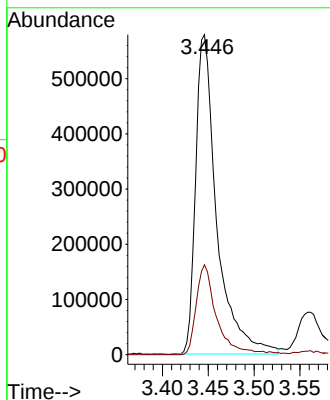
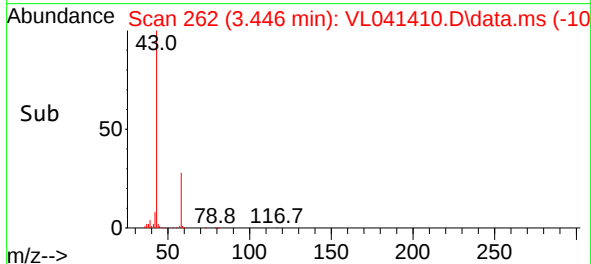
Instrument :
MSVOA_L
ClientSampleId :
1



Tgt Ion: 43 Resp: 925352
Ion Ratio Lower Upper
43 100
58 27.4 21.4 32.2

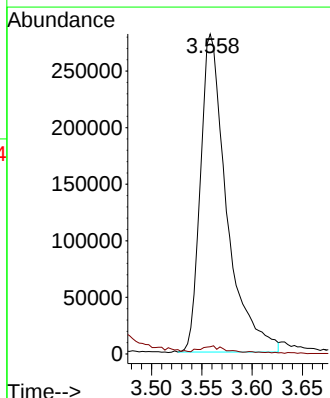
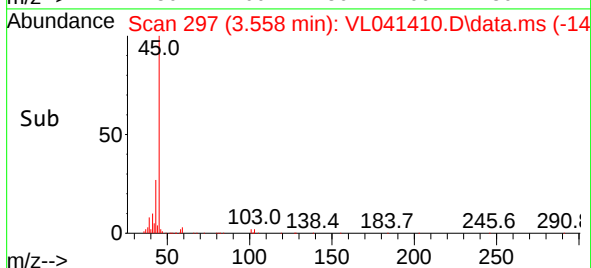
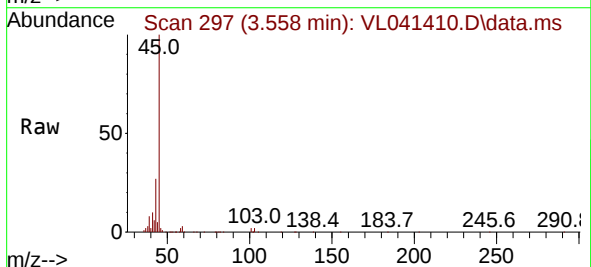
Manual Integrations
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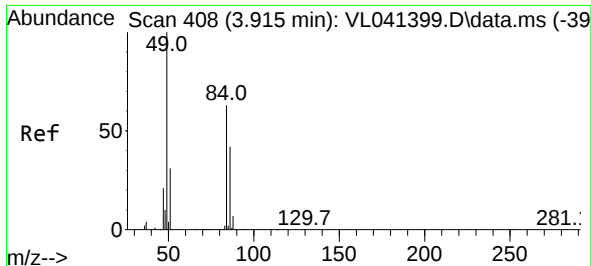
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#19
Isopropyl Alcohol
Concen: 7.078 ppbv
RT: 3.558 min Scan# 297
Delta R.T. 0.003 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

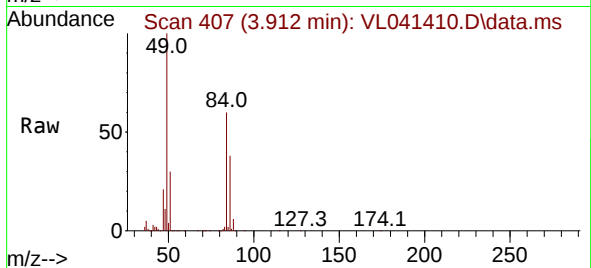
Tgt Ion: 45 Resp: 509647
Ion Ratio Lower Upper
45 100
58 3.5 1.9 2.9#





#20
Methylene Chloride
Concen: 8.096 ppbv
RT: 3.912 min Scan# 408
Delta R.T. -0.003 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

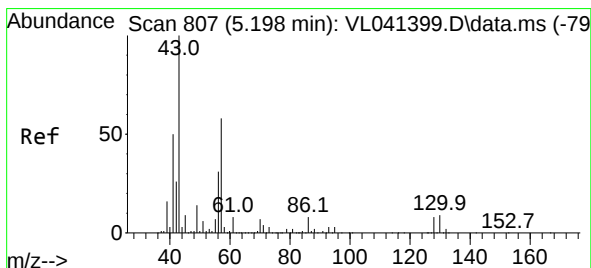
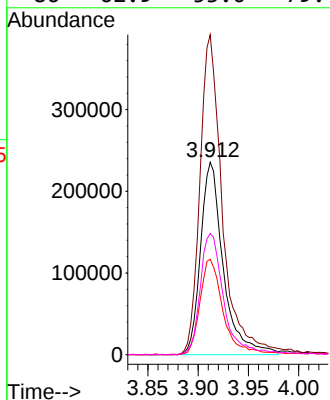
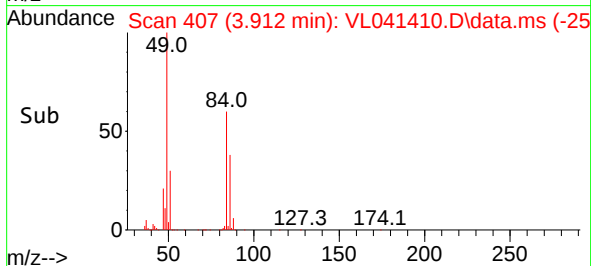
Instrument :
MSVOA_L
ClientSampleId :
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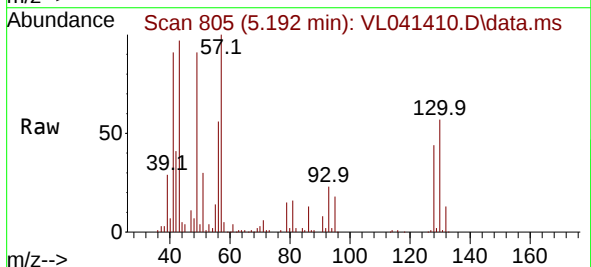
Tgt Ion: 84 Resp: 37185
Ion Ratio Lower Upper
84 100
49 166.1 126.6 190.0
51 49.6 38.6 58.0
86 62.9 53.0 79.4

Manual Integrations
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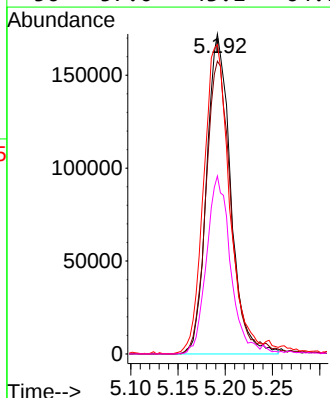
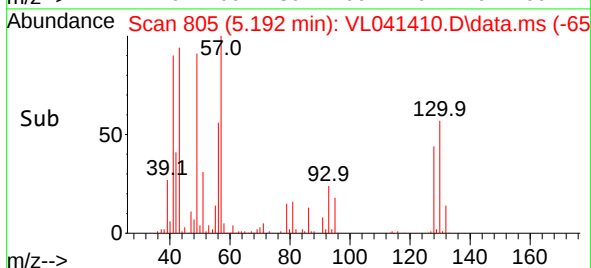
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024

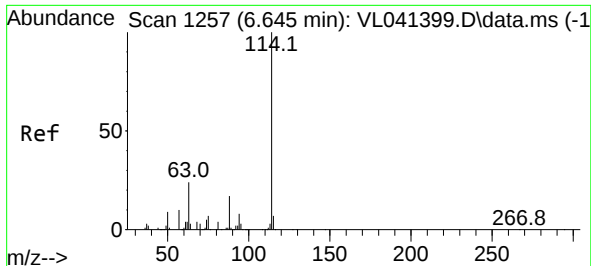


#26
Hexane
Concen: 2.994 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.006 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22



Tgt Ion: 57 Resp: 303947
Ion Ratio Lower Upper
57 100
41 96.2 74.0 111.0
43 108.0 193.6 290.4#
56 57.0 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 1

Delta R.T. -0.010 min

Lab File: VL041410.D

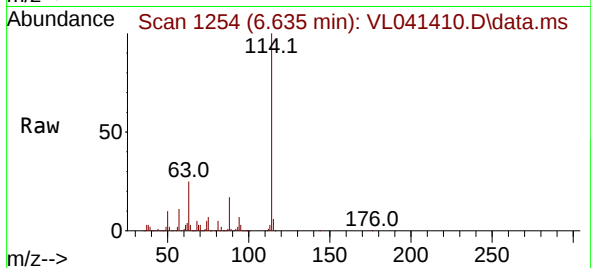
Acq: 26 Jul 2024 7:22

Instrument :

MSVOA_L

ClientSampleId :

1



Tgt Ion:114 Resp: 295386

Ion Ratio Lower Upper

114 100

63 24.6 20.3 30.5

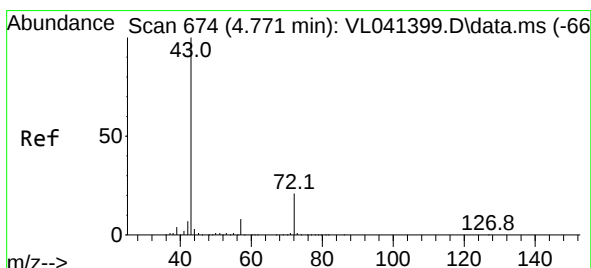
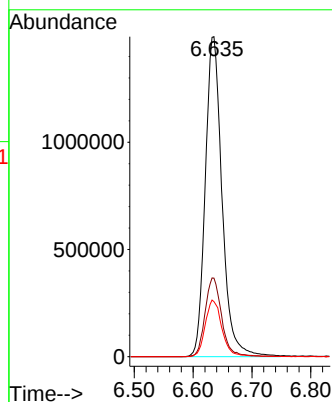
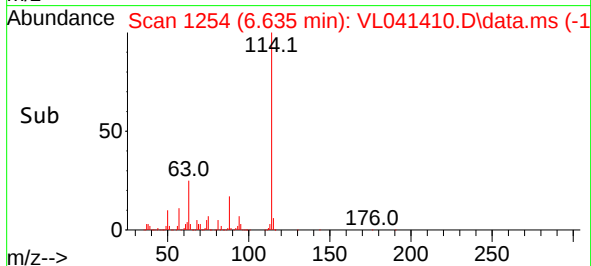
88 17.7 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/29/2024

Supervised By :Mahesh Dadoda 07/29/2024



#34

2-Butanone

Concen: 0.369 ppbv m

RT: 4.774 min Scan# 675

Delta R.T. 0.003 min

Lab File: VL041410.D

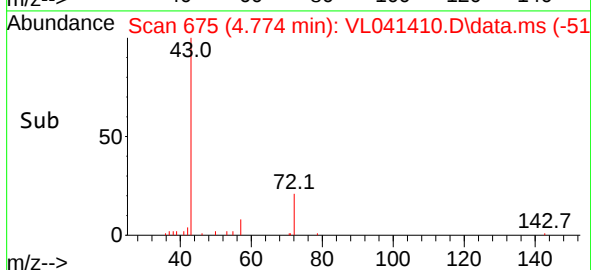
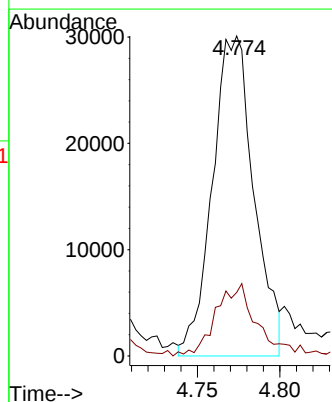
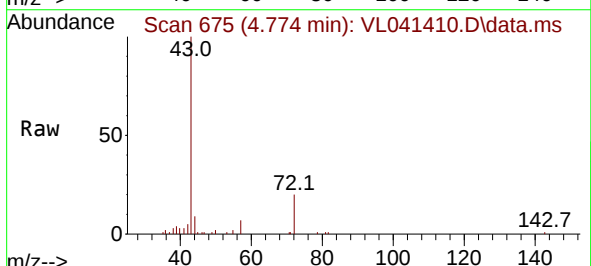
Acq: 26 Jul 2024 7:22

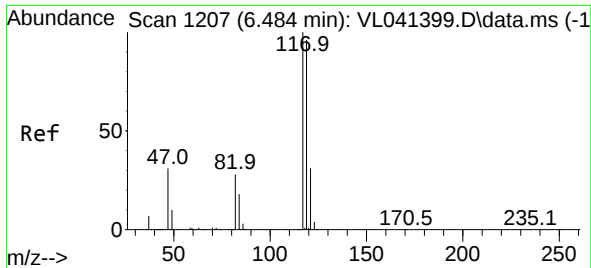
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Ion Ratio Lower Upper

43 100

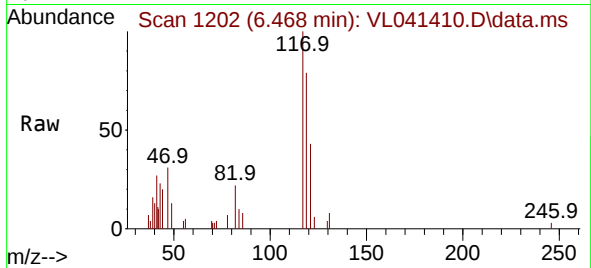
72 0.0 17.3 25.9#





#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 6.468 min Scan# 1164
Delta R.T. -0.016 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

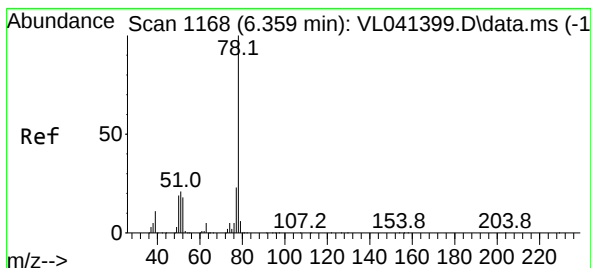
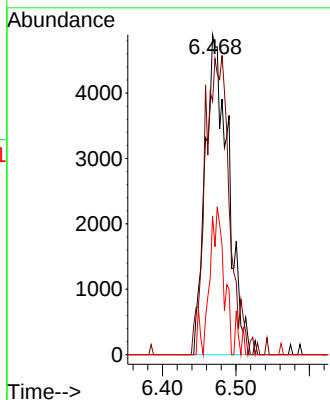
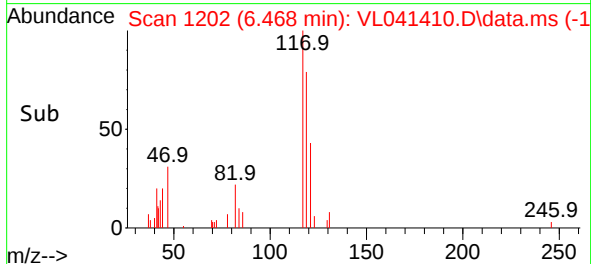
Instrument :
MSVOA_L
ClientSampleId :
1



Tgt Ion: 117 Resp: 10578
Ion Ratio Lower Upper
117 100
119 79.2 76.6 115.0
121 43.2 25.1 37.7

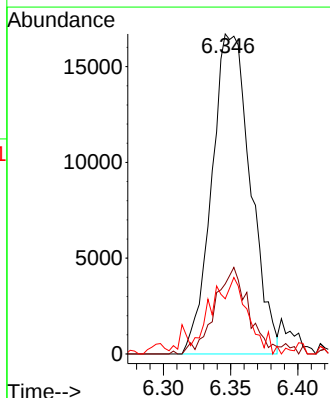
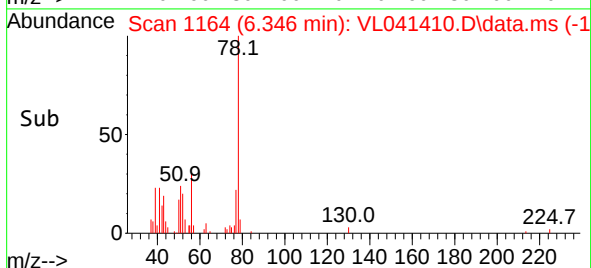
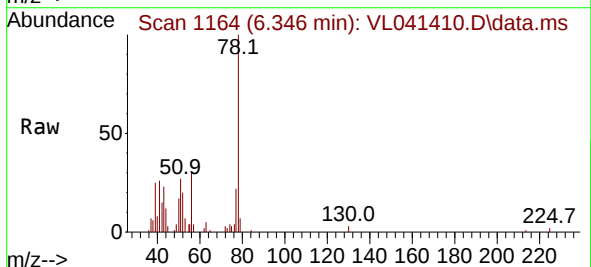
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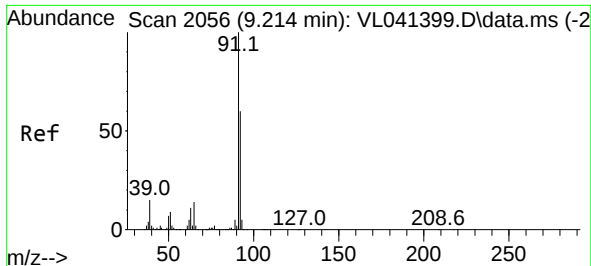
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#36
Benzene
Concen: 0.155 ppbv m
RT: 6.346 min Scan# 1164
Delta R.T. -0.013 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

Tgt Ion: 78 Resp: 33469
Ion Ratio Lower Upper
78 100
77 21.9 18.1 27.1
50 17.3 15.5 23.3





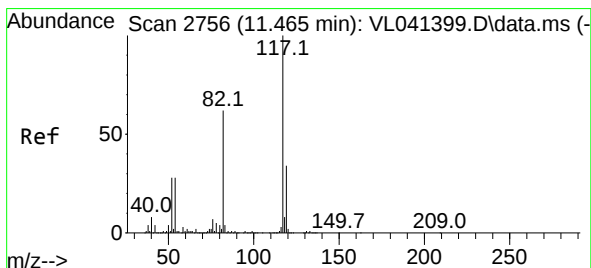
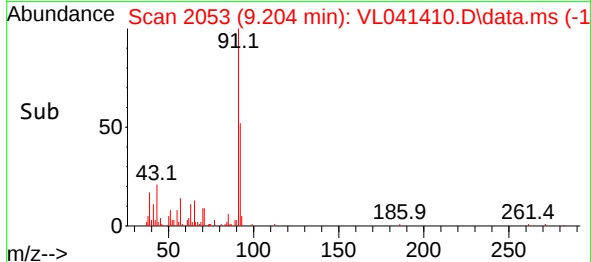
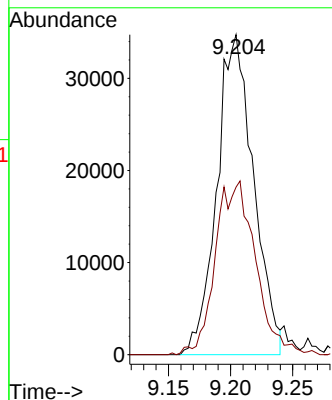
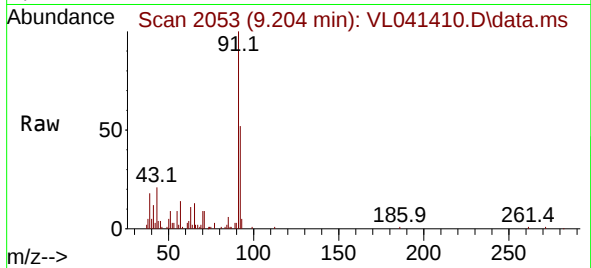
#53
Toluene
Concen: 0.297 ppbv m
RT: 9.204 min Scan# 2056
Delta R.T. -0.010 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

Instrument :
MSVOA_L
ClientSampleId :
1

Tgt Ion: 91 Resp: 7132
Ion Ratio Lower Upper
91 100
92 59.3 48.7 73.1

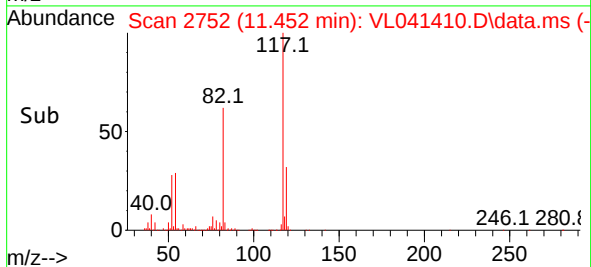
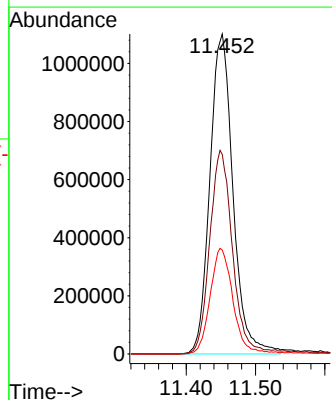
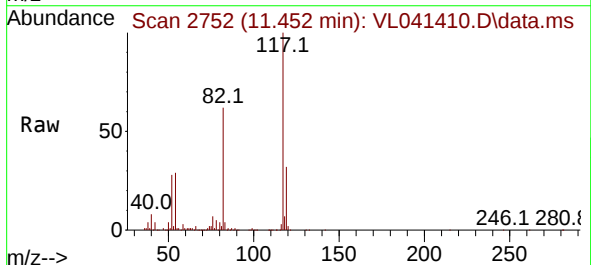
Manual Integrations
APPROVED

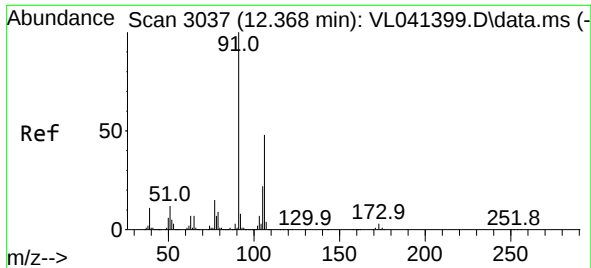
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. -0.013 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

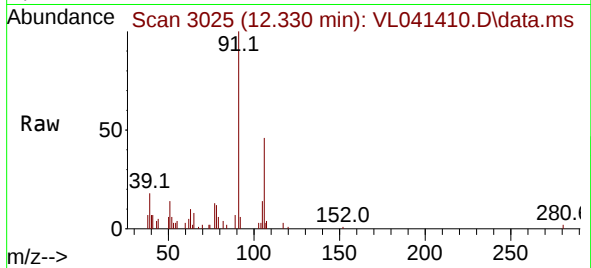
Tgt Ion:117 Resp: 2551447
Ion Ratio Lower Upper
117 100
82 63.6 51.0 76.6
119 33.2 45.2 67.8#





#59
m/p-Xylene
Concen: 0.168 ppbv m
RT: 12.330 min Scan# 3037
Delta R.T. -0.039 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

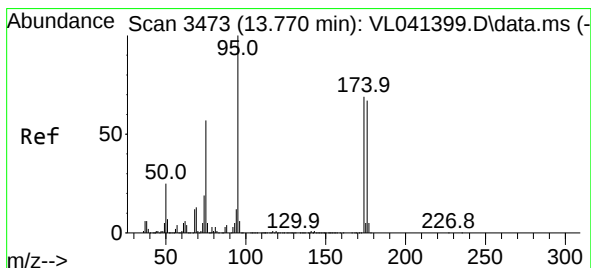
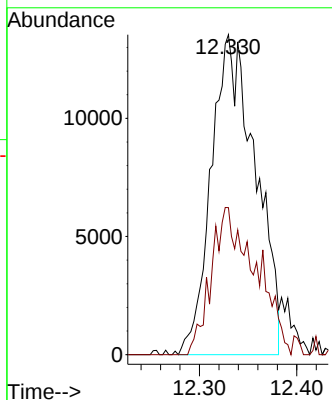
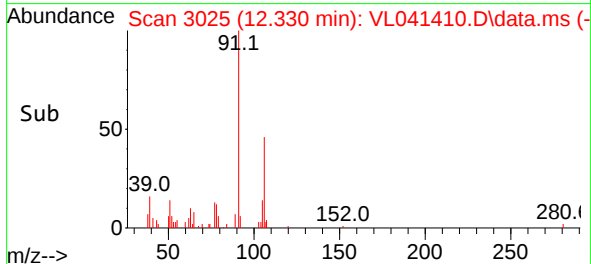
Instrument :
MSVOA_L
ClientSampleId :
1



Tgt Ion: 91 Resp: 4263
Ion Ratio Lower Upper
91 100
106 0.0 36.3 54.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.391 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.007 min
Lab File: VL041410.D
Acq: 26 Jul 2024 7:22

Tgt Ion: 95 Resp: 1843845
Ion Ratio Lower Upper
95 100
174 72.7 56.3 84.5
175 5.2 4.0 6.0

