

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041415.D
 Acq On : 26 Jul 2024 10:45
 Operator : SY/MD
 Sample : P3356-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 2

Manual Integrations
 APPROVED

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

Quant Time: Jul 29 01:47:10 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	931602	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2568798	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2443059	10.000	ppbv	#-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1820709	9.684	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	37587	0.235	ppbv	93
3) Chlorodifluoromethane	2.652	51	42478m	0.383	ppbv	
4) Chloromethane	2.796	50	36301	0.615	ppbv	94
9) Propene	2.677	41	60286	1.183	ppbv	87
10) Heptane	7.565	43	17596m	0.154	ppbv	
11) Trichlorofluoromethane	3.546	101	34342	0.241	ppbv	98
13) Ethanol	3.218	45	1102864	242.203	ppbv	98
15) Acetone	3.449	43	664035	6.273	ppbv	100
19) Isopropyl Alcohol	3.562	45	353154	5.707	ppbv #	94
20) Methylene Chloride	3.912	84	1331535	33.734	ppbv	99
26) Hexane	5.195	57	645807	7.403	ppbv #	38
34) 2-Butanone	4.767	43	72326	0.582	ppbv	97
35) Carbon Tetrachloride	6.484	117	9285m	0.066	ppbv	
36) Benzene	6.349	78	28939m	0.154	ppbv	
44) 2,2,4-Trimethylpentane	7.311	57	32410m	0.103	ppbv	
53) Toluene	9.204	91	73723	0.353	ppbv	97
59) m/p-Xylene	12.323	91	34184m	0.141	ppbv	

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

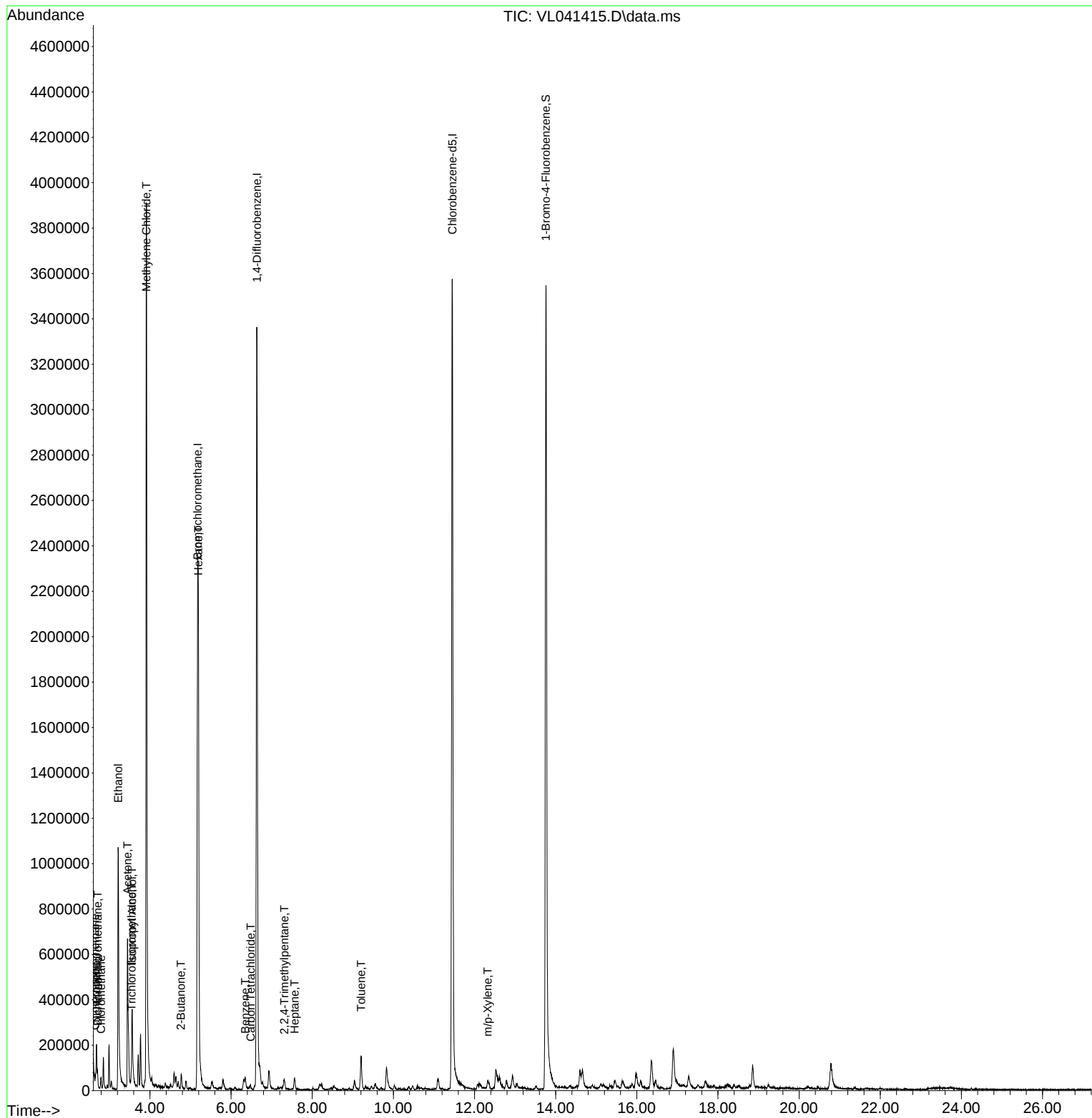
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041415.D
Acq On : 26 Jul 2024 10:45
Operator : SY/MD
Sample : P3356-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

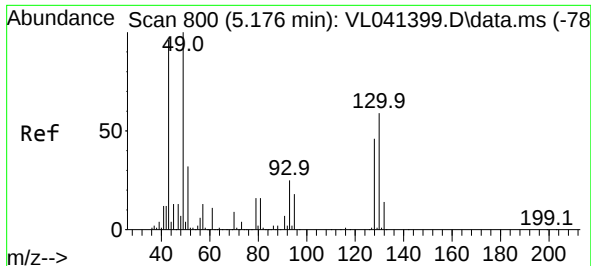
Instrument :
MSVOA_L
ClientSampleId :
2

Quant Time: Jul 29 01:47:10 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

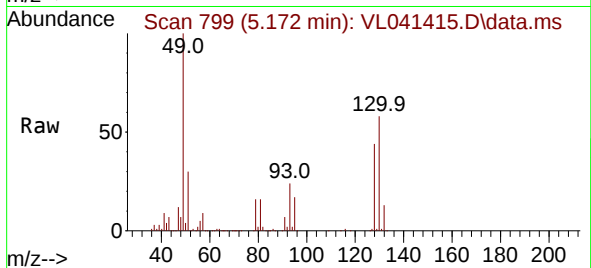
Reviewed By : Semsettin Yesilyurt 07/29/2024
Supervised By : Mahesh Dadoda 07/29/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.172 min Scan# 79
Delta R.T. -0.004 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

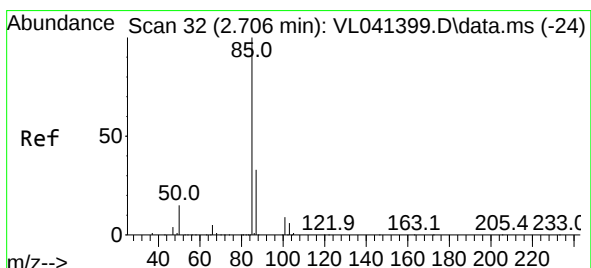
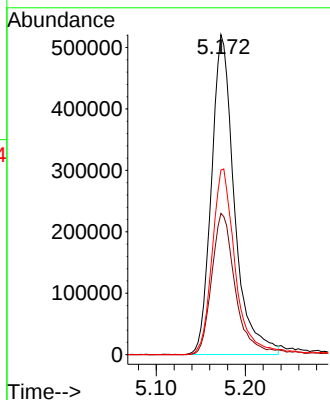
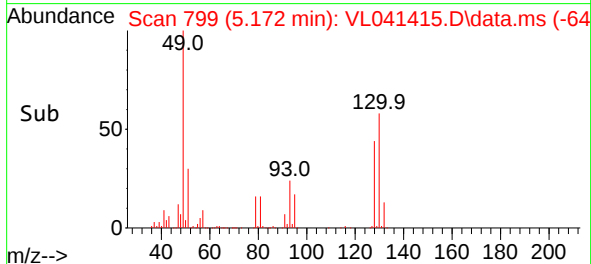
Instrument :
MSVOA_L
ClientSampleId :
2



Tgt Ion: 49 Resp: 931602
Ion Ratio Lower Upper
49 100
128 47.0 23.8 71.4
130 60.6 30.8 92.4

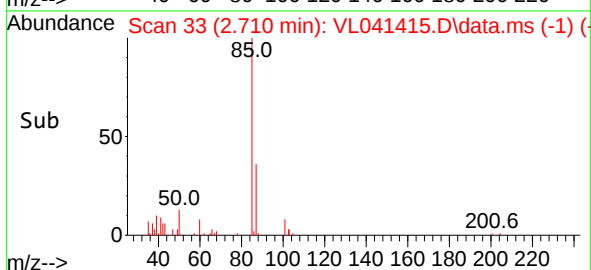
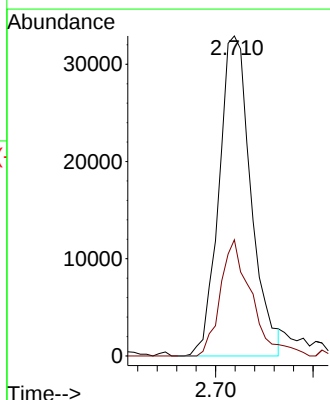
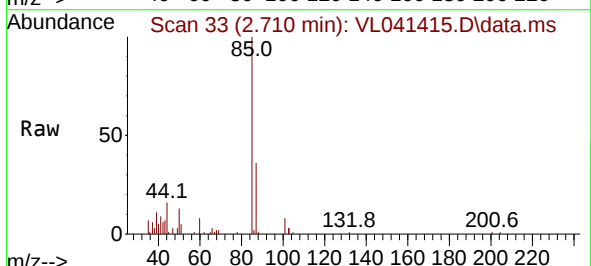
Manual Integrations
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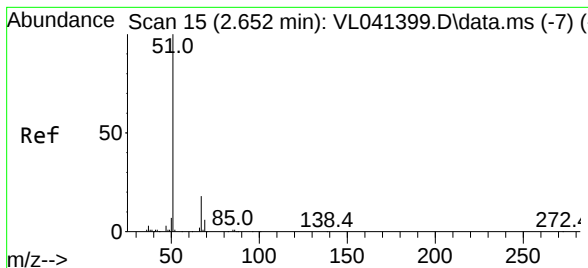
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#2
Dichlorodifluoromethane
Concen: 0.235 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.003 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

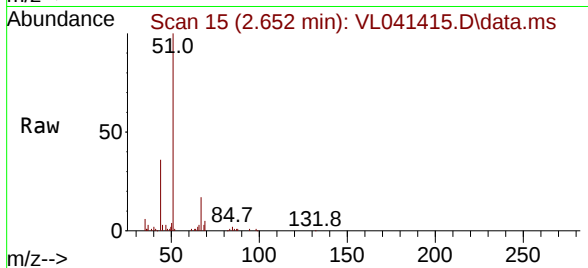
Tgt Ion: 85 Resp: 37587
Ion Ratio Lower Upper
85 100
87 36.3 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.383 ppbv m
RT: 2.652 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

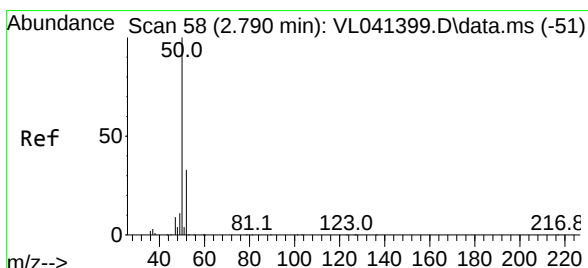
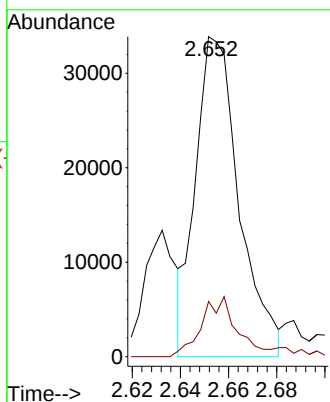
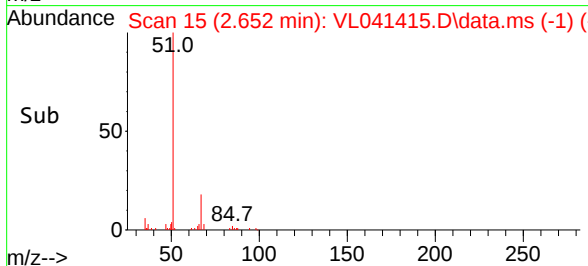
Instrument :
MSVOA_L
ClientSampleId :
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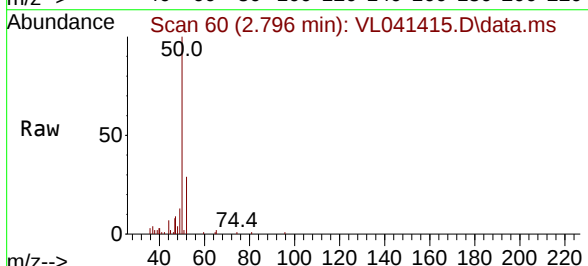
Tgt Ion: 51 Resp: 42478
Ion Ratio Lower Upper
51 100
67 17.5 14.5 21.7

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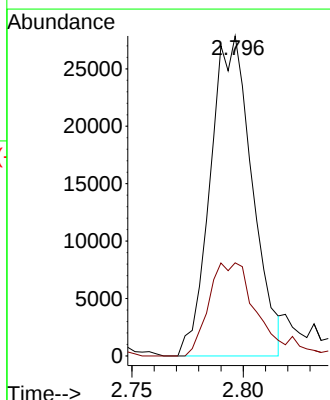
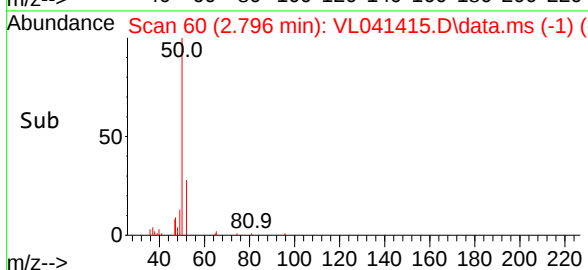
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024

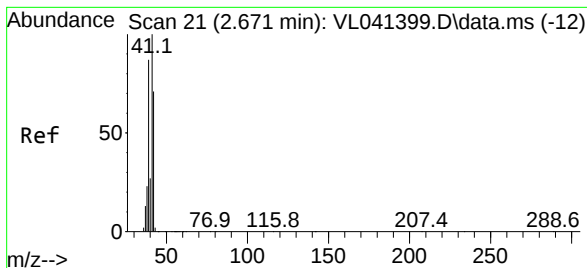


#4
Chloromethane
Concen: 0.615 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.006 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45



Tgt Ion: 50 Resp: 36301
Ion Ratio Lower Upper
50 100
52 29.3 26.1 39.1





#9

Propene

Concen: 1.183 ppbv

RT: 2.677 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041415.D

Acq: 26 Jul 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

2

Tgt Ion: 41 Resp: 60280

Ion Ratio Lower Upper

41 100

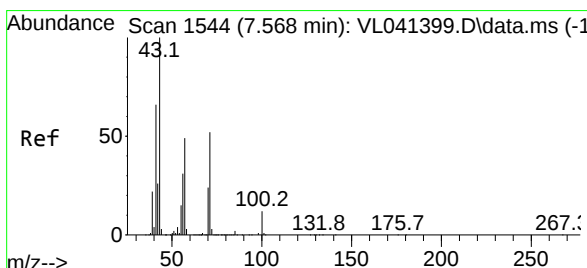
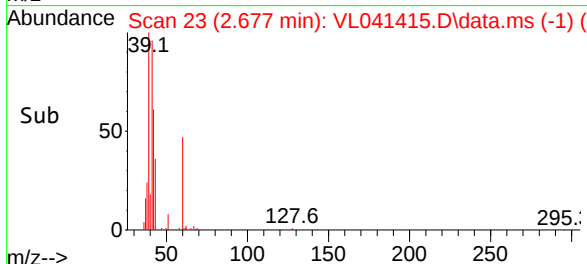
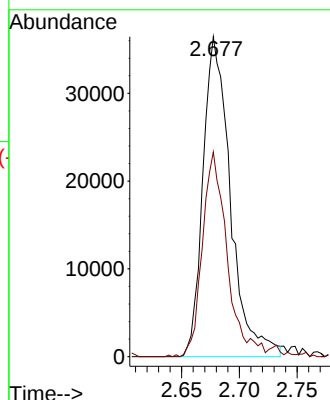
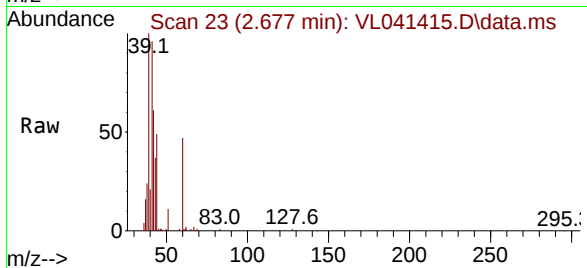
42 59.3 55.9 83.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/29/2024

Supervised By :Mahesh Dadoda 07/29/2024



#10

Heptane

Concen: 0.154 ppbv m

RT: 7.565 min Scan# 1543

Delta R.T. -0.003 min

Lab File: VL041415.D

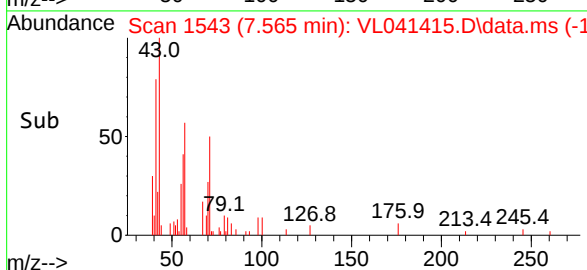
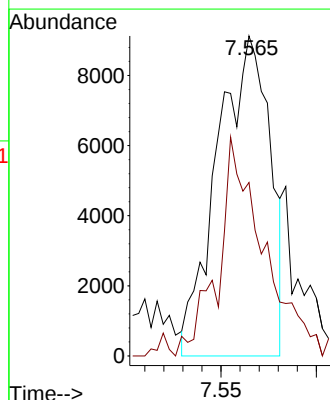
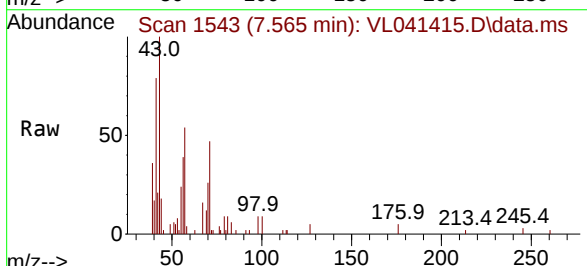
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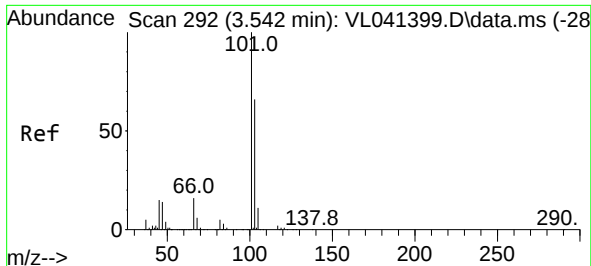
Tgt Ion: 43 Resp: 17596

Ion Ratio Lower Upper

43 100

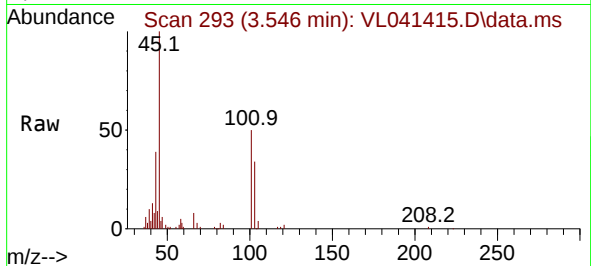
57 0.0 40.5 60.7#





#11
Trichlorofluoromethane
Concen: 0.241 ppbv
RT: 3.546 min Scan# 292
Delta R.T. 0.003 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

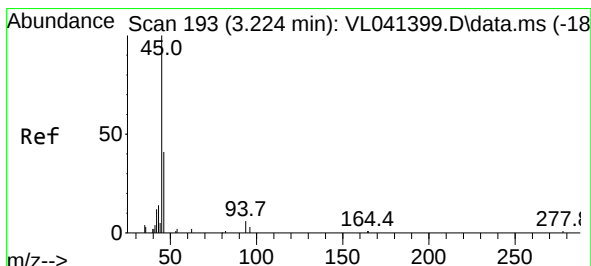
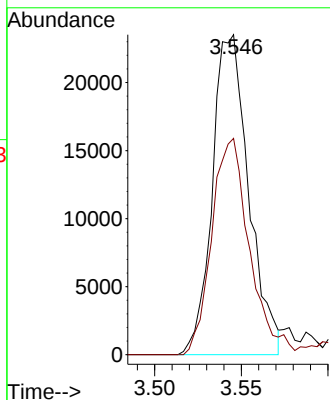
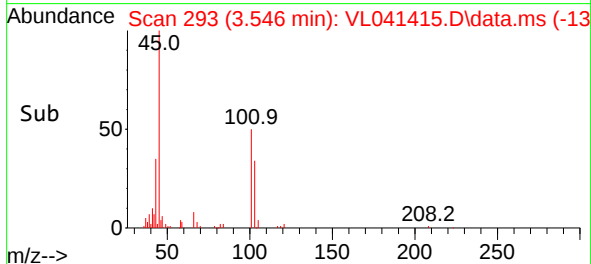
Instrument :
MSVOA_L
ClientSampleId :
2



Tgt Ion:101 Resp: 3434
Ion Ratio Lower Upper
101 100
103 67.6 52.6 79.0

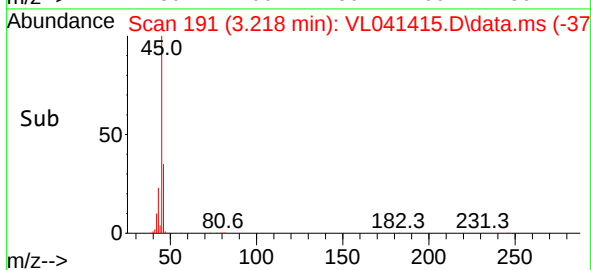
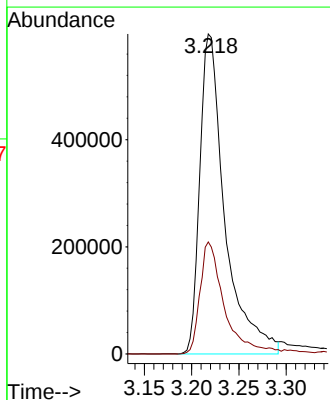
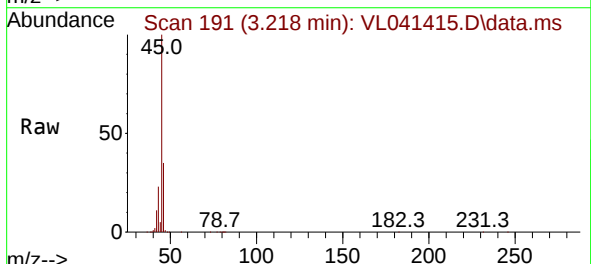
Manual Integrations
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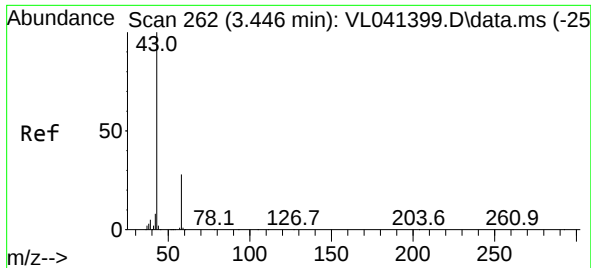
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#13
Ethanol
Concen: 242.203 ppbv
RT: 3.218 min Scan# 191
Delta R.T. -0.006 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

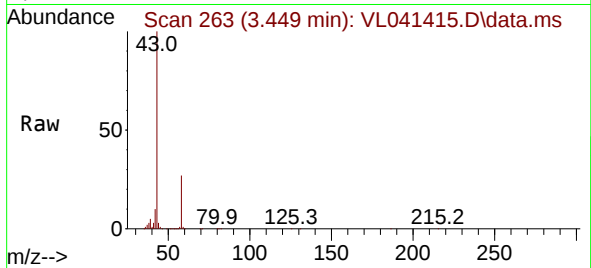
Tgt Ion: 45 Resp: 1102864
Ion Ratio Lower Upper
45 100
46 34.8 13.4 53.4





#15
Acetone
Concen: 6.273 ppbv
RT: 3.449 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

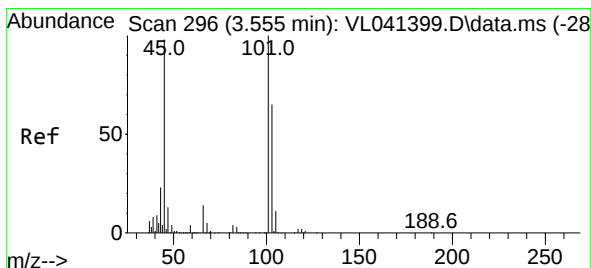
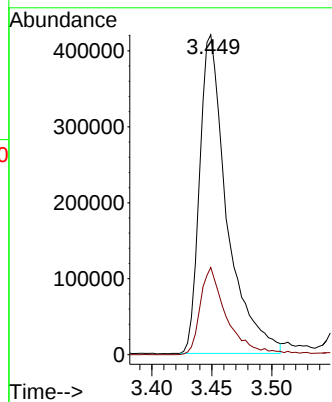
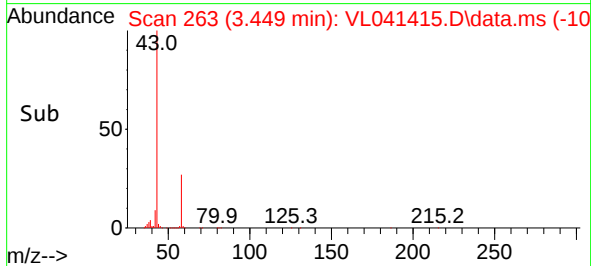
Instrument :
MSVOA_L
ClientSampleId :
2



Tgt Ion: 43 Resp: 664035
Ion Ratio Lower Upper
43 100
58 26.9 21.4 32.2

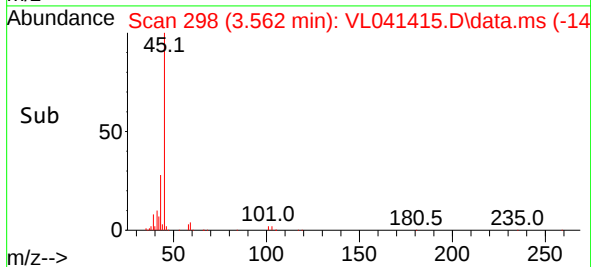
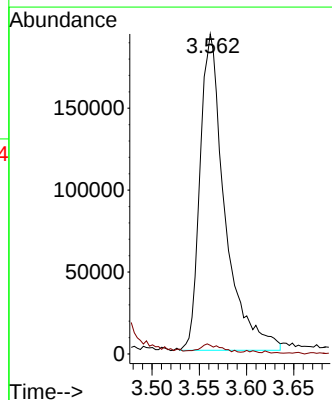
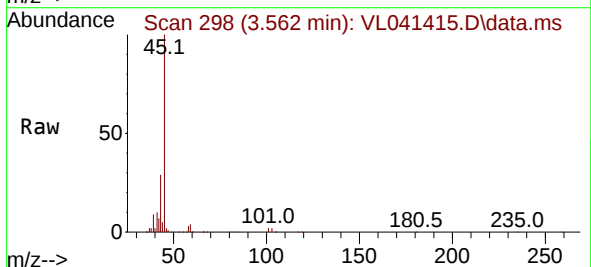
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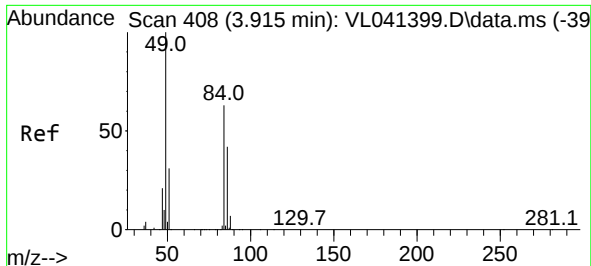
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#19
Isopropyl Alcohol
Concen: 5.707 ppbv
RT: 3.562 min Scan# 298
Delta R.T. 0.006 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

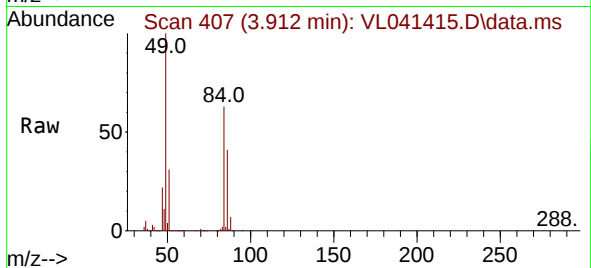
Tgt Ion: 45 Resp: 353154
Ion Ratio Lower Upper
45 100
58 4.3 1.9 2.9#





#20
Methylene Chloride
Concen: 33.734 ppbv
RT: 3.912 min Scan# 408
Delta R.T. -0.003 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

Instrument :
MSVOA_L
ClientSampleId :
2

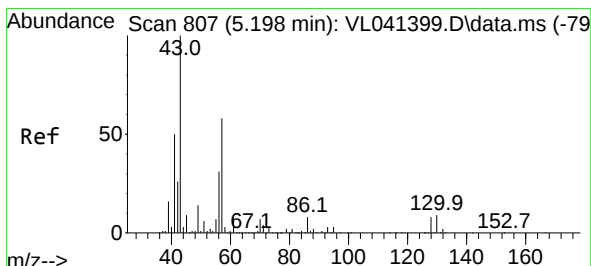
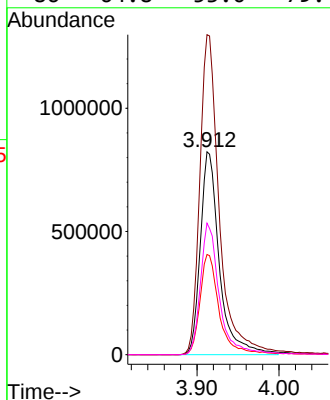
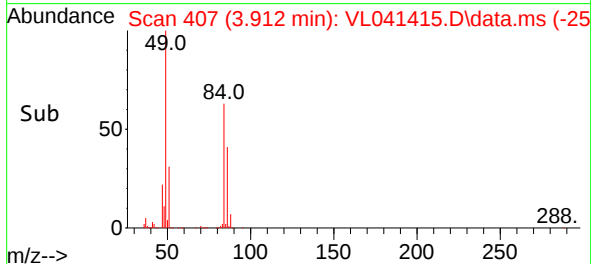


Tgt Ion: 84 Resp: 133153

Ion	Ratio	Lower	Upper
84	100		
49	157.7	126.6	190.0
51	49.3	38.6	58.0
86	64.8	53.0	79.4

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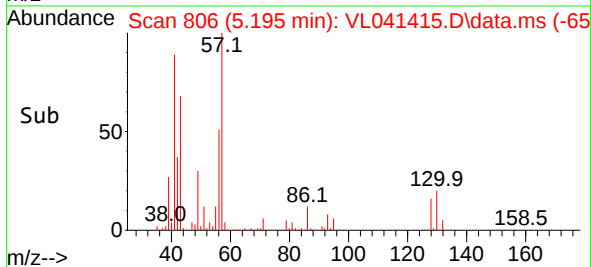
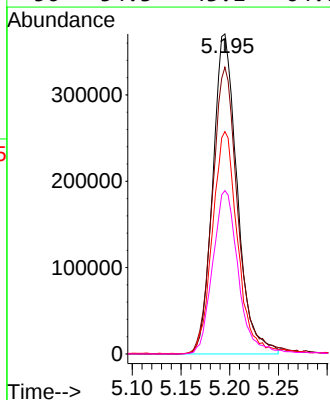
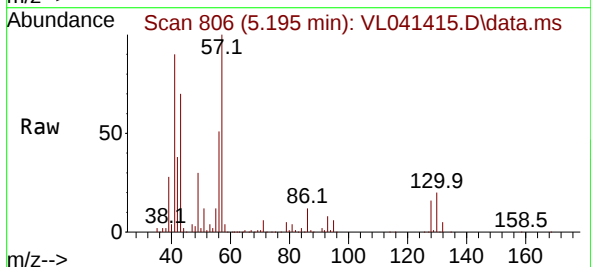
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024

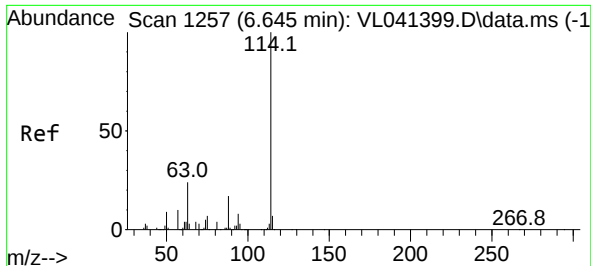


#26
Hexane
Concen: 7.403 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

Tgt Ion: 57 Resp: 645807

Ion	Ratio	Lower	Upper
57	100		
41	94.5	74.0	111.0
43	72.4	193.6	290.4#
56	54.3	43.1	64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 114

Delta R.T. -0.010 min

Lab File: VL041415.D

Acq: 26 Jul 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

2

Tgt Ion:114 Resp: 2568798

Ion Ratio Lower Upper

114 100

63 24.7 20.3 30.5

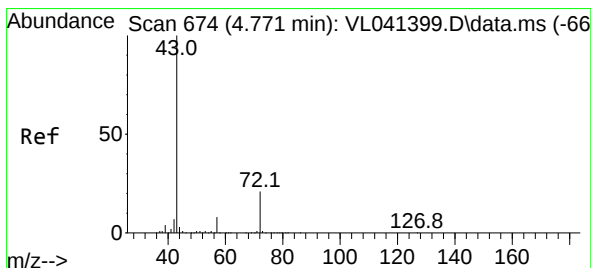
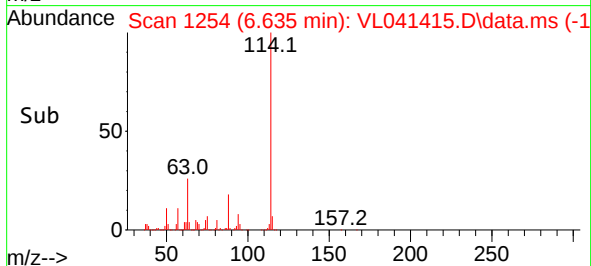
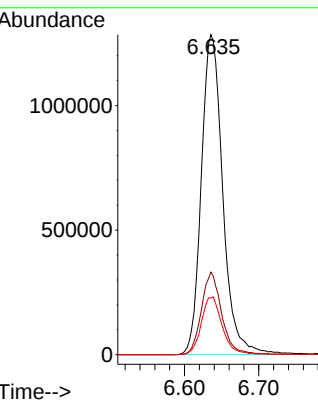
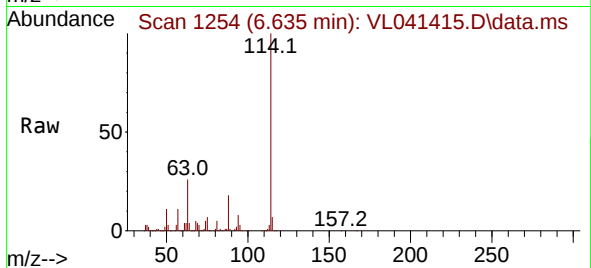
88 17.8 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/29/2024

Supervised By :Mahesh Dadoda 07/29/2024



#34

2-Butanone

Concen: 0.582 ppbv

RT: 4.767 min Scan# 673

Delta R.T. -0.003 min

Lab File: VL041415.D

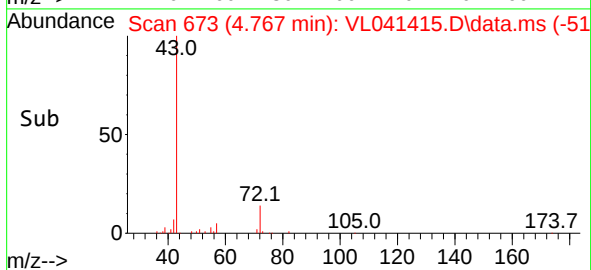
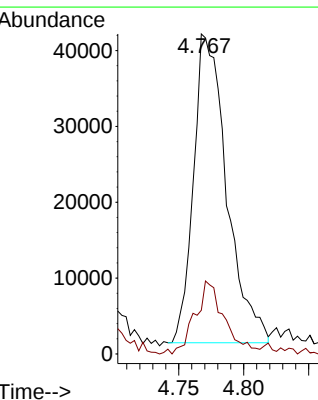
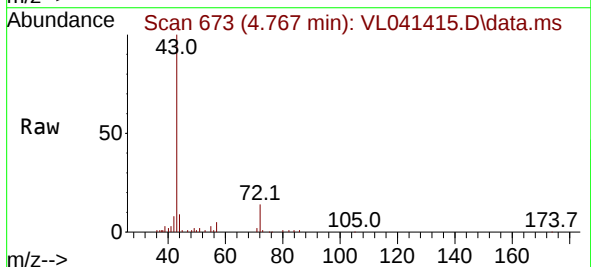
Acq: 26 Jul 2024 10:45

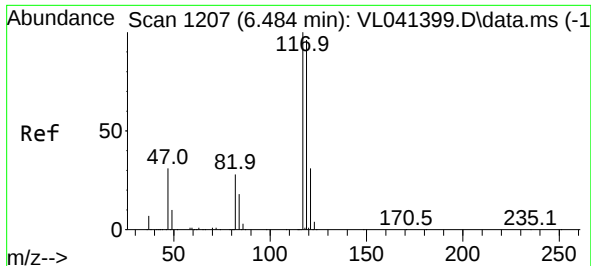
Tgt Ion: 43 Resp: 72326

Ion Ratio Lower Upper

43 100

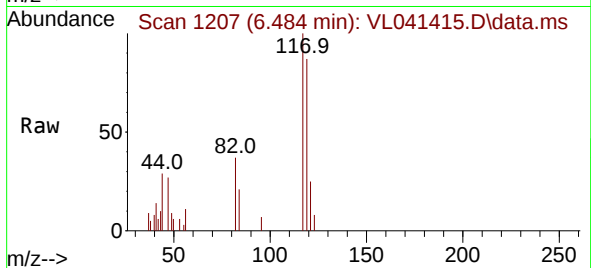
72 22.8 17.3 25.9





#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 6.484 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

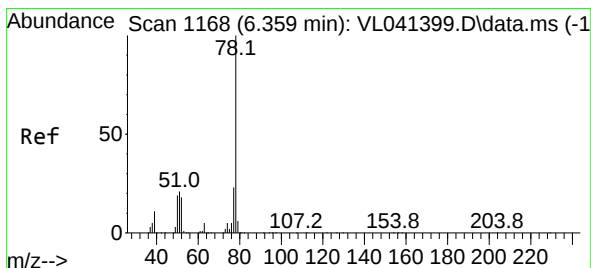
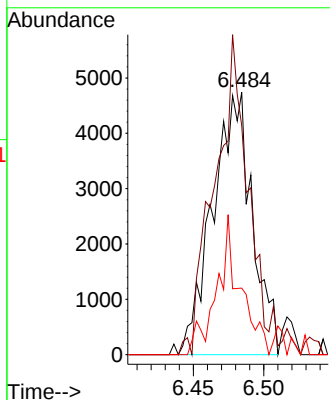
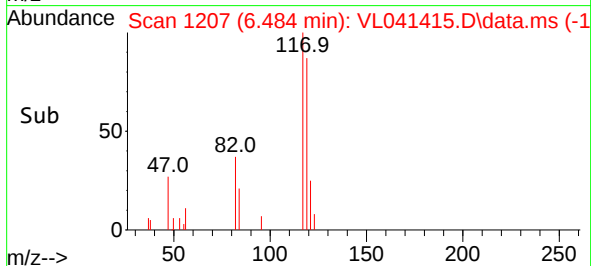
Instrument :
MSVOA_L
ClientSampleId :
2



Tgt Ion:117 Resp: 928
Ion Ratio Lower Upper
117 100
119 87.4 76.6 115.0
121 25.4 25.1 37.7

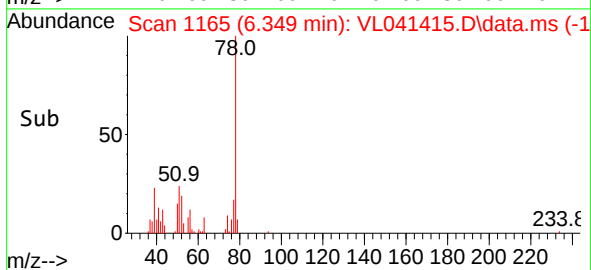
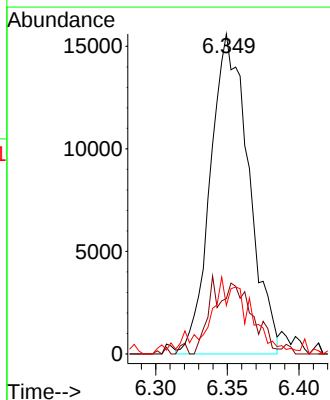
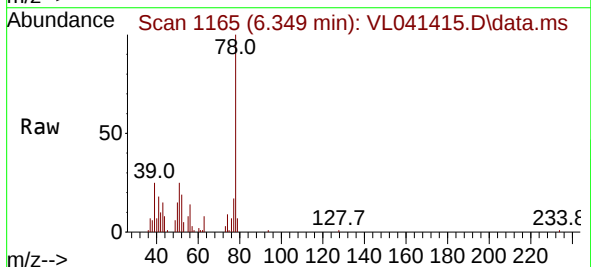
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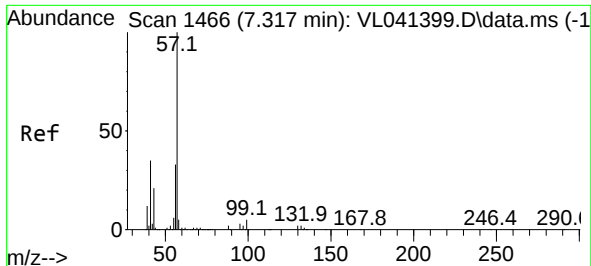
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#36
Benzene
Concen: 0.154 ppbv m
RT: 6.349 min Scan# 1165
Delta R.T. -0.010 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

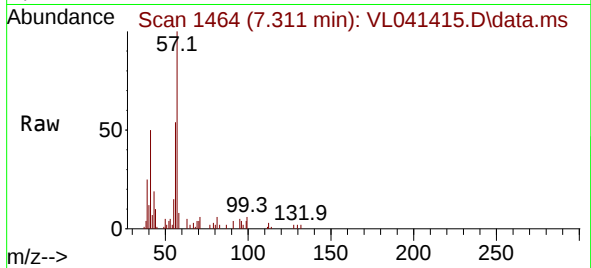
Tgt Ion: 78 Resp: 28939
Ion Ratio Lower Upper
78 100
77 17.3 18.1 27.1#
50 15.1 15.5 23.3#





#44
2,2,4-Trimethylpentane
Concen: 0.103 ppbv m
RT: 7.311 min Scan# 1466
Delta R.T. -0.006 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

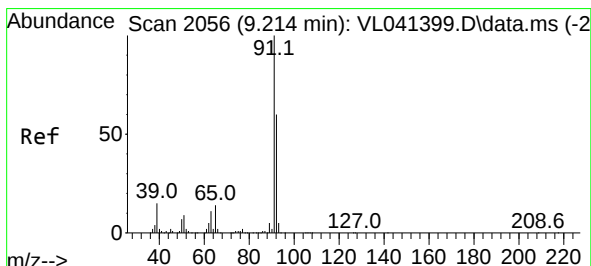
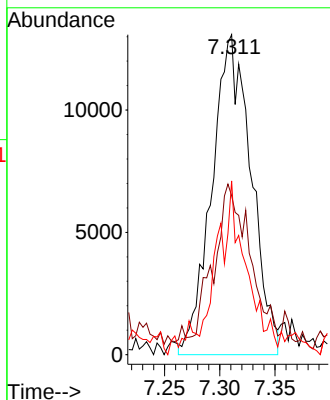
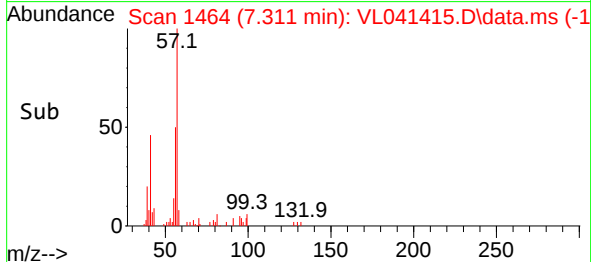
Instrument :
MSVOA_L
ClientSampleId :
2



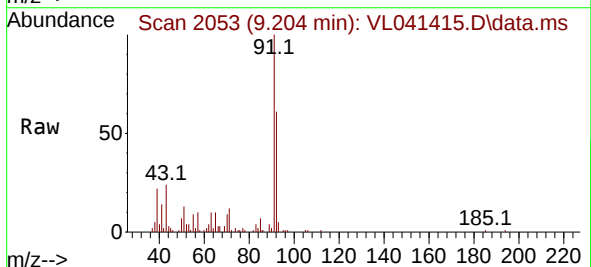
Tgt Ion: 57 Resp: 32410
Ion Ratio Lower Upper
57 100
41 56.6 27.0 40.6
56 49.0 25.2 37.8

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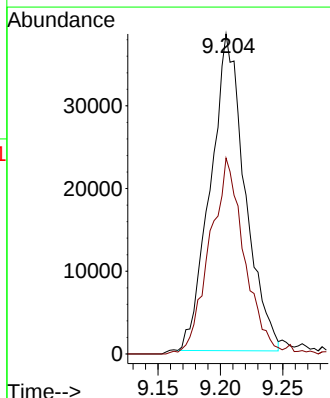
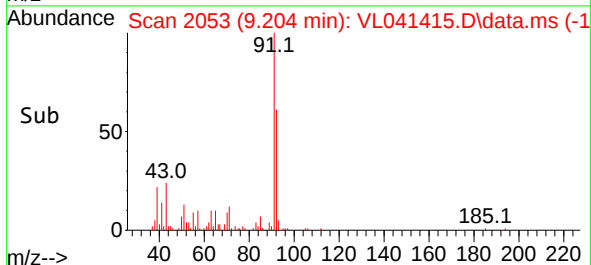
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024

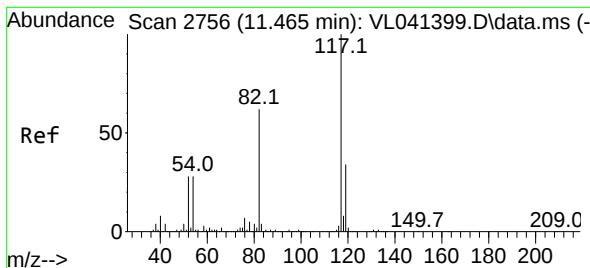


#53
Toluene
Concen: 0.353 ppbv
RT: 9.204 min Scan# 2053
Delta R.T. -0.010 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45



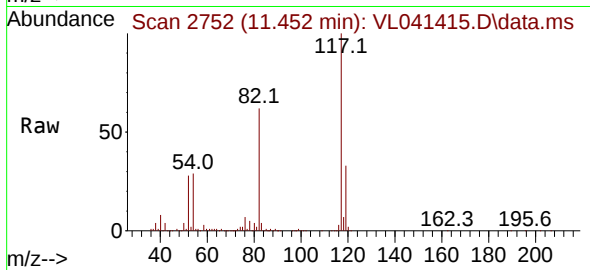
Tgt Ion: 91 Resp: 73723
Ion Ratio Lower Upper
91 100
92 62.9 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

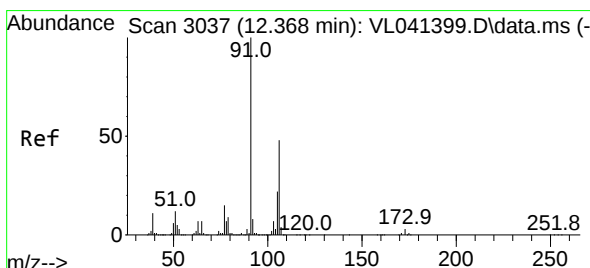
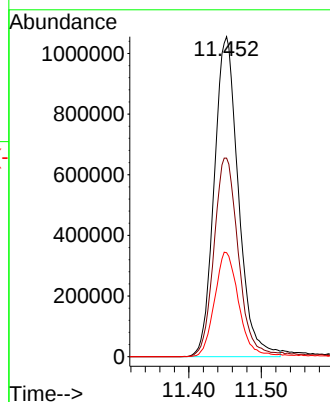
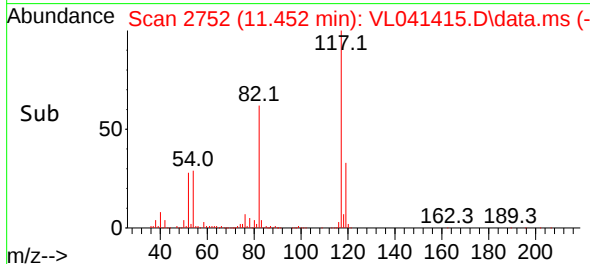
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 244305
Ion Ratio Lower Upper
117 100
82 64.7 51.0 76.6
119 33.5 45.2 67.8

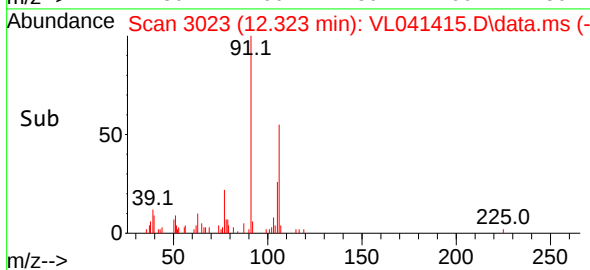
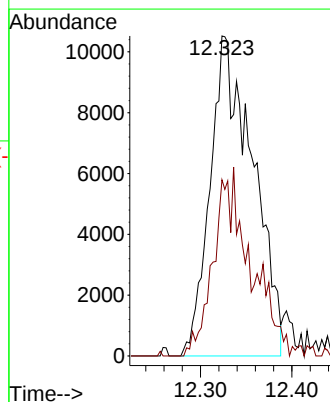
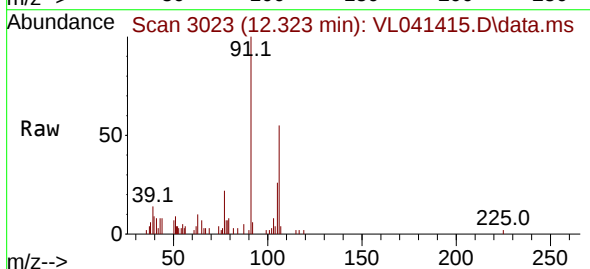
Manual Integrations
APPROVED

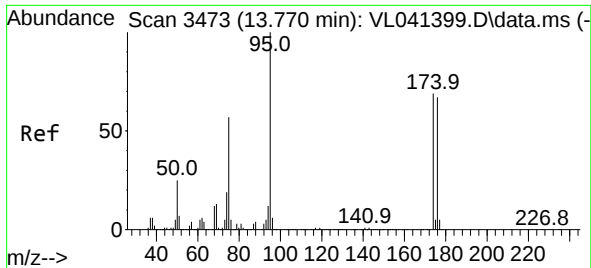
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#59
m/p-Xylene
Concen: 0.141 ppbv m
RT: 12.323 min Scan# 3023
Delta R.T. -0.045 min
Lab File: VL041415.D
Acq: 26 Jul 2024 10:45

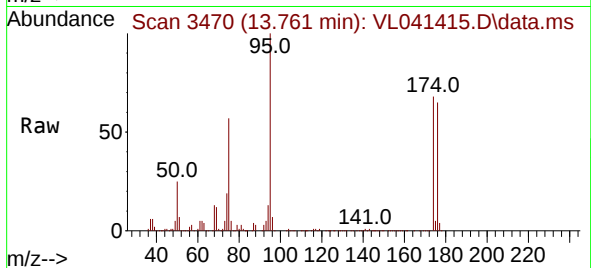
Tgt Ion: 91 Resp: 34184
Ion Ratio Lower Upper
91 100
106 0.0 36.3 54.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.684 ppbv
 RT: 13.761 min Scan# 3470
 Delta R.T. -0.010 min
 Lab File: VL041415.D
 Acq: 26 Jul 2024 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 2



Tgt Ion: 95 Resp: 1820709
 Ion Ratio Lower Upper
 95 100
 174 71.5 56.3 84.5
 175 5.3 4.0 6.0

Manual Integrations
 APPROVED

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

