

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041131.D
 Acq On : 4 Apr 2024 18:48
 Operator : SY/MD
 Sample : P1953-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin
 Yesilyurt
 04/05/2024
 Supervised By :Mahesh
 Dadoda
 04/05/2024

Quant Time: Apr 05 05:11:28 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Fri Apr 05 04:49:46 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1210096	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.677	114	3127728	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	2727657	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.809 95 2209783 10.075 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	68684	0.332	ppbv #	87
3) Chlorodifluoromethane	2.677	51	51031m	0.274	ppbv	
4) Chloromethane	2.816	50	40997	0.581	ppbv	93
9) Propene	2.700	41	459084	7.743	ppbv	89
10) Heptane	7.607	43	83107	0.590	ppbv	88
11) Trichlorofluoromethane	3.575	101	41523	0.221	ppbv	94
13) Ethanol	3.247	45	987625	70.031	ppbv	97
15) Acetone	3.478	43	838242	6.397	ppbv #	77
19) Isopropyl Alcohol	3.587	45	377209	4.739	ppbv	100
20) Methylene Chloride	3.947	84	766660	14.187	ppbv	97
26) Hexane	5.230	57	513241	4.648	ppbv #	46
30) Cyclohexane	6.623	84	42886	0.477	ppbv #	83
34) 2-Butanone	4.806	43	180361	1.363	ppbv	99
35) Carbon Tetrachloride	6.513	117	14393m	0.081	ppbv	
36) Benzene	6.391	78	577360	2.514	ppbv	97
44) 2,2,4-Trimethylpentane	7.353	57	1043313	2.744	ppbv	95
50) 4-Methyl-2-Pentanone	8.230	43	69344m	0.298	ppbv	
52) Tetrachloroethene	10.648	164	7384m	0.101	ppbv	
53) Toluene	9.250	91	2626483	10.860	ppbv	100
58) Ethyl Benzene	12.121	91	385552	1.291	ppbv	94
59) m/p-Xylene	12.378	91	1107934m	4.108	ppbv	
60) o-Xylene	13.085	91	373066	1.460	ppbv	97
61) Styrene	12.921	104	24702m	0.218	ppbv	
72) 4-Ethyltoluene	15.224	105	71233	0.250	ppbv #	87
73) 1,3,5-Trimethylbenzene	15.381	105	49596m	0.197	ppbv	
74) 1,2,4-Trimethylbenzene	16.137	105	211167	0.733	ppbv #	68

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

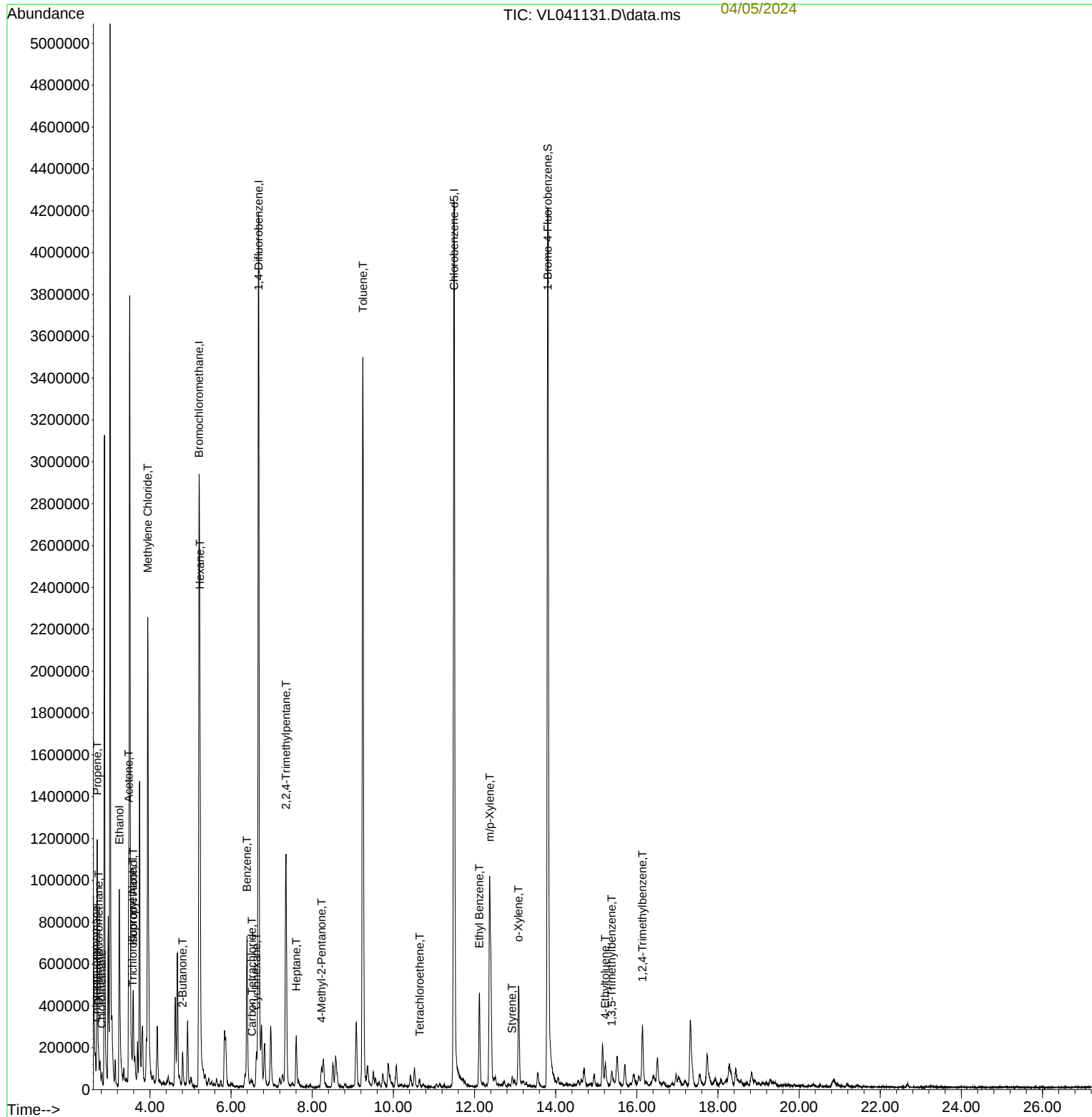
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
Data File : VL041131.D
Acq On : 4 Apr 2024 18:48
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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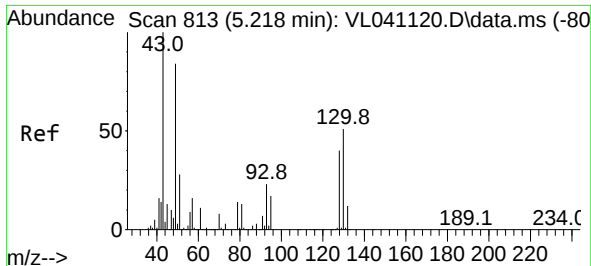
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Apr 05 05:11:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 05 04:49:46 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

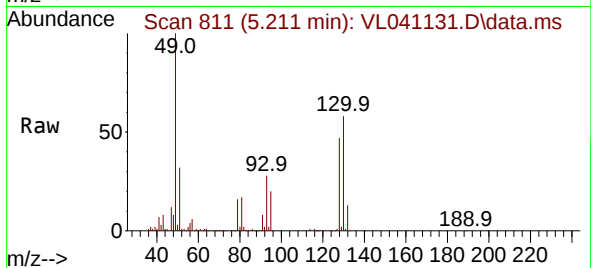
Reviewed By :Semsettin
Yesilyurt
04/05/2024
Supervised By :Mahesh
Dadoda
04/05/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

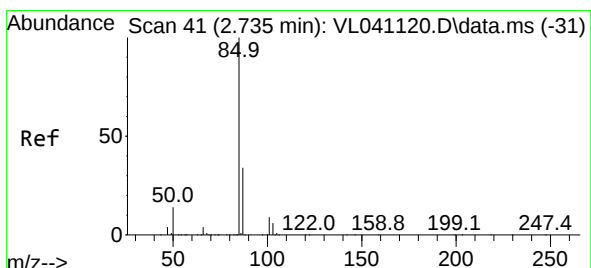
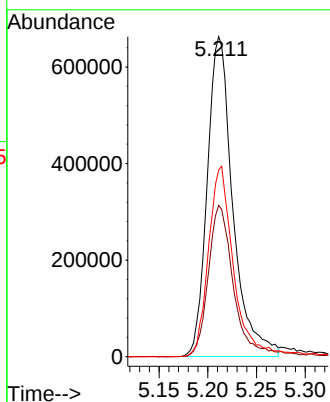
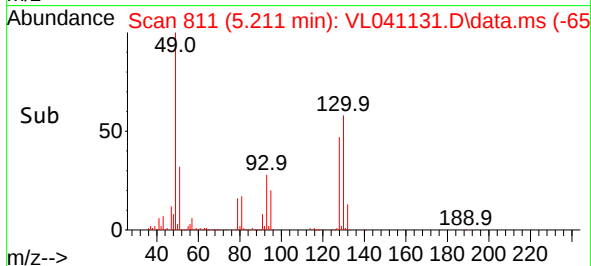
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 1210090
Ion Ratio Lower Upper
49 100
128 48.4 23.6 71.0
130 59.7 30.1 90.5

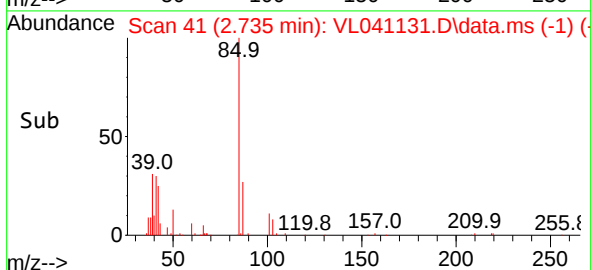
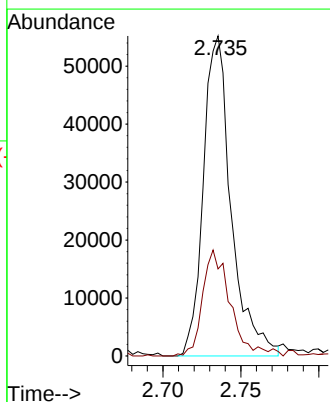
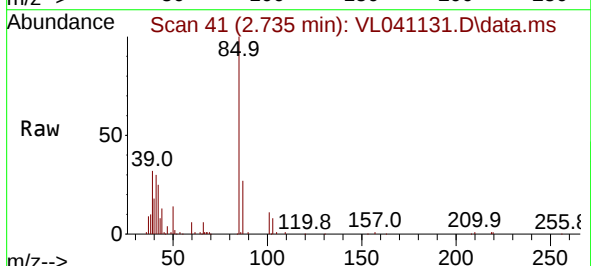
Manual Integrations
APPROVED

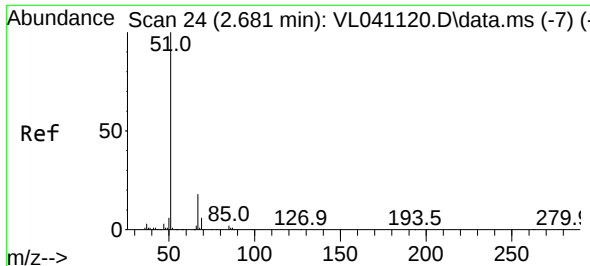
Reviewed By :Semsettin
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Dadoda
04/05/2024



#2
Dichlorodifluoromethane
Concen: 0.332 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

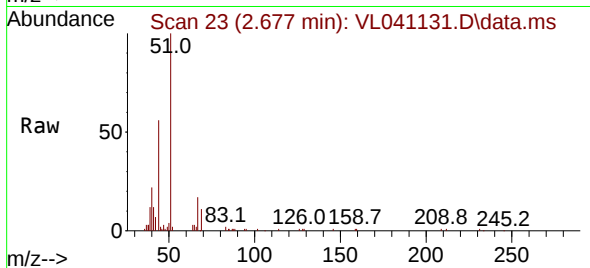
Tgt Ion: 85 Resp: 68684
Ion Ratio Lower Upper
85 100
87 26.6 27.0 40.6#





#3
Chlorodifluoromethane
Concen: 0.274 ppbv m
RT: 2.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

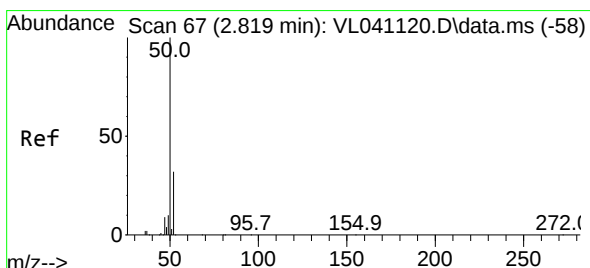
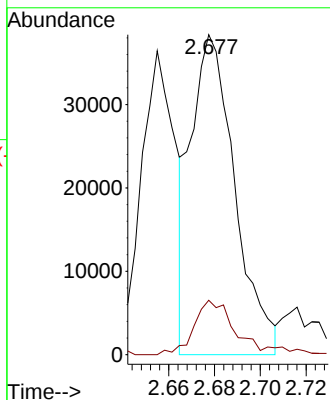
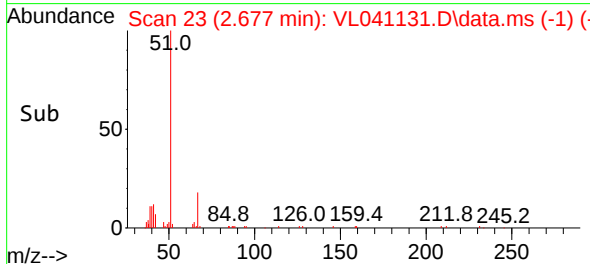
Instrument :
MSVOA_L
ClientSampleId :
IA1



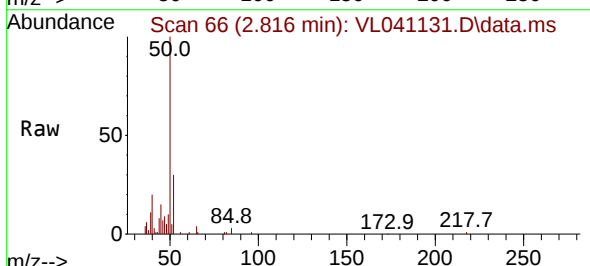
Tgt Ion: 51 Resp: 5103
Ion Ratio Lower Upper
51 100
67 18.2 14.9 22.3

Manual Integrations
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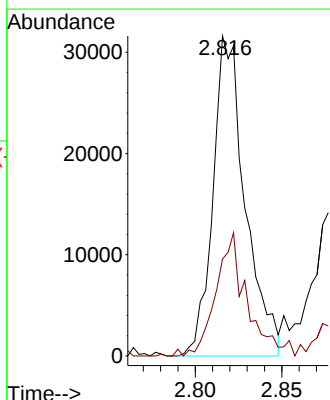
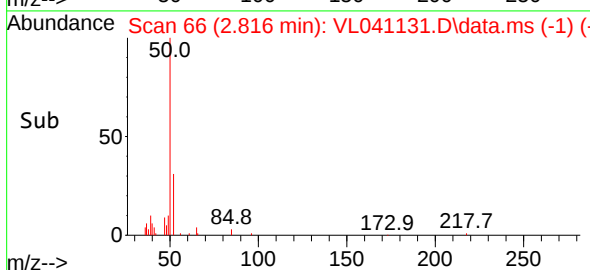
Reviewed By :Semsettin
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Supervised By :Mahesh
Dadoda
04/05/2024

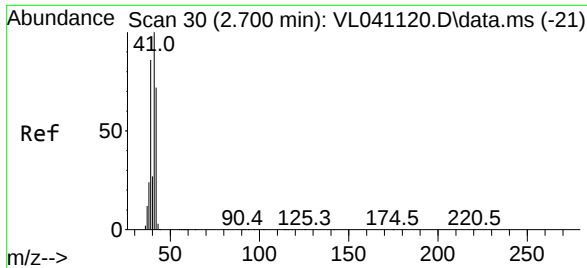


#4
Chloromethane
Concen: 0.581 ppbv
RT: 2.816 min Scan# 66
Delta R.T. -0.003 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48



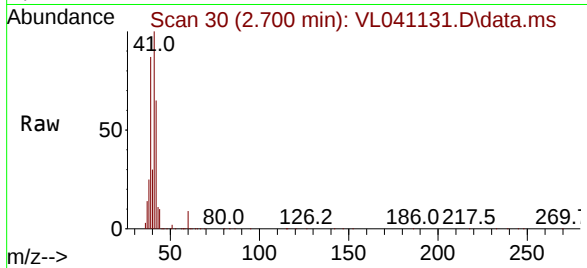
Tgt Ion: 50 Resp: 40997
Ion Ratio Lower Upper
50 100
52 28.7 26.0 39.0





#9
Propene
Concen: 7.743 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

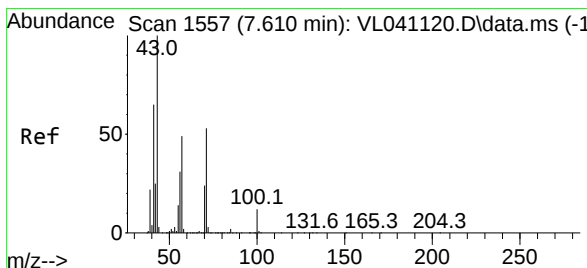
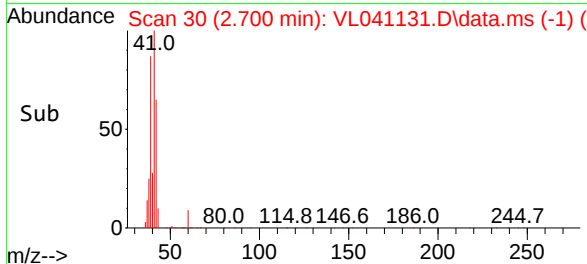
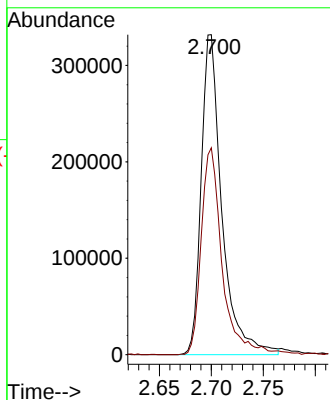
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 41 Resp: 459084
Ion Ratio Lower Upper
41 100
42 66.0 60.1 90.1

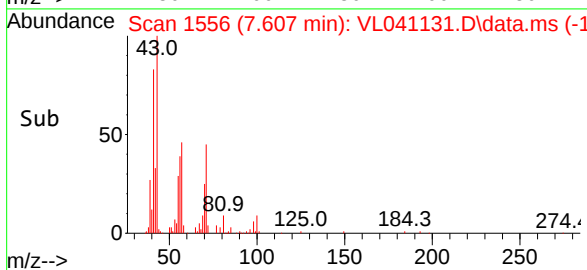
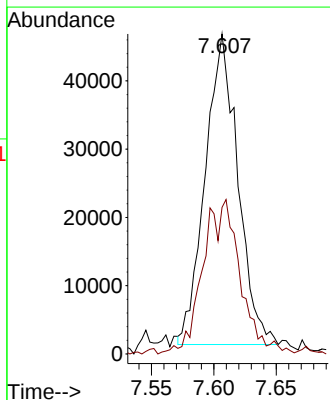
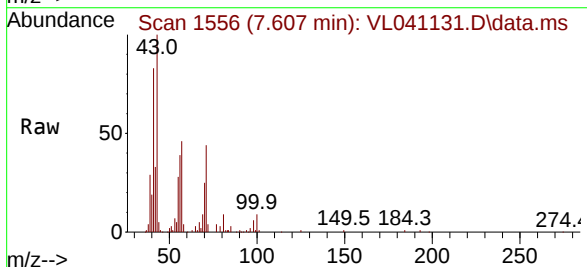
Manual Integrations
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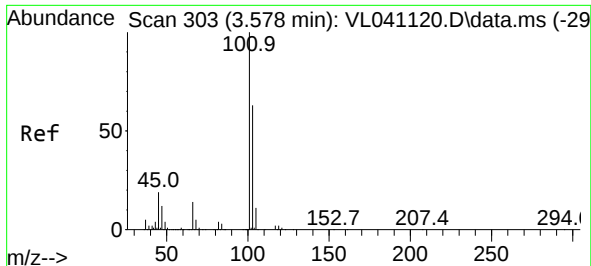
Reviewed By :Semsettin
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Supervised By :Mahesh
Dadoda
04/05/2024



#10
Heptane
Concen: 0.590 ppbv
RT: 7.607 min Scan# 1556
Delta R.T. -0.003 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

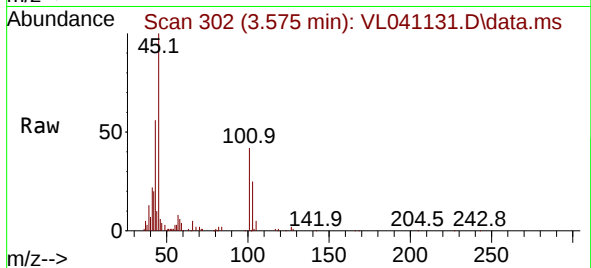
Tgt Ion: 43 Resp: 83107
Ion Ratio Lower Upper
43 100
57 58.4 39.9 59.9





#11
Trichlorofluoromethane
Concen: 0.221 ppbv
RT: 3.575 min Scan# 303
Delta R.T. -0.003 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

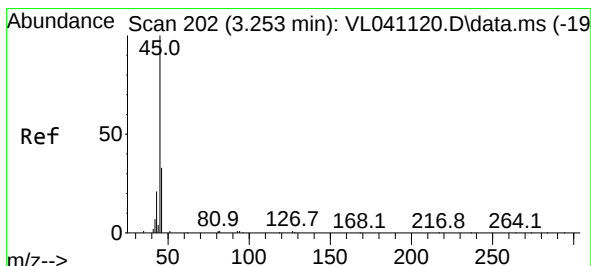
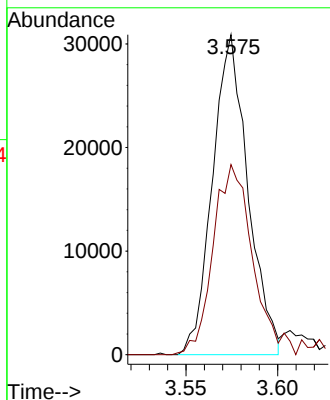
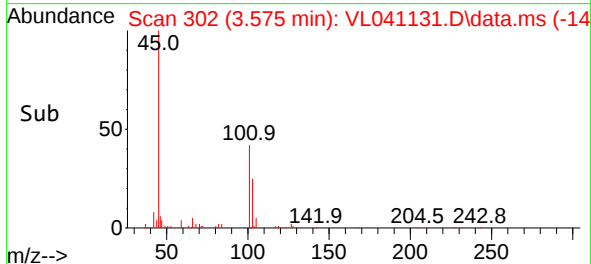
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:101 Resp: 41523
Ion Ratio Lower Upper
101 100
103 58.8 50.6 75.8

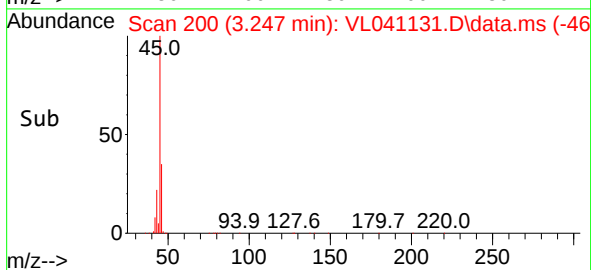
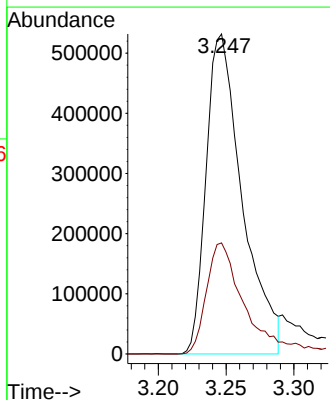
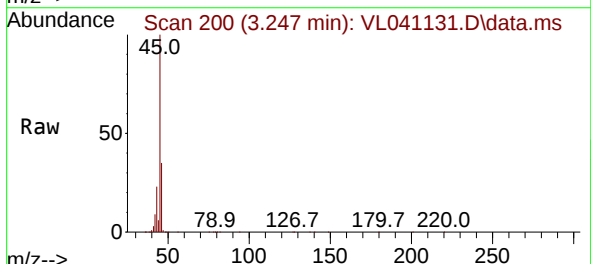
Manual Integrations
APPROVED

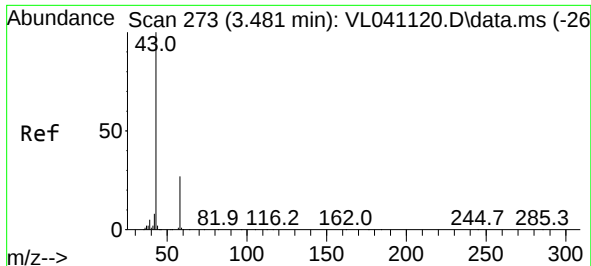
Reviewed By :Semsettin
Yesilyurt
04/05/2024
Supervised By :Mahesh
Dadoda
04/05/2024



#13
Ethanol
Concen: 70.031 ppbv
RT: 3.247 min Scan# 200
Delta R.T. -0.006 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

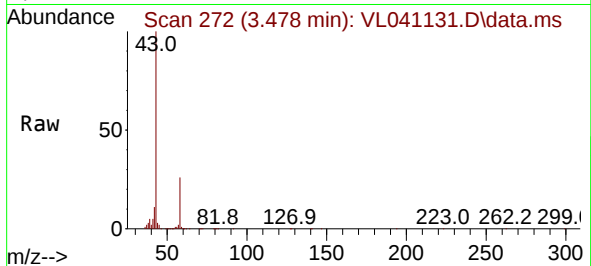
Tgt Ion: 45 Resp: 987625
Ion Ratio Lower Upper
45 100
46 39.2 15.0 59.8





#15
Acetone
Concen: 6.397 ppbv
RT: 3.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

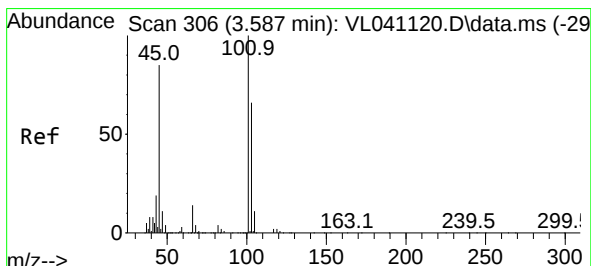
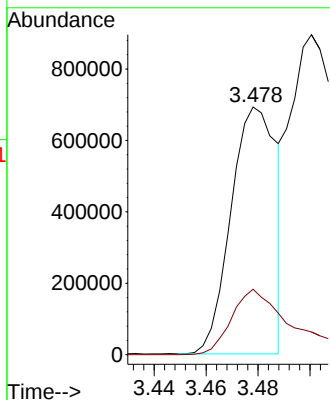
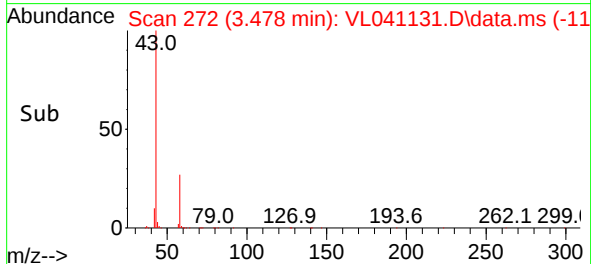
Instrument :
MSVOA_L
ClientSampleId :
IA1



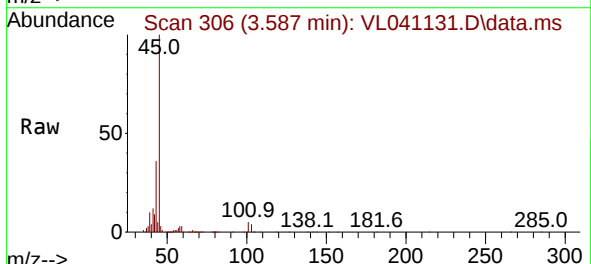
Tgt Ion: 43 Resp: 83824
Ion Ratio Lower Upper
43 100
58 38.3 21.1 31.7

Manual Integrations
APPROVED

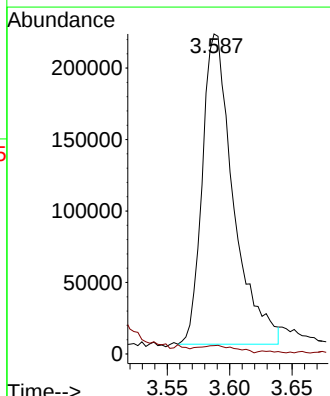
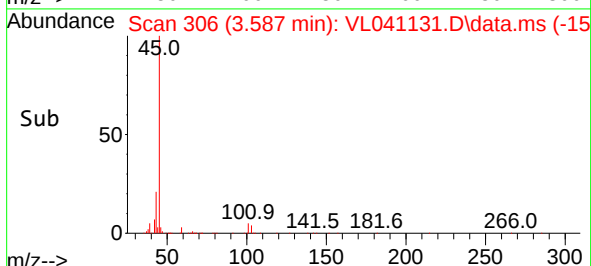
Reviewed By :Semsettin
Yesilyurt
04/05/2024
Supervised By :Mahesh
Dadoda
04/05/2024

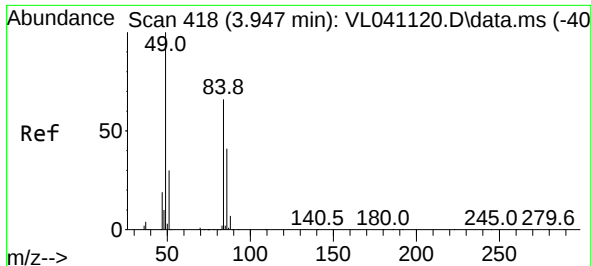


#19
Isopropyl Alcohol
Concen: 4.739 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.000 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48



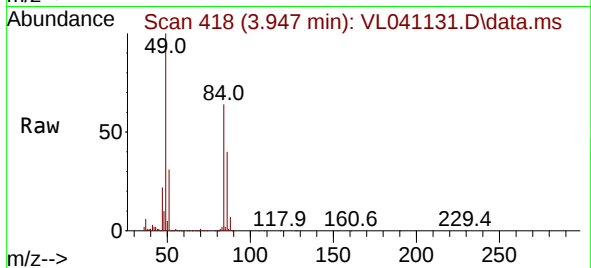
Tgt Ion: 45 Resp: 377209
Ion Ratio Lower Upper
45 100
58 3.5 2.8 4.2





#20
Methylene Chloride
Concen: 14.187 ppbv
RT: 3.947 min Scan# 418
Delta R.T. 0.000 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

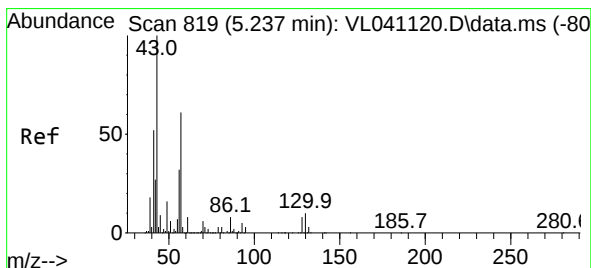
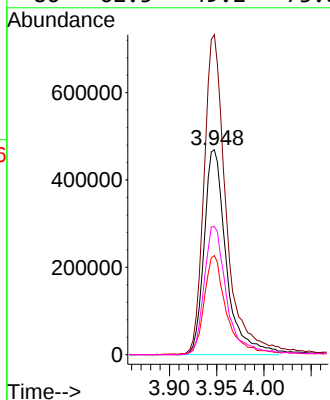
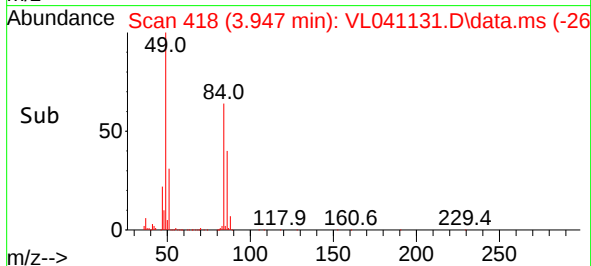
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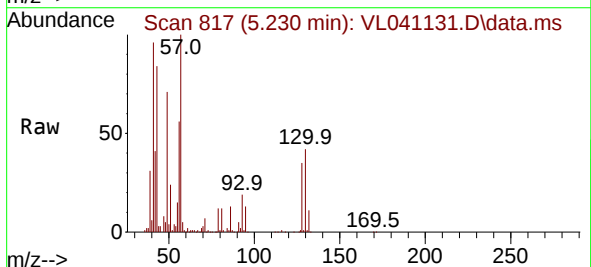
Tgt Ion: 84 Resp: 766660
Ion Ratio Lower Upper
84 100
49 156.1 120.7 181.1
51 47.9 36.6 54.8
86 62.5 49.2 73.8

Manual Integrations
APPROVED

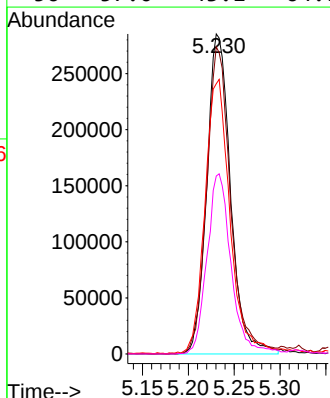
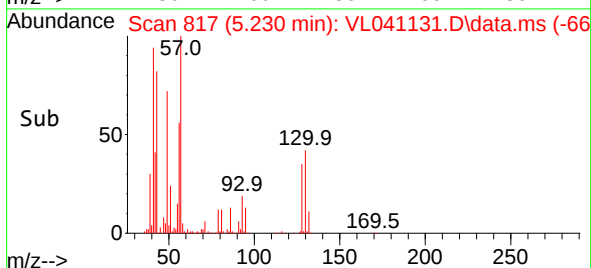
Reviewed By :Semsettin
Yesilyurt
04/05/2024
Supervised By :Mahesh
Dadoda
04/05/2024

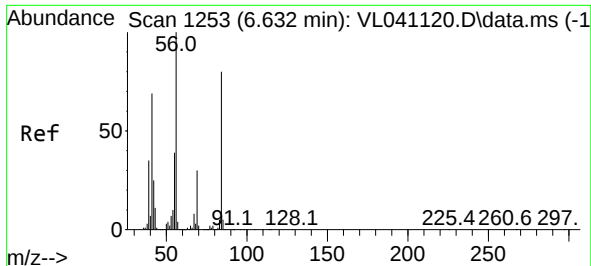


#26
Hexane
Concen: 4.648 ppbv
RT: 5.230 min Scan# 817
Delta R.T. -0.006 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48



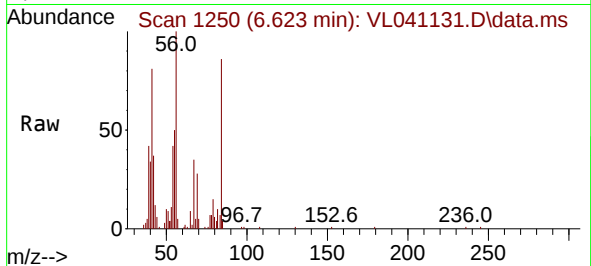
Tgt Ion: 57 Resp: 513241
Ion Ratio Lower Upper
57 100
41 99.7 73.8 110.8
43 92.3 186.2 279.2#
56 57.0 43.1 64.7





#30
Cyclohexane
Concen: 0.477 ppbv
RT: 6.623 min Scan# 1253
Delta R.T. -0.010 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

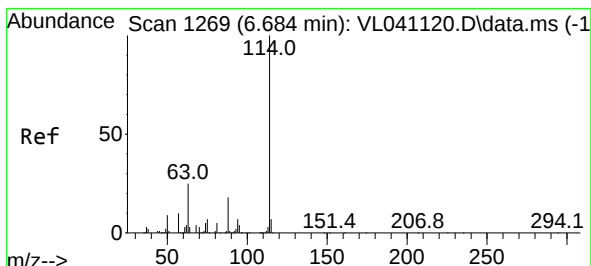
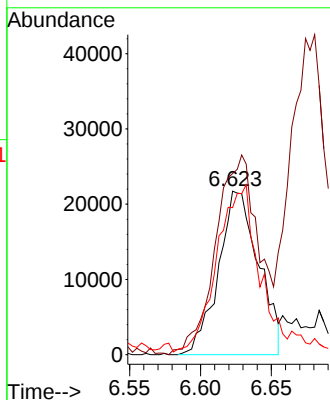
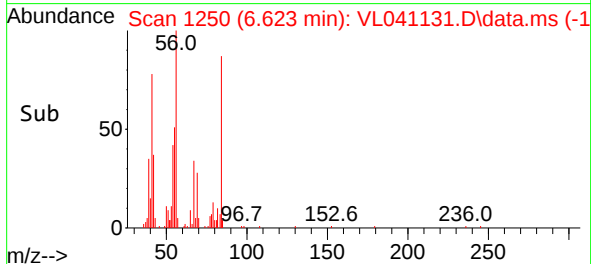
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 84 Resp: 42880
Ion Ratio Lower Upper
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56 121.8 111.9 167.9
41 107.0 71.0 106.6

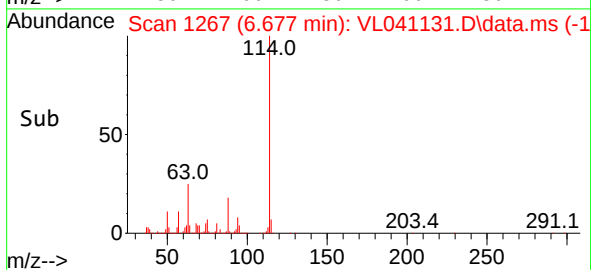
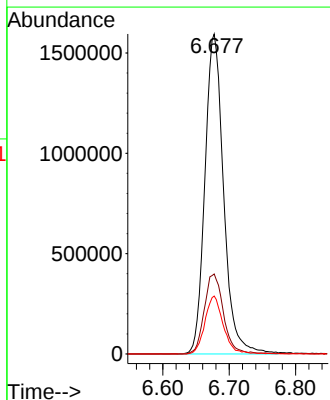
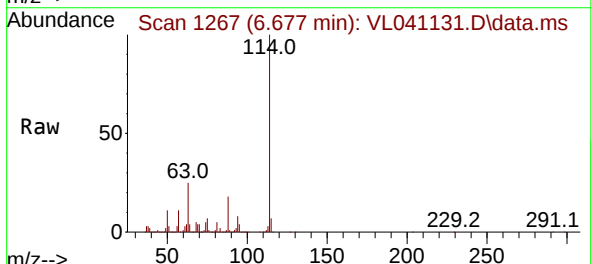
Manual Integrations
APPROVED

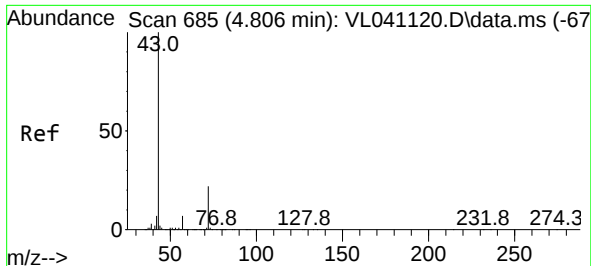
Reviewed By :Semsettin
Yesilyurt
04/05/2024
Supervised By :Mahesh
Dadoda
04/05/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.677 min Scan# 1267
Delta R.T. -0.006 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

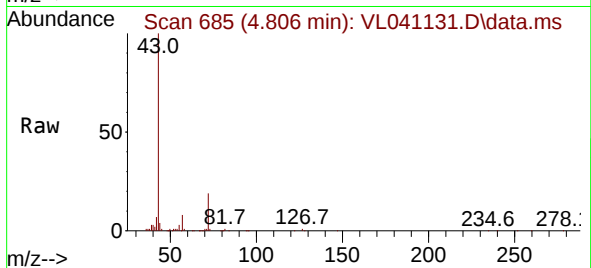
Tgt Ion:114 Resp: 3127728
Ion Ratio Lower Upper
114 100
63 25.9 20.9 31.3
88 17.9 14.5 21.7





#34
2-Butanone
Concen: 1.363 ppbv
RT: 4.806 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

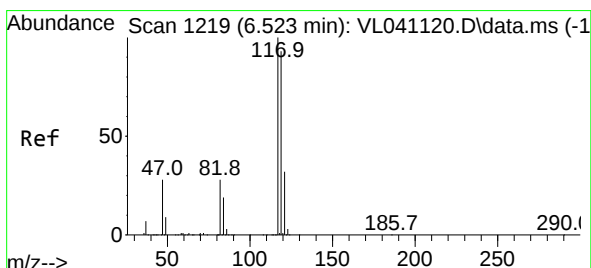
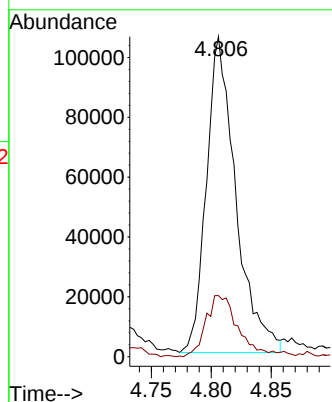
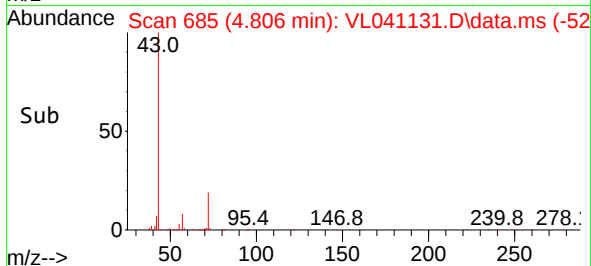
Instrument :
MSVOA_L
ClientSampleId :
IA1



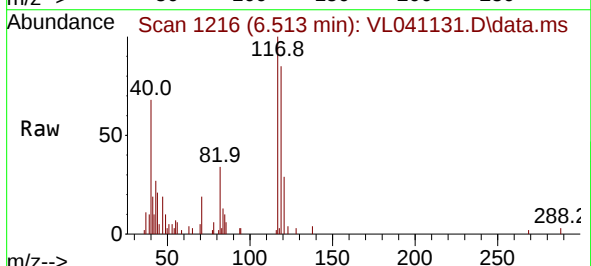
Tgt Ion: 43 Resp: 18036
Ion Ratio Lower Upper
43 100
72 22.6 17.6 26.4

Manual Integrations
APPROVED

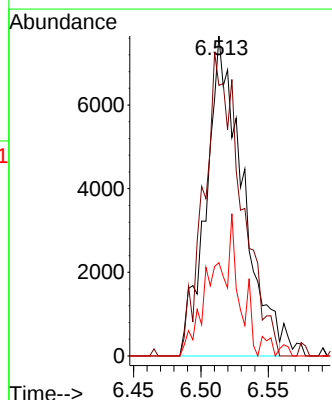
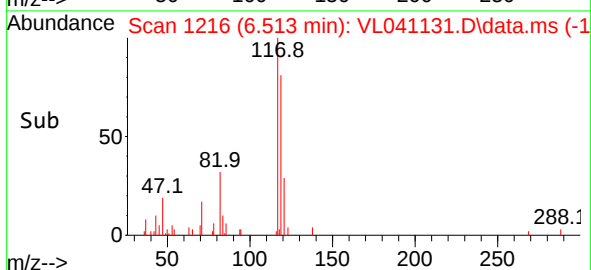
Reviewed By :Semsettin
Yesilyurt
04/05/2024
Supervised By :Mahesh
Dadoda
04/05/2024

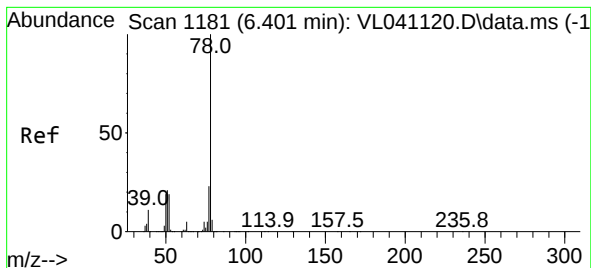


#35
Carbon Tetrachloride
Concen: 0.081 ppbv m
RT: 6.513 min Scan# 1216
Delta R.T. -0.010 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48



Tgt Ion:117 Resp: 14393
Ion Ratio Lower Upper
117 100
119 84.6 74.2 111.4
121 29.2 25.4 38.2





#36

Benzene

Concen: 2.514 ppbv

RT: 6.391 min Scan# 1181

Delta R.T. -0.010 min

Lab File: VL041131.D

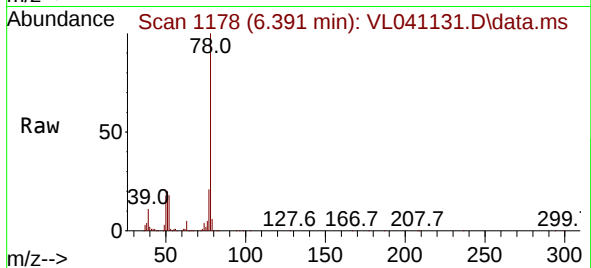
Acq: 4 Apr 2024 18:48

Instrument :

MSVOA_L

ClientSampleId :

IA1



Tgt Ion: 78 Resp: 577360

Ion Ratio Lower Upper

78 100

77 21.3 18.2 27.4

50 17.9 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Semsettin

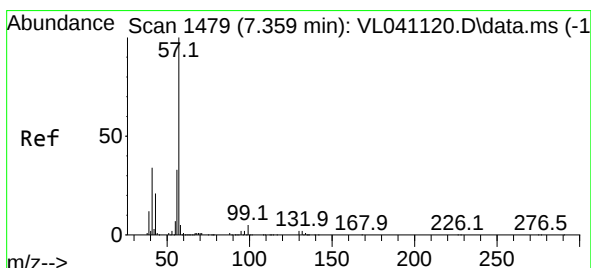
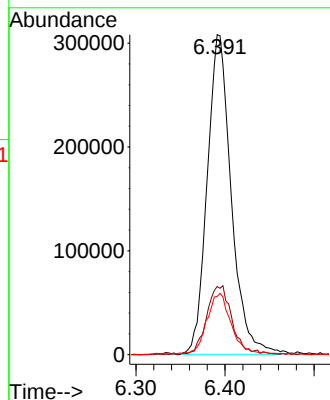
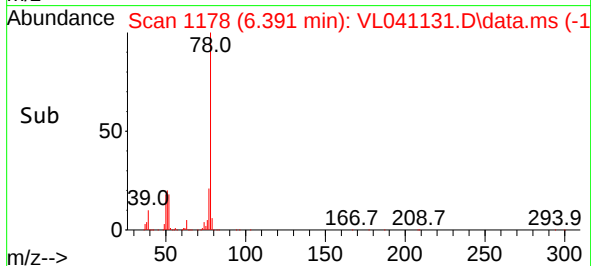
Yesilyurt

04/05/2024

Supervised By :Mahesh

Dadoda

04/05/2024



#44

2,2,4-Trimethylpentane

Concen: 2.744 ppbv

RT: 7.353 min Scan# 1477

Delta R.T. -0.006 min

Lab File: VL041131.D

Acq: 4 Apr 2024 18:48

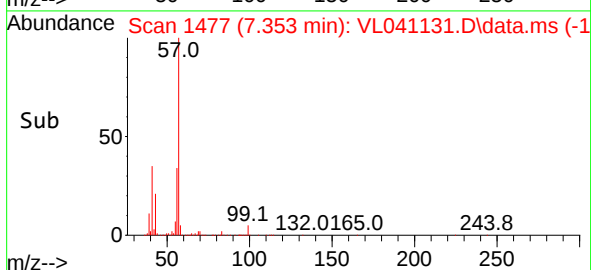
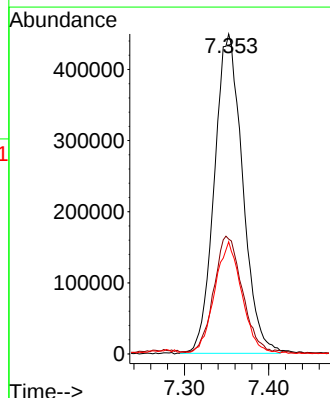
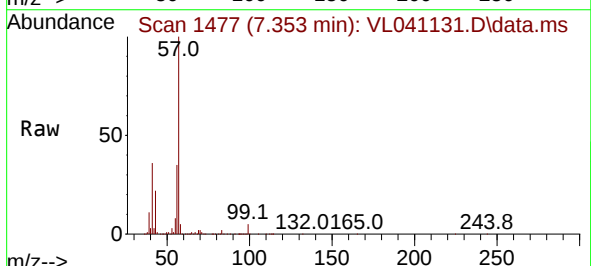
Tgt Ion: 57 Resp: 1043313

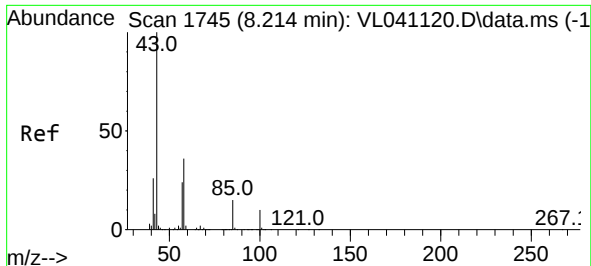
Ion Ratio Lower Upper

57 100

41 38.2 28.2 42.2

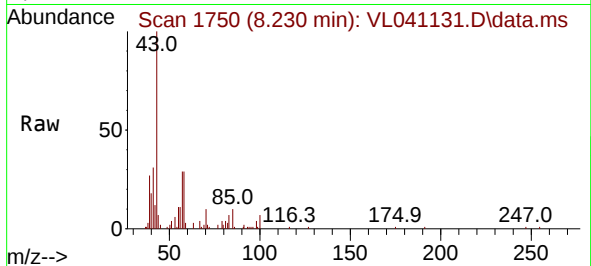
56 34.5 25.2 37.8





#50
4-Methyl-2-Pentanone
Concen: 0.298 ppbv m
RT: 8.230 min Scan# 1
Delta R.T. 0.016 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

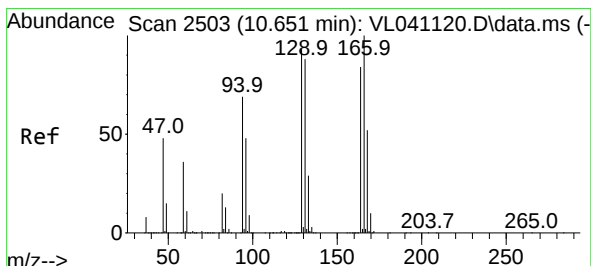
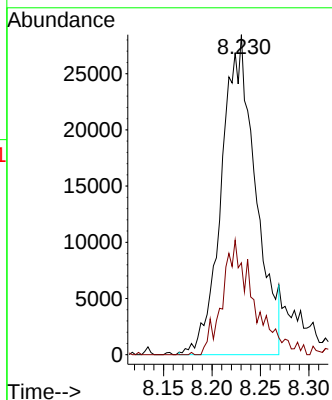
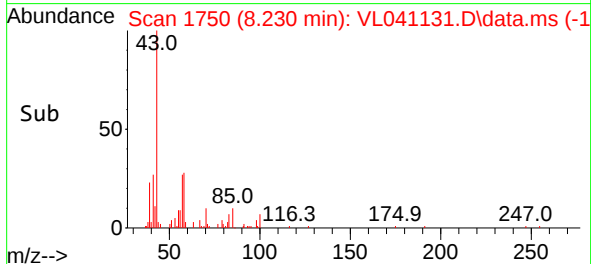
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 6934
Ion Ratio Lower Upper
43 100
58 34.3 27.7 41.5

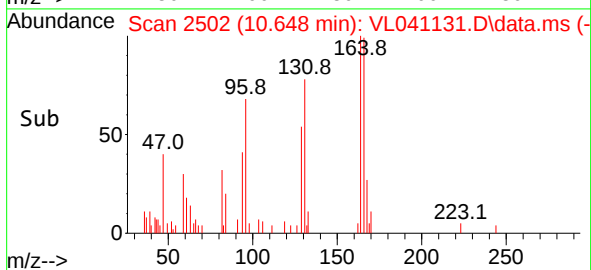
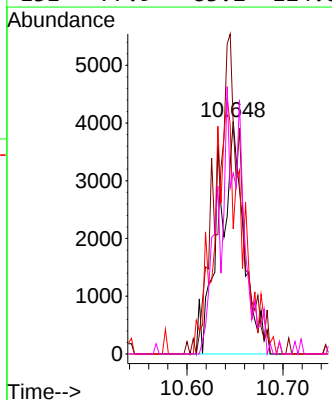
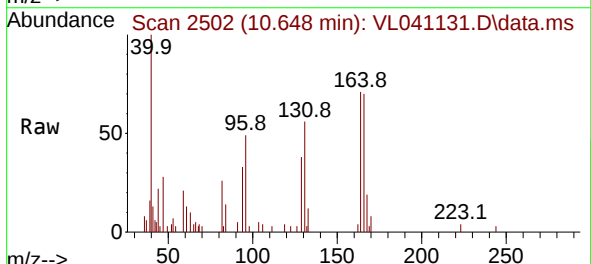
Manual Integrations
APPROVED

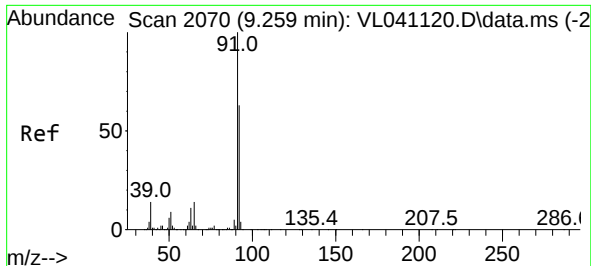
Reviewed By :Semsettin
Yesilyurt
04/05/2024
Supervised By :Mahesh
Dadoda
04/05/2024



#52
Tetrachloroethene
Concen: 0.101 ppbv m
RT: 10.648 min Scan# 2502
Delta R.T. -0.003 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

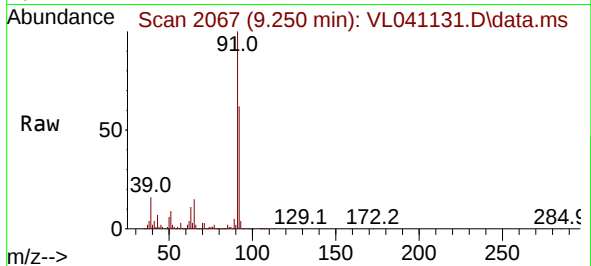
Tgt Ion:164 Resp: 7384
Ion Ratio Lower Upper
164 100
166 98.8 95.0 142.6
129 53.8 88.7 133.1#
131 77.9 83.2 124.8#





#53
Toluene
Concen: 10.860 ppbv
RT: 9.250 min Scan# 2070
Delta R.T. -0.010 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

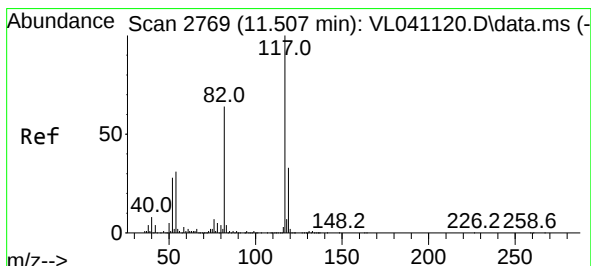
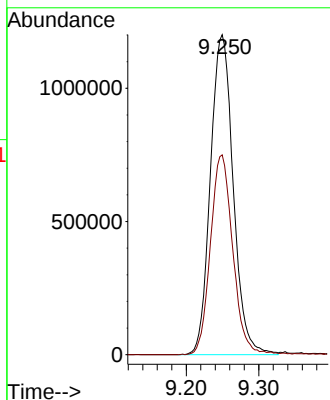
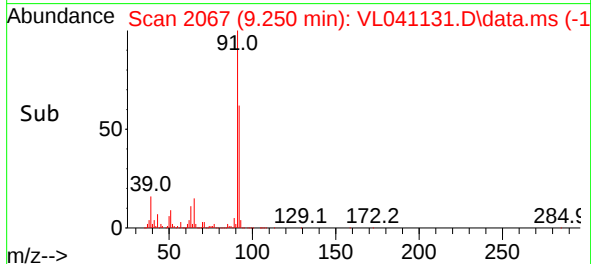
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 262648
Ion Ratio Lower Upper
91 100
92 61.5 49.0 73.4

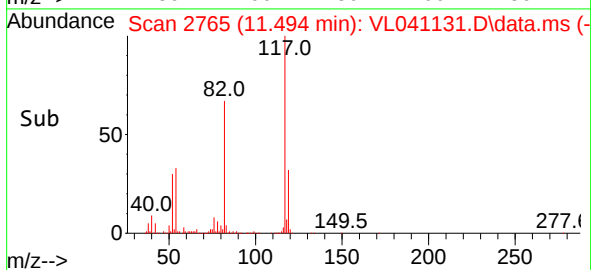
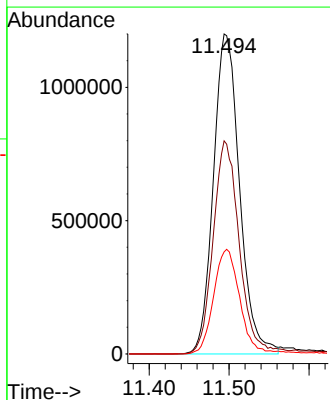
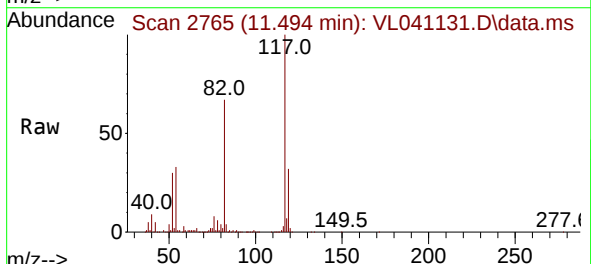
Manual Integrations
APPROVED

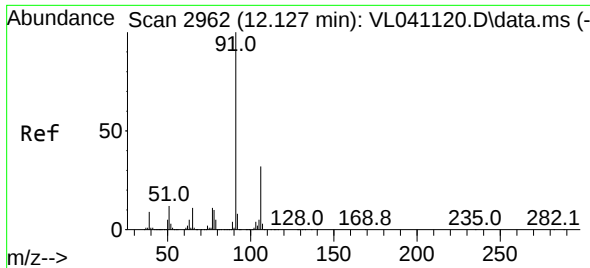
Reviewed By :Semsettin
Yesilyurt
04/05/2024
Supervised By :Mahesh
Dadoda
04/05/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. -0.013 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

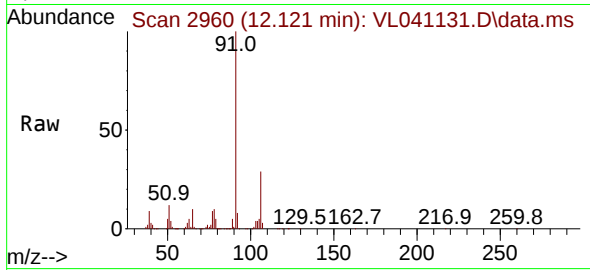
Tgt Ion:117 Resp: 2727657
Ion Ratio Lower Upper
117 100
82 68.2 51.0 76.6
119 33.3 25.2 37.8





#58
Ethyl Benzene
Concen: 1.291 ppbv
RT: 12.121 min Scan# 2960
Delta R.T. -0.006 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

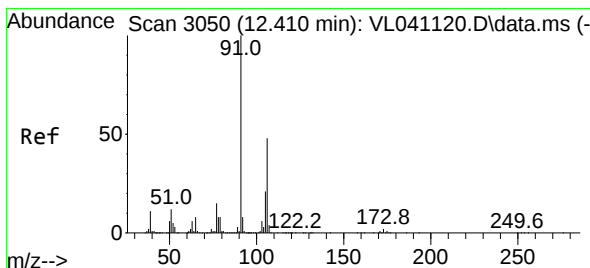
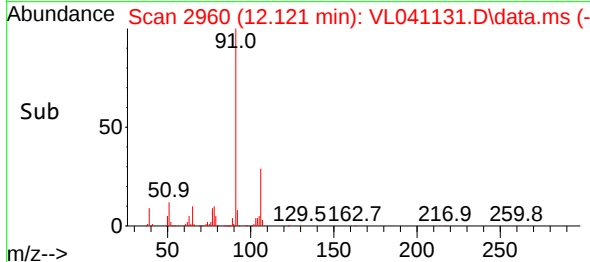
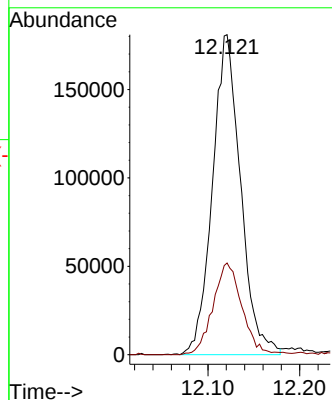
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 38555
Ion Ratio Lower Upper
91 100
106 28.7 25.6 38.4

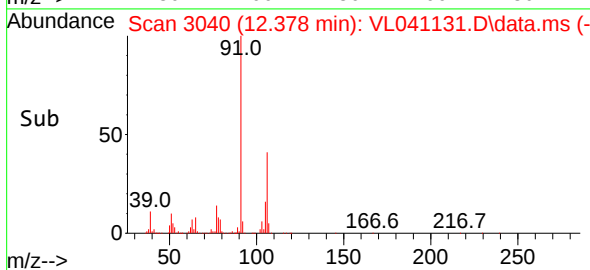
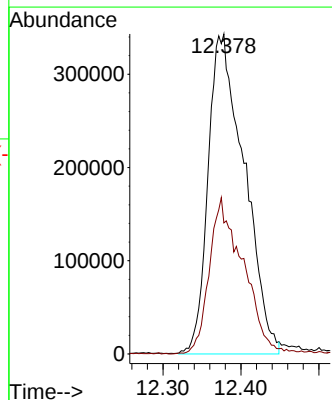
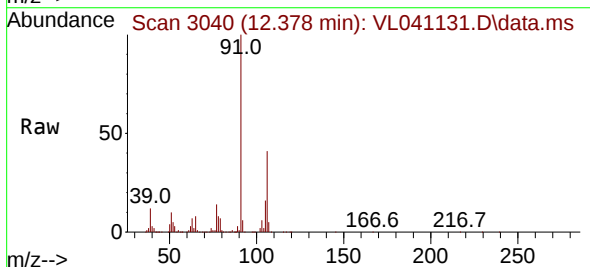
Manual Integrations
APPROVED

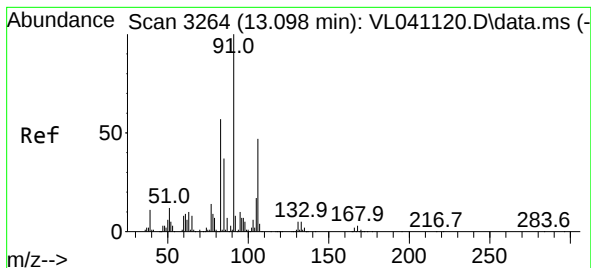
Reviewed By :Semsettin
Yesilyurt
04/05/2024
Supervised By :Mahesh
Dadoda
04/05/2024



#59
m/p-Xylene
Concen: 4.108 ppbv m
RT: 12.378 min Scan# 3040
Delta R.T. -0.032 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

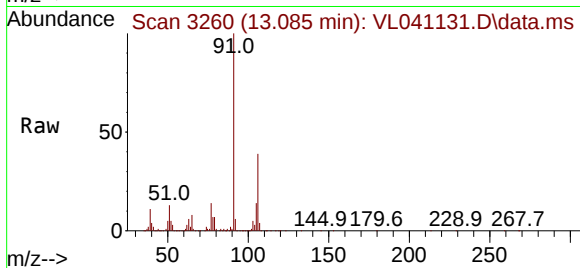
Tgt Ion: 91 Resp: 1107934
Ion Ratio Lower Upper
91 100
106 45.9 35.4 53.2





#60
o-Xylene
Concen: 1.460 ppbv
RT: 13.085 min Scan# 3109
Delta R.T. -0.013 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

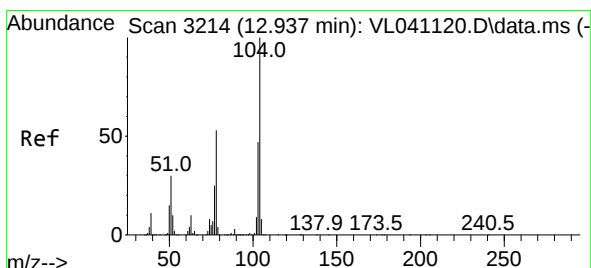
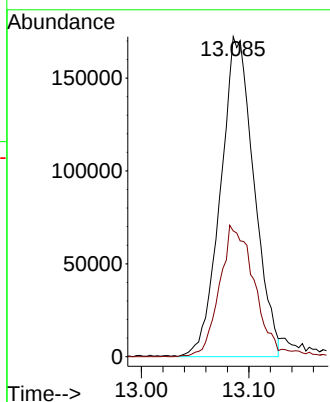
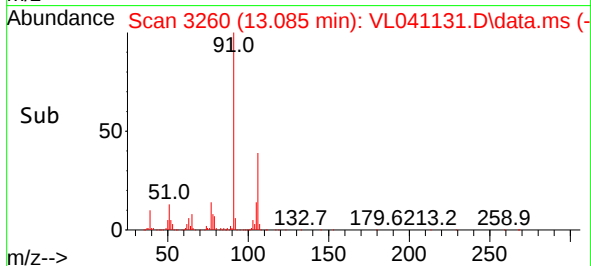
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 37306
Ion Ratio Lower Upper
91 100
106 43.9 22.9 68.5

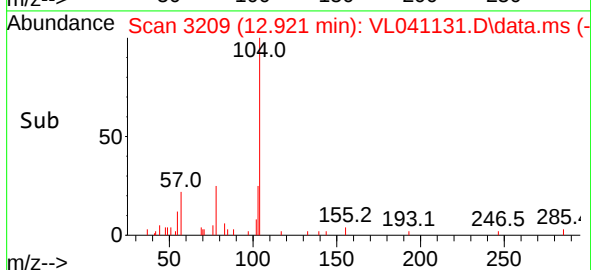
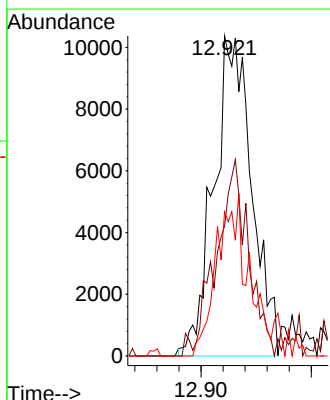
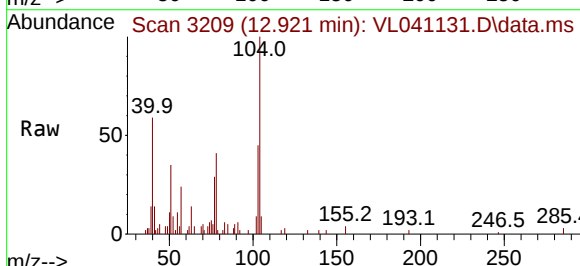
Manual Integrations
APPROVED

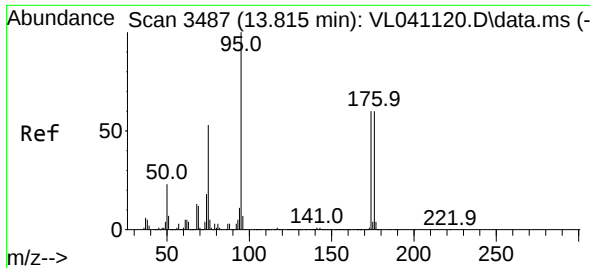
Reviewed By :Semsettin
Yesilyurt
04/05/2024
Supervised By :Mahesh
Dadoda
04/05/2024



#61
Styrene
Concen: 0.218 ppbv m
RT: 12.921 min Scan# 3209
Delta R.T. -0.016 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

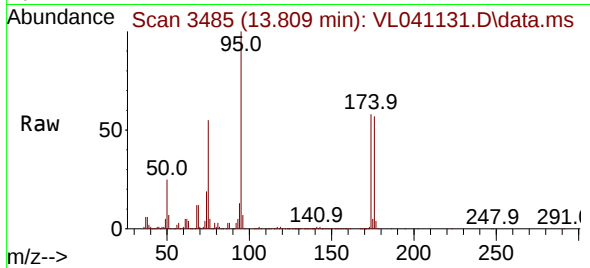
Tgt Ion:104 Resp: 24702
Ion Ratio Lower Upper
104 100
78 0.0 43.3 64.9#
103 0.0 38.2 57.2#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.075 ppbv
RT: 13.809 min Scan# 3485
Delta R.T. -0.006 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

Instrument :
MSVOA_L
ClientSampleId :
IA1

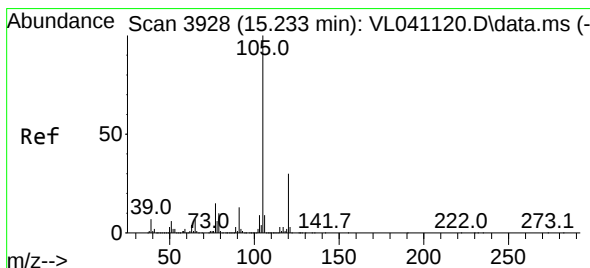
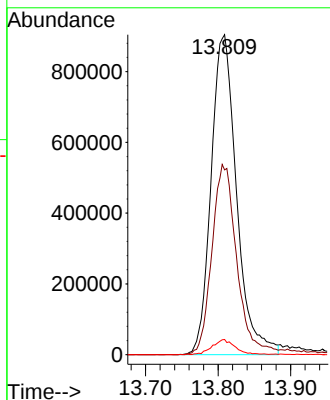
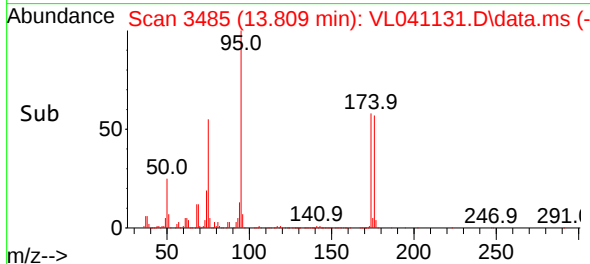


Tgt Ion: 95 Resp: 220978
Ion Ratio Lower Upper
95 100
174 60.0 49.3 73.9
175 4.3 3.6 5.4

Manual Integrations
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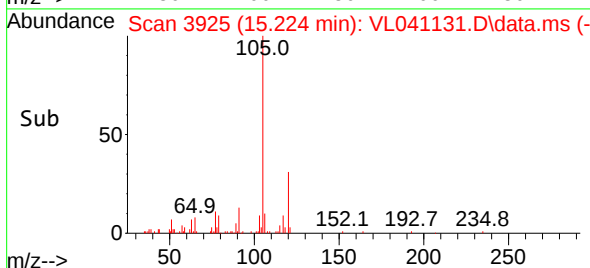
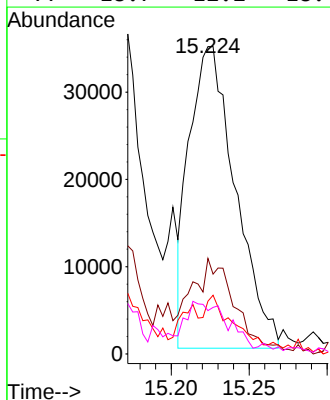
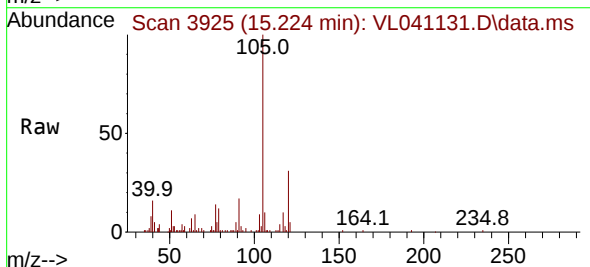
Reviewed By :Semsettin
Yesilyurt
04/05/2024

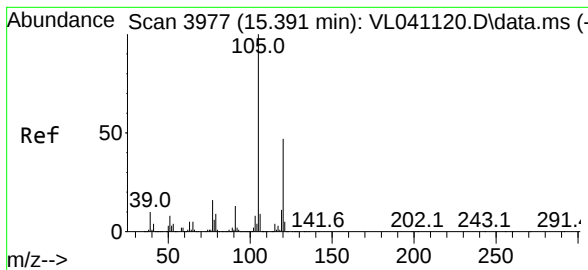
Supervised By :Mahesh
Dadoda
04/05/2024



#72
4-Ethyltoluene
Concen: 0.250 ppbv
RT: 15.224 min Scan# 3925
Delta R.T. -0.010 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

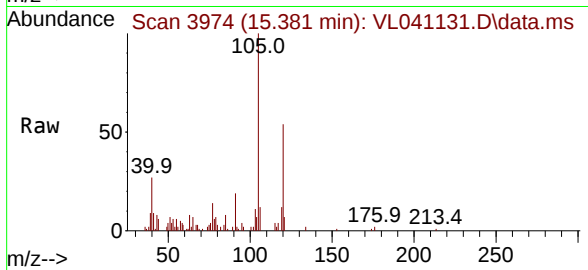
Tgt Ion:105 Resp: 71233
Ion Ratio Lower Upper
105 100
120 37.7 24.2 36.2#
91 21.0 11.2 16.8#
77 18.7 12.2 18.4#





#73
1,3,5-Trimethylbenzene
Concen: 0.197 ppbv m
RT: 15.381 min Scan# 3977
Delta R.T. -0.010 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48

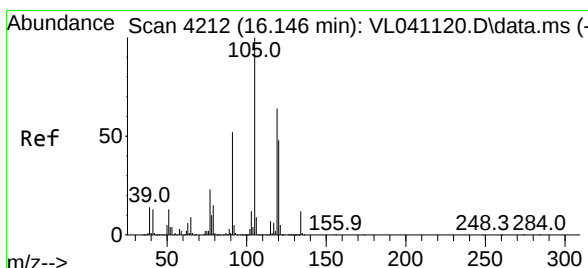
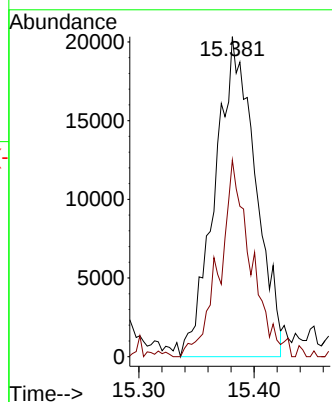
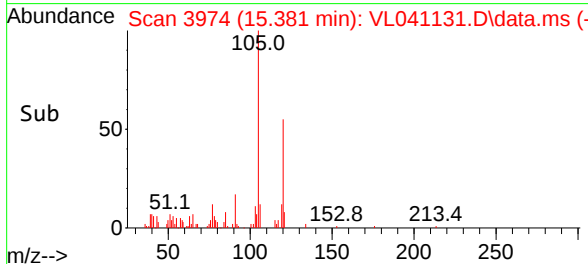
Instrument : MSVOA_L
ClientSampleId : IA1



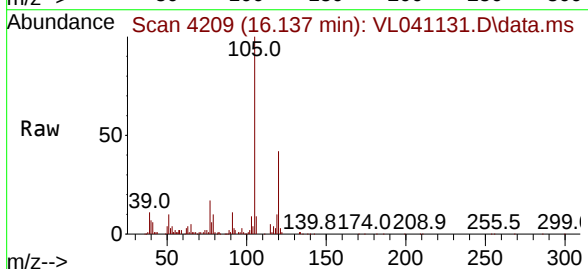
Tgt Ion:105 Resp: 49590
Ion Ratio Lower Upper
105 100
120 54.0 37.8 56.8

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt
04/05/2024
Supervised By :Mahesh
Dadoda
04/05/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.733 ppbv
RT: 16.137 min Scan# 4209
Delta R.T. -0.010 min
Lab File: VL041131.D
Acq: 4 Apr 2024 18:48



Tgt Ion:105 Resp: 211167
Ion Ratio Lower Upper
105 100
120 42.6 38.9 58.3
91 10.4 43.0 64.6#
77 16.2 18.6 28.0#

