

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041411.D
 Acq On : 26 Jul 2024 8:02
 Operator : SY/MD
 Sample : P3320-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1DUP

Manual Integrations
 APPROVED

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

Quant Time: Jul 29 01:45:12 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	1048614	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2892990	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2383792	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1753474	9.558	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	31354	0.174	ppbv	96
3) Chlorodifluoromethane	2.655	51	57349m	0.459	ppbv	
4) Chloromethane	2.790	50	36697	0.553	ppbv	100
9) Propene	2.684	41	28892	0.504	ppbv #	82
10) Heptane	7.558	43	22319m	0.173	ppbv	
11) Trichlorofluoromethane	3.539	101	34839	0.217	ppbv	92
13) Ethanol	3.218	45	838886	163.672	ppbv	96
15) Acetone	3.446	43	871537	7.315	ppbv	100
19) Isopropyl Alcohol	3.562	45	460561	6.612	ppbv #	98
20) Methylene Chloride	3.912	84	493209	11.101	ppbv	95
25) Ethyl Acetate	5.192	43	335351	1.417	ppbv #	86
26) Hexane	5.195	57	347994	3.544	ppbv #	46
34) 2-Butanone	4.771	43	47169	0.337	ppbv	98
35) Carbon Tetrachloride	6.465	117	9693m	0.061	ppbv	
36) Benzene	6.349	78	32457	0.154	ppbv #	90
53) Toluene	9.204	91	67727	0.288	ppbv	99
59) m/p-Xylene	12.339	91	37394m	0.158	ppbv	

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

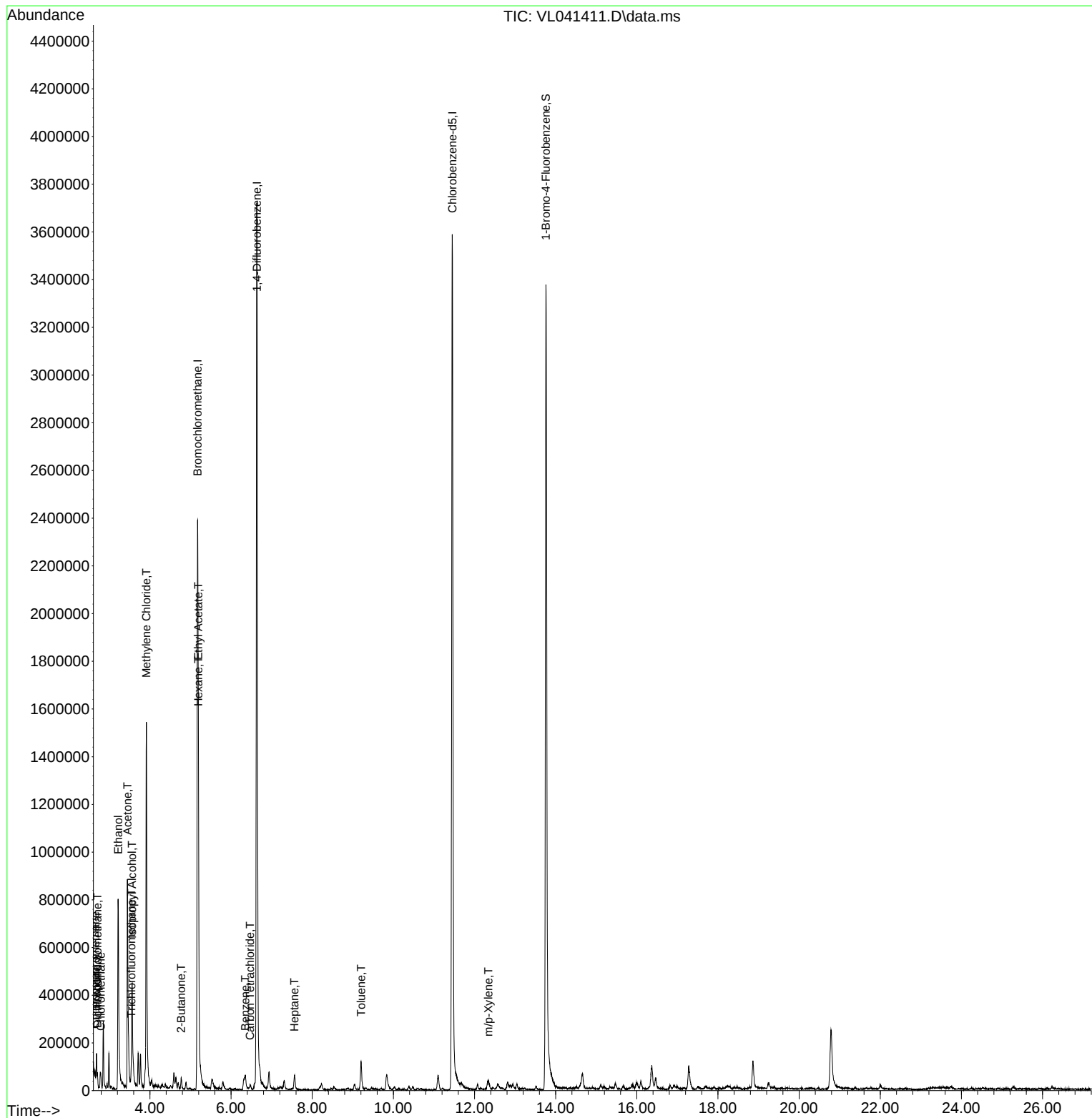
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041411.D
Acq On : 26 Jul 2024 8:02
Operator : SY/MD
Sample : P3320-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

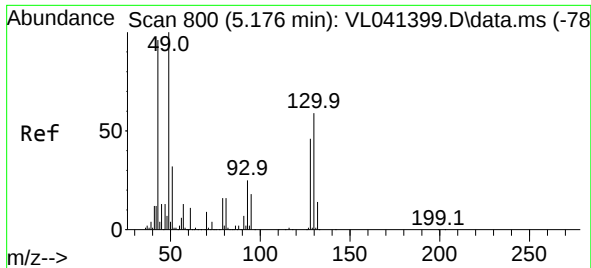
Instrument :
MSVOA_L
ClientSampleId :
1DUP

Quant Time: Jul 29 01:45:12 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

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APPROVED

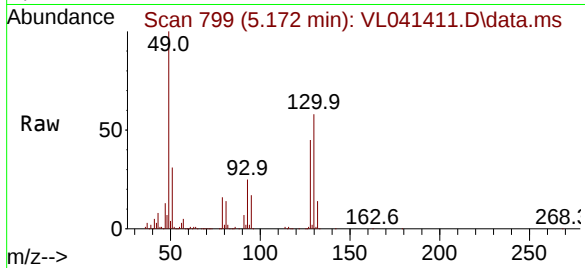
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.172 min Scan# 79
Delta R.T. -0.004 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

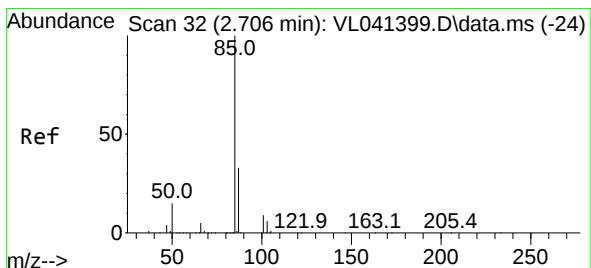
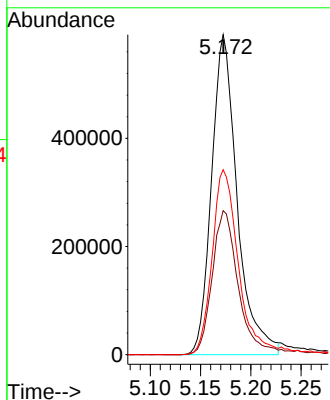
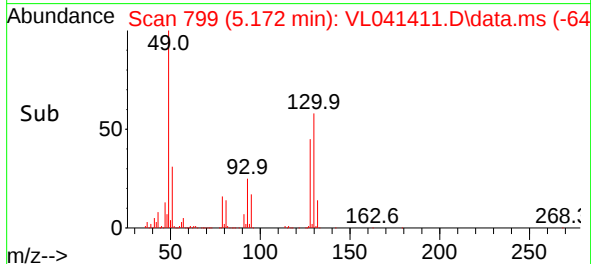
Instrument :
MSVOA_L
ClientSampleId :
1DUP



Tgt Ion: 49 Resp: 1048614
Ion Ratio Lower Upper
49 100
128 47.4 23.8 71.4
130 61.4 30.8 92.4

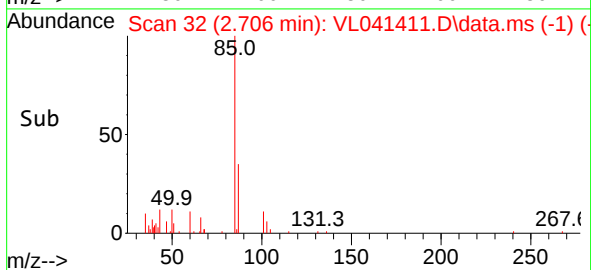
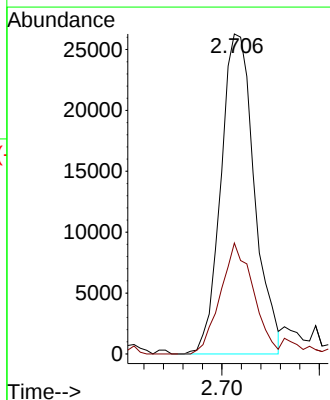
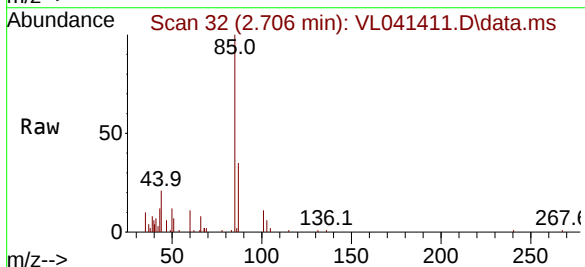
Manual Integrations
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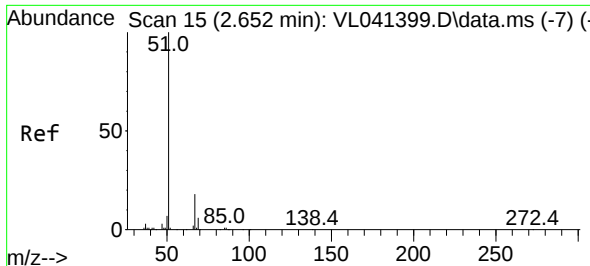
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#2
Dichlorodifluoromethane
Concen: 0.174 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.000 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

Tgt Ion: 85 Resp: 31354
Ion Ratio Lower Upper
85 100
87 34.6 26.0 39.0





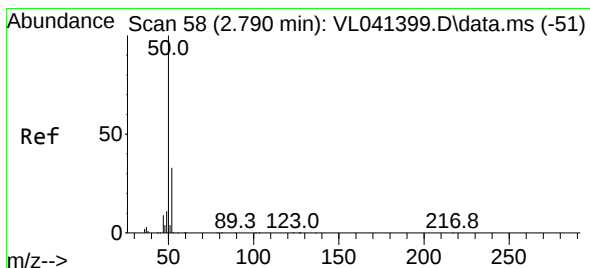
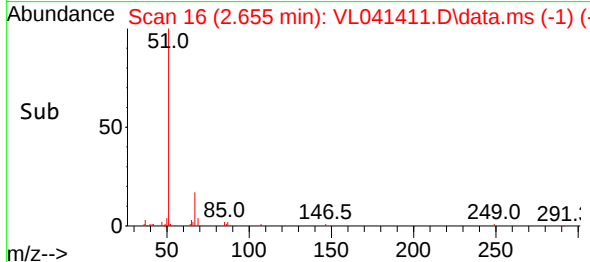
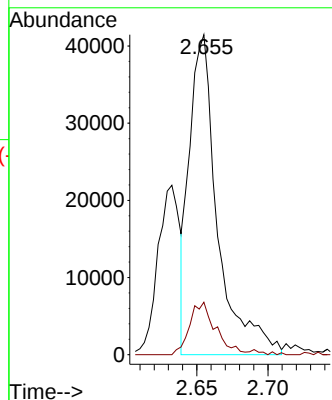
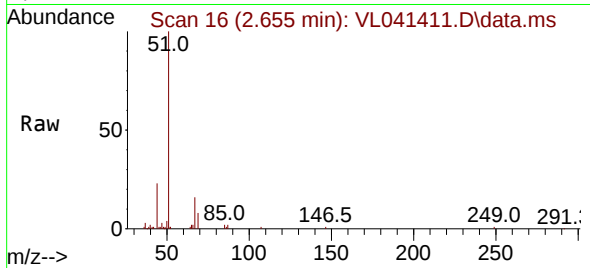
#3
Chlorodifluoromethane
Concen: 0.459 ppbv m
RT: 2.655 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

Instrument :
MSVOA_L
ClientSampleId :
1DUP

Tgt Ion: 51 Resp: 57349
Ion Ratio Lower Upper
51 100
67 15.8 14.5 21.7

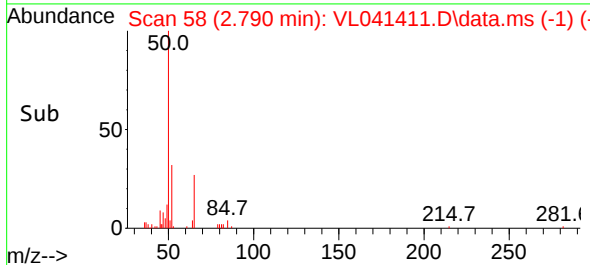
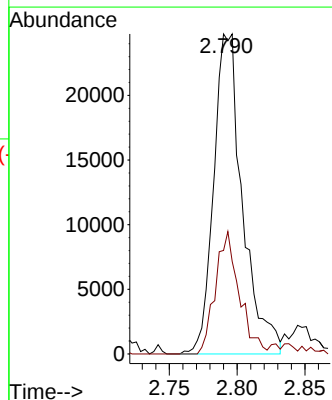
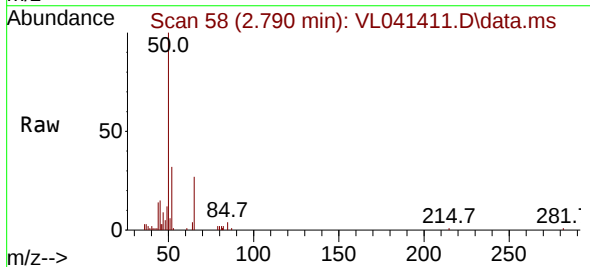
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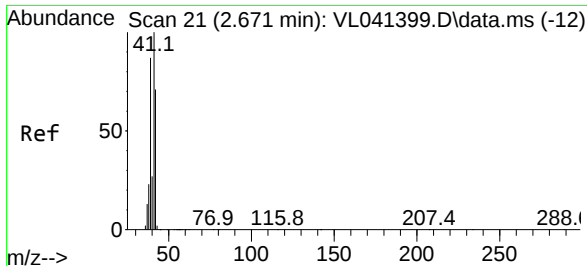
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#4
Chloromethane
Concen: 0.553 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.000 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

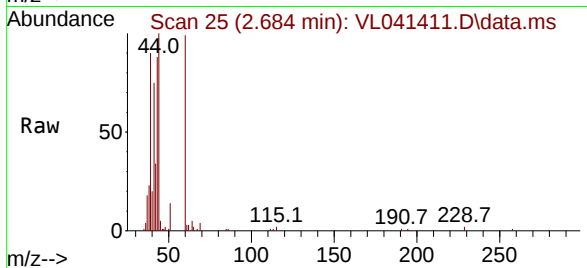
Tgt Ion: 50 Resp: 36697
Ion Ratio Lower Upper
50 100
52 32.3 26.1 39.1





#9
Propene
Concen: 0.504 ppbv
RT: 2.684 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

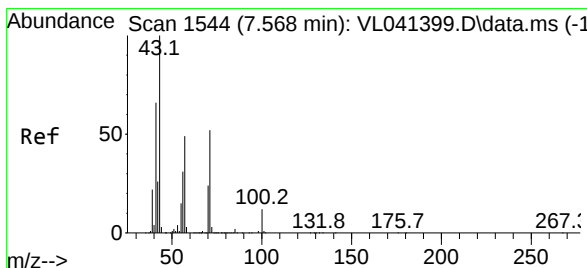
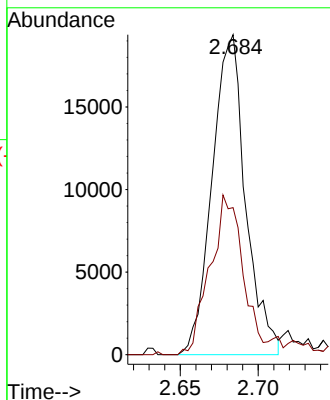
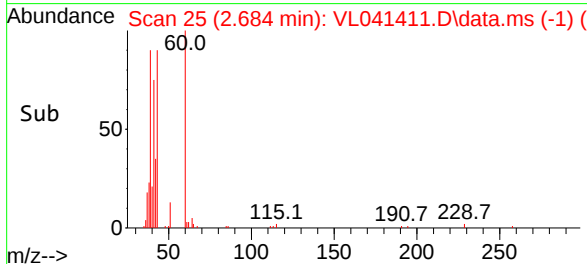
Instrument :
MSVOA_L
ClientSampleId :
1DUP



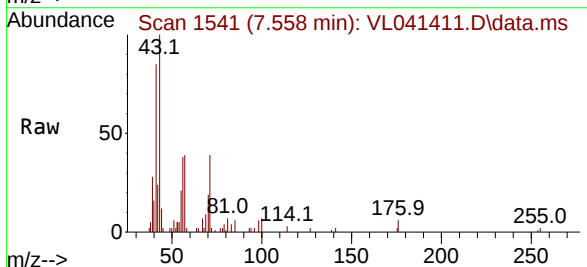
Tgt Ion: 41 Resp: 2889
Ion Ratio Lower Upper
41 100
42 54.8 55.9 83.9

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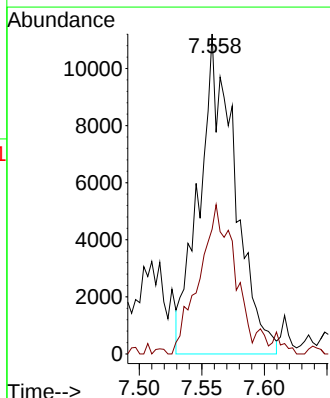
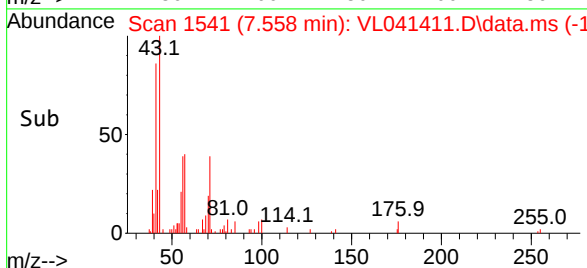
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024

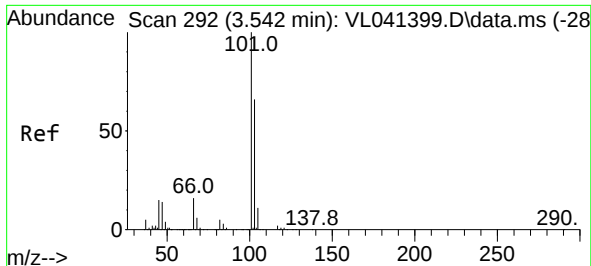


#10
Heptane
Concen: 0.173 ppbv m
RT: 7.558 min Scan# 1541
Delta R.T. -0.010 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02



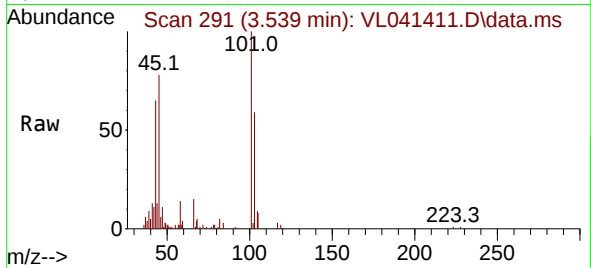
Tgt Ion: 43 Resp: 22319
Ion Ratio Lower Upper
43 100
57 51.5 40.5 60.7





#11
 Trichlorofluoromethane
 Concen: 0.217 ppbv
 RT: 3.539 min Scan# 292
 Delta R.T. -0.003 min
 Lab File: VL041411.D
 Acq: 26 Jul 2024 8:02

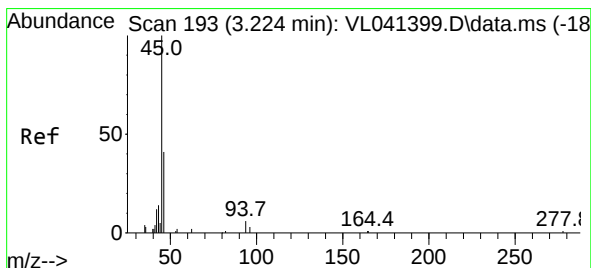
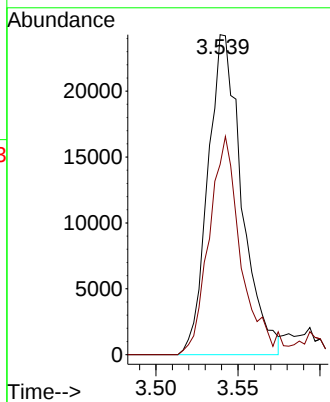
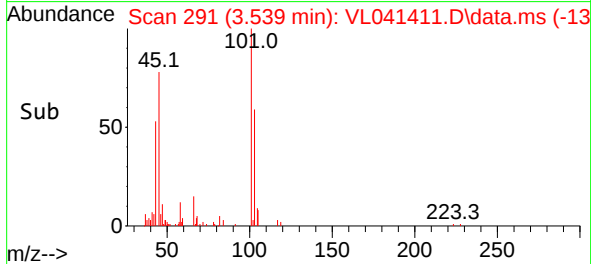
Instrument :
 MSVOA_L
 ClientSampleId :
 1DUP



Tgt Ion: 101 Resp: 34839
 Ion Ratio Lower Upper
 101 100
 103 59.5 52.6 79.0

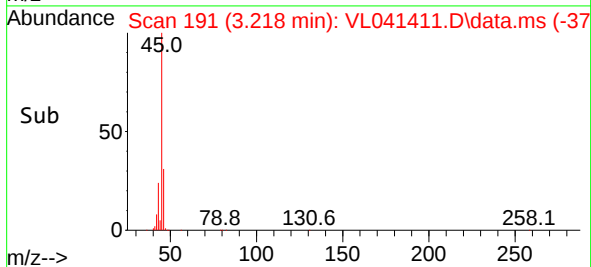
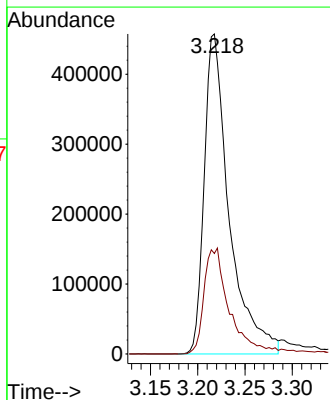
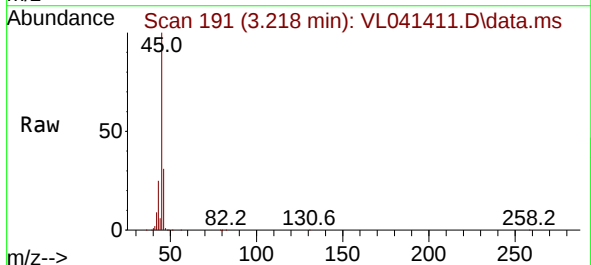
Manual Integrations
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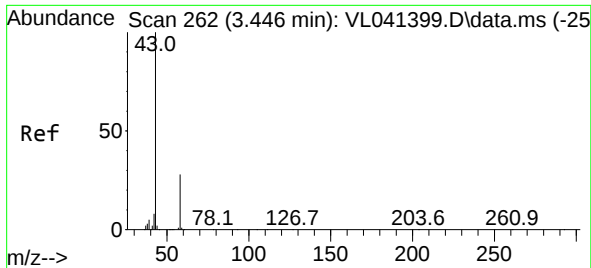
Reviewed By :Semsettin Yesilyurt 07/29/2024
 Supervised By :Mahesh Dadoda 07/29/2024



#13
 Ethanol
 Concen: 163.672 ppbv
 RT: 3.218 min Scan# 191
 Delta R.T. -0.006 min
 Lab File: VL041411.D
 Acq: 26 Jul 2024 8:02

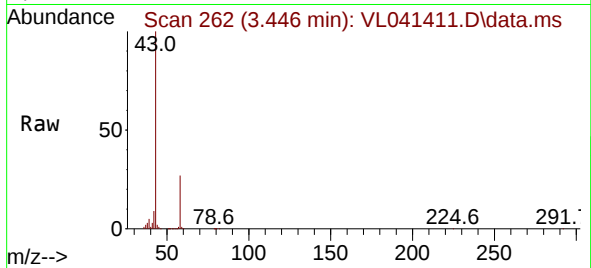
Tgt Ion: 45 Resp: 838886
 Ion Ratio Lower Upper
 45 100
 46 35.9 13.4 53.4





#15
Acetone
Concen: 7.315 ppbv
RT: 3.446 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

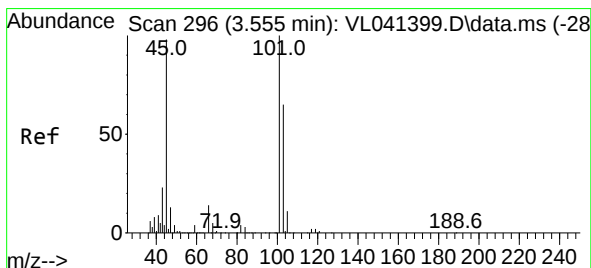
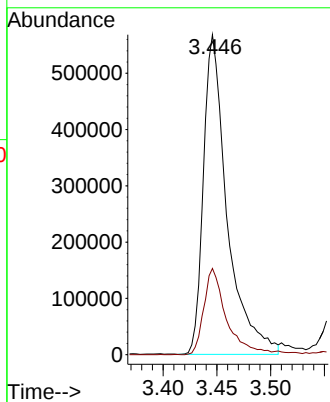
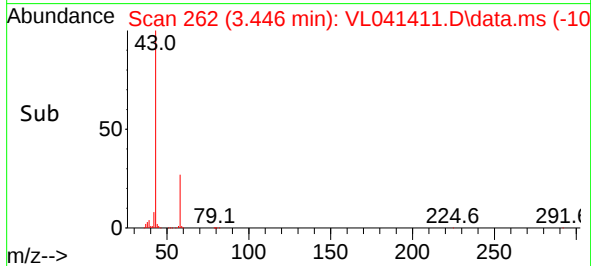
Instrument :
MSVOA_L
ClientSampleId :
1DUP



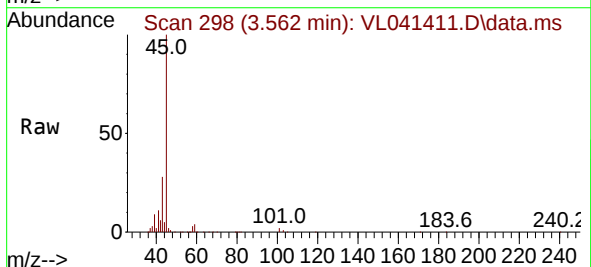
Tgt Ion: 43 Resp: 87153
Ion Ratio Lower Upper
43 100
58 26.6 21.4 32.2

Manual Integrations
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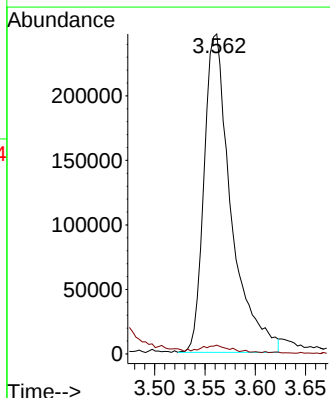
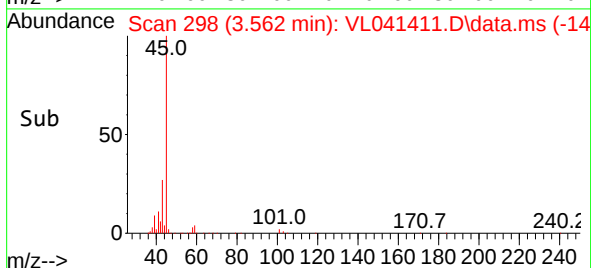
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Supervised By :Mahesh Dadoda 07/29/2024

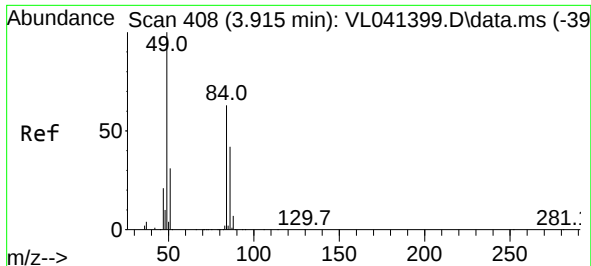


#19
Isopropyl Alcohol
Concen: 6.612 ppbv
RT: 3.562 min Scan# 298
Delta R.T. 0.006 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02



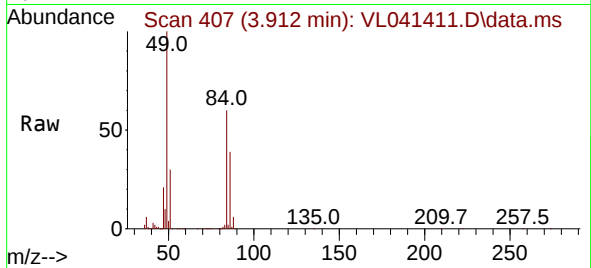
Tgt Ion: 45 Resp: 460561
Ion Ratio Lower Upper
45 100
58 3.2 1.9 2.9#





#20
Methylene Chloride
Concen: 11.101 ppbv
RT: 3.912 min Scan# 408
Delta R.T. -0.003 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

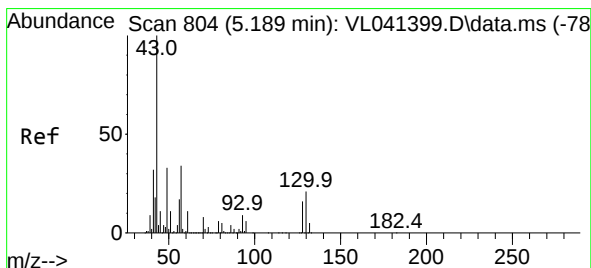
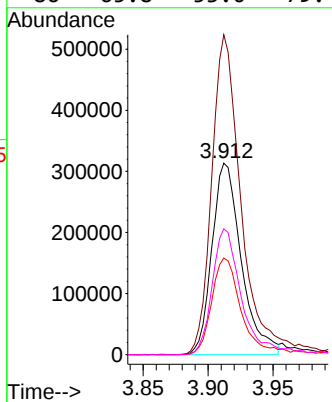
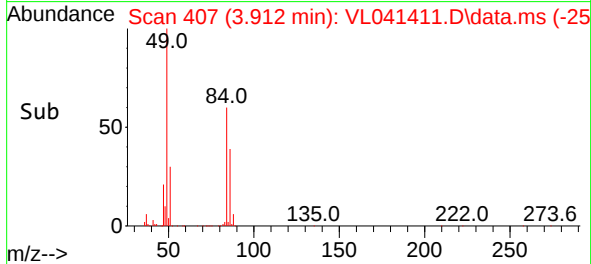
Instrument :
MSVOA_L
ClientSampleId :
1DUP



Tgt Ion: 84 Resp: 493209
Ion Ratio Lower Upper
84 100
49 167.0 126.6 190.0
51 50.3 38.6 58.0
86 65.8 53.0 79.4

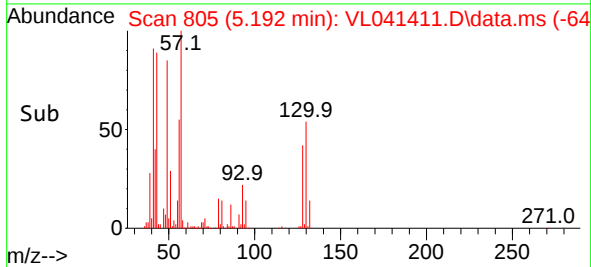
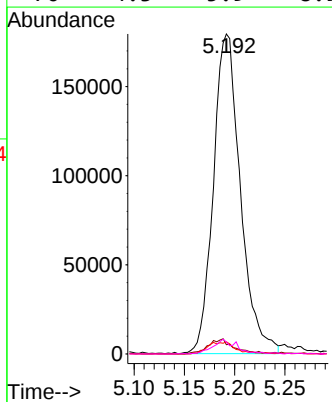
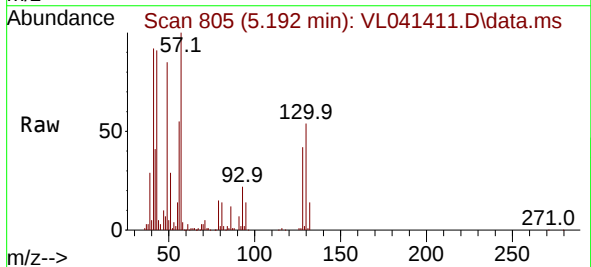
Manual Integrations
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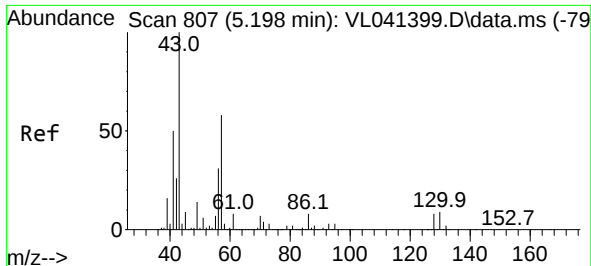
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#25
Ethyl Acetate
Concen: 1.417 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

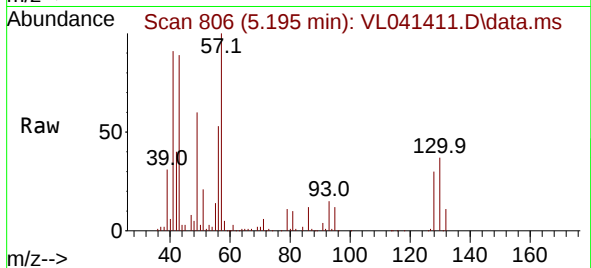
Tgt Ion: 43 Resp: 335351
Ion Ratio Lower Upper
43 100
45 5.0 8.5 12.7#
61 4.1 8.0 12.0#
70 4.3 5.9 8.9#





#26
Hexane
Concen: 3.544 ppbv
RT: 5.195 min Scan# 807
Delta R.T. -0.003 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

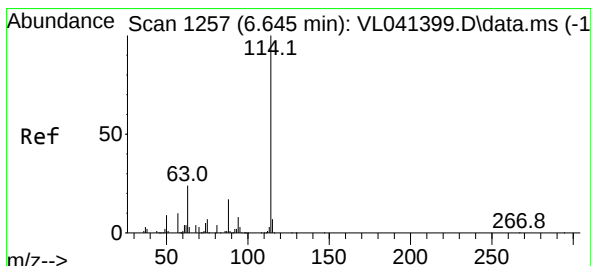
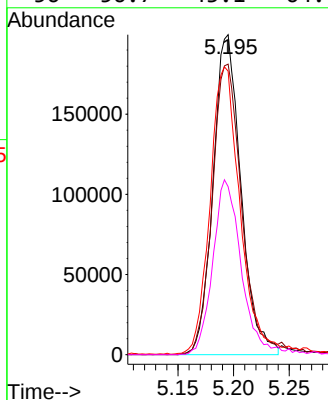
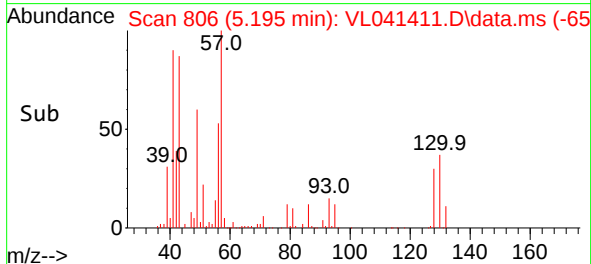
Instrument :
MSVOA_L
ClientSampleId :
1DUP



Tgt Ion: 57 Resp: 347994
Ion Ratio Lower Upper
57 100
41 97.8 74.0 111.0
43 98.8 193.6 290.4
56 56.7 43.1 64.7

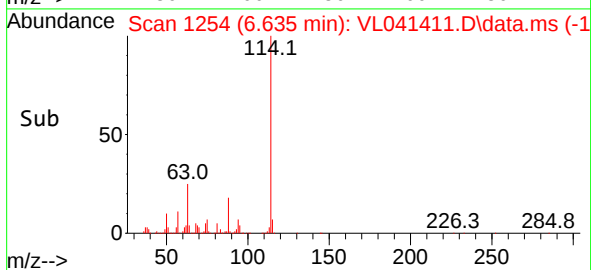
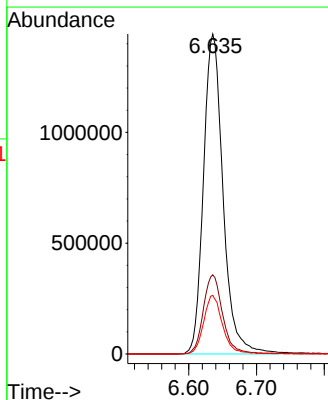
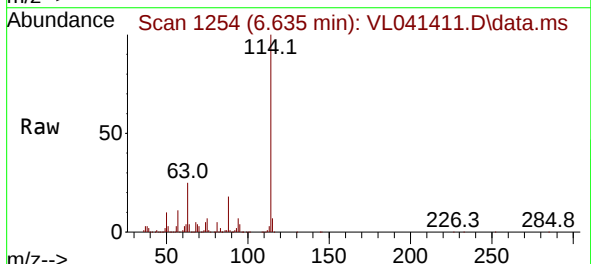
Manual Integrations
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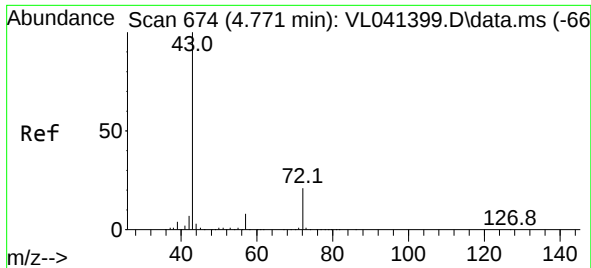
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

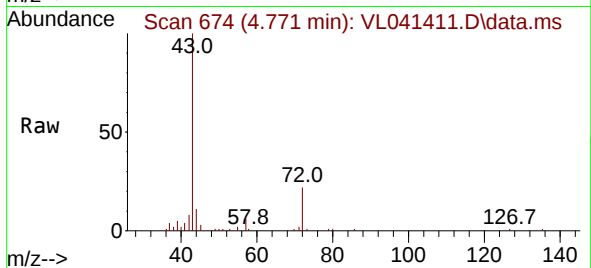
Tgt Ion:114 Resp: 2892990
Ion Ratio Lower Upper
114 100
63 24.7 20.3 30.5
88 17.8 14.3 21.5





#34
2-Butanone
Concen: 0.337 ppbv
RT: 4.771 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

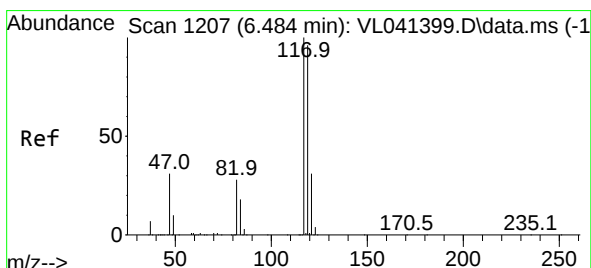
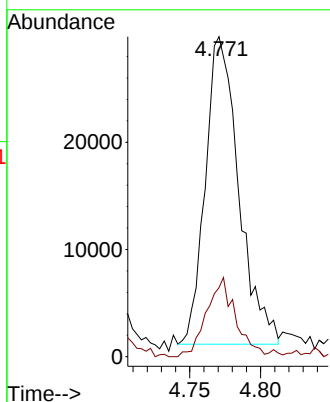
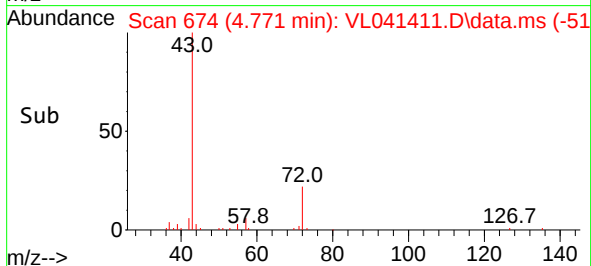
Instrument :
MSVOA_L
ClientSampleId :
1DUP



Tgt Ion: 43 Resp: 47169
Ion Ratio Lower Upper
43 100
72 22.7 17.3 25.9

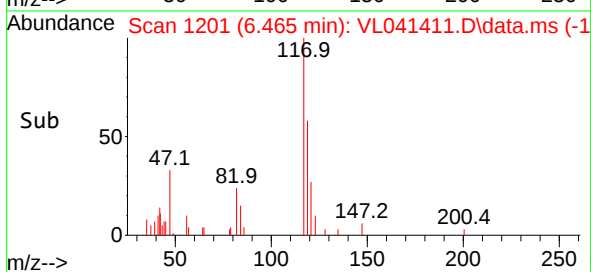
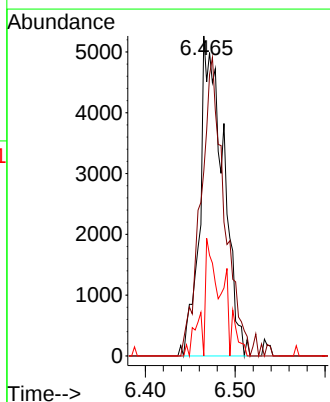
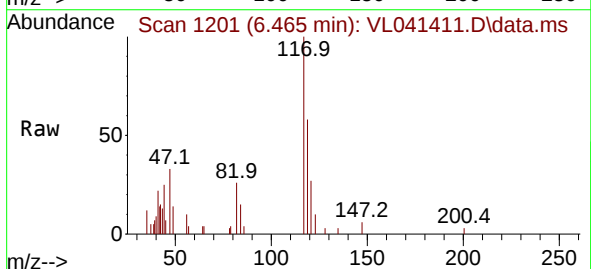
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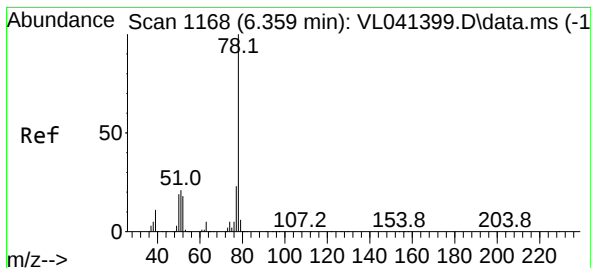
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 6.465 min Scan# 1201
Delta R.T. -0.019 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

Tgt Ion:117 Resp: 9693
Ion Ratio Lower Upper
117 100
119 57.7 76.6 115.0#
121 0.0 25.1 37.7#





#36

Benzene

Concen: 0.154 ppbv

RT: 6.349 min Scan# 1165

Delta R.T. -0.010 min

Lab File: VL041411.D

Acq: 26 Jul 2024 8:02

Instrument :

MSVOA_L

ClientSampleId :

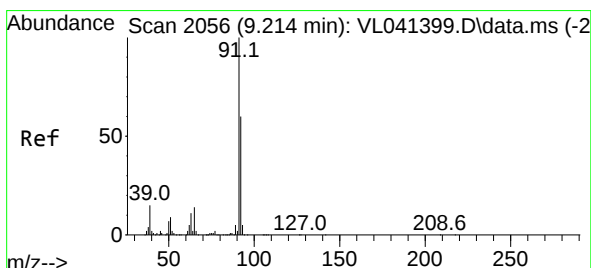
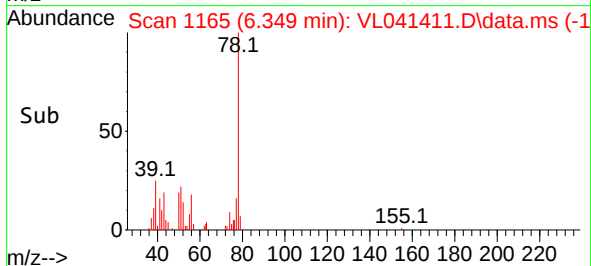
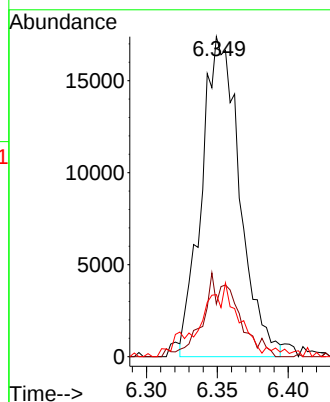
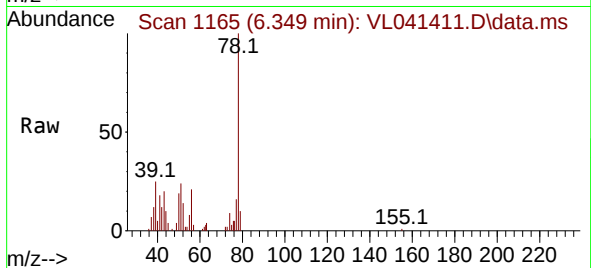
1DUP

Tgt Ion: 78	Resp: 3245
Ion Ratio	Lower Upper
78 100	
77 14.7	18.1 27.1
50 18.6	15.5 23.3

Manual Integrations

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



#53

Toluene

Concen: 0.288 ppbv

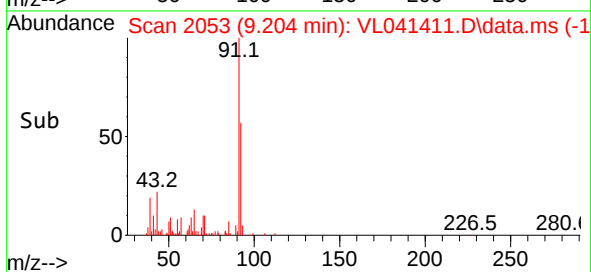
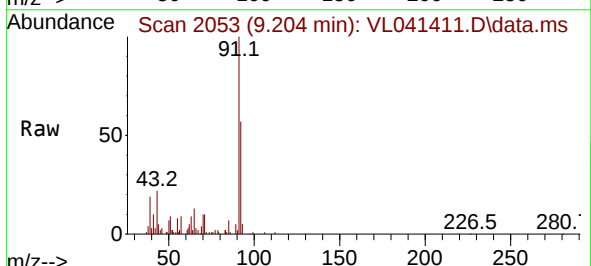
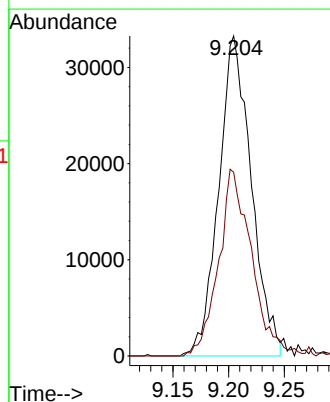
RT: 9.204 min Scan# 2053

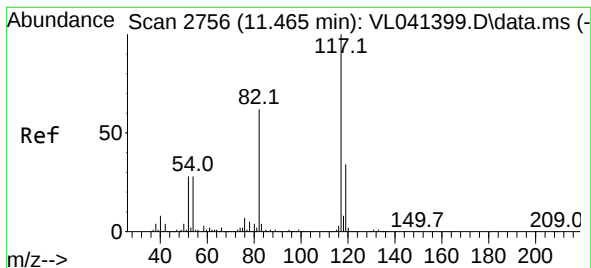
Delta R.T. -0.010 min

Lab File: VL041411.D

Acq: 26 Jul 2024 8:02

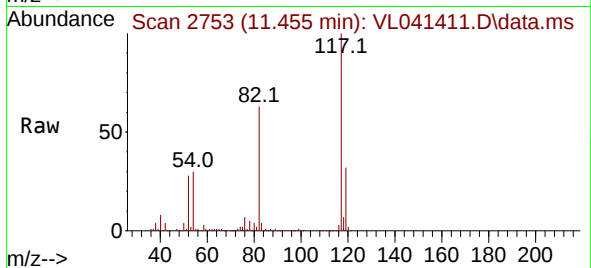
Tgt Ion: 91	Resp: 67727		
Ion Ratio	Lower	Upper	
91 100			
92 60.0	48.7	73.1	





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

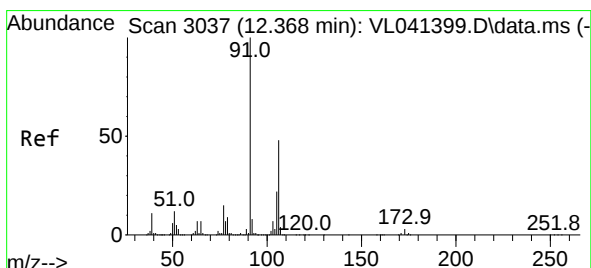
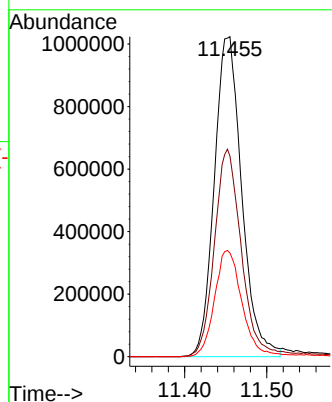
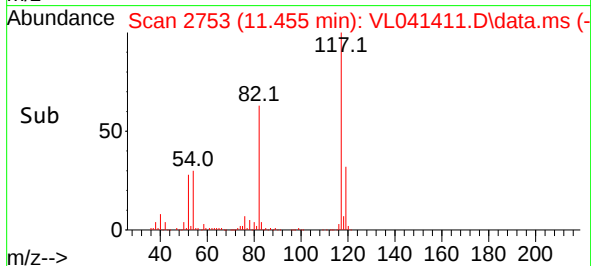
Instrument :
MSVOA_L
ClientSampleId :
1DUP



Tgt Ion: 117 Resp: 2383792
Ion Ratio Lower Upper
117 100
82 65.7 51.0 76.6
119 33.9 45.2 67.8

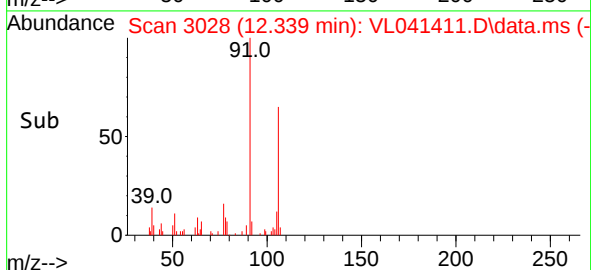
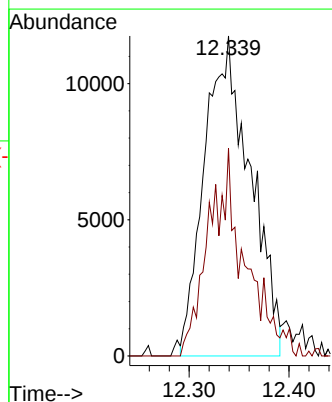
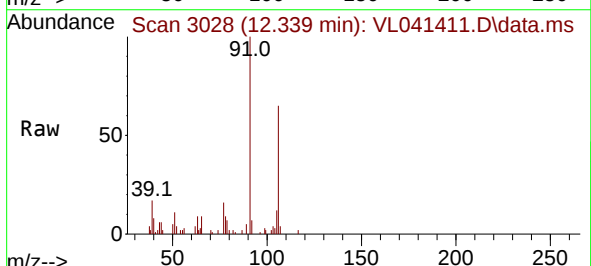
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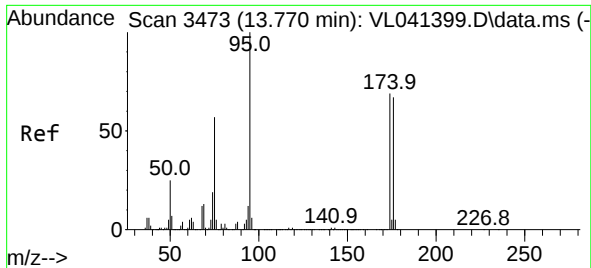
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#59
m/p-Xylene
Concen: 0.158 ppbv m
RT: 12.339 min Scan# 3028
Delta R.T. -0.029 min
Lab File: VL041411.D
Acq: 26 Jul 2024 8:02

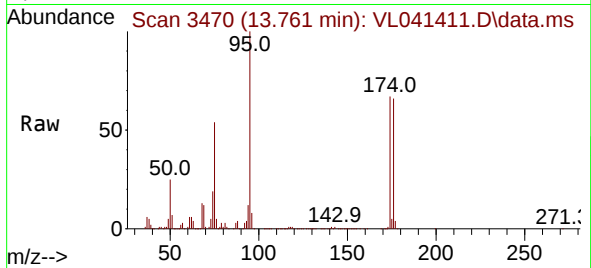
Tgt Ion: 91 Resp: 37394
Ion Ratio Lower Upper
91 100
106 0.0 36.3 54.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.558 ppbv
 RT: 13.761 min Scan# 3470
 Delta R.T. -0.010 min
 Lab File: VL041411.D
 Acq: 26 Jul 2024 8:02

Instrument :
 MSVOA_L
 ClientSampleId :
 1DUP



Tgt Ion: 95 Resp: 1753474
 Ion Ratio Lower Upper
 95 100
 174 70.5 56.3 84.5
 175 5.1 4.0 6.0

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

