

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040739.D
 Acq On : 4 Oct 2023 13:53
 Operator : SY/MD
 Sample : 04716-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/05/2023
 Supervised By : Mahesh Dadoda 10/05/2023

Quant Time: Oct 05 04:26:55 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

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

QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1069315	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2968645	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.449	117	2607468	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 1974991 9.804 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.000%

Target Compounds

						Qvalue
9) Propene	2.700	41	88532	1.764	ppbv	93
10) Heptane	7.571	43	165184	1.461	ppbv	100
13) Ethanol	3.246	45	38485m	2.591	ppbv	
15) Acetone	3.468	43	1322148	9.374	ppbv	99
20) Methylene Chloride	3.931	84	982223	12.938	ppbv	92
26) Hexane	5.205	57	498242	4.632	ppbv #	38
27) Carbon Disulfide	4.124	76	89033	0.594	ppbv #	83
29) Chloroform	5.262	83	48357	0.260	ppbv	92
30) Cyclohexane	6.590	84	892692	11.021	ppbv	98
32) 1,1,1-Trichloroethane	5.989	97	168360	0.887	ppbv	99
34) 2-Butanone	4.793	43	120425	0.807	ppbv	95
35) Carbon Tetrachloride	6.487	117	8779m	0.043	ppbv	
36) Benzene	6.362	78	112175	0.510	ppbv	96
38) Trichloroethene	7.282	130	14333m	0.171	ppbv	
52) Tetrachloroethene	10.600	164	46075m	0.643	ppbv	
53) Toluene	9.208	91	691872	2.981	ppbv	99
58) Ethyl Benzene	12.076	91	161265	0.542	ppbv	100
59) m/p-Xylene	12.323	91	518068m	1.856	ppbv	
60) o-Xylene	13.040	91	215459m	0.809	ppbv	
62) Isopropylbenzene	14.008	105	90039	0.224	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	77950m	0.290	ppbv	

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

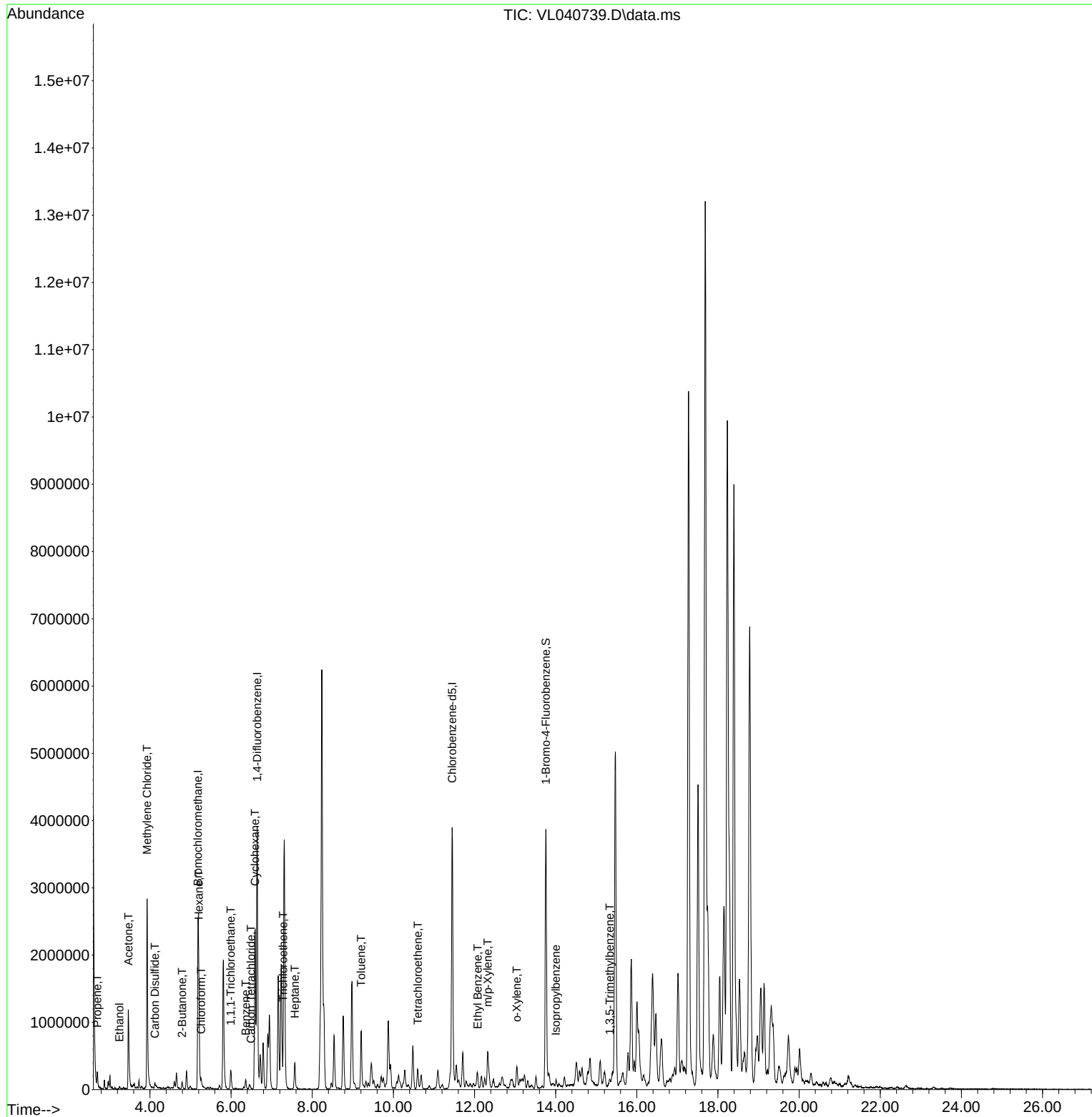
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
Data File : VL040739.D
Acq On : 4 Oct 2023 13:53
Operator : SY/MD
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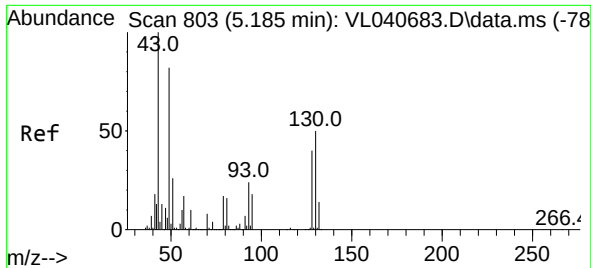
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Oct 05 04:26:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

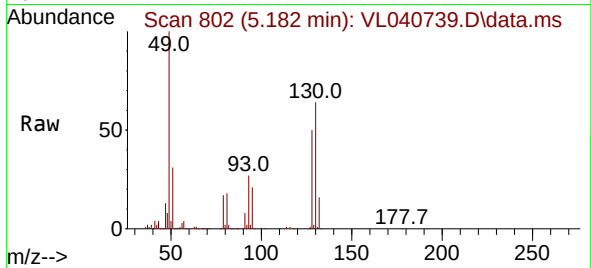
Reviewed By : Semsettin Yesilyurt 10/05/2023
Supervised By : Mahesh Dadoda 10/05/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

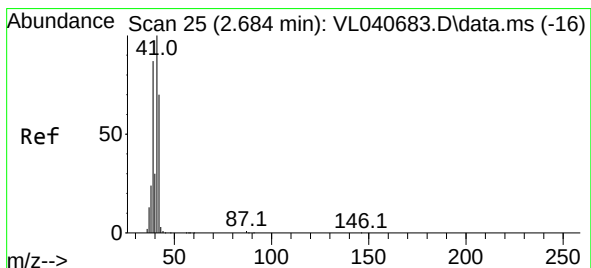
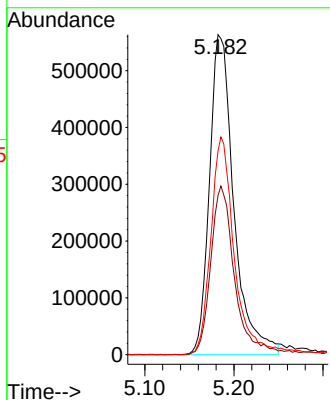
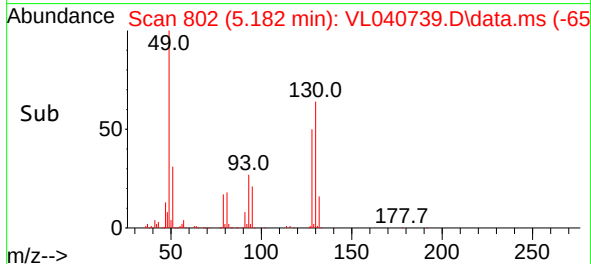
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 106931
Ion Ratio Lower Upper
49 100
128 51.8 25.4 76.0
130 68.7 32.3 96.8

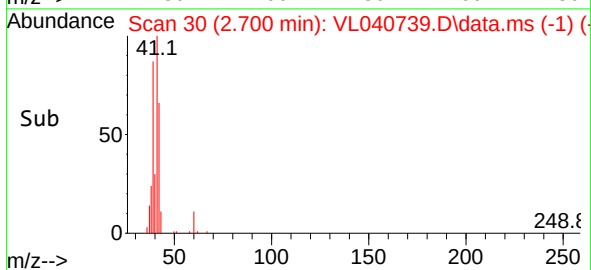
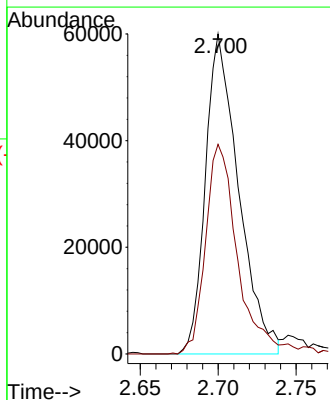
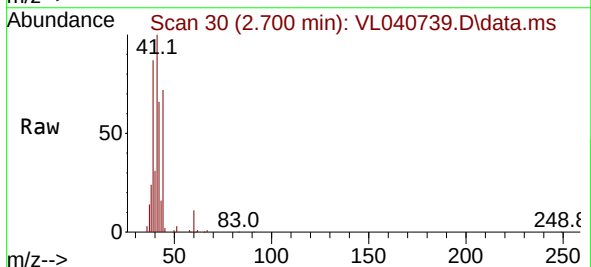
Manual Integrations
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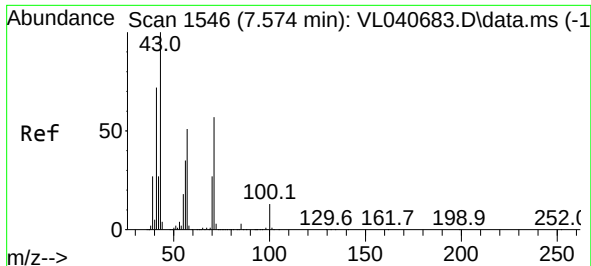
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#9
Propene
Concen: 1.764 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

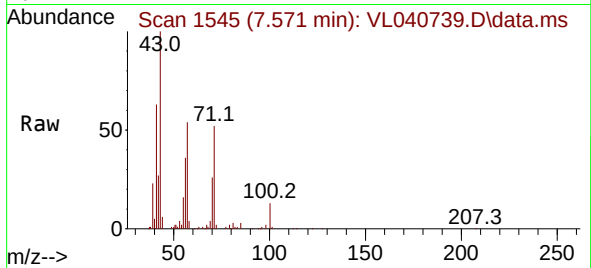
Tgt Ion: 41 Resp: 88532
Ion Ratio Lower Upper
41 100
42 65.1 56.7 85.1





#10
Heptane
Concen: 1.461 ppbv
RT: 7.571 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

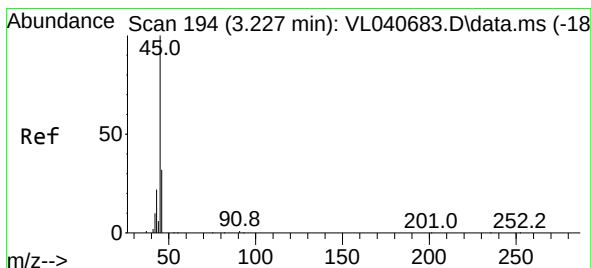
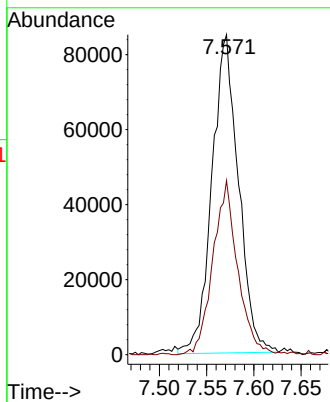
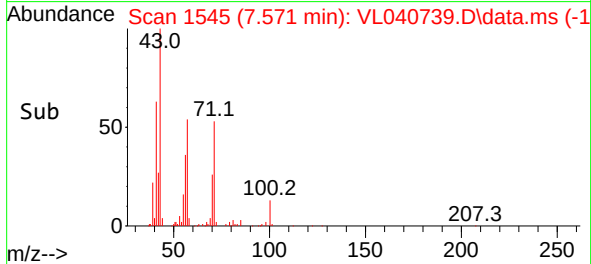
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 165184
Ion Ratio Lower Upper
43 100
57 52.0 41.8 62.6

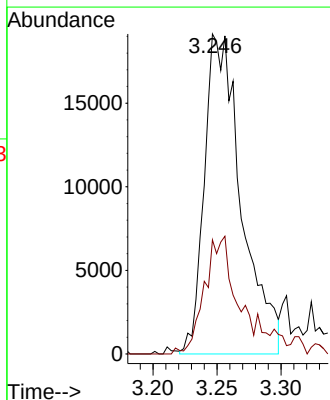
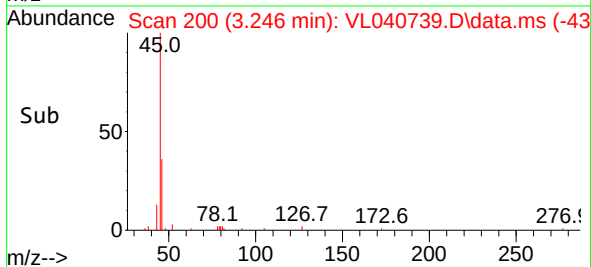
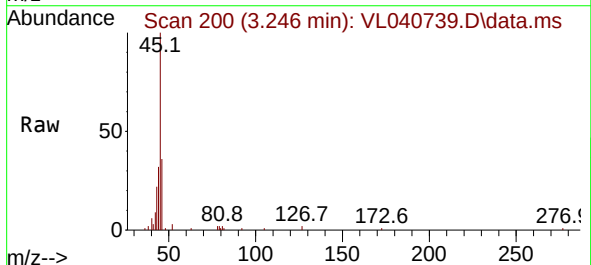
Manual Integrations
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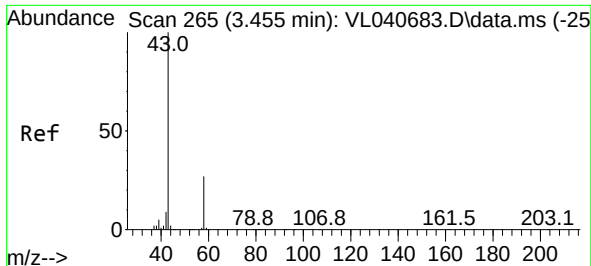
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#13
Ethanol
Concen: 2.591 ppbv m
RT: 3.246 min Scan# 200
Delta R.T. 0.003 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

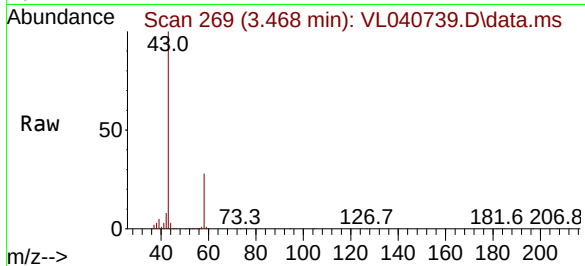
Tgt Ion: 45 Resp: 38485
Ion Ratio Lower Upper
45 100
46 0.0 15.2 61.0#





#15
Acetone
Concen: 9.374 ppbv
RT: 3.468 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

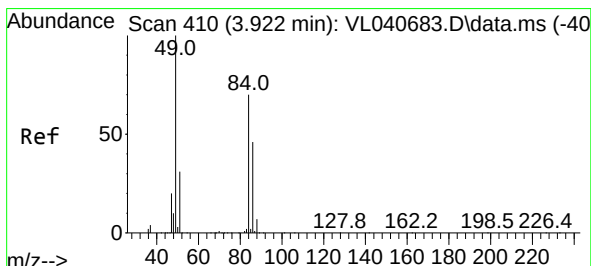
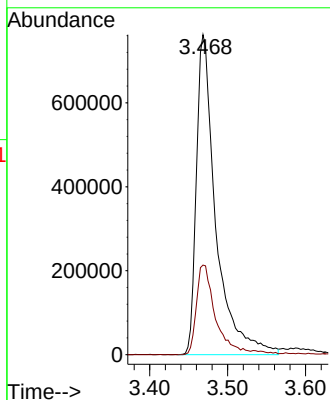
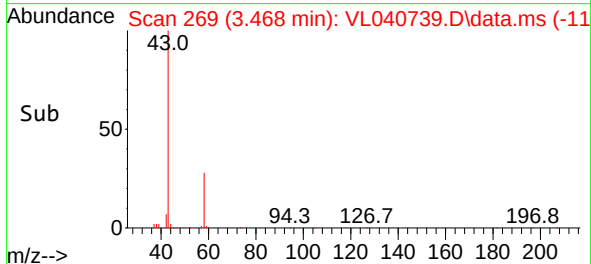
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 132214
Ion Ratio Lower Upper
43 100
58 29.0 22.6 34.0

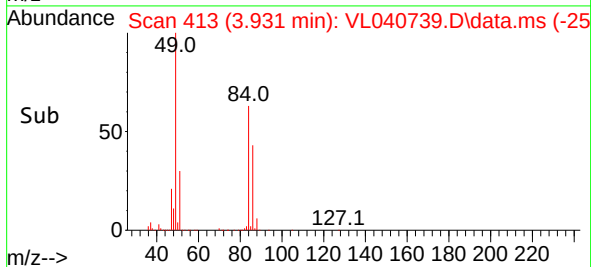
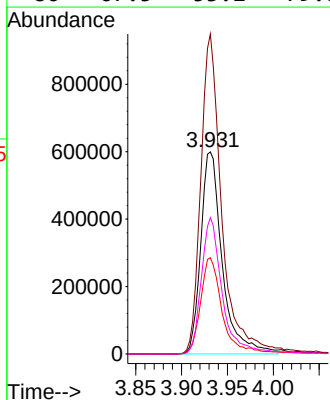
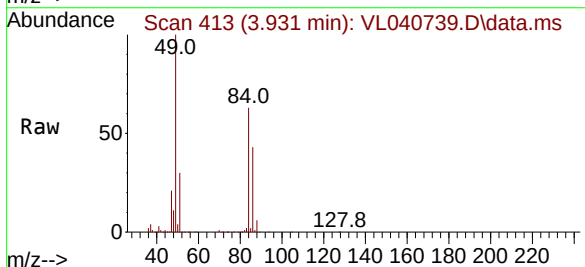
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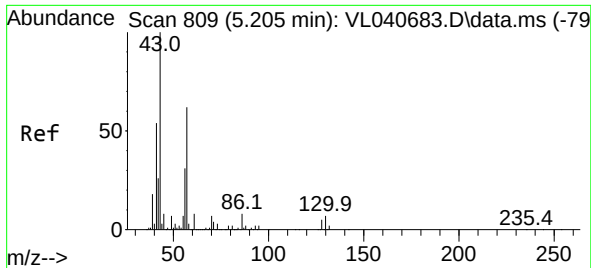
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#20
Methylene Chloride
Concen: 12.938 ppbv
RT: 3.931 min Scan# 413
Delta R.T. -0.006 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

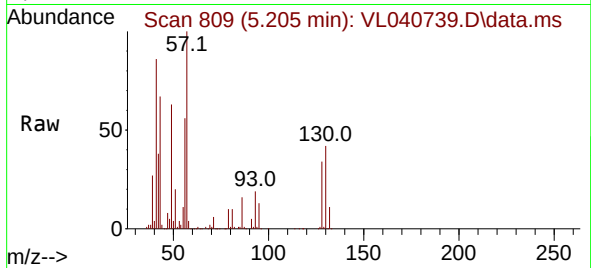
Tgt Ion: 84 Resp: 982223
Ion Ratio Lower Upper
84 100
49 158.4 114.4 171.6
51 47.5 35.5 53.3
86 67.5 53.2 79.8





#26
Hexane
Concen: 4.632 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.016 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

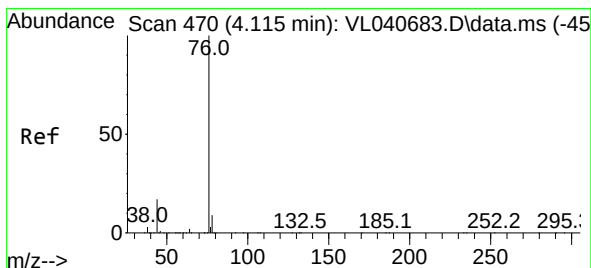
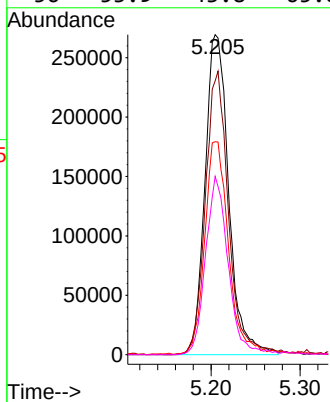
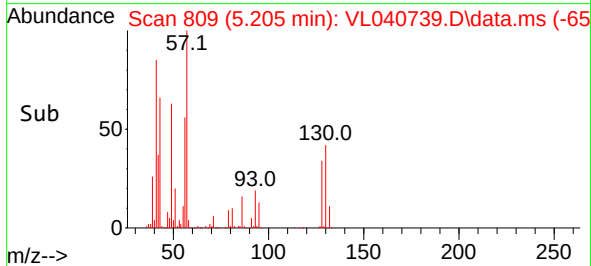
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 49824
Ion Ratio Lower Upper
57 100
41 87.5 75.2 112.8
43 67.8 185.6 278.4
56 53.9 43.8 65.8

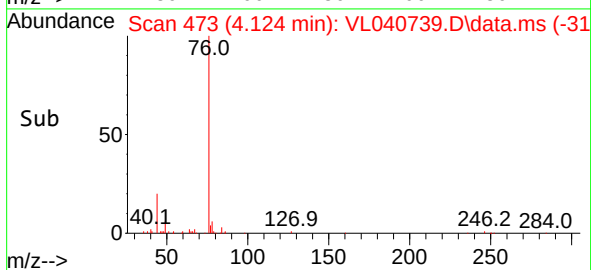
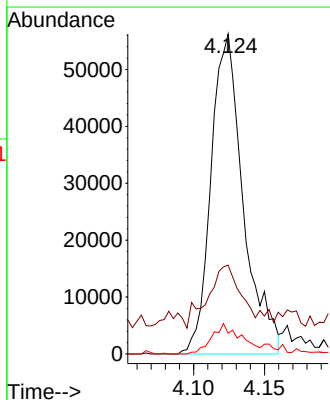
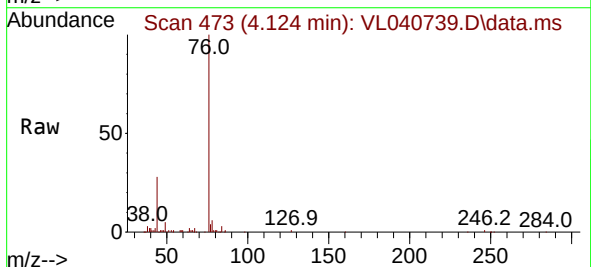
Manual Integrations
APPROVED

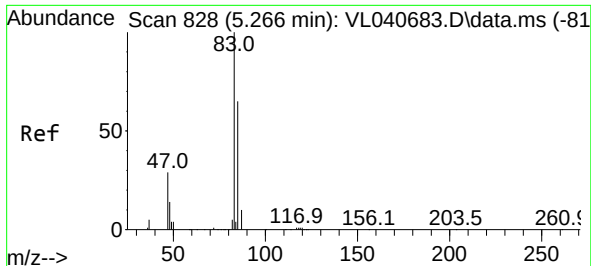
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#27
Carbon Disulfide
Concen: 0.594 ppbv
RT: 4.124 min Scan# 473
Delta R.T. -0.006 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

Tgt Ion: 76 Resp: 89033
Ion Ratio Lower Upper
76 100
44 28.6 14.5 21.7#
78 10.8 7.7 11.5





#29

Chloroform

Concen: 0.260 ppbv

RT: 5.262 min Scan# 81

Delta R.T. -0.019 min

Lab File: VL040739.D

Acq: 4 Oct 2023 13:53

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 83 Resp: 4835

Ion Ratio Lower Upper

83 100

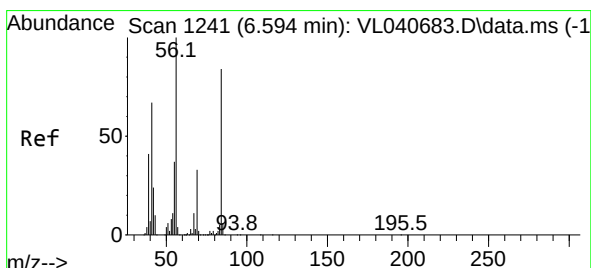
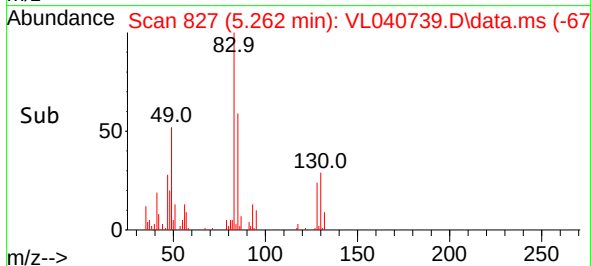
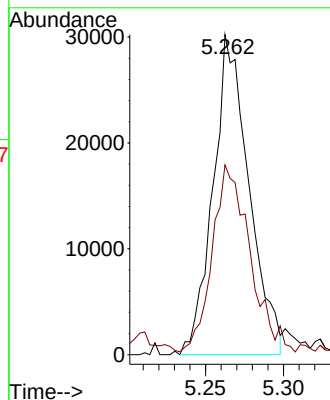
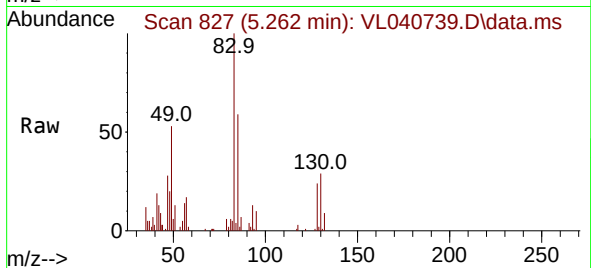
85 58.4 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#30

Cyclohexane

Concen: 11.021 ppbv

RT: 6.590 min Scan# 1240

Delta R.T. -0.019 min

Lab File: VL040739.D

Acq: 4 Oct 2023 13:53

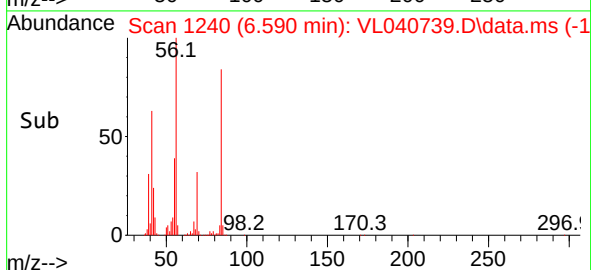
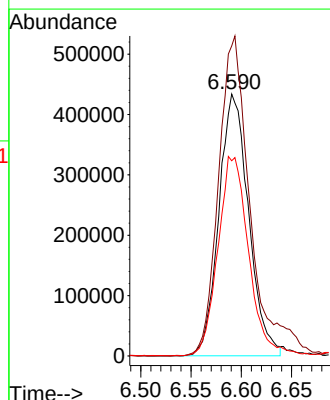
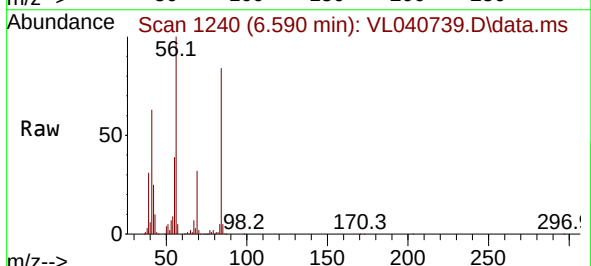
Tgt Ion: 84 Resp: 892692

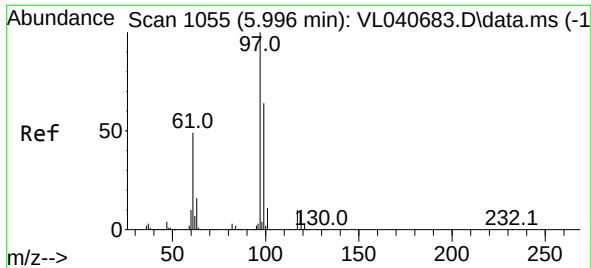
Ion Ratio Lower Upper

84 100

56 130.8 103.2 154.8

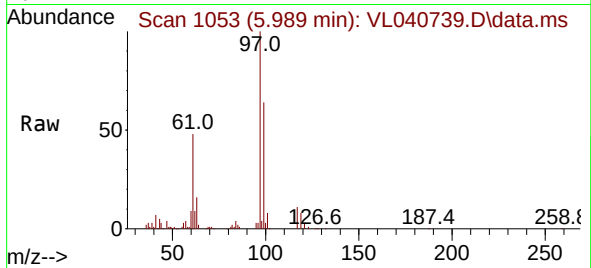
41 78.9 65.5 98.3





#32
 1,1,1-Trichloroethane
 Concen: 0.887 ppbv
 RT: 5.989 min Scan# 1053
 Delta R.T. -0.023 min
 Lab File: VL040739.D
 Acq: 4 Oct 2023 13:53

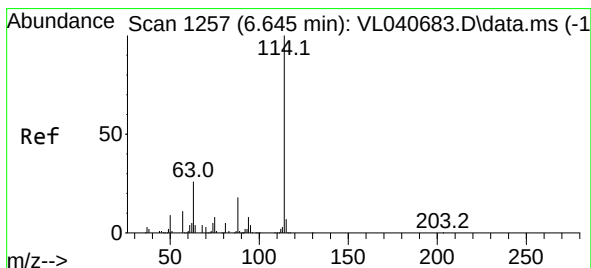
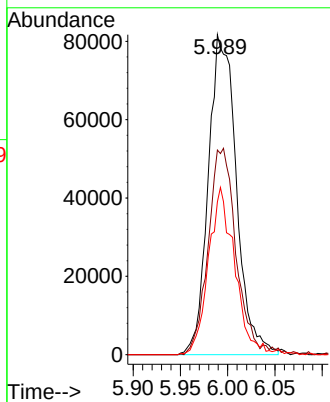
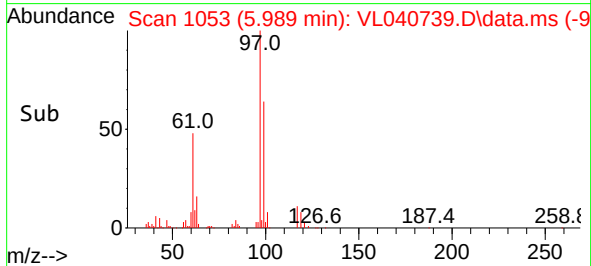
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion: 97 Resp: 168360
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.4 78.6
 61 49.5 40.2 60.4

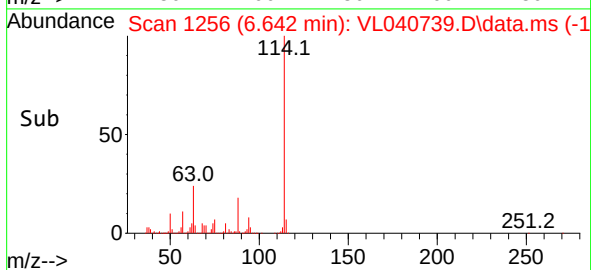
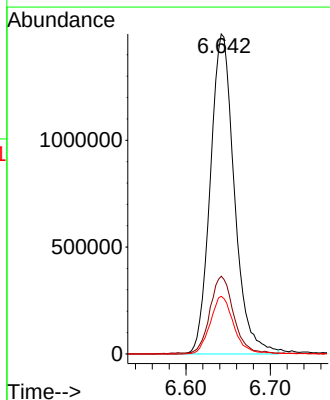
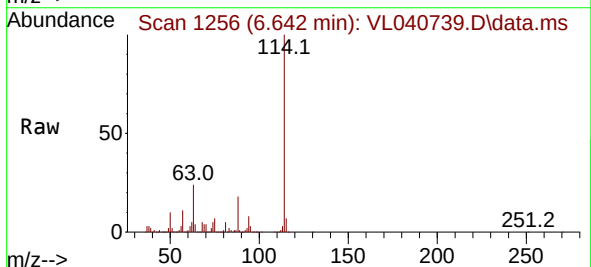
Manual Integrations
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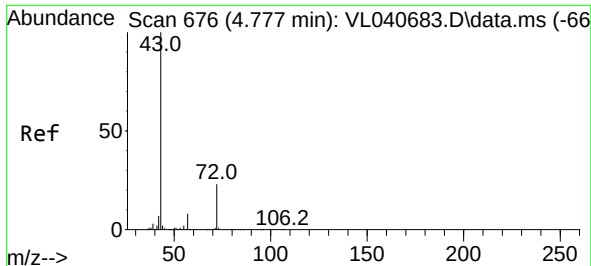
Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.642 min Scan# 1256
 Delta R.T. -0.019 min
 Lab File: VL040739.D
 Acq: 4 Oct 2023 13:53

Tgt Ion:114 Resp: 2968645
 Ion Ratio Lower Upper
 114 100
 63 24.7 21.1 31.7
 88 17.8 14.5 21.7





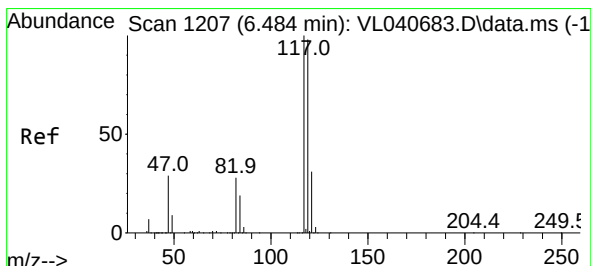
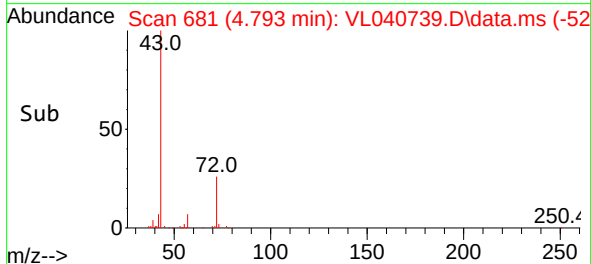
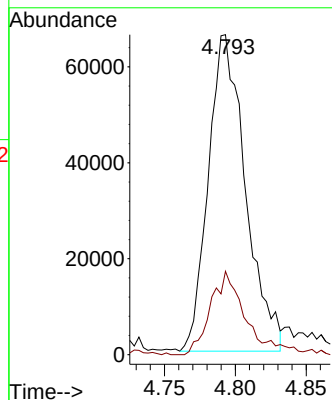
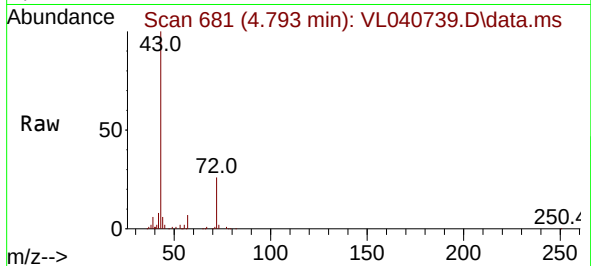
#34
2-Butanone
Concen: 0.807 ppbv
RT: 4.793 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 120429
Ion Ratio Lower Upper
43 100
72 25.5 18.6 27.8

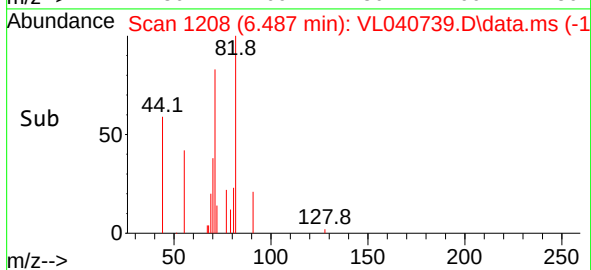
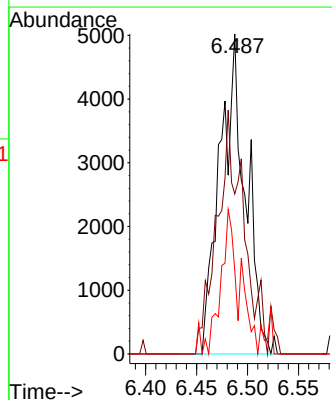
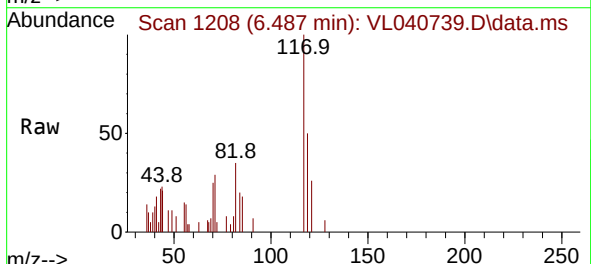
Manual Integrations
APPROVED

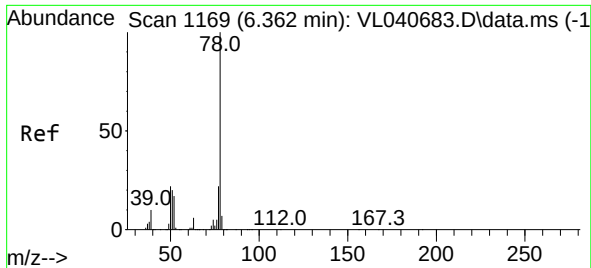
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#35
Carbon Tetrachloride
Concen: 0.043 ppbv m
RT: 6.487 min Scan# 1208
Delta R.T. -0.016 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

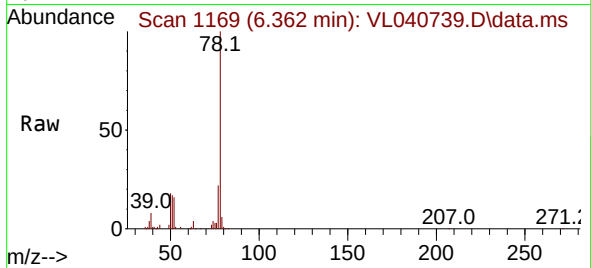
Tgt Ion:117 Resp: 8779
Ion Ratio Lower Upper
117 100
119 50.0 78.6 117.8#
121 26.1 24.7 37.1





#36
Benzene
Concen: 0.510 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.019 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

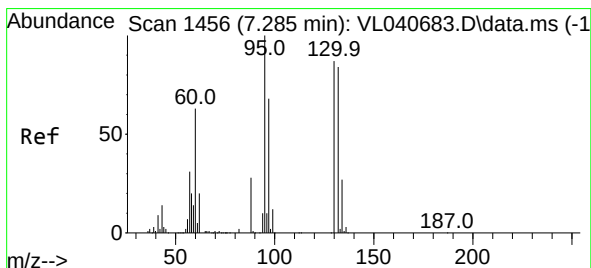
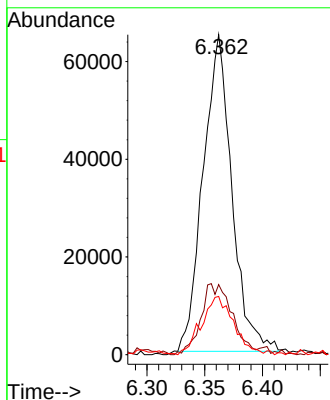
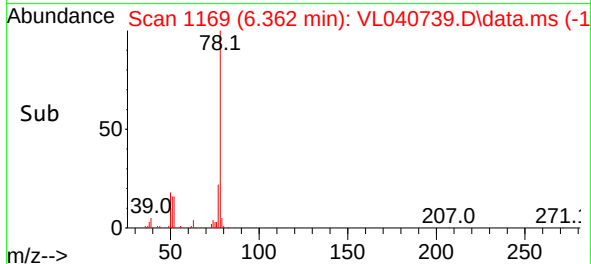
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 78 Resp: 11217
Ion Ratio Lower Upper
78 100
77 21.5 17.9 26.9
50 18.4 17.3 25.9

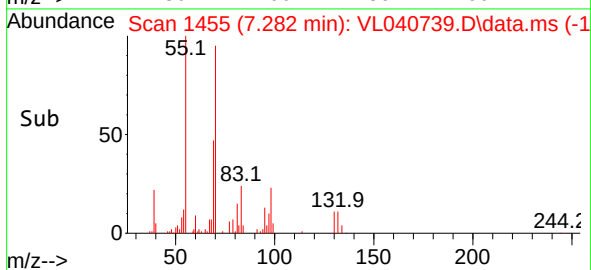
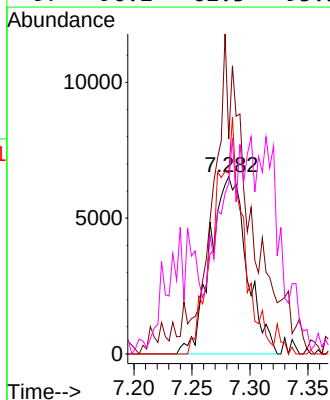
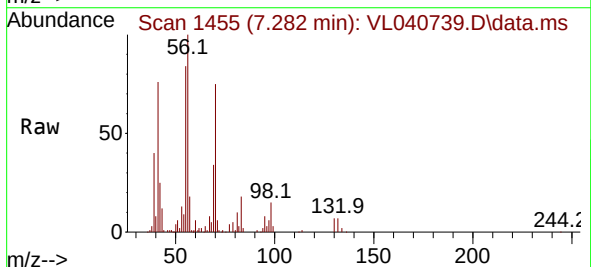
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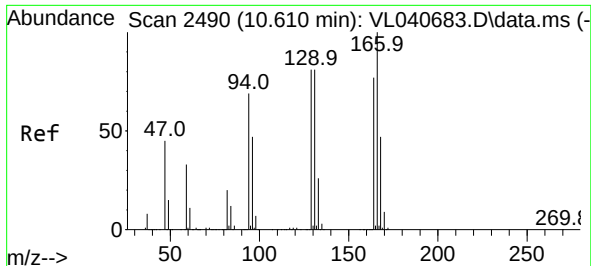
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#38
Trichloroethene
Concen: 0.171 ppbv m
RT: 7.282 min Scan# 1455
Delta R.T. -0.019 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

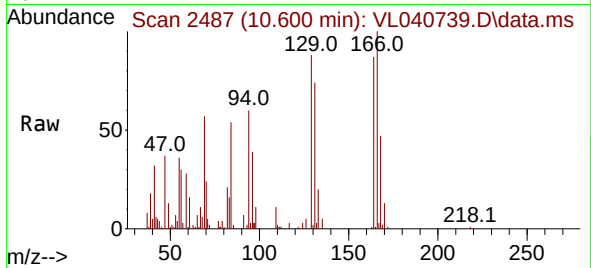
Tgt Ion:130 Resp: 14333
Ion Ratio Lower Upper
130 100
95 121.2 91.9 137.9
132 101.9 77.3 115.9
97 96.2 62.3 93.5#





#52
Tetrachloroethene
Concen: 0.643 ppbv m
RT: 10.600 min Scan# 2490
Delta R.T. -0.026 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

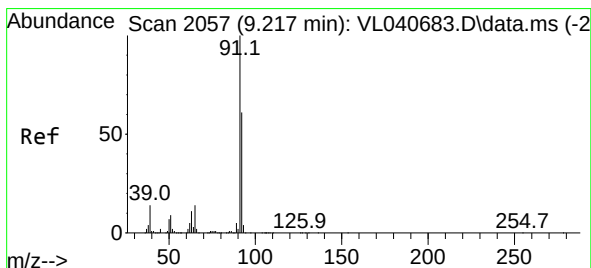
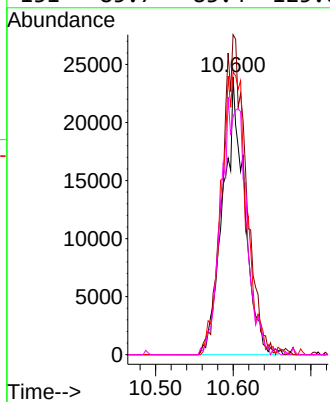
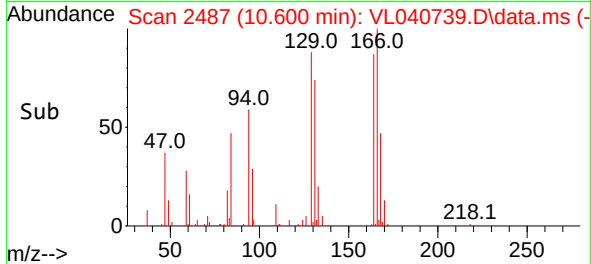
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp: 46075
Ion Ratio Lower Upper
164 100
166 115.2 103.4 155.2
129 101.7 83.5 125.3
131 85.7 83.4 125.0

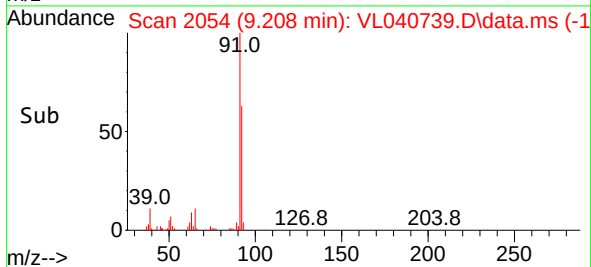
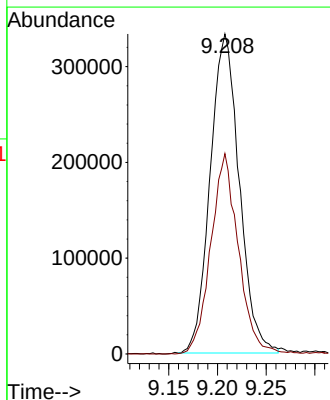
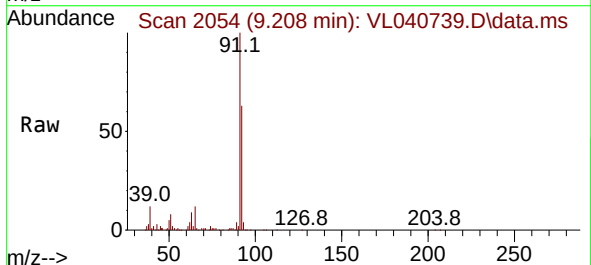
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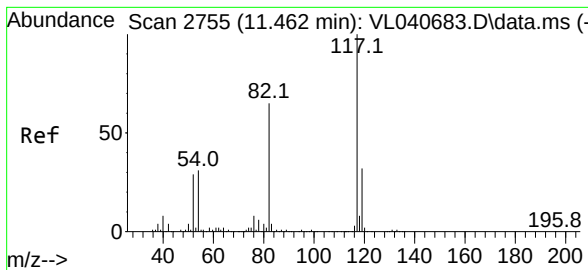
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#53
Toluene
Concen: 2.981 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. -0.022 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

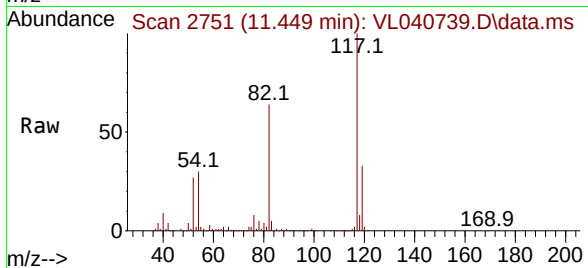
Tgt Ion: 91 Resp: 691872
Ion Ratio Lower Upper
91 100
92 59.7 48.5 72.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

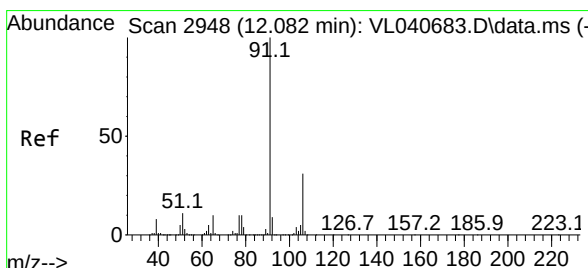
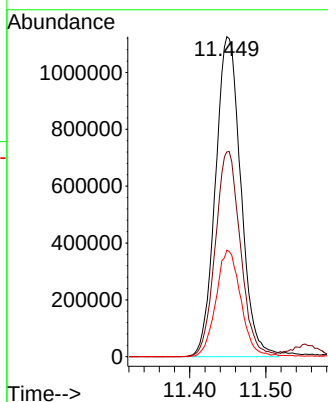
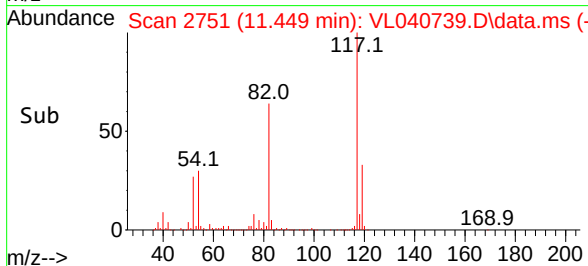
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 117 Resp: 260746
Ion Ratio Lower Upper
117 100
82 63.9 51.4 77.0
119 33.0 24.7 37.1

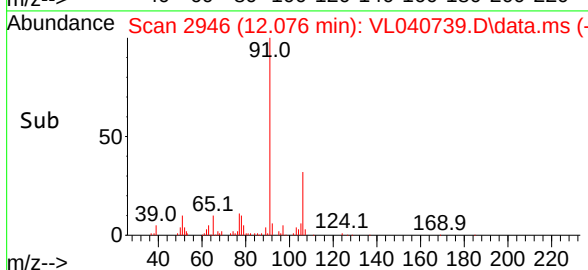
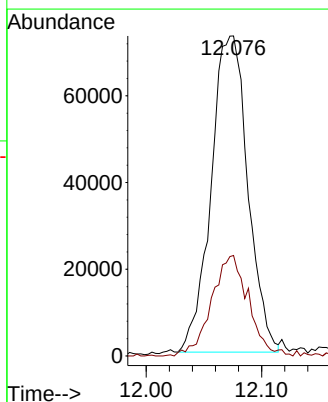
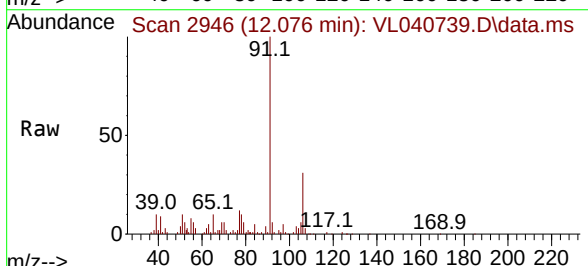
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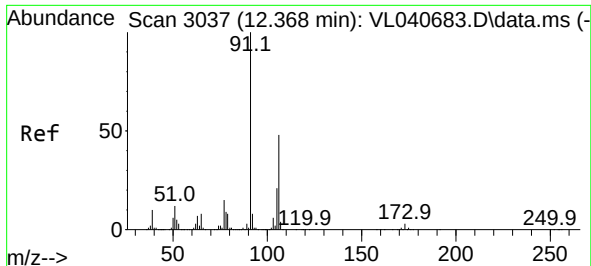
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#58
Ethyl Benzene
Concen: 0.542 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. -0.026 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

Tgt Ion: 91 Resp: 161265
Ion Ratio Lower Upper
91 100
106 30.7 24.7 37.1





#59

m/p-Xylene

Concen: 1.856 ppbv m

RT: 12.323 min Scan# 3037

Delta R.T. -0.058 min

Lab File: VL040739.D

Acq: 4 Oct 2023 13:53

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 51806

Ion Ratio Lower Upper

91 100

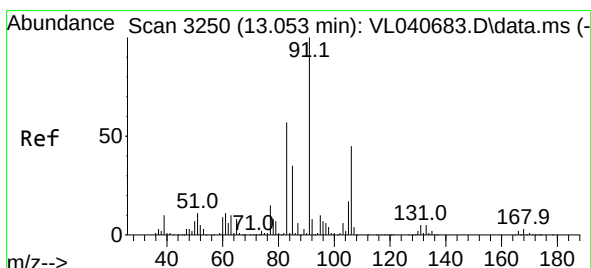
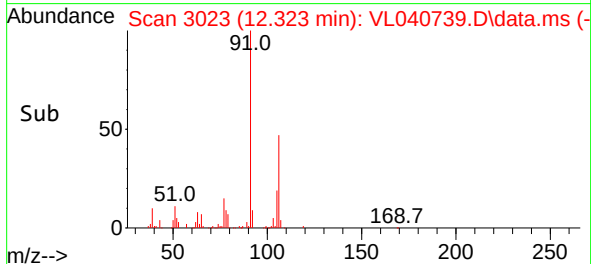
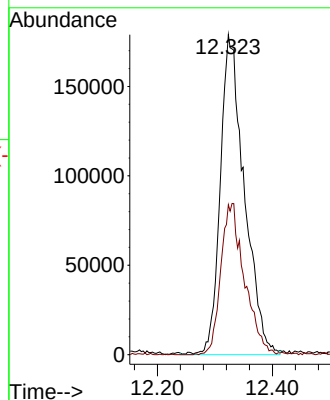
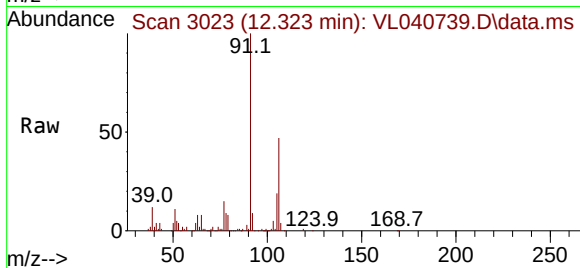
106 47.0 34.8 52.2

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Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#60

o-Xylene

Concen: 0.809 ppbv m

RT: 13.040 min Scan# 3246

Delta R.T. -0.029 min

Lab File: VL040739.D

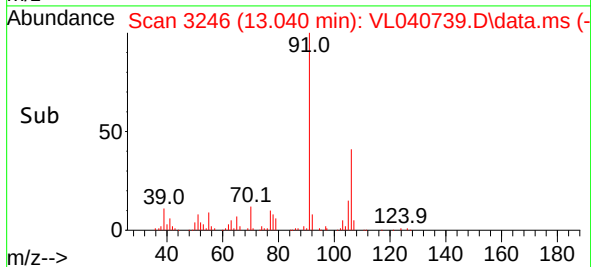
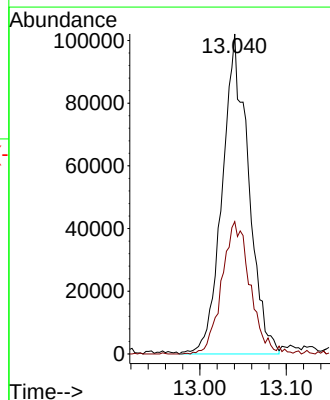
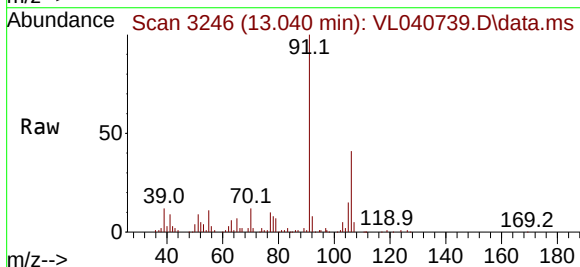
Acq: 4 Oct 2023 13:53

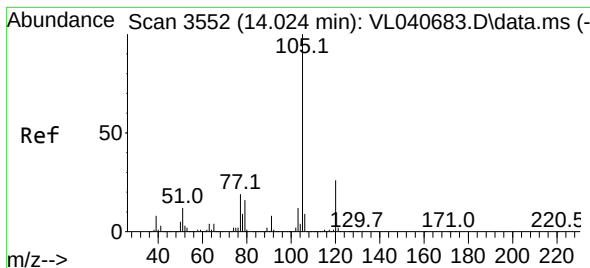
Tgt Ion: 91 Resp: 215459

Ion Ratio Lower Upper

91 100

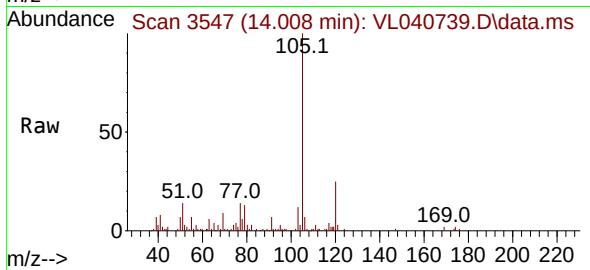
106 44.6 22.3 66.9





#62
Isopropylbenzene
Concen: 0.224 ppbv
RT: 14.008 min Scan# 3547
Delta R.T. -0.029 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53

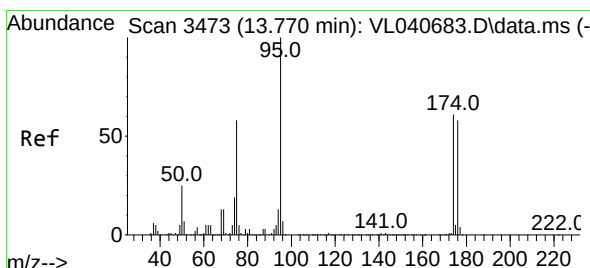
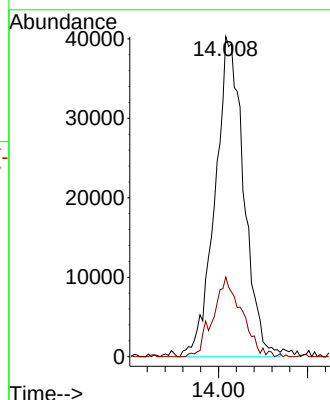
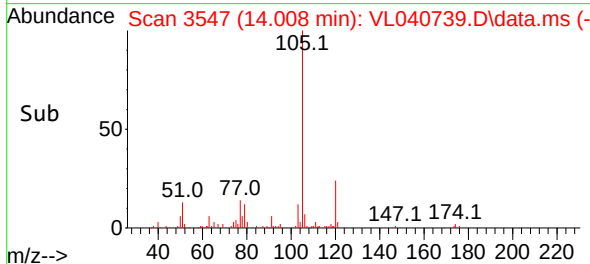
Instrument :
MSVOA_L
ClientSampleId :
SV1



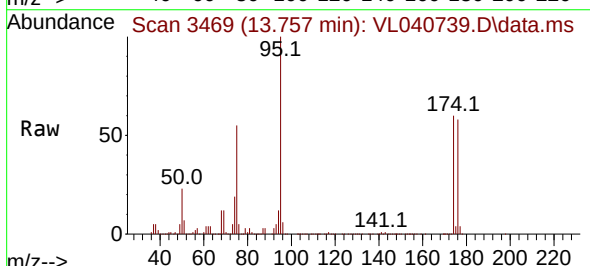
Tgt Ion:105 Resp: 90039
Ion Ratio Lower Upper
105 100
120 25.0 20.2 30.4

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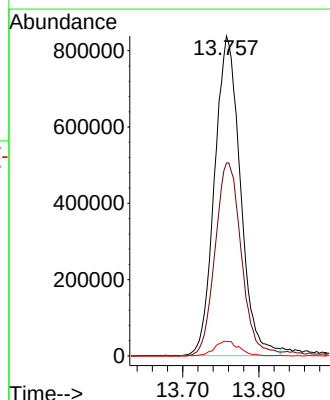
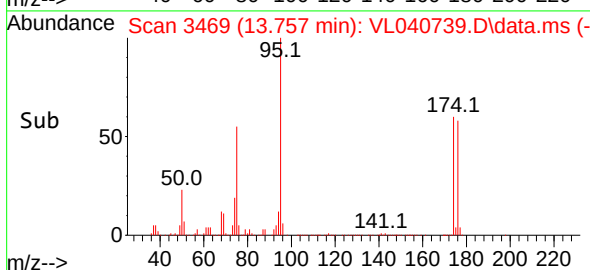
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

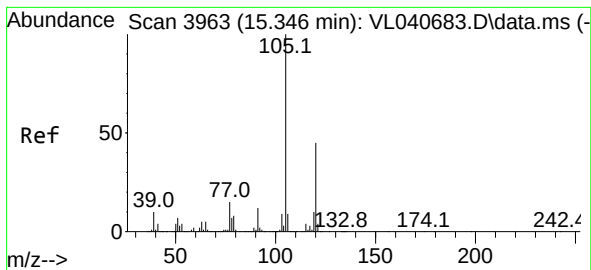


#68
1-Bromo-4-Fluorobenzene
Concen: 9.804 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.029 min
Lab File: VL040739.D
Acq: 4 Oct 2023 13:53



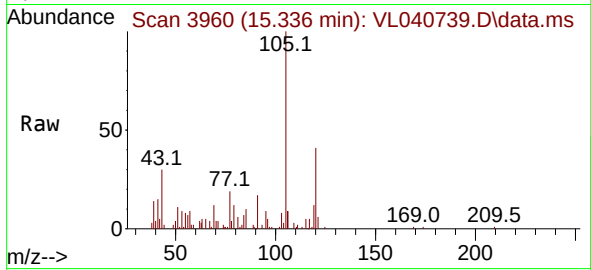
Tgt Ion: 95 Resp: 1974991
Ion Ratio Lower Upper
95 100
174 63.3 48.9 73.3
175 4.7 3.5 5.3





#73
 1,3,5-Trimethylbenzene
 Concen: 0.290 ppbv m
 RT: 15.336 min Scan# 3960
 Delta R.T. -0.026 min
 Lab File: VL040739.D
 Acq: 4 Oct 2023 13:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion:105 Resp: 77950
 Ion Ratio Lower Upper
 105 100
 120 41.5 36.1 54.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023

