

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
 Data File : VL040799.D
 Acq On : 25 Oct 2023 14:07
 Operator : SY/MD
 Sample : 05024-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 03:51:58 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 Oct 12 00:21:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	875774	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2379217	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2137362	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1656526	10.533	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.745	85	82857	0.537	ppbv	99
4) Chloromethane	2.825	50	28714	0.565	ppbv	95
9) Propene	2.716	41	30598	0.640	ppbv #	75
11) Trichlorofluoromethane	3.571	101	34066	0.286	ppbv	99
13) Ethanol	3.246	45	540762	50.111	ppbv	98
15) Acetone	3.475	43	779805	8.613	ppbv	95
19) Isopropyl Alcohol	3.584	45	423399	7.265	ppbv	89
20) Methylene Chloride	3.938	84	935022	24.793	ppbv	100
26) Hexane	5.211	57	558503	6.160	ppbv #	45
29) Chloroform	5.272	83	21353	0.163	ppbv	91
34) 2-Butanone	4.793	43	53243	0.494	ppbv #	90
35) Carbon Tetrachloride	6.484	117	9951m	0.075	ppbv	
36) Benzene	6.362	78	24955m	0.136	ppbv	
52) Tetrachloroethene	10.603	164	12120m	0.163	ppbv	
53) Toluene	9.208	91	72826m	0.334	ppbv	
59) m/p-Xylene	12.323	91	38610m	0.174	ppbv	

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

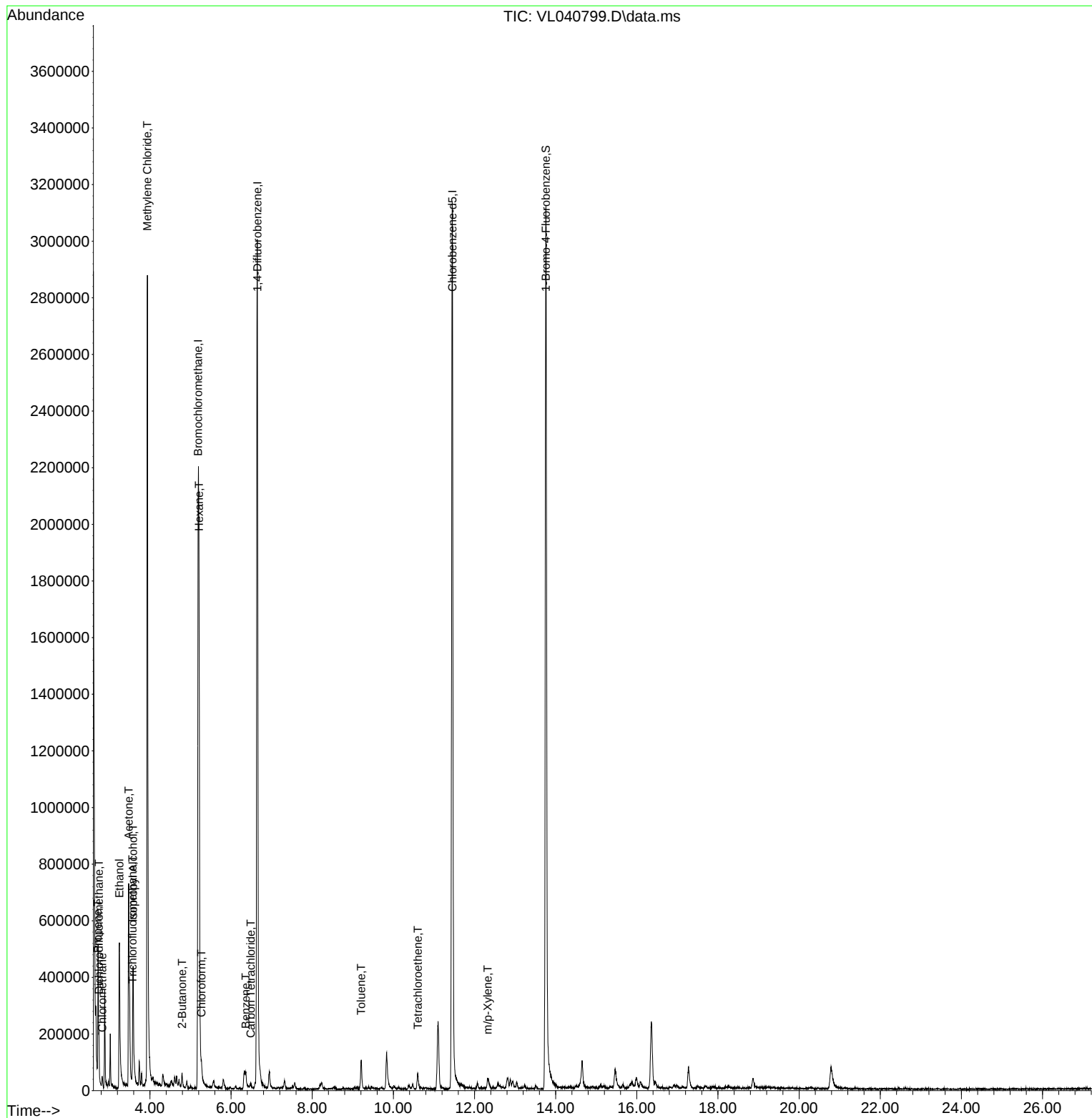
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
Data File : VL040799.D
Acq On : 25 Oct 2023 14:07
Operator : SY/MD
Sample : 05024-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

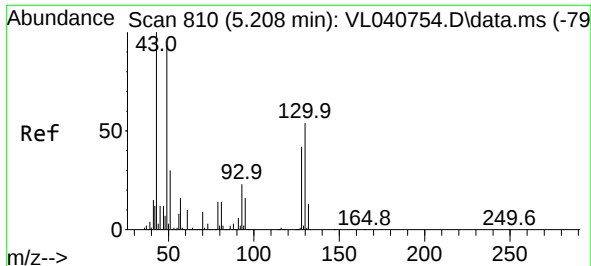
Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Oct 26 03:51:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Oct 12 00:21:08 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

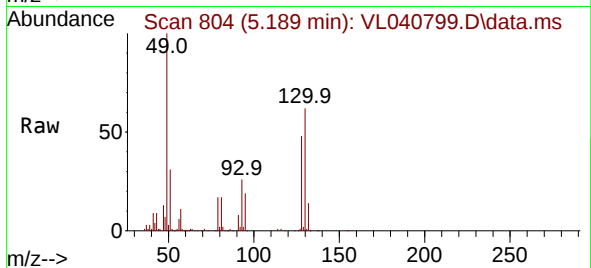
Reviewed By : Semsettin Yesilyurt 10/26/2023
Supervised By : Mahesh Dadoda 10/26/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.019 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

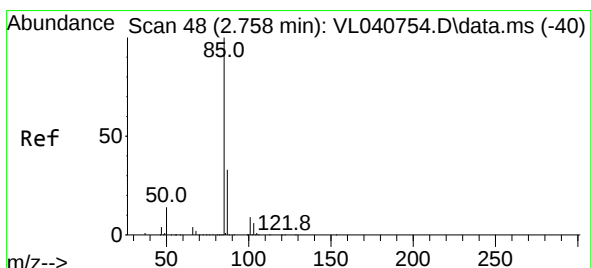
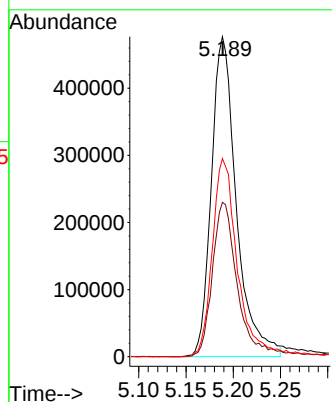
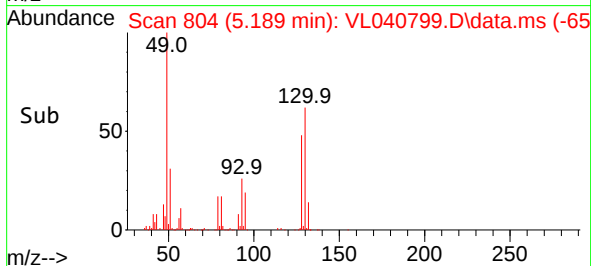
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 49 Resp: 875774
Ion Ratio Lower Upper
49 100
128 50.2 23.9 71.7
130 64.9 30.7 92.1

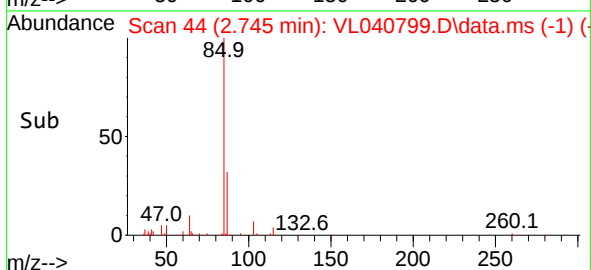
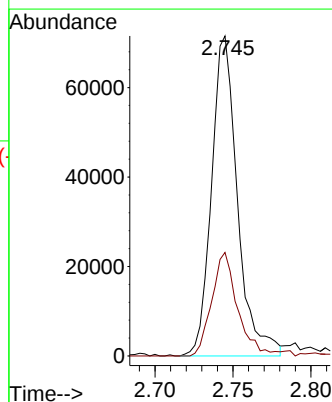
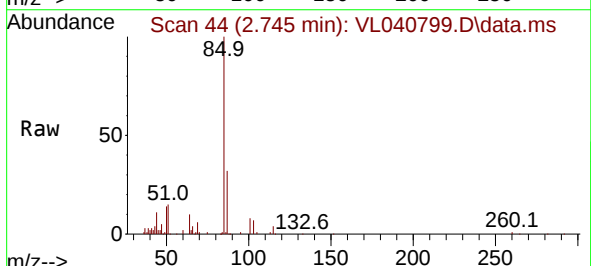
Manual Integrations
APPROVED

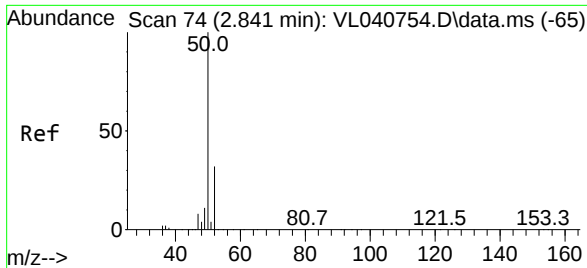
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#2
Dichlorodifluoromethane
Concen: 0.537 ppbv
RT: 2.745 min Scan# 44
Delta R.T. -0.013 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

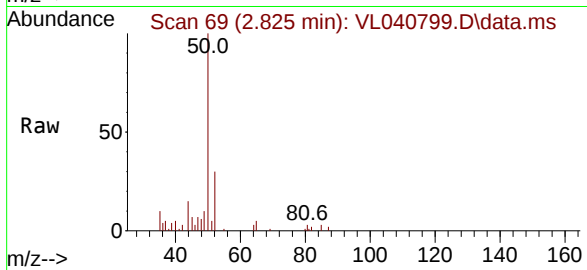
Tgt Ion: 85 Resp: 82857
Ion Ratio Lower Upper
85 100
87 32.0 26.0 39.0





#4
Chloromethane
Concen: 0.565 ppbv
RT: 2.825 min Scan# 61
Delta R.T. -0.016 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

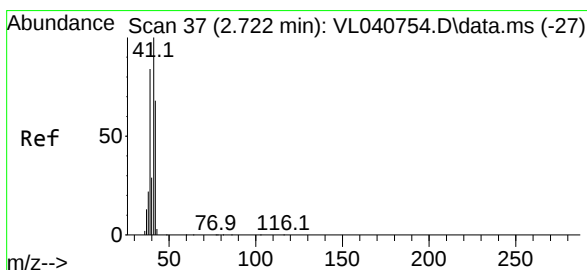
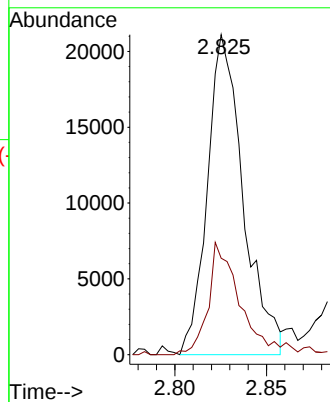
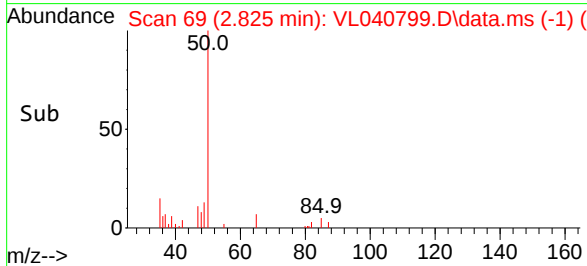
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 50 Resp: 28714
Ion Ratio Lower Upper
50 100
52 29.0 25.3 37.9

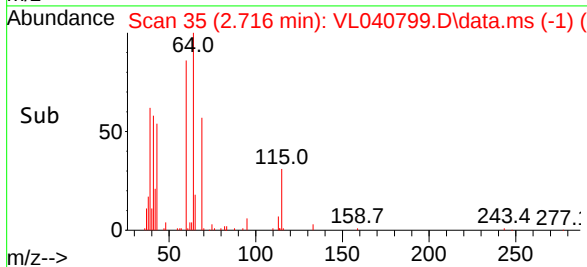
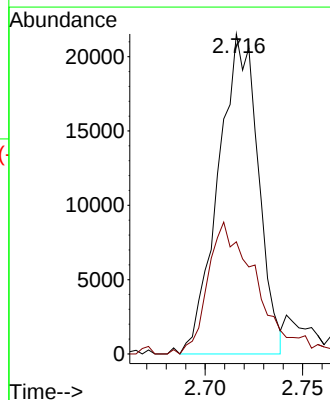
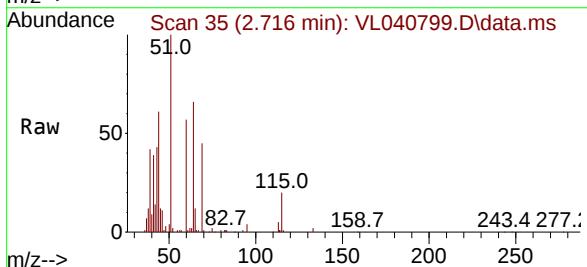
Manual Integrations
APPROVED

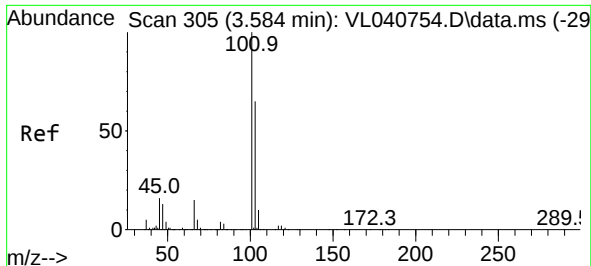
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#9
Propene
Concen: 0.640 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.006 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

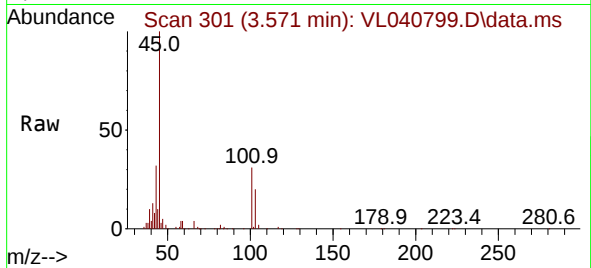
Tgt Ion: 41 Resp: 30598
Ion Ratio Lower Upper
41 100
42 51.0 57.1 85.7#





#11
Trichlorofluoromethane
Concen: 0.286 ppbv
RT: 3.571 min Scan# 305
Delta R.T. -0.013 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

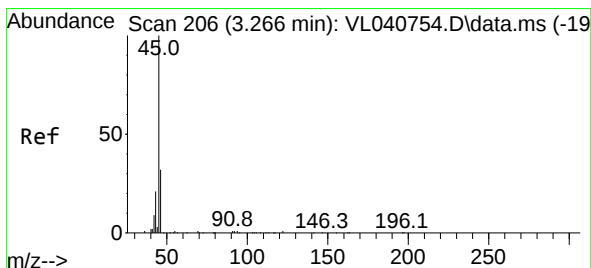
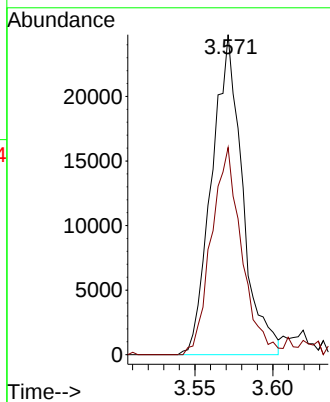
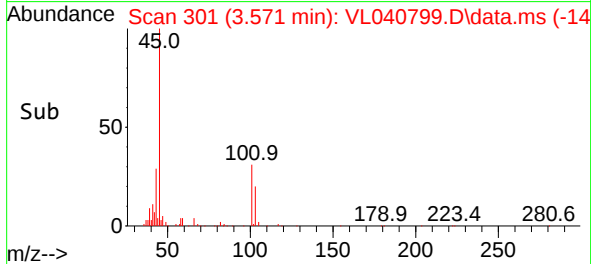
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion:101 Resp: 3406
Ion Ratio Lower Upper
101 100
103 64.7 52.2 78.2

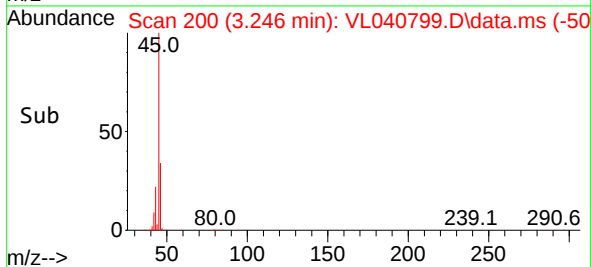
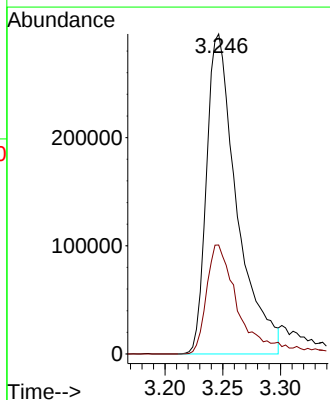
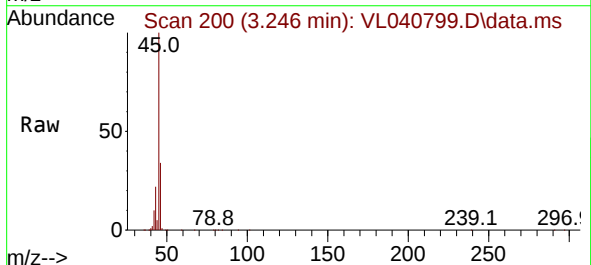
Manual Integrations
APPROVED

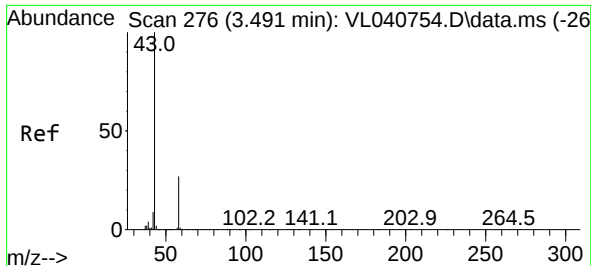
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#13
Ethanol
Concen: 50.111 ppbv
RT: 3.246 min Scan# 200
Delta R.T. -0.019 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

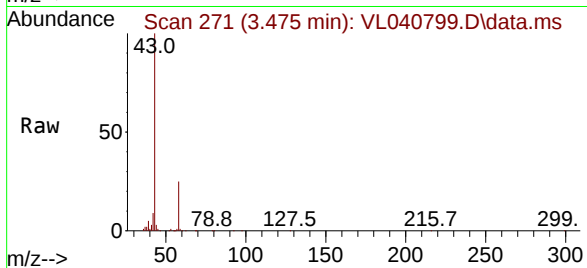
Tgt Ion: 45 Resp: 540762
Ion Ratio Lower Upper
45 100
46 37.7 14.6 58.2





#15
Acetone
Concen: 8.613 ppbv
RT: 3.475 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

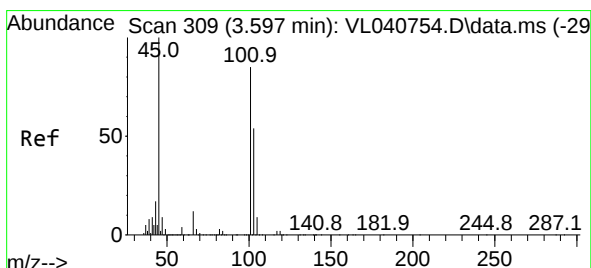
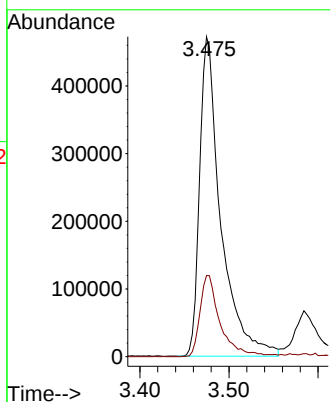
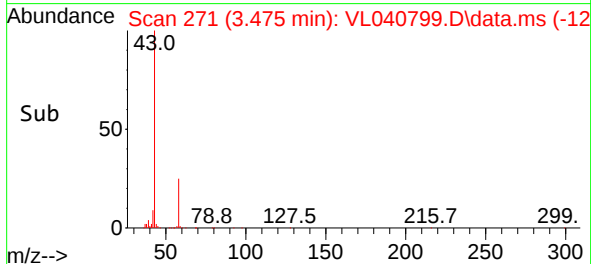
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 43 Resp: 77980
Ion Ratio Lower Upper
43 100
58 24.2 21.6 32.4

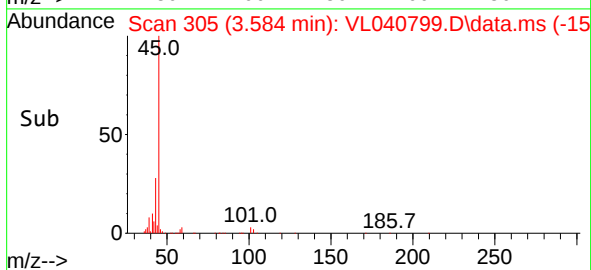
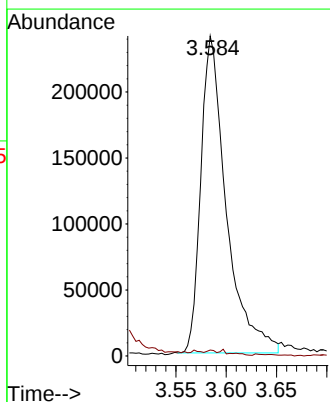
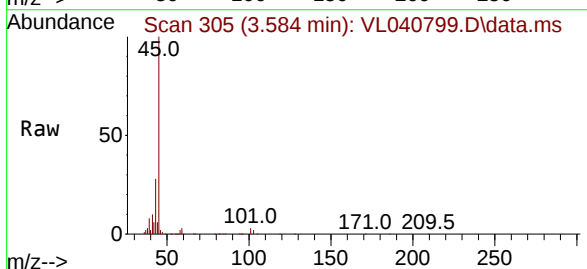
Manual Integrations
APPROVED

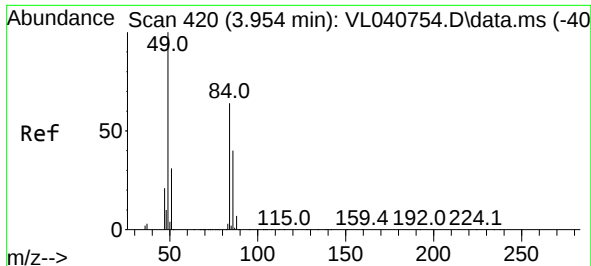
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#19
Isopropyl Alcohol
Concen: 7.265 ppbv
RT: 3.584 min Scan# 305
Delta R.T. -0.013 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

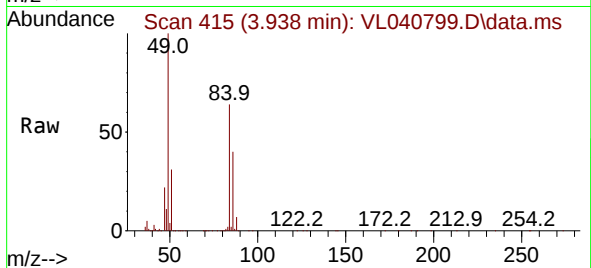
Tgt Ion: 45 Resp: 423399
Ion Ratio Lower Upper
45 100
58 44.6 30.3 45.5





#20
Methylene Chloride
Concen: 24.793 ppbv
RT: 3.938 min Scan# 415
Delta R.T. -0.016 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

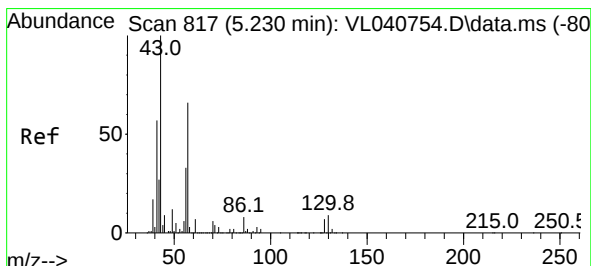
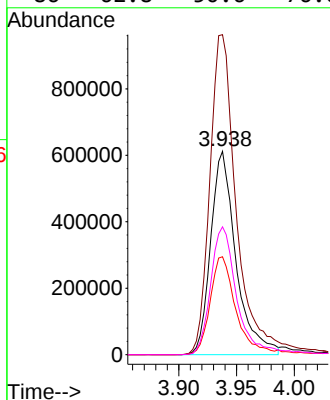
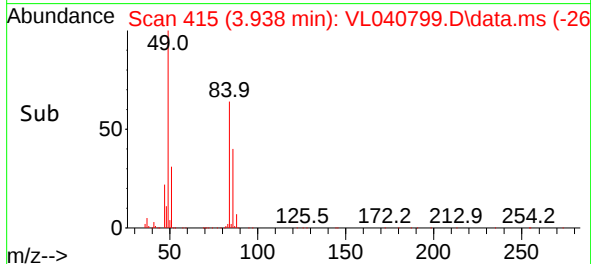
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 84 Resp: 935022
Ion Ratio Lower Upper
84 100
49 157.3 125.6 188.4
51 48.0 38.9 58.3
86 62.8 50.6 76.0

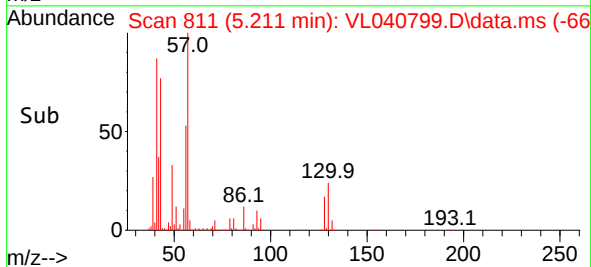
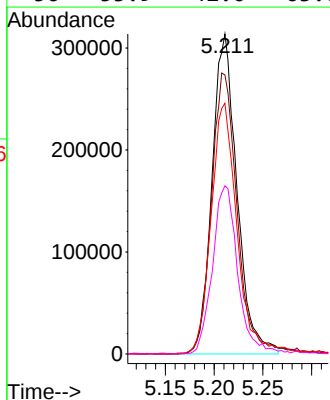
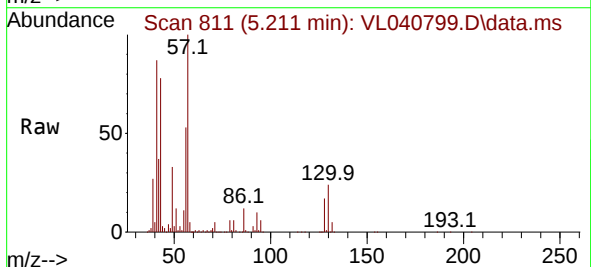
Manual Integrations
APPROVED

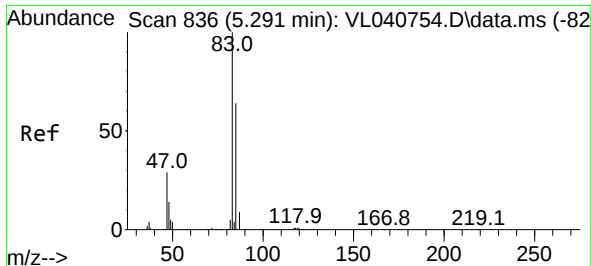
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#26
Hexane
Concen: 6.160 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.019 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

Tgt Ion: 57 Resp: 558503
Ion Ratio Lower Upper
57 100
41 91.9 71.4 107.2
43 82.8 182.3 273.5#
56 53.9 42.0 63.0





#29

Chloroform

Concen: 0.163 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.019 min

Lab File: VL040799.D

Acq: 25 Oct 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

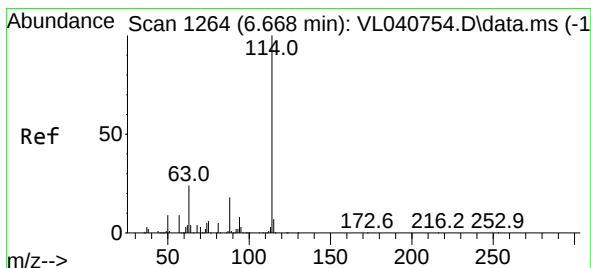
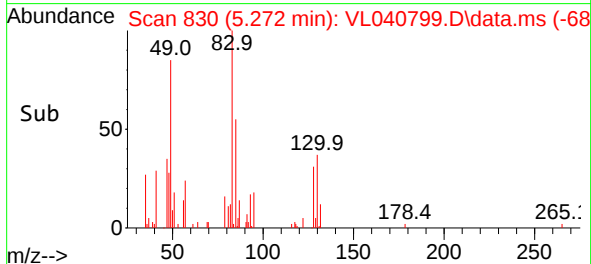
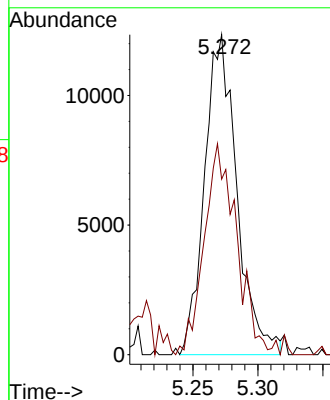
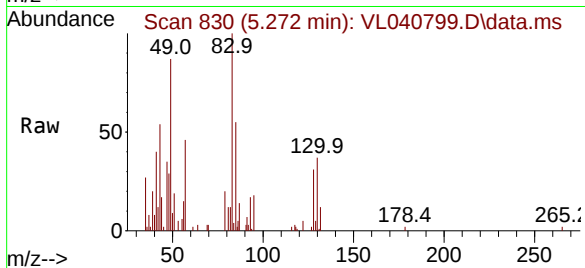
IA-1

Tgt Ion: 83 Resp: 2135
 Ion Ratio Lower Upper
 83 100
 85 56.8 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

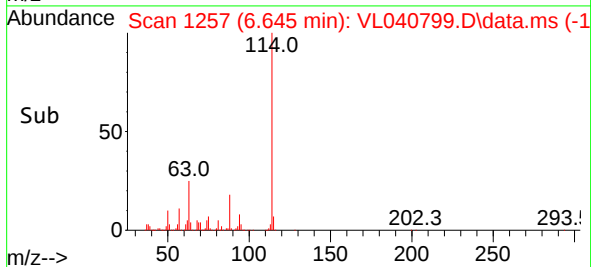
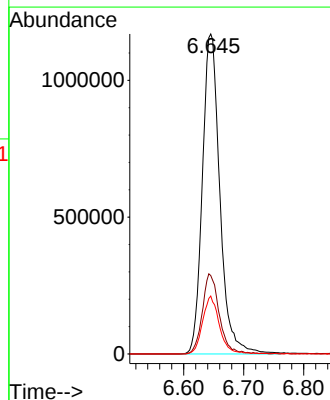
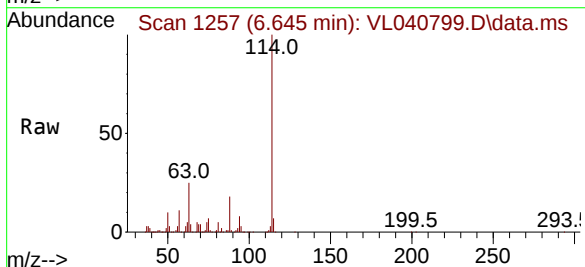
RT: 6.645 min Scan# 1257

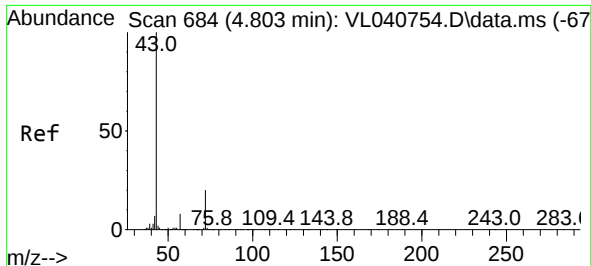
Delta R.T. -0.022 min

Lab File: VL040799.D

Acq: 25 Oct 2023 14:07

Tgt Ion:114 Resp: 2379217
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.8 29.6
 88 17.5 14.2 21.2





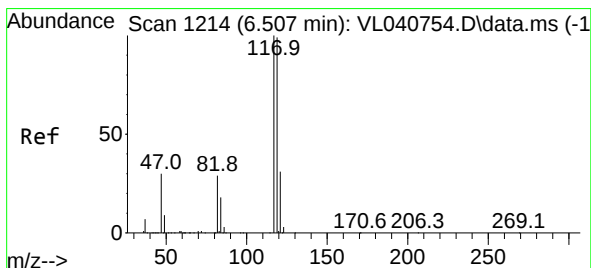
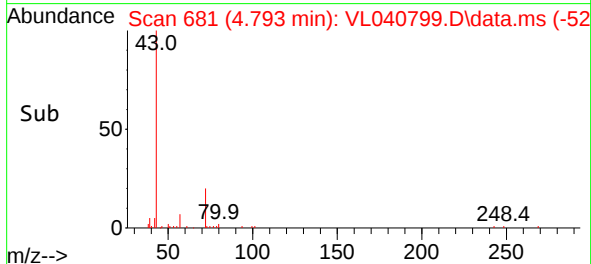
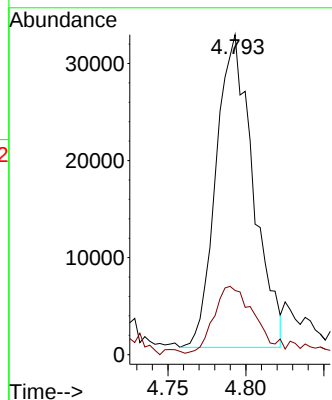
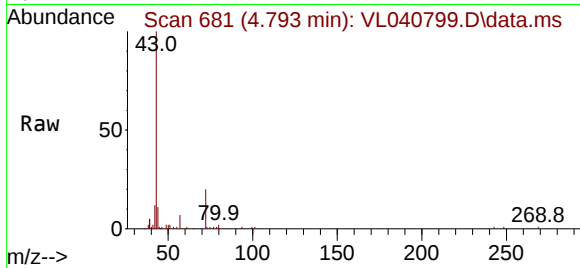
#34
2-Butanone
Concen: 0.494 ppbv
RT: 4.793 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 43 Resp: 5324
Ion Ratio Lower Upper
43 100
72 25.8 16.8 25.2

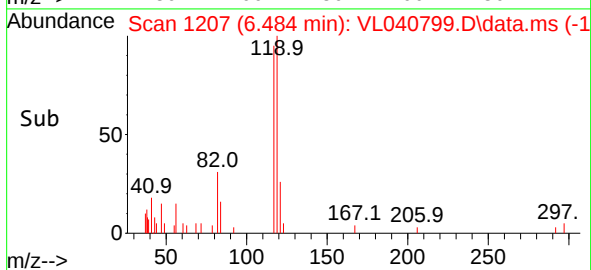
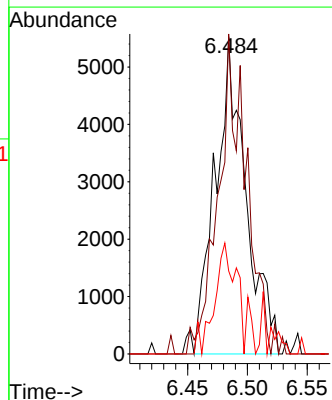
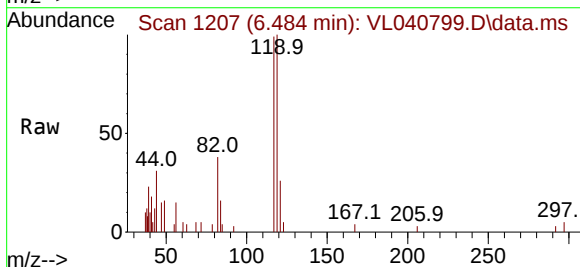
Manual Integrations
APPROVED

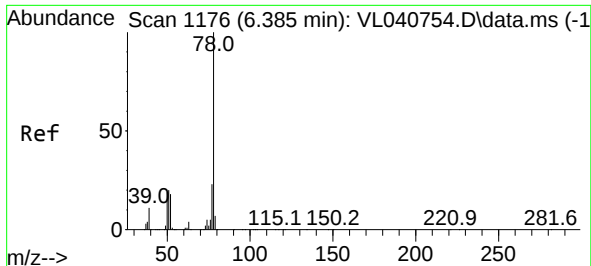
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 6.484 min Scan# 1207
Delta R.T. -0.022 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

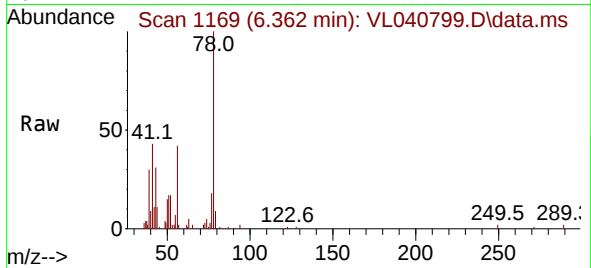
Tgt Ion:117 Resp: 9951
Ion Ratio Lower Upper
117 100
119 100.9 79.4 119.0
121 26.2 25.0 37.4





#36
Benzene
Concen: 0.136 ppbv m
RT: 6.362 min Scan# 1176
Delta R.T. -0.022 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

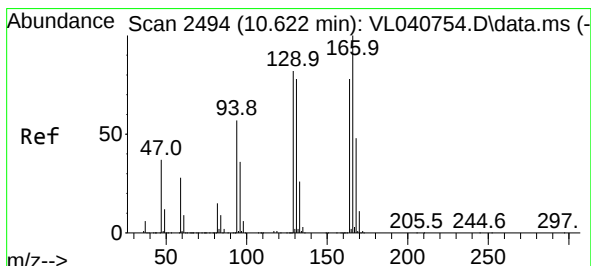
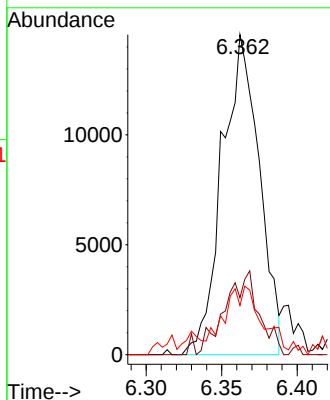
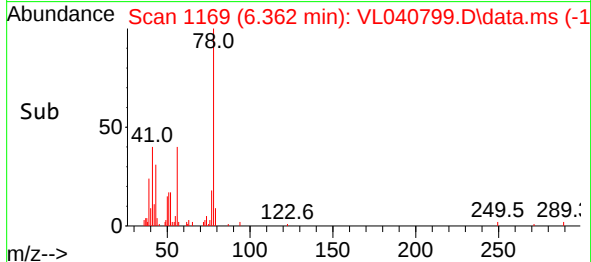
Instrument :
MSVOA_L
ClientSampleId :
LA-1



Tgt Ion: 78 Resp: 24958
Ion Ratio Lower Upper
78 100
77 17.8 18.4 27.6
50 15.4 15.0 22.4

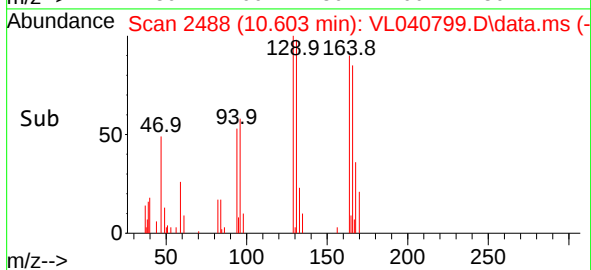
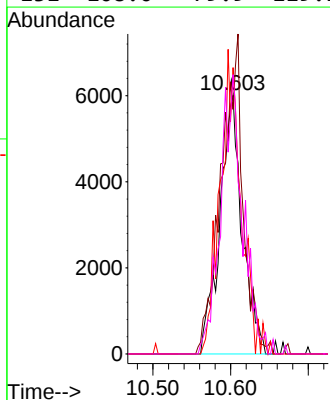
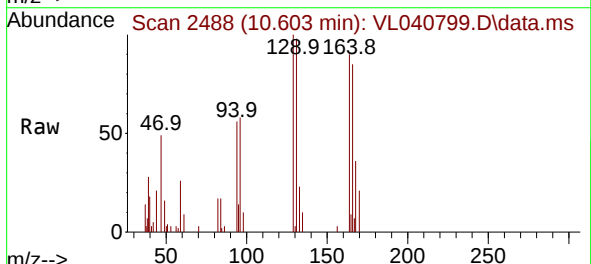
Manual Integrations
APPROVED

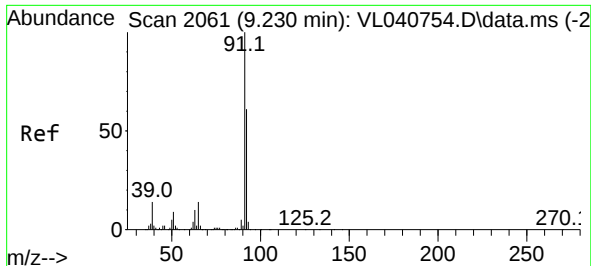
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#52
Tetrachloroethene
Concen: 0.163 ppbv m
RT: 10.603 min Scan# 2488
Delta R.T. -0.019 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

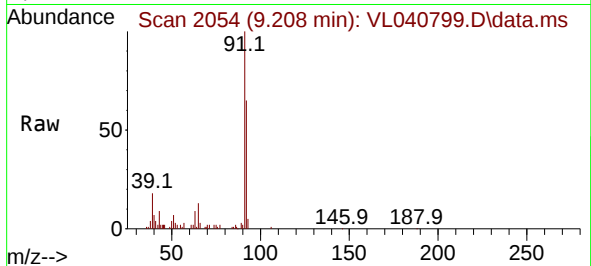
Tgt Ion:164 Resp: 12120
Ion Ratio Lower Upper
164 100
166 94.5 102.4 153.6
129 110.7 84.2 126.4
131 108.0 79.9 119.9





#53
Toluene
Concen: 0.334 ppbv m
RT: 9.208 min Scan# 2061
Delta R.T. -0.023 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

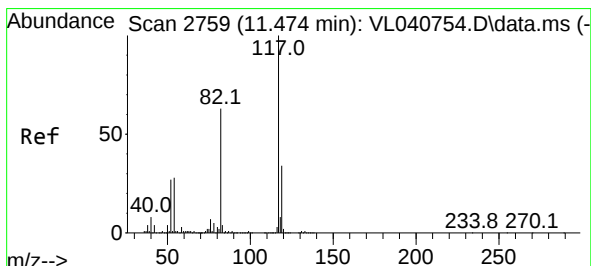
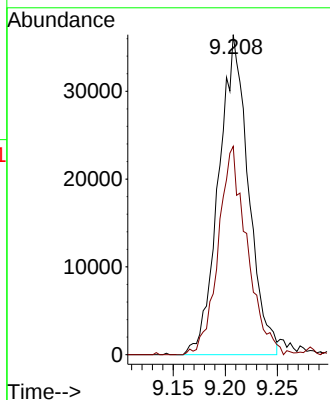
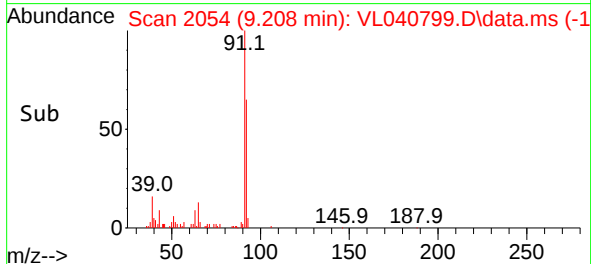
Instrument :
MSVOA_L
ClientSampleId :
IA-1



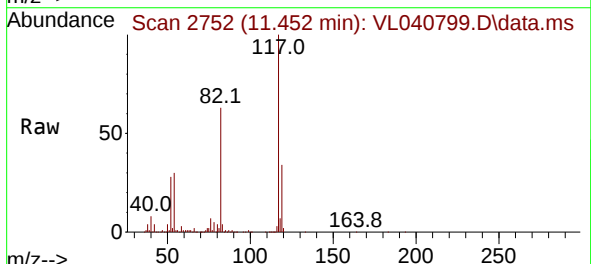
Tgt Ion: 91 Resp: 72820
Ion Ratio Lower Upper
91 100
92 63.9 50.2 75.2

Manual Integrations
APPROVED

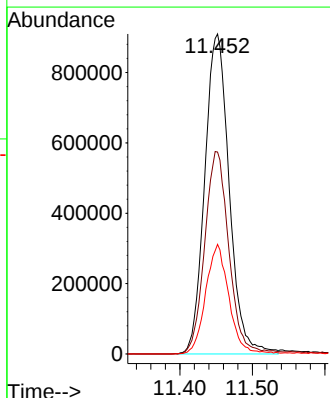
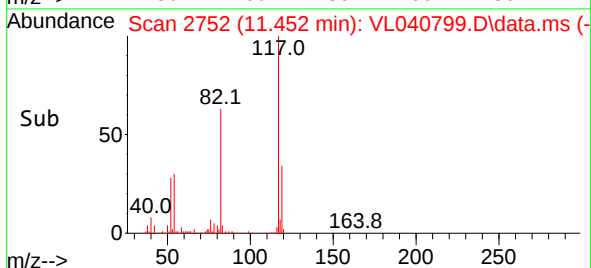
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

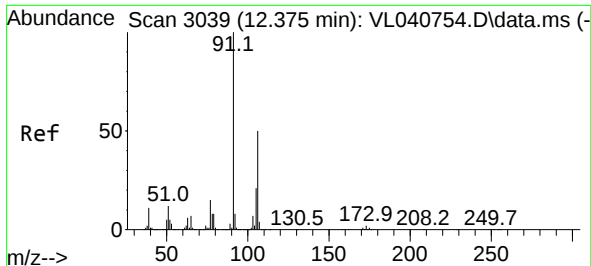


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. -0.023 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07



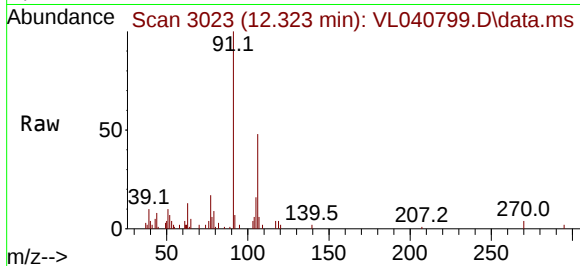
Tgt Ion:117 Resp: 2137362
Ion Ratio Lower Upper
117 100
82 63.7 46.6 70.0
119 33.0 26.0 39.0





#59
m/p-Xylene
Concen: 0.174 ppbv m
RT: 12.323 min Scan# 3039
Delta R.T. -0.051 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

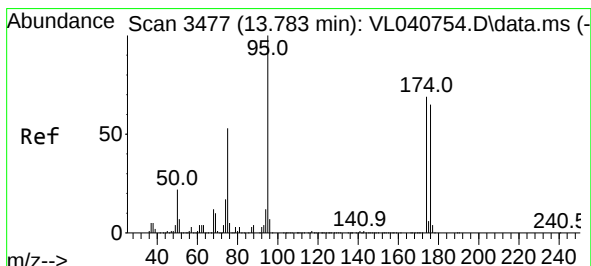
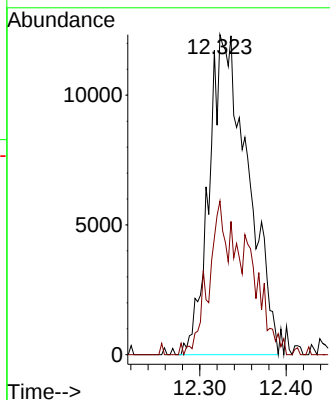
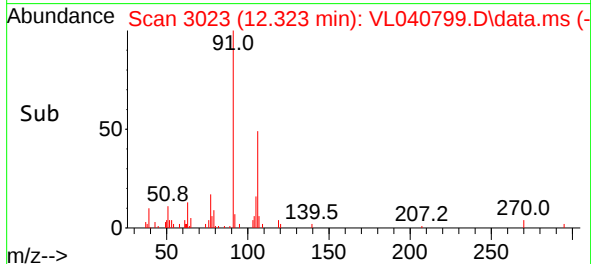
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 91 Resp: 38610
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.533 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.026 min
Lab File: VL040799.D
Acq: 25 Oct 2023 14:07

Tgt Ion: 95 Resp: 1656526
Ion Ratio Lower Upper
95 100
174 63.5 54.7 82.1
175 4.7 4.2 6.4

