

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040825.D
 Acq On : 9 Nov 2023 00:37
 Operator : SY/MD
 Sample : 05275-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-IA-3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023
 Supervised By :Mahesh Dadoda 11/13/2023

Quant Time: Nov 09 02:15:37 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Nov 09 00:25:02 2023

Response via : Initial Calibration

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

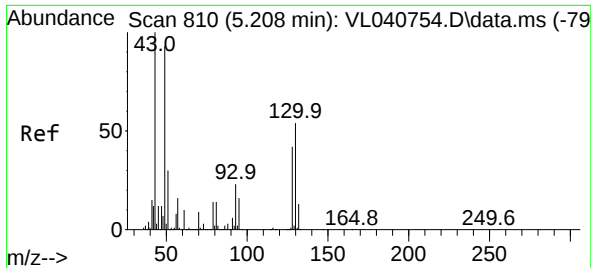
Internal Standards						
1) Bromochloromethane	5.205	49	1040535	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2667854	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2102289	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1512858	9.780	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.767	85	105183	0.574	ppbv	97
3) Chlorodifluoromethane	2.713	51	61297m	0.401	ppbv	
4) Chloromethane	2.848	50	28895	0.479	ppbv #	88
9) Propene	2.735	41	108386m	1.908	ppbv	
10) Heptane	7.574	43	30842m	0.216	ppbv	
11) Trichlorofluoromethane	3.587	101	37445	0.265	ppbv	96
13) Ethanol	3.266	45	449568	35.063	ppbv	99
15) Acetone	3.501	43	452277m	4.204	ppbv	
19) Isopropyl Alcohol	3.610	45	187928m	2.714	ppbv	
20) Methylene Chloride	3.957	84	93875	2.095	ppbv	98
26) Hexane	5.227	57	1568229	14.559	ppbv #	41
30) Cyclohexane	6.603	84	10188m	0.111	ppbv	
34) 2-Butanone	4.809	43	75236	0.623	ppbv	92
35) Carbon Tetrachloride	6.504	117	11340m	0.076	ppbv	
36) Benzene	6.381	78	113426	0.553	ppbv	97
44) 2,2,4-Trimethylpentane	7.330	57	110867	0.319	ppbv #	81
52) Tetrachloroethene	10.616	164	3417m	0.041	ppbv	
53) Toluene	9.217	91	242424	0.993	ppbv	100
58) Ethyl Benzene	12.085	91	46767m	0.177	ppbv	
59) m/p-Xylene	12.336	91	122798m	0.564	ppbv	
60) o-Xylene	13.047	91	45344m	0.218	ppbv	
74) 1,2,4-Trimethylbenzene	16.108	105	57021	0.244	ppbv #	73

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

Manual Integrations

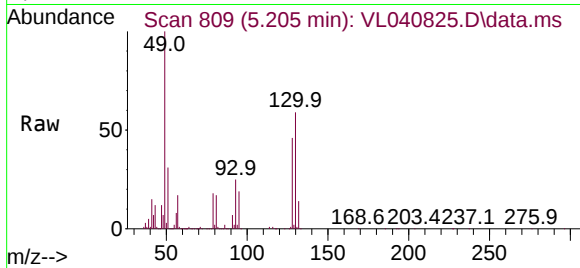
Quant Time: Nov 09 02:15:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Nov 09 00:25:02 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

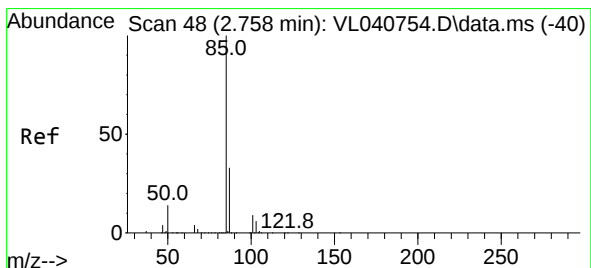
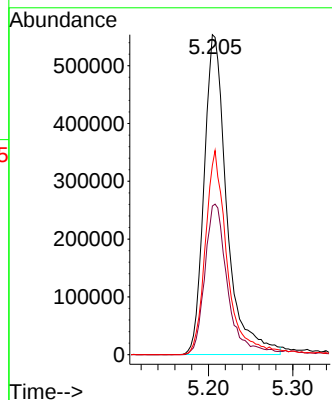
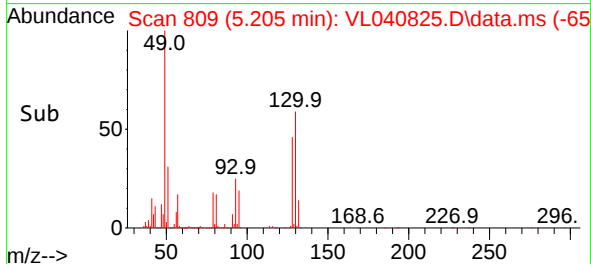
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-3



Tgt Ion: 49 Resp: 104053
Ion Ratio Lower Upper
49 100
128 48.2 23.9 71.7
130 62.3 30.7 92.1

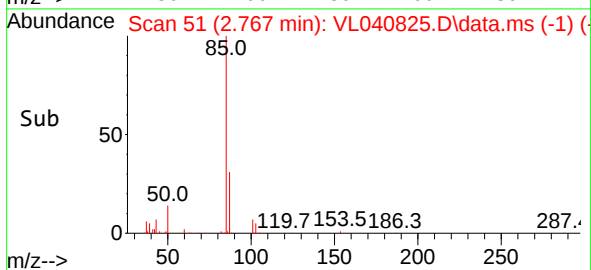
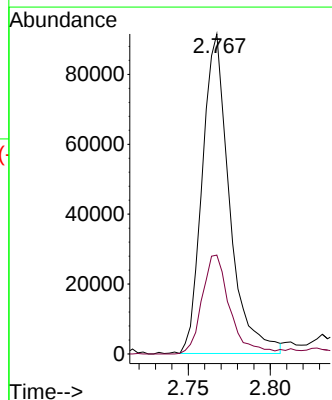
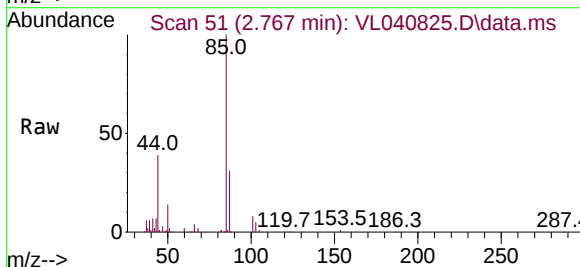
Manual Integrations
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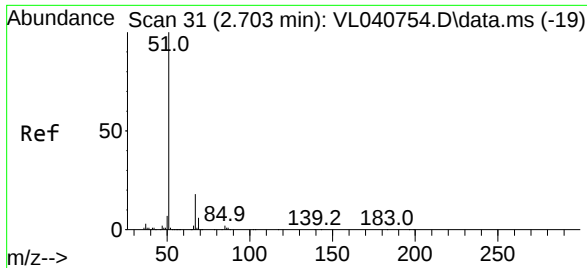
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#2
Dichlorodifluoromethane
Concen: 0.574 ppbv
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

Tgt Ion: 85 Resp: 105183
Ion Ratio Lower Upper
85 100
87 30.8 26.0 39.0





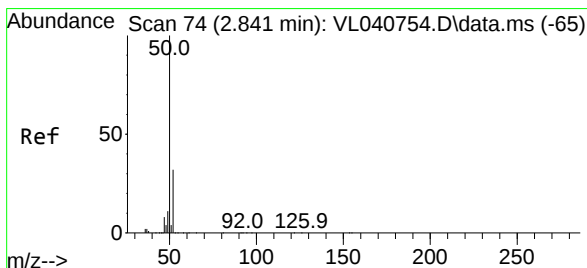
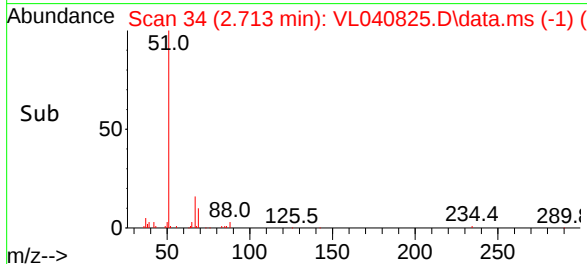
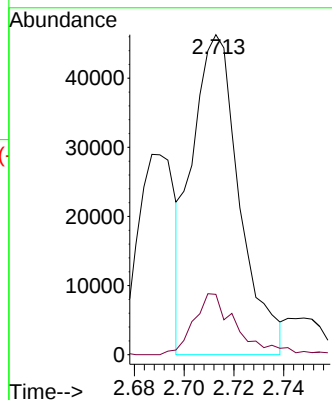
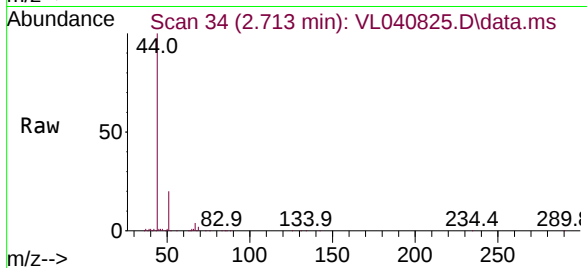
#3
Chlorodifluoromethane
Concen: 0.401 ppbv m
RT: 2.713 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-3

Tgt Ion: 51 Resp: 6129
Ion Ratio Lower Upper
51 100
67 18.9 13.8 20.6

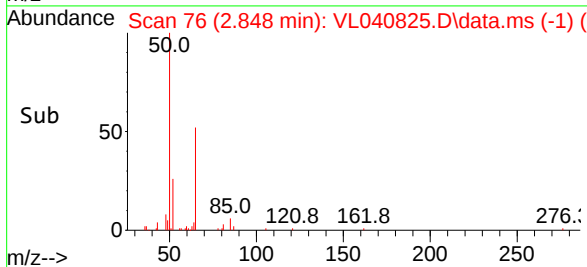
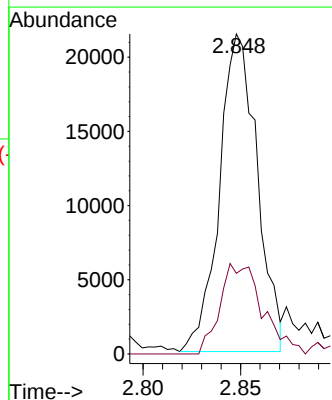
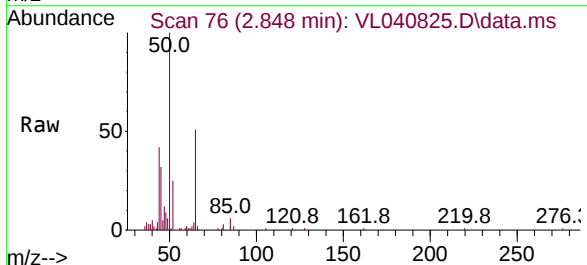
Manual Integrations
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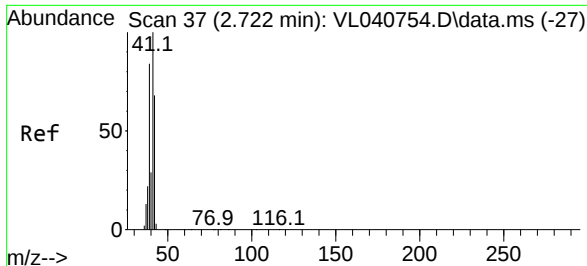
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#4
Chloromethane
Concen: 0.479 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.006 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

Tgt Ion: 50 Resp: 28895
Ion Ratio Lower Upper
50 100
52 25.0 25.3 37.9





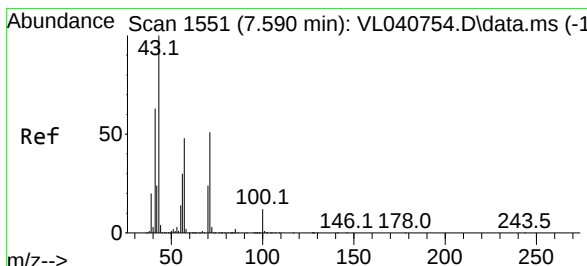
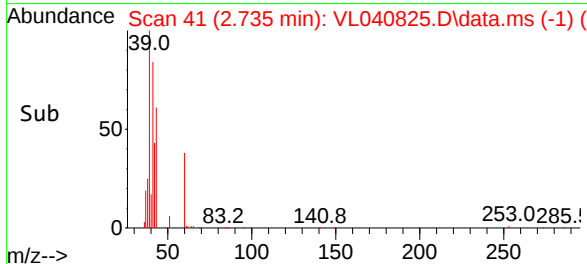
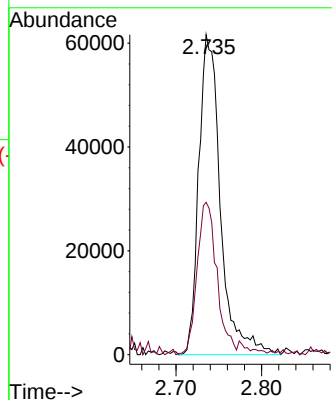
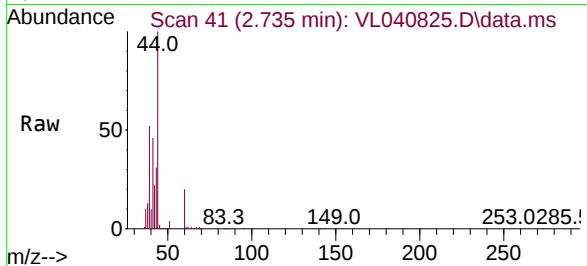
#9
 Propene
 Concen: 1.908 ppbv m
 RT: 2.735 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040825.D
 Acq: 9 Nov 2023 00:37

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-IA-3

Tgt Ion: 41 Resp: 108380
 Ion Ratio Lower Upper
 41 100
 42 69.1 57.1 85.7

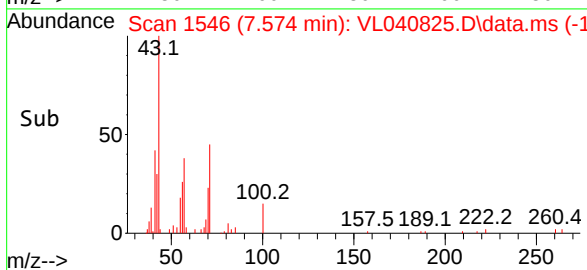
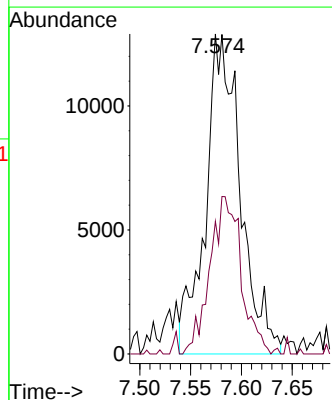
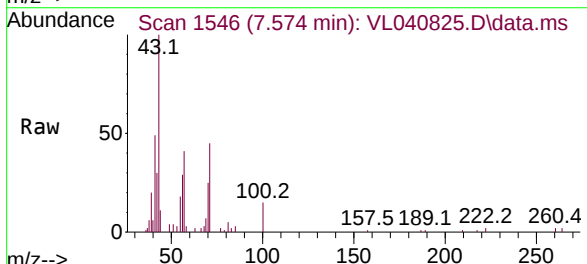
Manual Integrations
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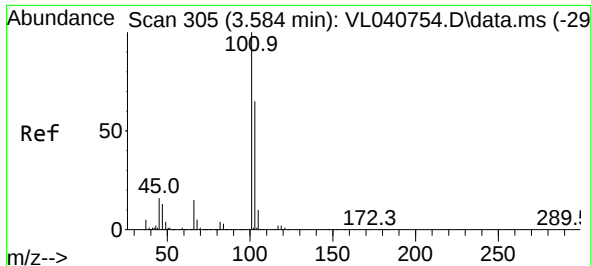
Reviewed By :Semsettin Yesilyurt 11/11/2023
 Supervised By :Mahesh Dadoda 11/13/2023



#10
 Heptane
 Concen: 0.216 ppbv m
 RT: 7.574 min Scan# 1546
 Delta R.T. -0.013 min
 Lab File: VL040825.D
 Acq: 9 Nov 2023 00:37

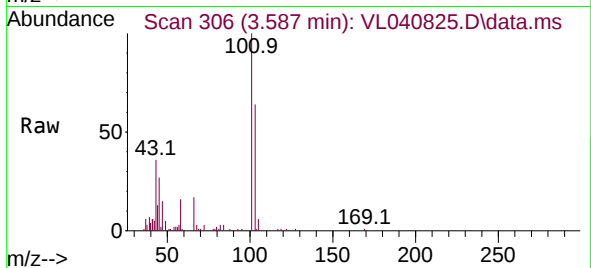
Tgt Ion: 43 Resp: 30842
 Ion Ratio Lower Upper
 43 100
 57 45.6 40.0 60.0





#11
 Trichlorofluoromethane
 Concen: 0.265 ppbv
 RT: 3.587 min Scan# 305
 Delta R.T. -0.006 min
 Lab File: VL040825.D
 Acq: 9 Nov 2023 00:37

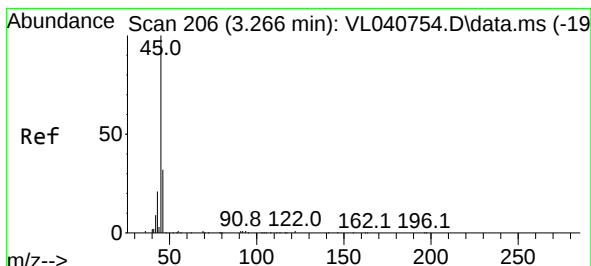
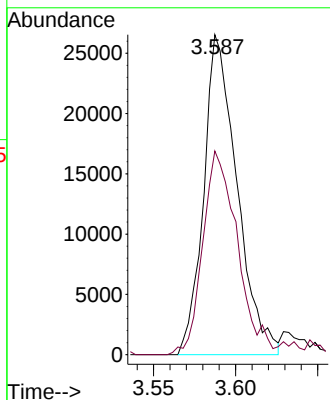
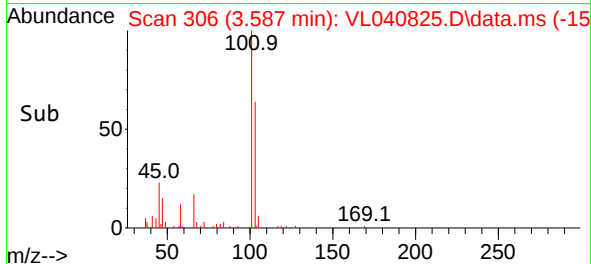
Instrument :
 MSVOA_L
 ClientSampleId :
 NT-IA-3



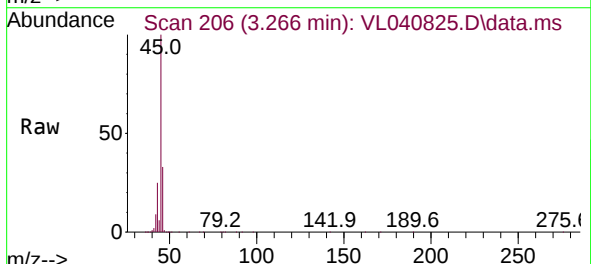
Tgt Ion:101 Resp: 37445
 Ion Ratio Lower Upper
 101 100
 103 62.1 52.2 78.2

Manual Integrations
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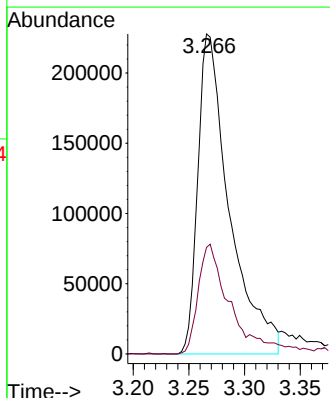
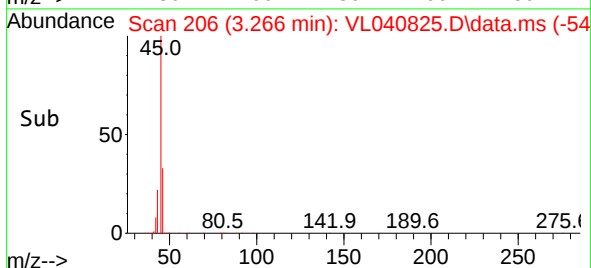
Reviewed By :Semsettin Yesilyurt 11/11/2023
 Supervised By :Mahesh Dadoda 11/13/2023

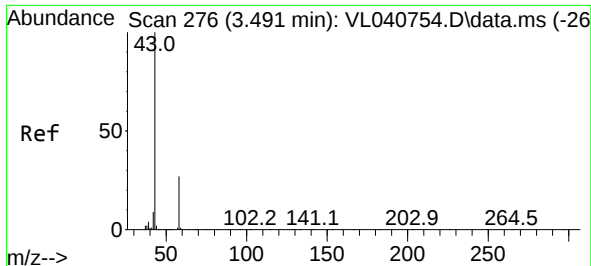


#13
 Ethanol
 Concen: 35.063 ppbv
 RT: 3.266 min Scan# 206
 Delta R.T. -0.013 min
 Lab File: VL040825.D
 Acq: 9 Nov 2023 00:37



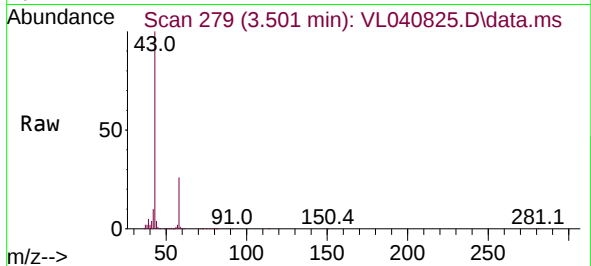
Tgt Ion: 45 Resp: 449568
 Ion Ratio Lower Upper
 45 100
 46 37.0 14.6 58.2





#15
Acetone
Concen: 4.204 ppbv m
RT: 3.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

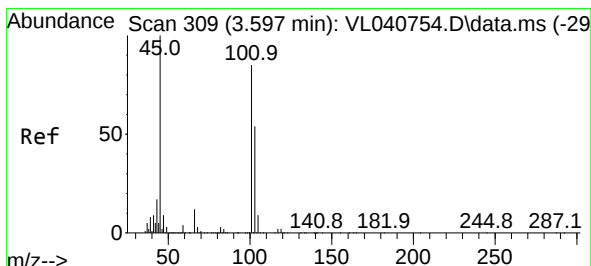
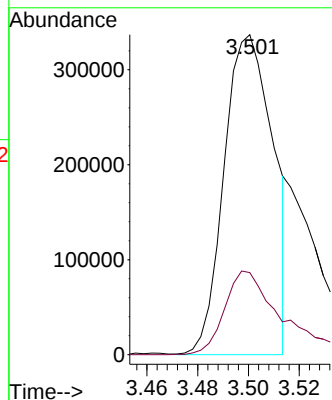
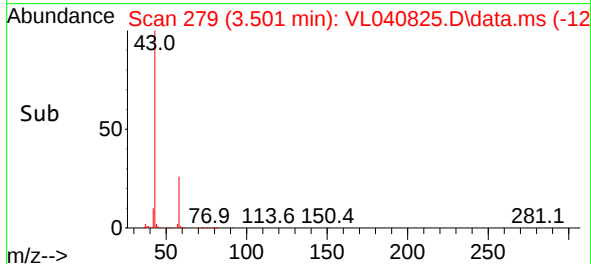
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-3



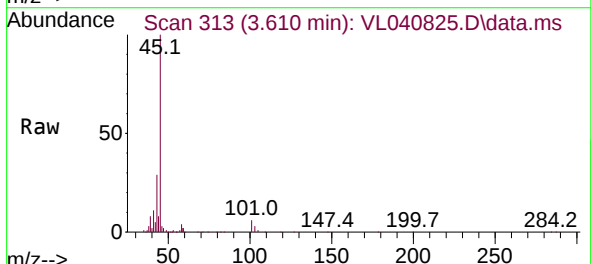
Tgt Ion: 43 Resp: 452277
Ion Ratio Lower Upper
43 100
58 34.9 21.6 32.4

Manual Integrations
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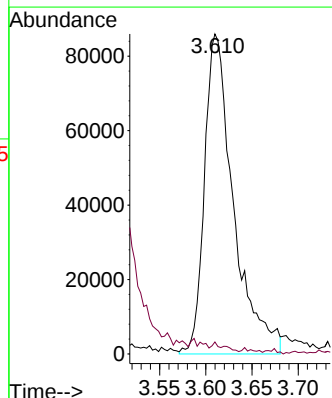
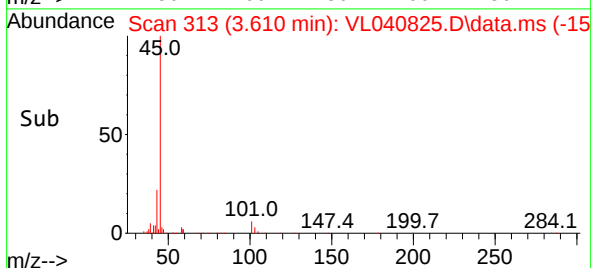
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

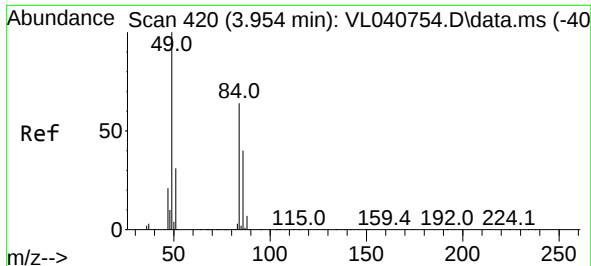


#19
Isopropyl Alcohol
Concen: 2.714 ppbv m
RT: 3.610 min Scan# 313
Delta R.T. 0.003 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37



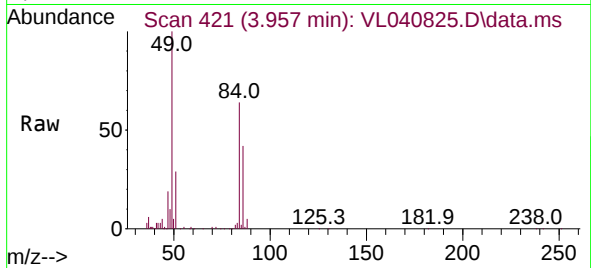
Tgt Ion: 45 Resp: 187928
Ion Ratio Lower Upper
45 100
58 0.0 30.3 45.5





#20
Methylene Chloride
Concen: 2.095 ppbv
RT: 3.957 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

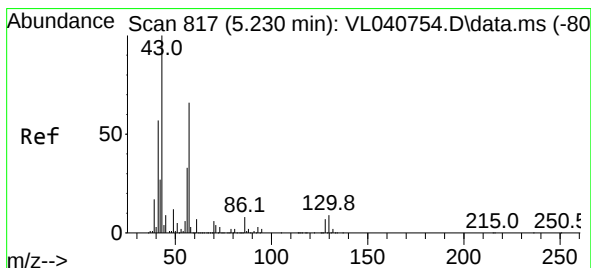
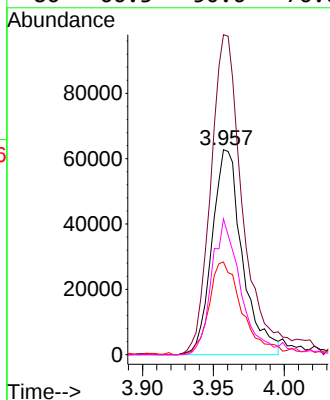
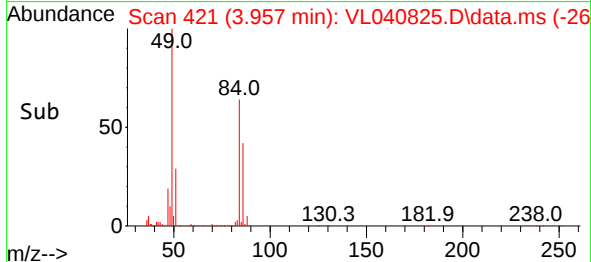
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-3



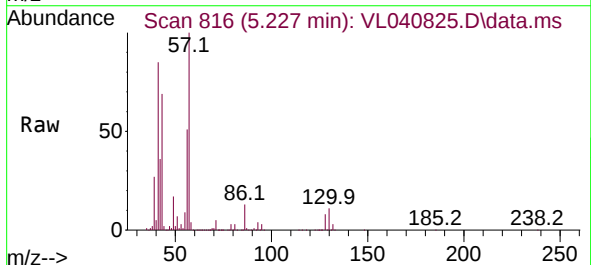
Tgt Ion: 84 Resp: 9387
Ion Ratio Lower Upper
84 100
49 156.1 125.6 188.4
51 45.2 38.9 58.3
86 66.3 50.6 76.0

Manual Integrations
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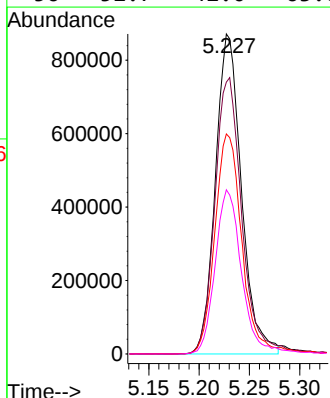
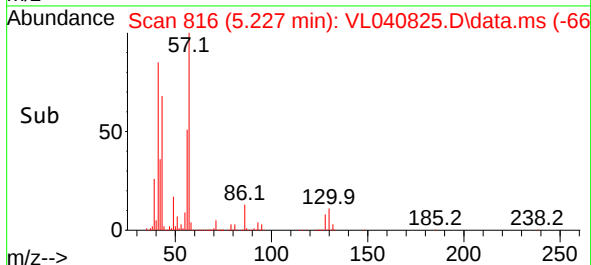
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

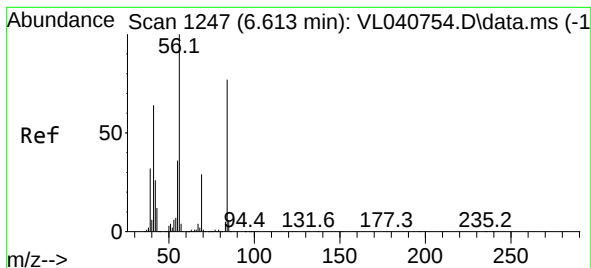


#26
Hexane
Concen: 14.559 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.000 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37



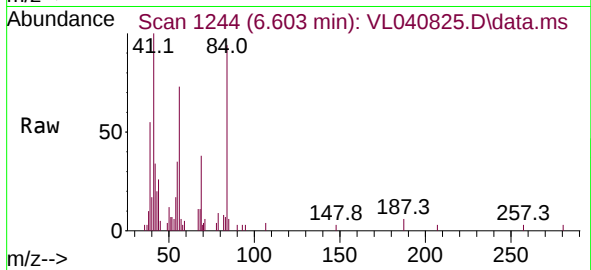
Tgt Ion: 57 Resp: 1568229
Ion Ratio Lower Upper
57 100
41 91.0 71.4 107.2
43 72.5 182.3 273.5#
56 52.7 42.0 63.0





#30
Cyclohexane
Concen: 0.111 ppbv m
RT: 6.603 min Scan# 1244
Delta R.T. -0.006 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

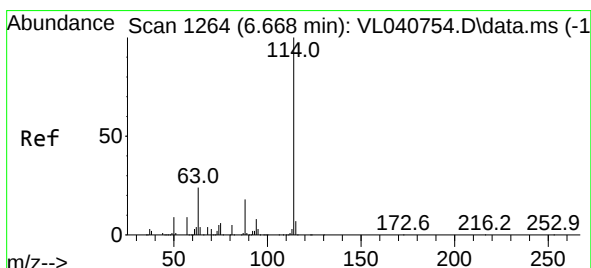
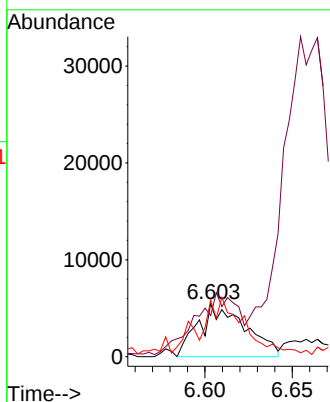
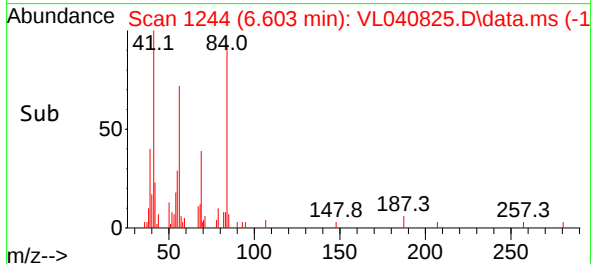
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-3



Tgt Ion: 84 Resp: 10188
Ion Ratio Lower Upper
84 100
56 0.0 110.3 165.5
41 0.0 67.4 101.2

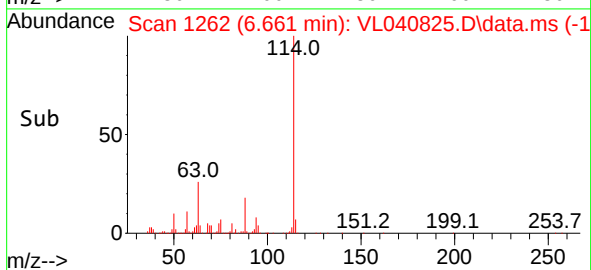
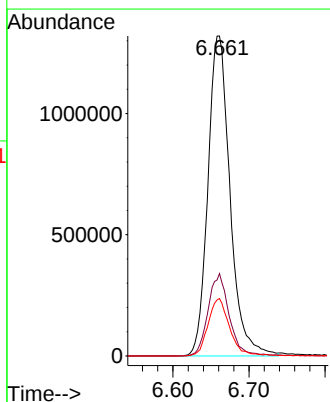
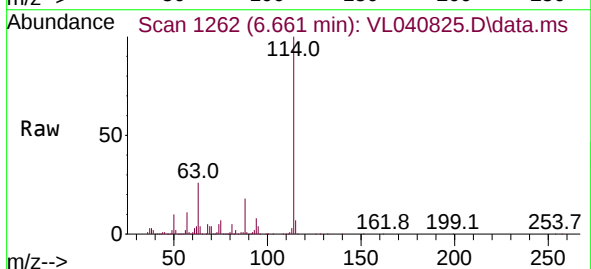
Manual Integrations
APPROVED

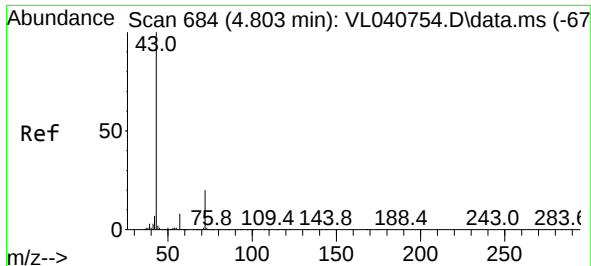
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. -0.003 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

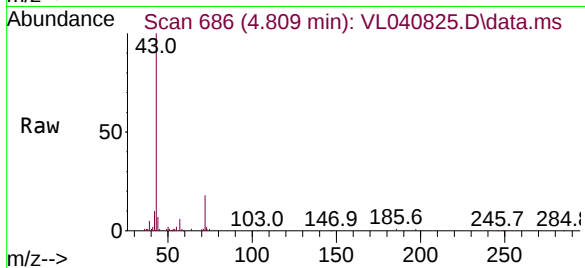
Tgt Ion:114 Resp: 2667854
Ion Ratio Lower Upper
114 100
63 24.8 19.8 29.6
88 17.6 14.2 21.2





#34
2-Butanone
Concen: 0.623 ppbv
RT: 4.809 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

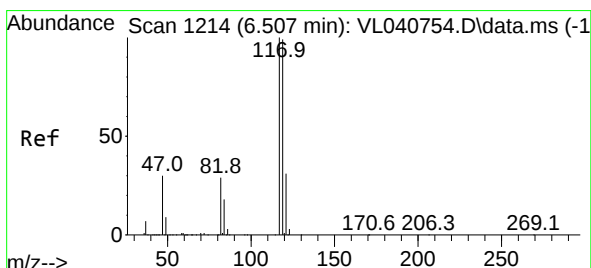
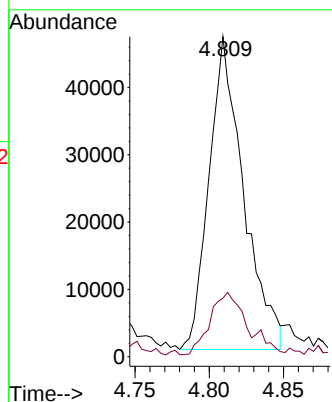
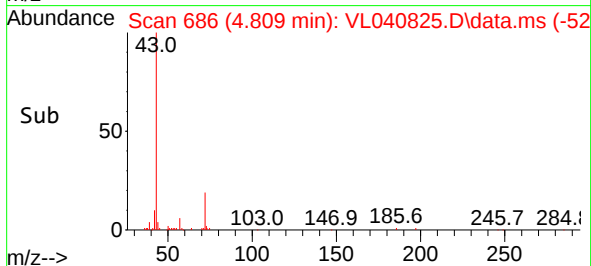
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-3



Tgt Ion: 43 Resp: 75230
Ion Ratio Lower Upper
43 100
72 24.6 16.8 25.2

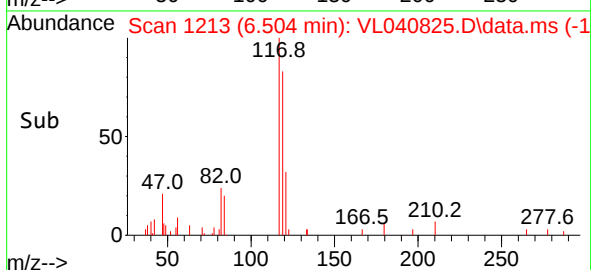
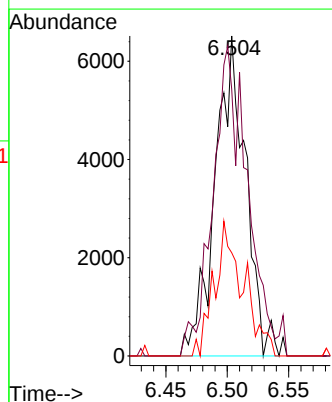
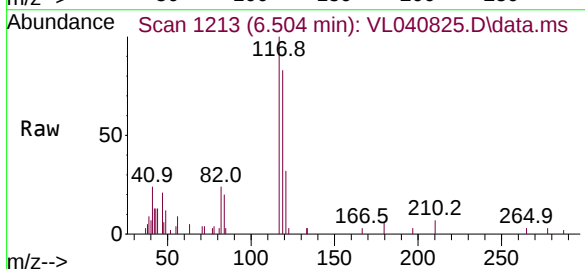
Manual Integrations
APPROVED

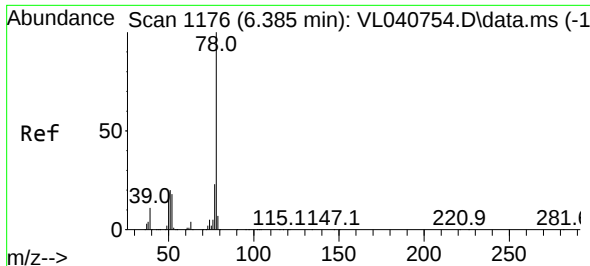
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#35
Carbon Tetrachloride
Concen: 0.076 ppbv m
RT: 6.504 min Scan# 1213
Delta R.T. -0.003 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

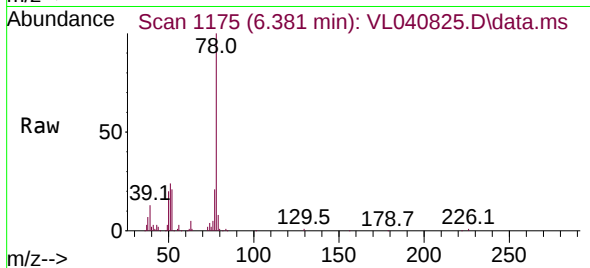
Tgt Ion:117 Resp: 11340
Ion Ratio Lower Upper
117 100
119 83.4 79.4 119.0
121 32.3 25.0 37.4





#36
Benzene
Concen: 0.553 ppbv
RT: 6.381 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

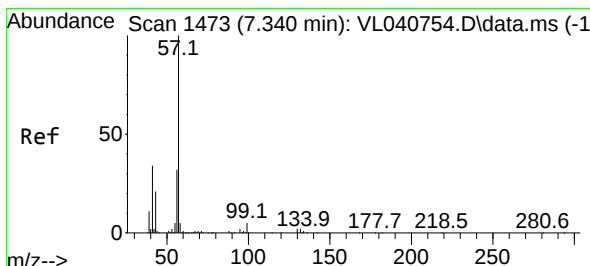
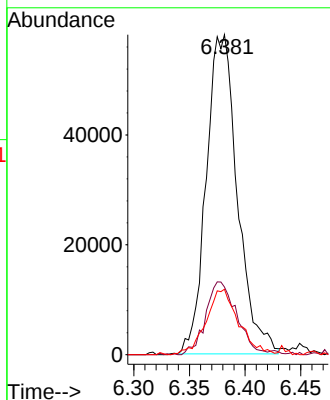
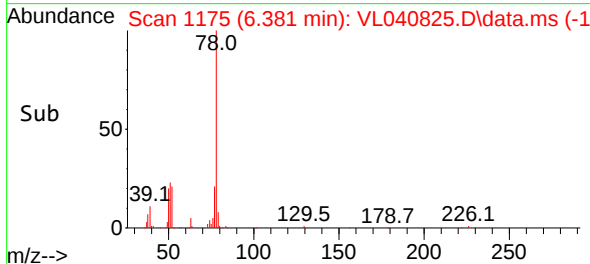
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-3



Tgt Ion: 78 Resp: 113420
Ion Ratio Lower Upper
78 100
77 21.2 18.4 27.6
50 20.1 15.0 22.4

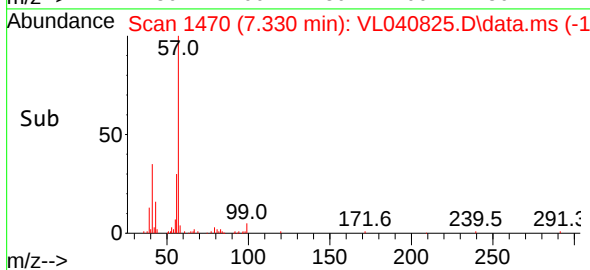
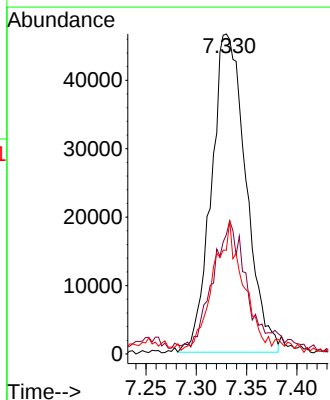
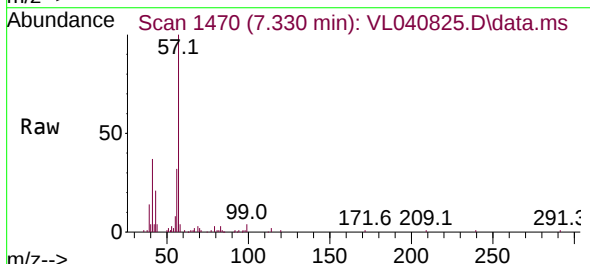
Manual Integrations
APPROVED

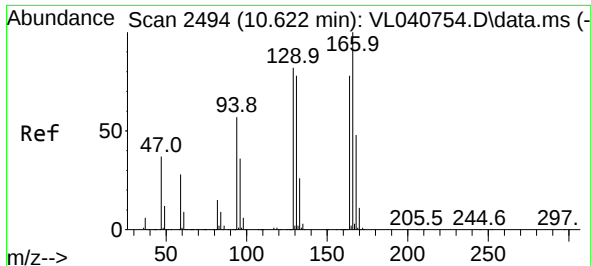
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#44
2,2,4-Trimethylpentane
Concen: 0.319 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. -0.003 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

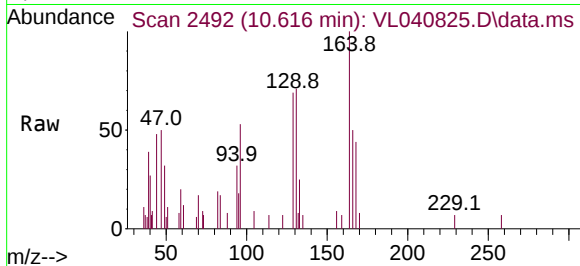
Tgt Ion: 57 Resp: 110867
Ion Ratio Lower Upper
57 100
41 45.7 27.4 41.0#
56 40.7 25.0 37.6#





#52
Tetrachloroethene
Concen: 0.041 ppbv m
RT: 10.616 min Scan# 2494
Delta R.T. 0.003 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

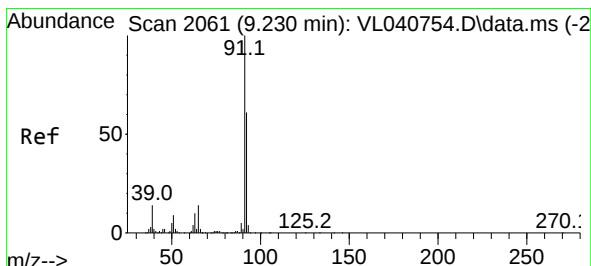
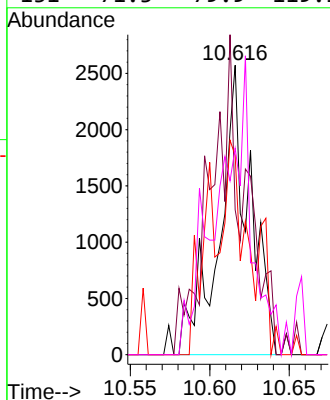
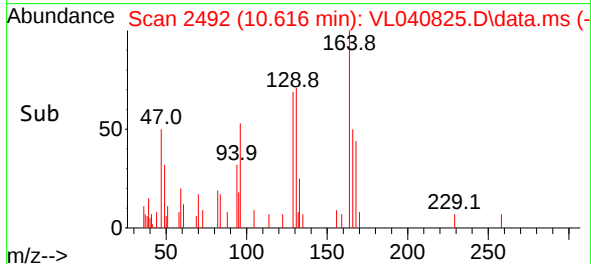
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-3



Tgt Ion:164 Resp: 341
Ion Ratio Lower Upper
164 100
166 50.1 102.4 153.6
129 68.8 84.2 126.4
131 71.3 79.9 119.9

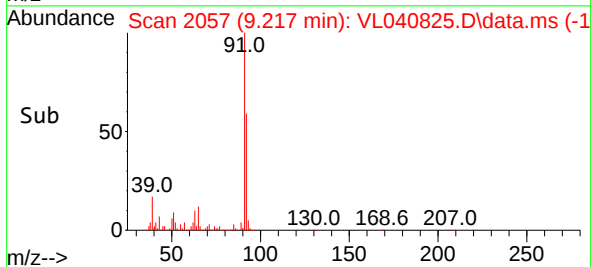
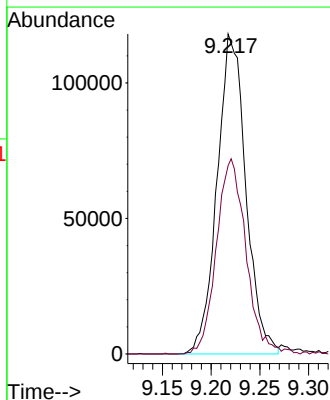
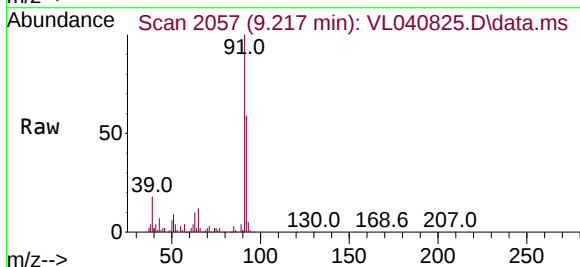
Manual Integrations
APPROVED

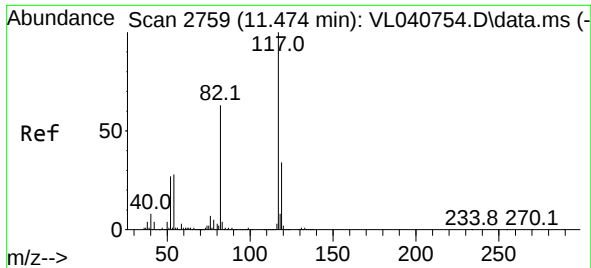
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#53
Toluene
Concen: 0.993 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. -0.003 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

Tgt Ion: 91 Resp: 242424
Ion Ratio Lower Upper
91 100
92 62.9 50.2 75.2





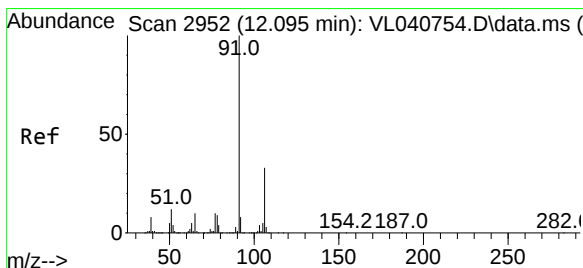
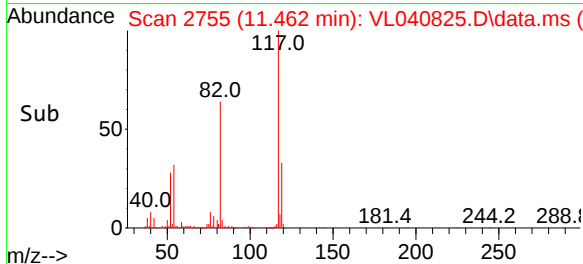
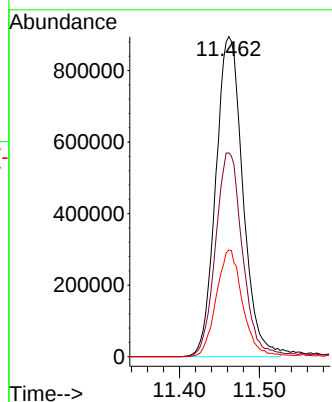
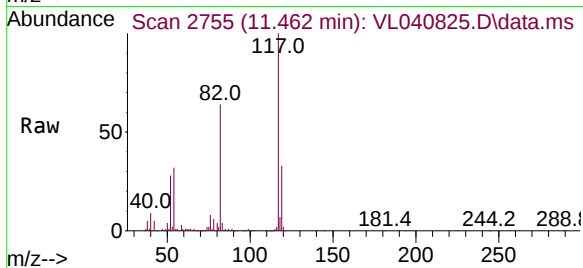
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2102289
Delta R.T. 0.000 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-3

Tgt Ion:117 Resp: 2102289
Ion Ratio Lower Upper
117 100
82 65.3 46.6 70.0
119 32.5 26.0 39.0

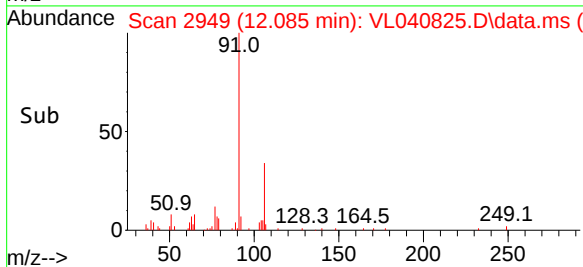
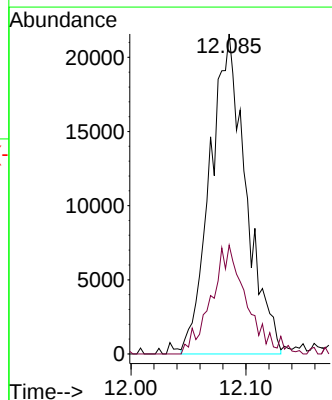
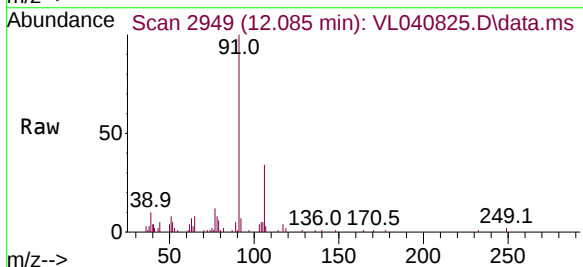
Manual Integrations
APPROVED

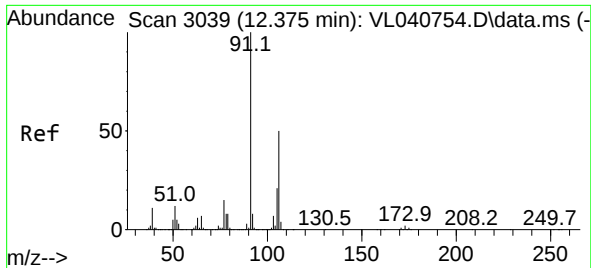
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#58
Ethyl Benzene
Concen: 0.177 ppbv m
RT: 12.085 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

Tgt Ion: 91 Resp: 46767
Ion Ratio Lower Upper
91 100
106 34.0 26.7 40.1





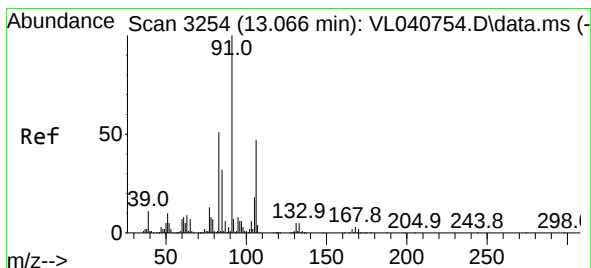
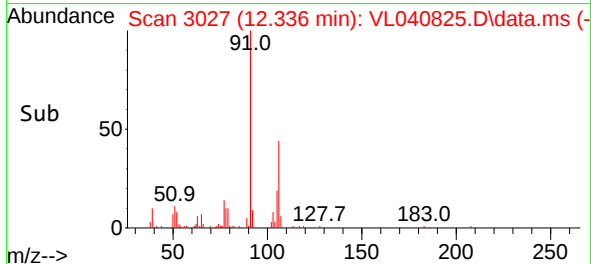
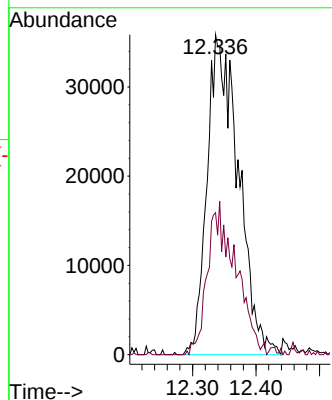
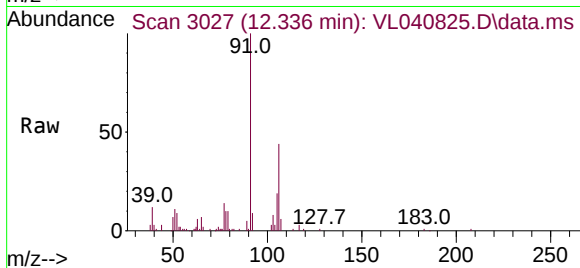
#59
m/p-Xylene
Concen: 0.564 ppbv m
RT: 12.336 min Scan# 3039
Delta R.T. -0.032 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-3

Tgt Ion: 91 Resp: 122798
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5

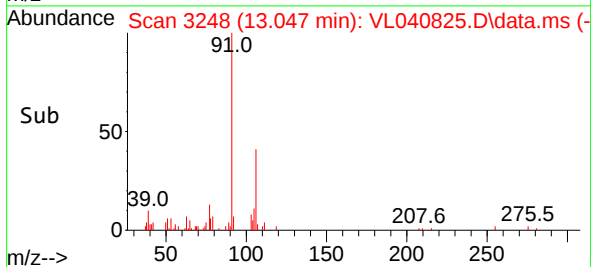
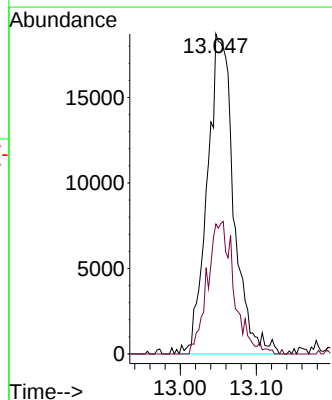
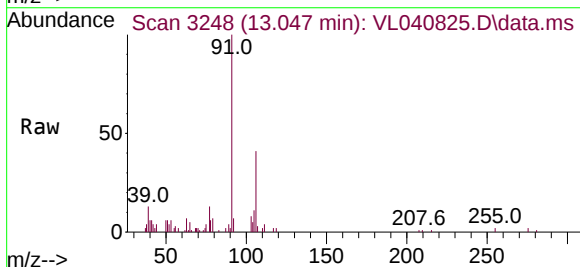
Manual Integrations
APPROVED

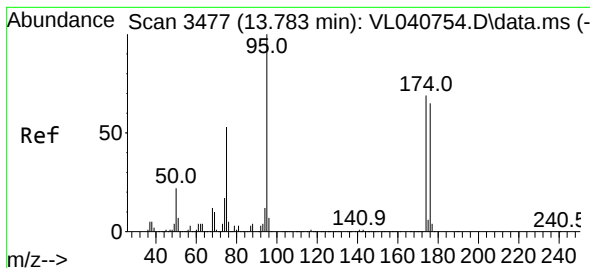
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#60
o-Xylene
Concen: 0.218 ppbv m
RT: 13.047 min Scan# 3248
Delta R.T. -0.006 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

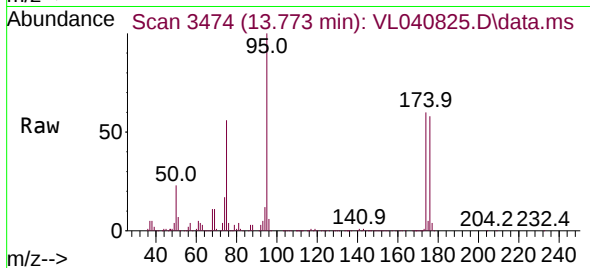
Tgt Ion: 91 Resp: 45344
Ion Ratio Lower Upper
91 100
106 41.8 23.5 70.5





#68
1-Bromo-4-Fluorobenzene
Concen: 9.780 ppbv
RT: 13.773 min Scan# 3477
Delta R.T. 0.003 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

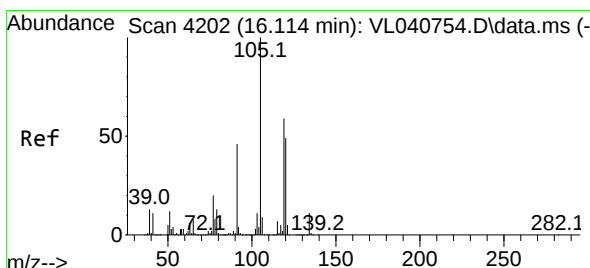
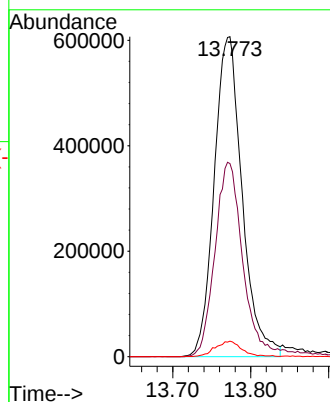
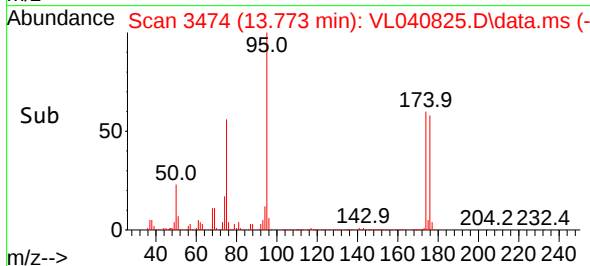
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-3



Tgt Ion: 95 Resp: 151285
Ion Ratio Lower Upper
95 100
174 62.6 54.7 82.1
175 4.8 4.2 6.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.244 ppbv
RT: 16.108 min Scan# 4200
Delta R.T. 0.007 min
Lab File: VL040825.D
Acq: 9 Nov 2023 00:37

Tgt Ion:105 Resp: 57021
Ion Ratio Lower Upper
105 100
120 45.7 39.4 59.2
91 11.0 38.6 58.0#
77 15.0 16.6 25.0#

