

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040708.D
 Acq On : 18 Sep 2023 21:01
 Operator : SY/MD
 Sample : 04403-01DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 29W-1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 05:22:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 18 2023
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

Supervised By :Mahesh
 Dadoda
 09/19/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Bromochloromethane	5.195	49	1232744	10.000	ppbv	0.00	
33) 1,4-Difluorobenzene	6.658	114	3301171	10.000	ppbv	0.00	
55) Chlorobenzene-d5	11.475	117	2719223	10.000	ppbv	0.00	
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.786	95	2040396	9.712	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%	
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.726	85	21101	0.078	ppbv		94
3) Chlorodifluoromethane	2.668	51	85305m	0.425	ppbv		
4) Chloromethane	2.819	50	12471m	0.162	ppbv		
9) Propene	2.703	41	86689m	1.498	ppbv		
13) Ethanol	3.234	45	2475624	144.567	ppbv		96
15) Acetone	3.468	43	1006297	6.189	ppbv		100
17) tert-Butyl alcohol	3.890	59	15121m	0.091	ppbv		
19) Isopropyl Alcohol	3.581	45	283468	2.893	ppbv #		96
20) Methylene Chloride	3.935	84	62026	0.709	ppbv		96
25) Ethyl Acetate	5.214	43	169179	0.645	ppbv #		96
26) Hexane	5.218	57	119538	0.964	ppbv #		67
29) Chloroform	5.275	83	19103	0.089	ppbv		91
34) 2-Butanone	4.793	43	36413m	0.219	ppbv		
36) Benzene	6.372	78	29085m	0.119	ppbv		
44) 2,2,4-Trimethylpentane	7.327	57	66512	0.171	ppbv #		80
53) Toluene	9.227	91	196081	0.760	ppbv		98
76) 1,4-Dichlorobenzene	16.490	146	15015m	0.078	ppbv		

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

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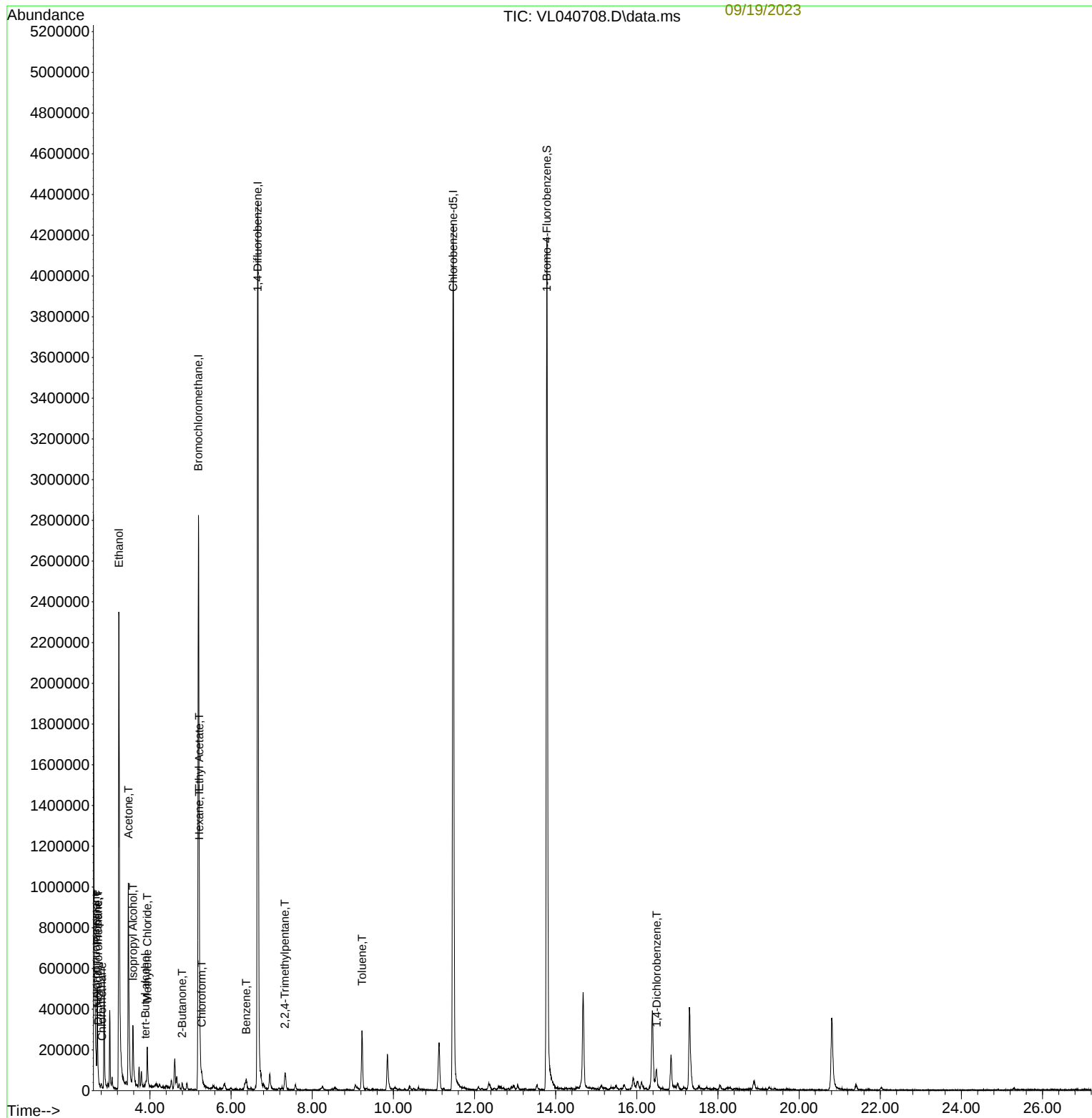
Instrument :
MSVOA_L
ClientSampleId :
29W-1DL

Quant Time: Sep 19 05:22:05 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

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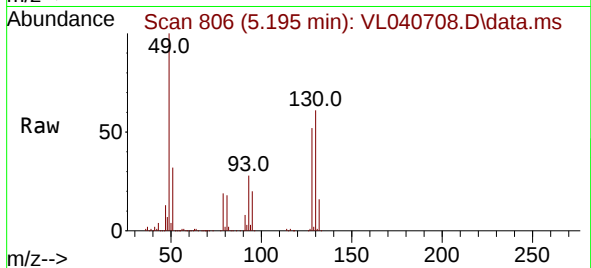
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01

Instrument :
MSVOA_L
ClientSampleId :
29W-1DL

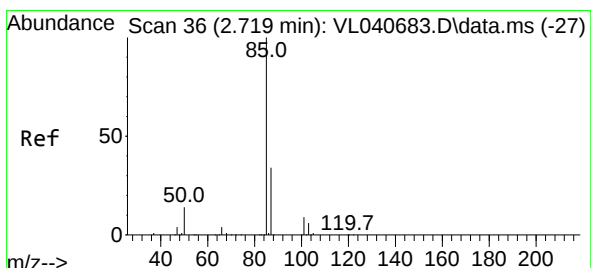
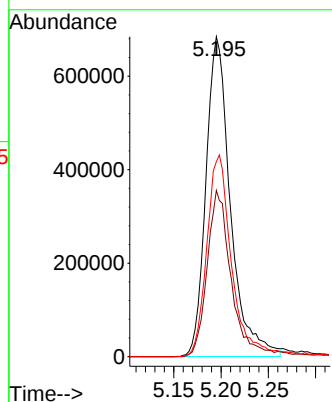
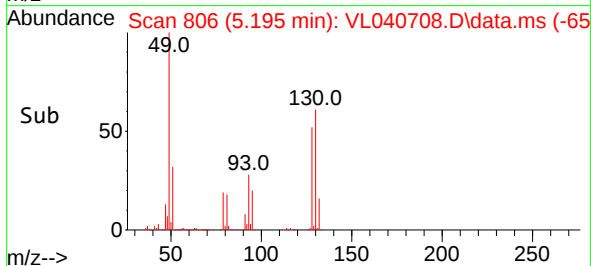


Tgt Ion: 49 Resp: 1232744
Ion Ratio Lower Upper
49 100
128 52.0 25.4 76.0
130 65.7 32.3 96.8

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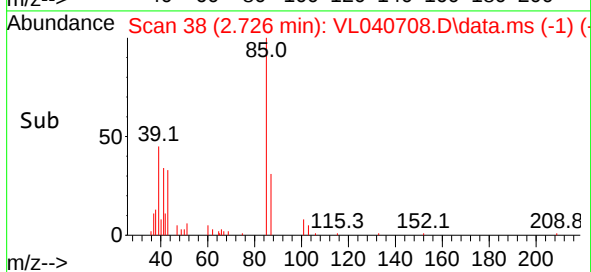
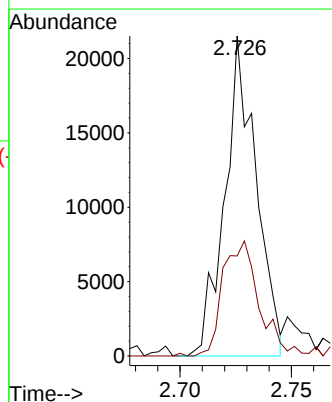
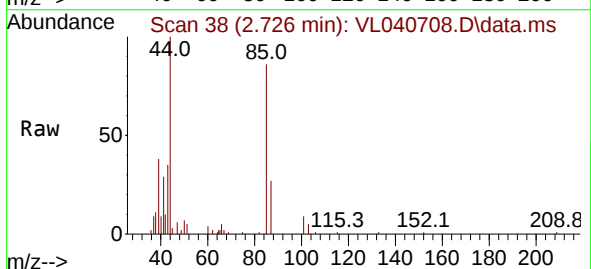
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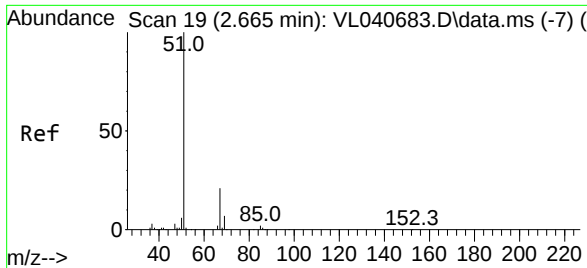
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#2
Dichlorodifluoromethane
Concen: 0.078 ppbv
RT: 2.726 min Scan# 38
Delta R.T. -0.006 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01

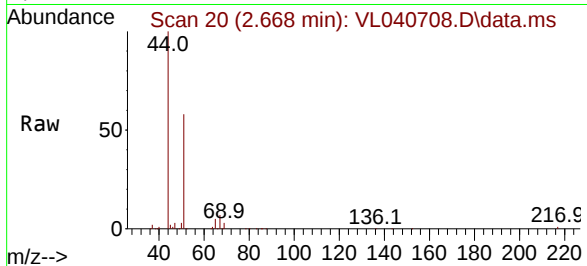
Tgt Ion: 85 Resp: 21101
Ion Ratio Lower Upper
85 100
87 30.4 27.2 40.8





#3
Chlorodifluoromethane
Concen: 0.425 ppbv m
RT: 2.668 min Scan# 20
Delta R.T. -0.010 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01

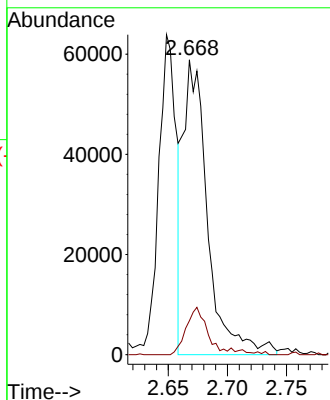
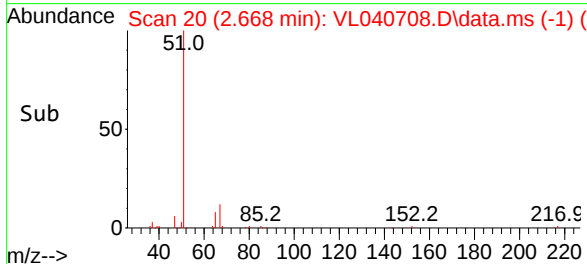
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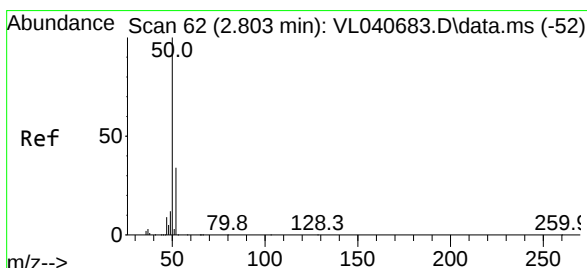
Tgt Ion: 51 Resp: 8530
Ion Ratio Lower Upper
51 100
67 15.0 16.7 25.1

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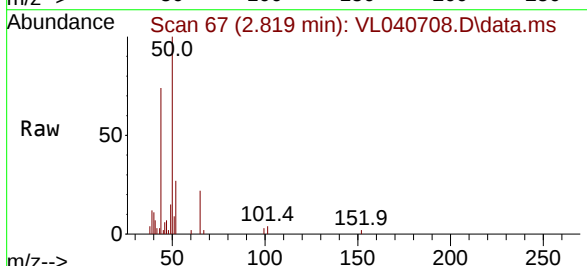
Reviewed By :Semsettin Yesilyurt 09/19/2023
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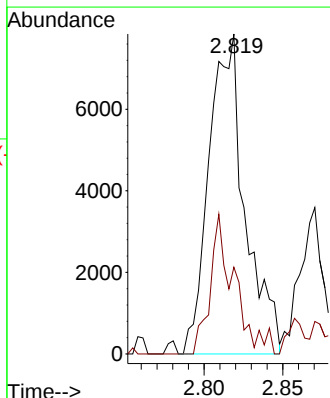
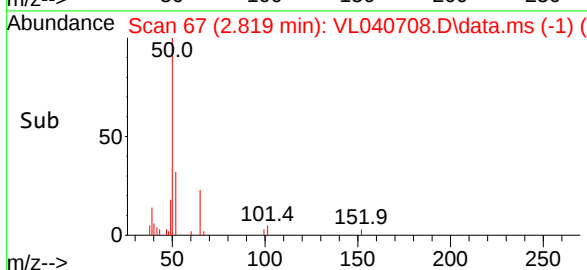
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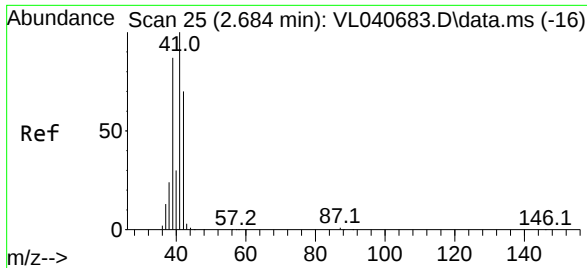


#4
Chloromethane
Concen: 0.162 ppbv m
RT: 2.819 min Scan# 67
Delta R.T. 0.003 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01



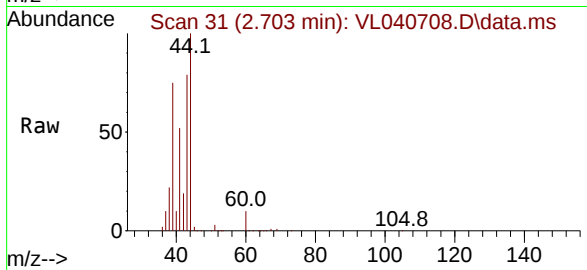
Tgt Ion: 50 Resp: 12471
Ion Ratio Lower Upper
50 100
52 27.1 27.1 40.7





#9
 Propene
 Concen: 1.498 ppbv m
 RT: 2.703 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: VL040708.D
 Acq: 18 Sep 2023 21:01

Instrument :
 MSVOA_L
 ClientSampleId :
 29W-1DL

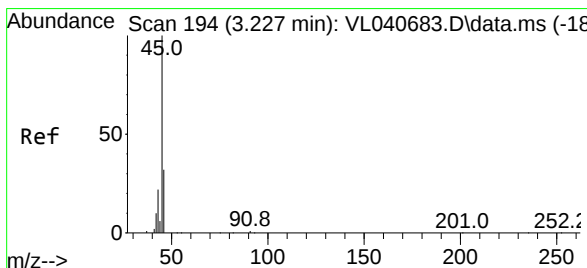
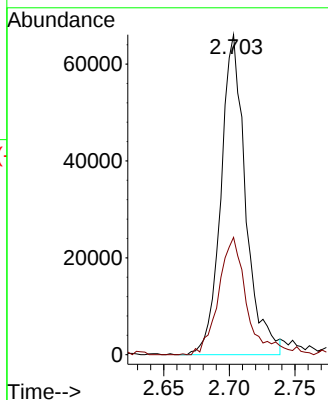
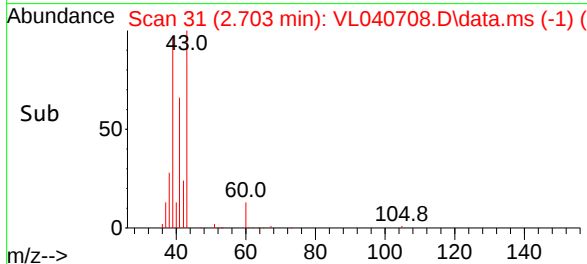


Tgt Ion: 41 Resp: 86689
 Ion Ratio Lower Upper
 41 100
 42 118.2 56.7 85.1

Manual Integrations
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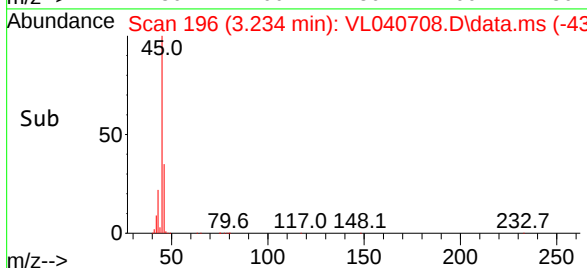
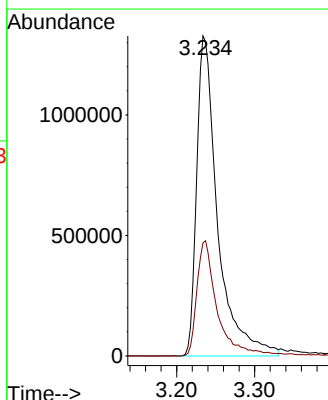
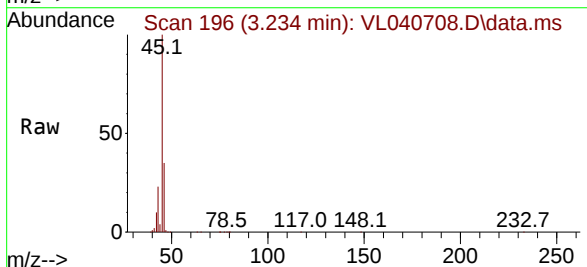
Reviewed By :Semsettin Yesilyurt 09/19/2023
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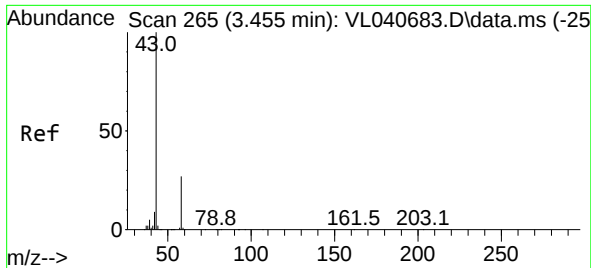
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 09/19/2023



#13
 Ethanol
 Concen: 144.567 ppbv
 RT: 3.234 min Scan# 196
 Delta R.T. -0.010 min
 Lab File: VL040708.D
 Acq: 18 Sep 2023 21:01

Tgt Ion: 45 Resp: 2475624
 Ion Ratio Lower Upper
 45 100
 46 35.9 15.2 61.0





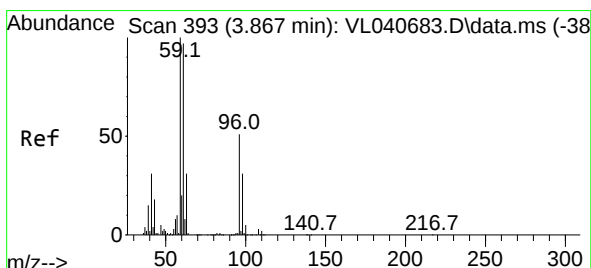
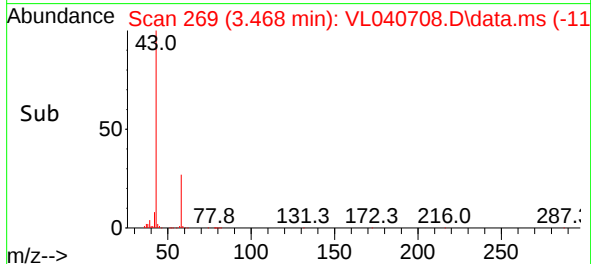
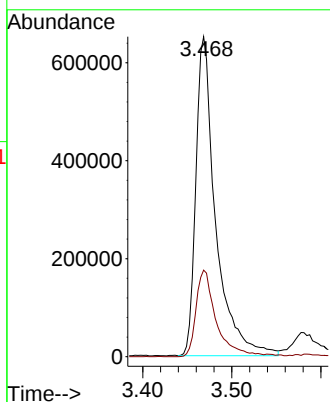
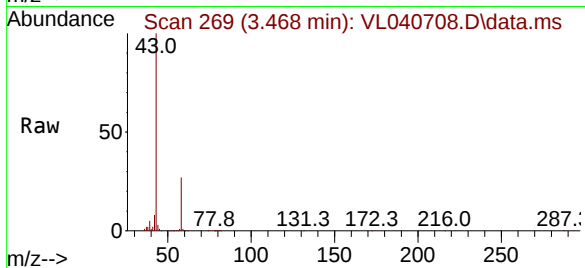
#15
Acetone
Concen: 6.189 ppbv
RT: 3.468 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01

Instrument :
MSVOA_L
ClientSampleId :
29W-1DL

Tgt Ion: 43 Resp: 100629
Ion Ratio Lower Upper
43 100
58 28.1 22.6 34.0

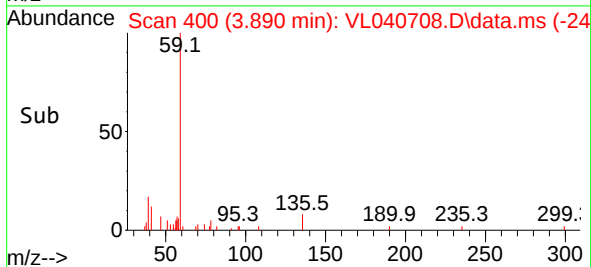
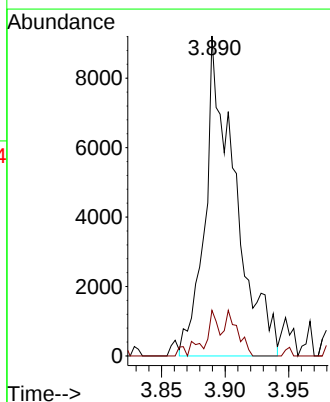
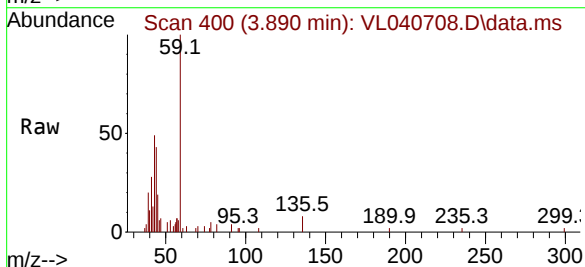
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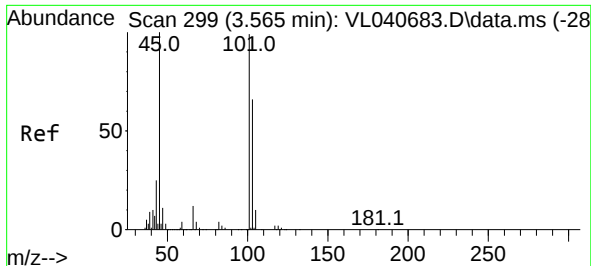
Reviewed By :Semsettin Yesilyurt 09/19/2023
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#17
tert-Butyl alcohol
Concen: 0.091 ppbv m
RT: 3.890 min Scan# 400
Delta R.T. 0.007 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01

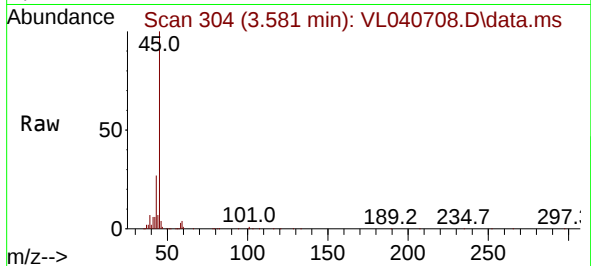
Tgt Ion: 59 Resp: 15121
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#19
Isopropyl Alcohol
Concen: 2.893 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.003 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01

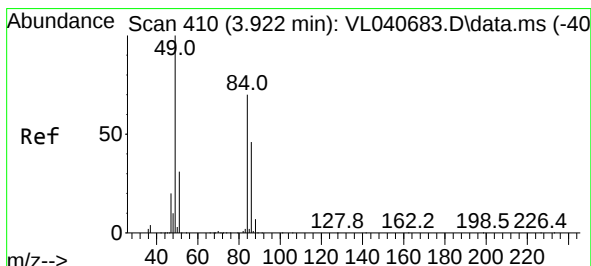
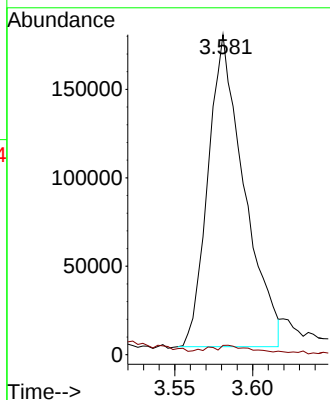
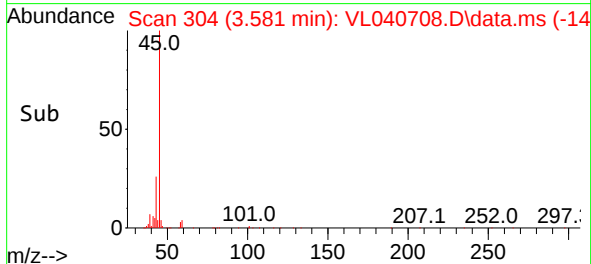
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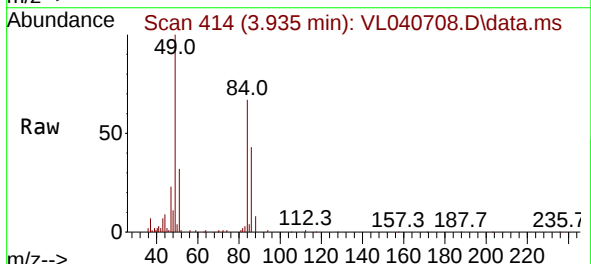
Tgt Ion: 45 Resp: 283468
Ion Ratio Lower Upper
45 100
58 3.9 1.9 2.9

Manual Integrations
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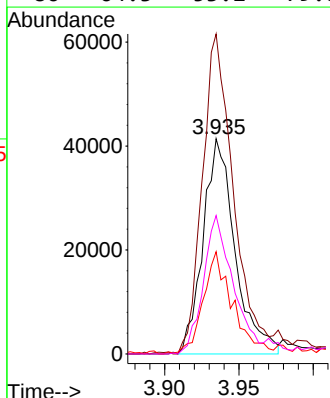
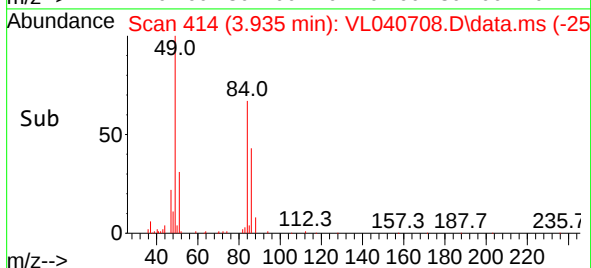
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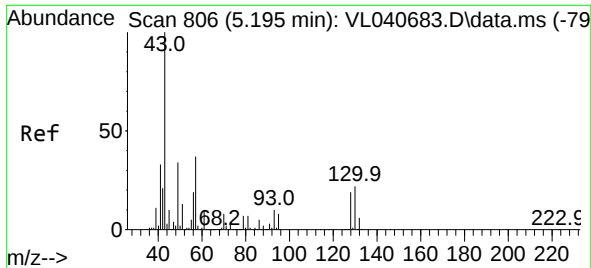


#20
Methylene Chloride
Concen: 0.709 ppbv
RT: 3.935 min Scan# 414
Delta R.T. -0.003 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01



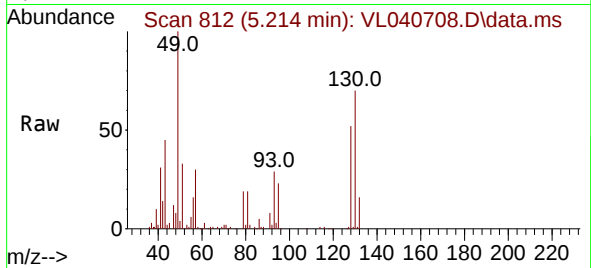
Tgt Ion: 84 Resp: 62026
Ion Ratio Lower Upper
84 100
49 148.7 114.4 171.6
51 46.7 35.5 53.3
86 64.3 53.2 79.8





#25
Ethyl Acetate
Concen: 0.645 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01

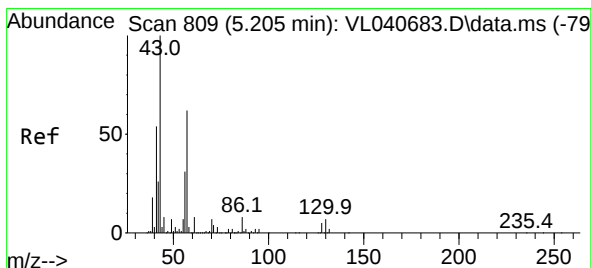
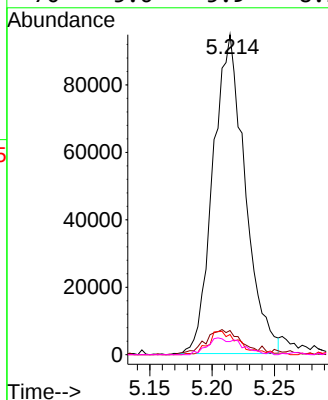
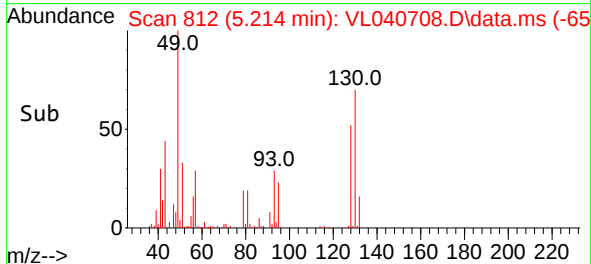
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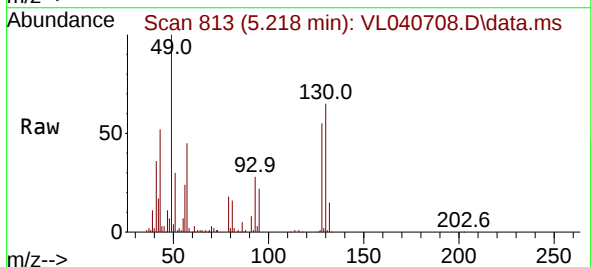
Tgt Ion: 43 Resp: 169179
Ion Ratio Lower Upper
43 100
45 10.2 8.2 12.4
61 7.3 8.2 12.4
70 5.6 5.9 8.9

Manual Integrations
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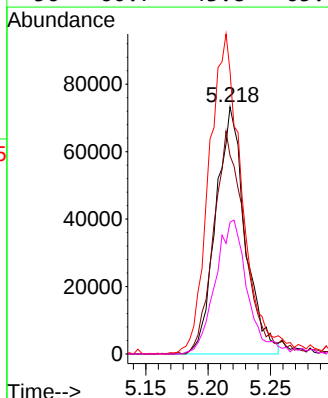
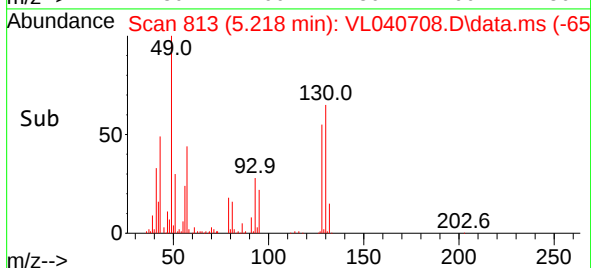
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Supervised By :Mahesh Dadoda 09/19/2023

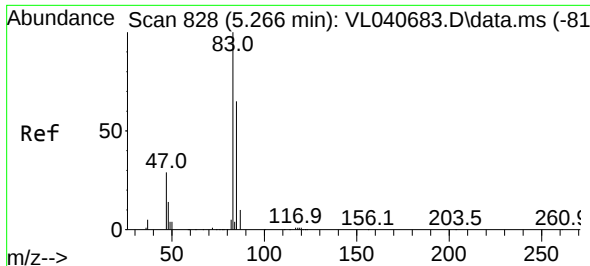


#26
Hexane
Concen: 0.964 ppbv
RT: 5.218 min Scan# 813
Delta R.T. -0.003 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01



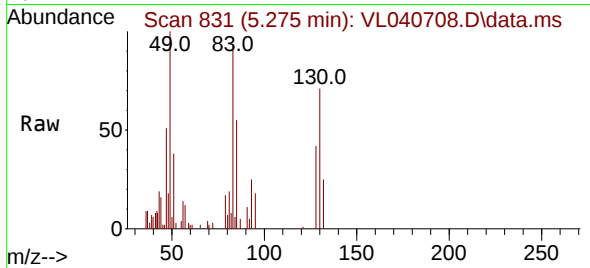
Tgt Ion: 57 Resp: 119538
Ion Ratio Lower Upper
57 100
41 98.4 75.2 112.8
43 148.6 185.6 278.4
56 60.7 43.8 65.8





#29
Chloroform
Concen: 0.089 ppbv
RT: 5.275 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01

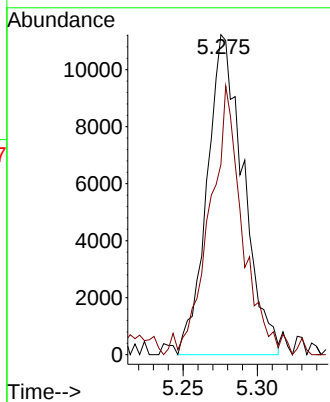
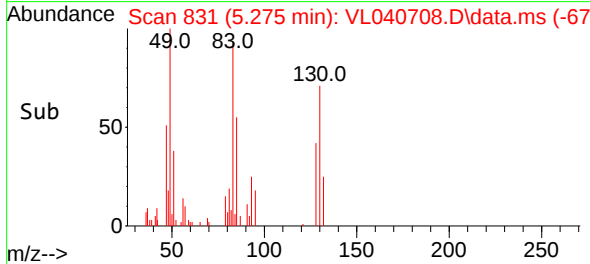
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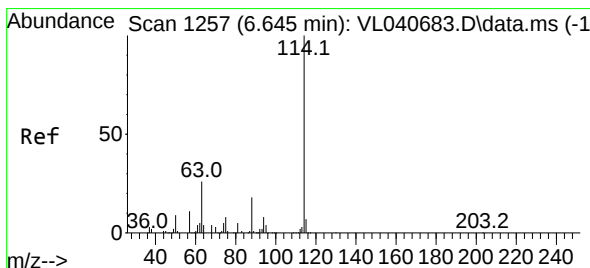
Tgt Ion: 83 Resp: 1910
Ion Ratio Lower Upper
83 100
85 57.9 51.8 77.8

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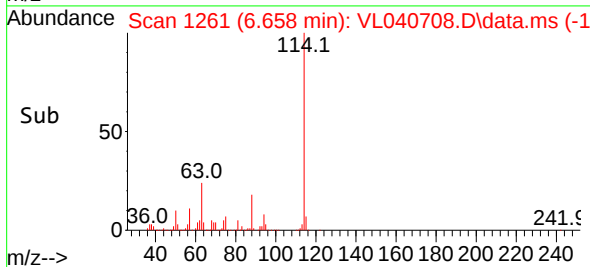
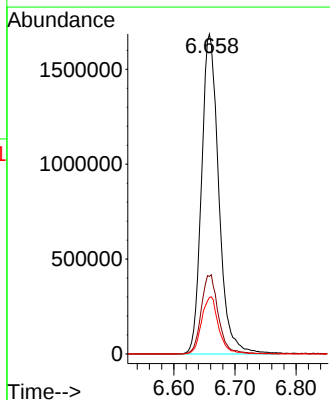
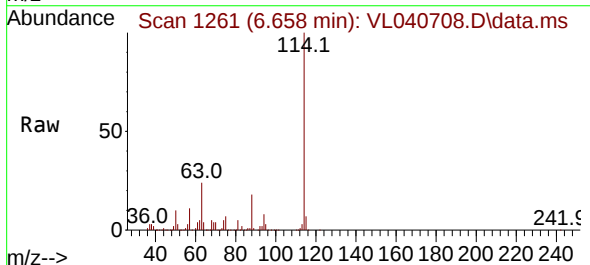


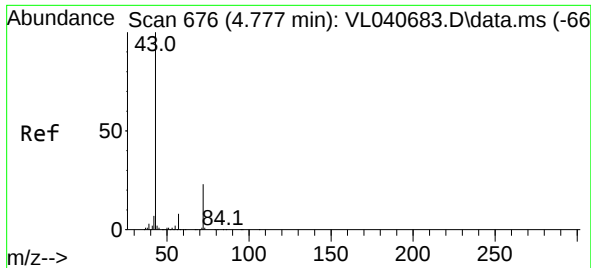
Supervised By :Mahesh
Dadoda
09/19/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01

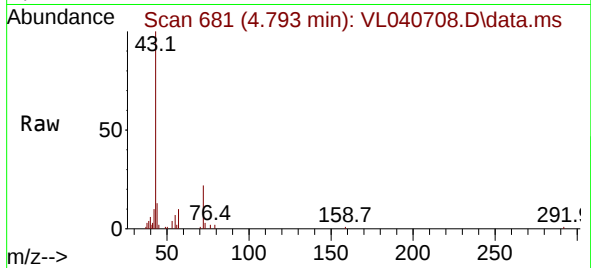
Tgt Ion:114 Resp: 3301171
Ion Ratio Lower Upper
114 100
63 24.9 21.1 31.7
88 17.8 14.5 21.7





#34
2-Butanone
Concen: 0.219 ppbv m
RT: 4.793 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01

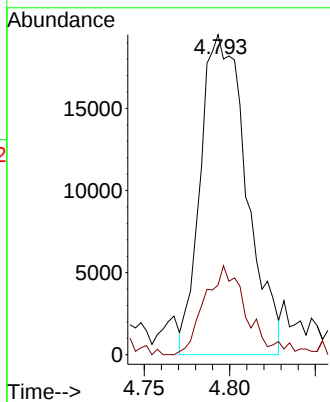
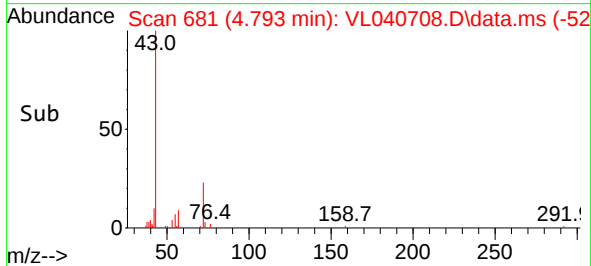
Instrument :
MSVOA_L
ClientSampleId :
29W-1DL



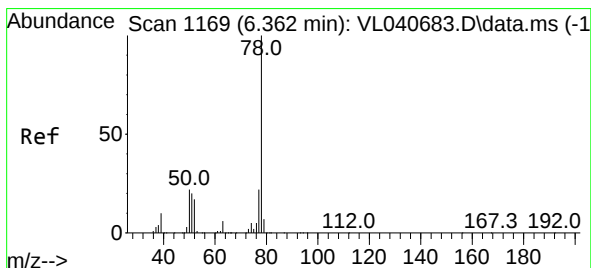
Tgt Ion: 43 Resp: 3641
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

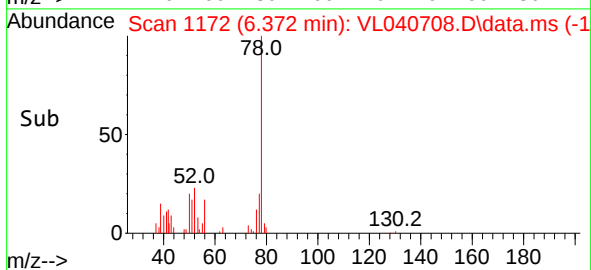
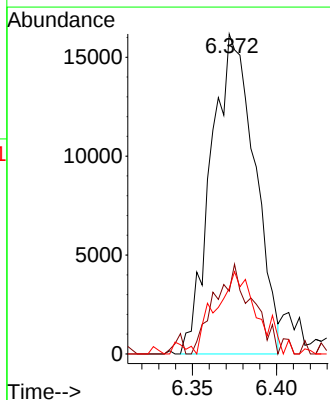
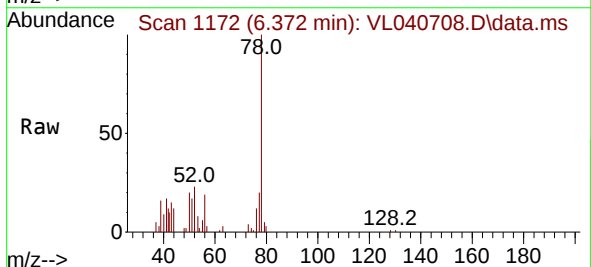


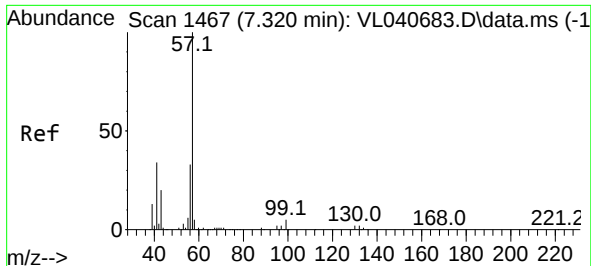
Supervised By :Mahesh
Dadoda
09/19/2023



#36
Benzene
Concen: 0.119 ppbv m
RT: 6.372 min Scan# 1172
Delta R.T. -0.010 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01

Tgt Ion: 78 Resp: 29085
Ion Ratio Lower Upper
78 100
77 19.6 17.9 26.9
50 20.5 17.3 25.9





#44

2,2,4-Trimethylpentane

Concen: 0.171 ppbv

RT: 7.327 min Scan# 1467

Delta R.T. -0.010 min

Lab File: VL040708.D

Acq: 18 Sep 2023 21:01

Instrument :

MSVOA_L

ClientSampleId :

29W-1DL

Tgt Ion: 57	Resp: 6651
Ion Ratio	Lower Upper
57 100	
41 47.5	28.5 42.7
56 42.6	25.4 38.2

Manual Integrations

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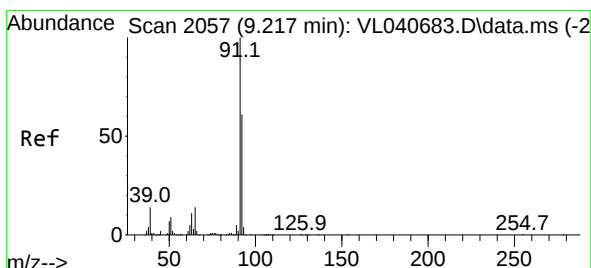
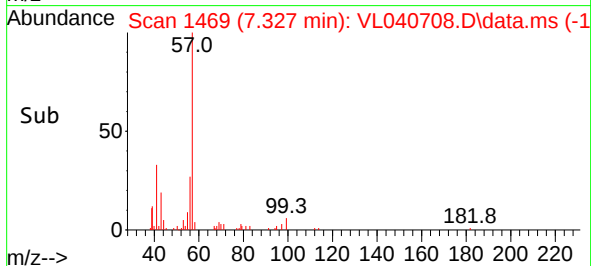
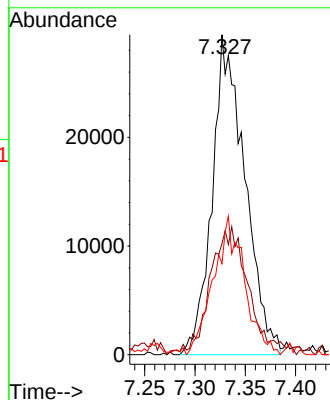
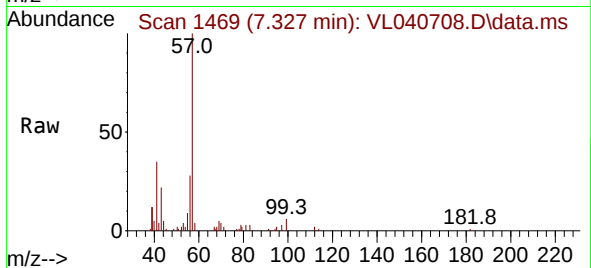
Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023

Supervised By :Mahesh

Dadoda

09/19/2023



#53

Toluene

Concen: 0.760 ppbv

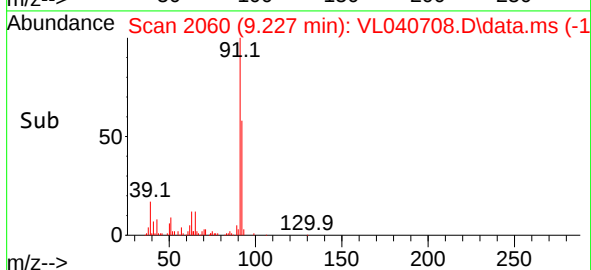
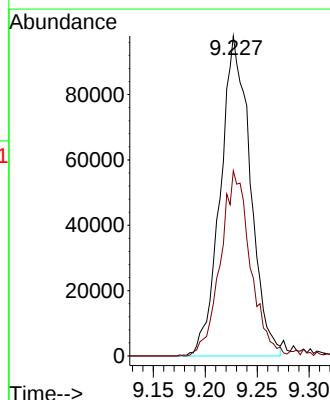
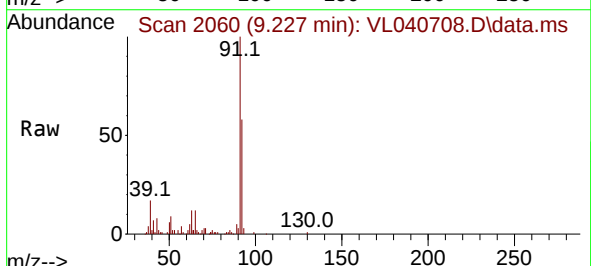
RT: 9.227 min Scan# 2060

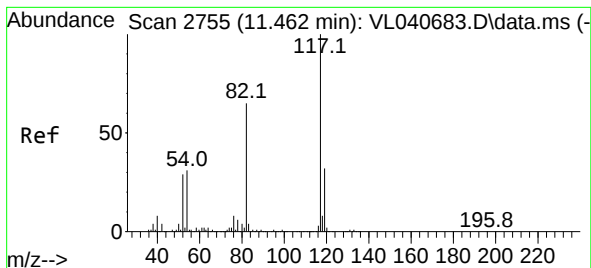
Delta R.T. -0.003 min

Lab File: VL040708.D

Acq: 18 Sep 2023 21:01

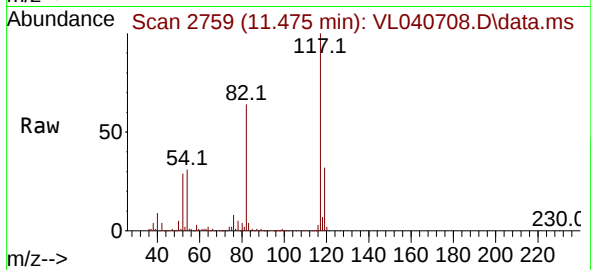
Tgt Ion: 91	Resp: 196081
Ion Ratio	Lower Upper
91 100	
92 58.8	48.5 72.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01

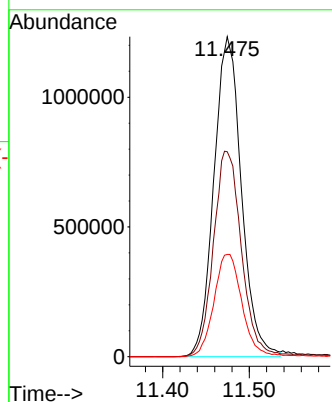
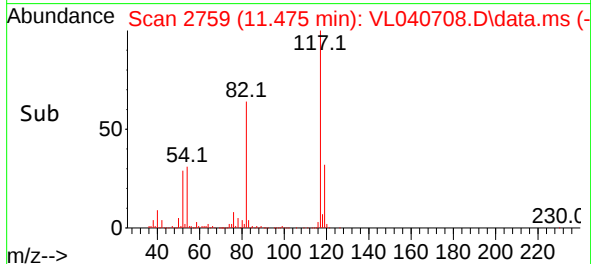
Instrument :
MSVOA_L
ClientSampleId :
29W-1DL



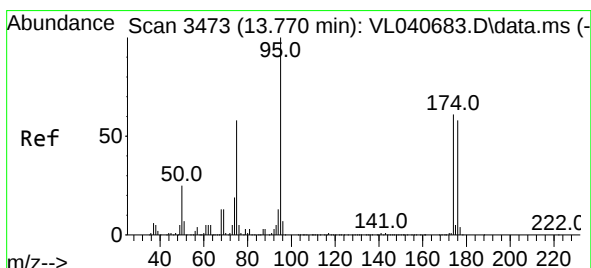
Tgt Ion: 117 Resp: 271922
Ion Ratio Lower Upper
117 100
82 65.8 51.4 77.0
119 33.1 24.7 37.1

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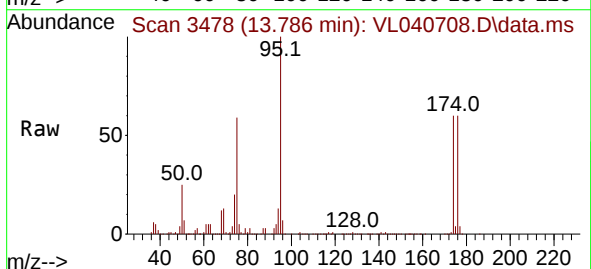
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



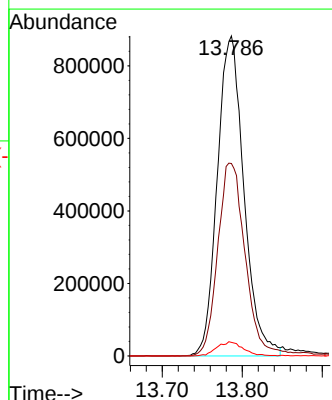
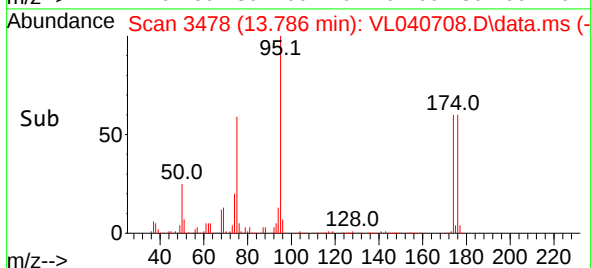
Supervised By :Mahesh
Dadoda
09/19/2023

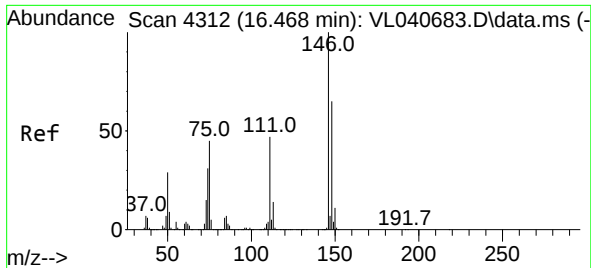


#68
1-Bromo-4-Fluorobenzene
Concen: 9.712 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.000 min
Lab File: VL040708.D
Acq: 18 Sep 2023 21:01



Tgt Ion: 95 Resp: 2040396
Ion Ratio Lower Upper
95 100
174 63.0 48.9 73.3
175 4.6 3.5 5.3





#76
 1,4-Dichlorobenzene
 Concen: 0.078 ppbv m
 RT: 16.490 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL040708.D
 Acq: 18 Sep 2023 21:01

Instrument :
 MSVOA_L
 ClientSampleId :
 29W-1DL

Tgt Ion:	146	Resp:	1501
Ion Ratio	Lower	Upper	
146	100		
111	52.9	23.8	71.2
148	67.2	32.6	97.7

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

Supervised By :Mahesh
 Dadoda
 09/19/2023

