

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040815.D
 Acq On : 8 Nov 2023 17:58
 Operator : SY/MD
 Sample : 05290-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: Nov 09 00:31:56 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

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	1224111	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	3059614	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	2642326	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1978036	10.174	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.768	85	31159	0.145	ppbv	92
11) Trichlorofluoromethane	3.594	101	26168	0.157	ppbv	85
12) 1,1,2-Trichlorotrifluo...	4.095	101	28431m	0.240	ppbv	
13) Ethanol	3.272	45	73416m	4.867	ppbv	
15) Acetone	3.501	43	460707m	3.641	ppbv	
19) Isopropyl Alcohol	3.607	45	64486m	0.792	ppbv	
20) Methylene Chloride	3.957	84	169918	3.223	ppbv	98
26) Hexane	5.227	57	163212	1.288	ppbv #	42
28) Methyl tert-Butyl Ether	4.610	73	25396	0.258	ppbv	94
29) Chloroform	5.288	83	29685	0.162	ppbv	89
34) 2-Butanone	4.803	43	1178924	8.513	ppbv	99
36) Benzene	6.382	78	25353m	0.108	ppbv	
51) 2-Hexanone	9.562	43	144920	0.804	ppbv #	99
53) Toluene	9.224	91	73610m	0.263	ppbv	
58) Ethyl Benzene	12.079	91	35653m	0.107	ppbv	
59) m/p-Xylene	12.333	91	97429m	0.356	ppbv	
60) o-Xylene	13.053	91	45379m	0.174	ppbv	
74) 1,2,4-Trimethylbenzene	16.095	105	49608m	0.169	ppbv	

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

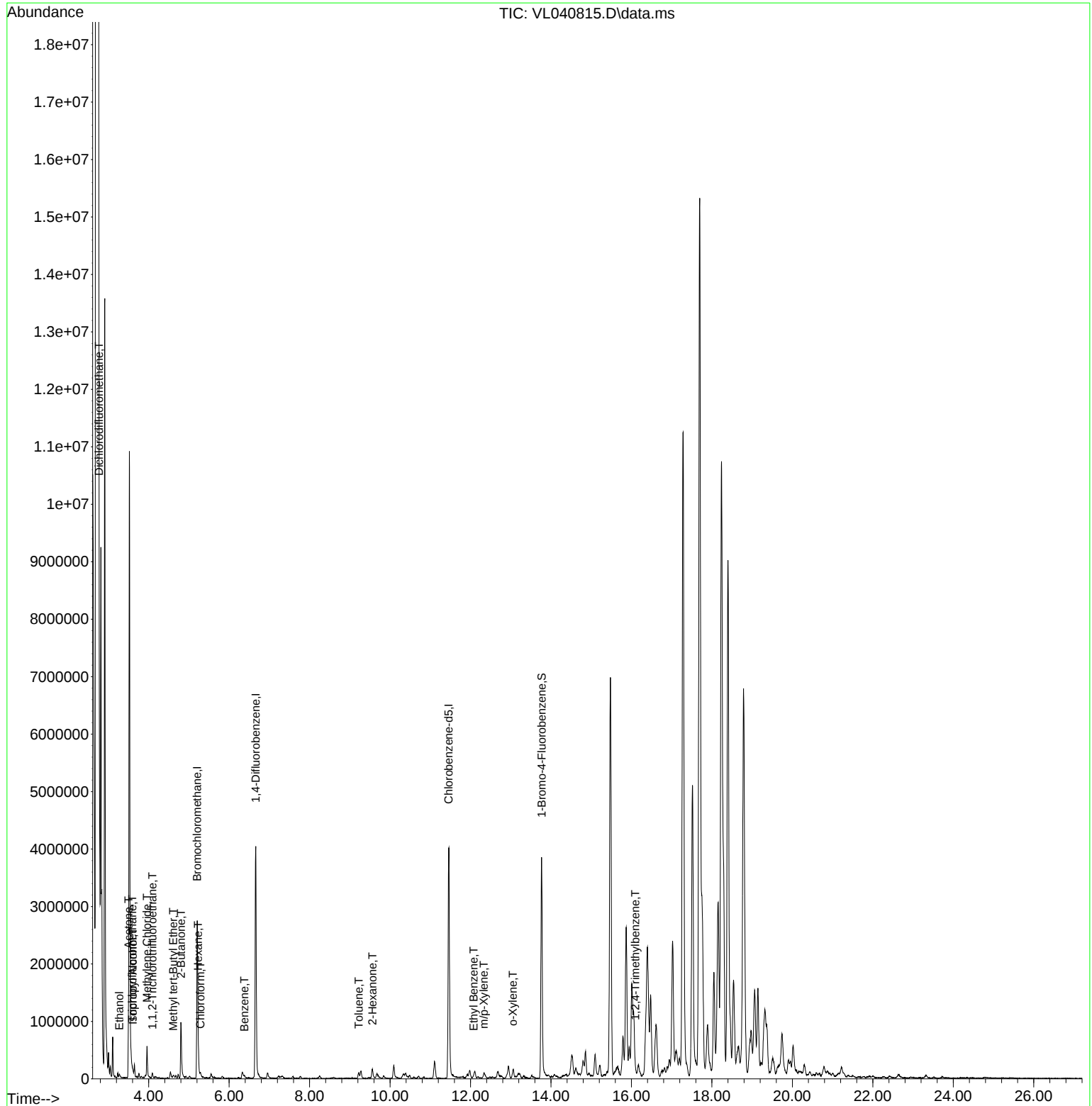
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
Data File : VL040815.D
Acq On : 8 Nov 2023 17:58
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

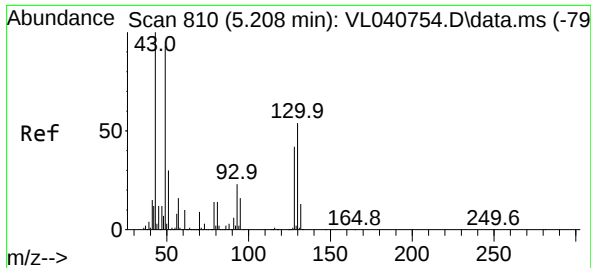
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Nov 09 00:31:56 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 Nov 09 00:25:02 2023
Response via : Initial Calibration

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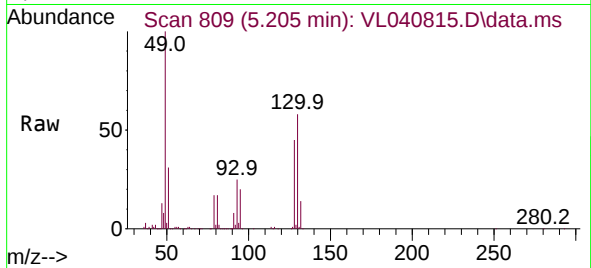
Reviewed By : Semsettin Yesilyurt 11/11/2023
Supervised By : Mahesh Dadoda 11/13/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

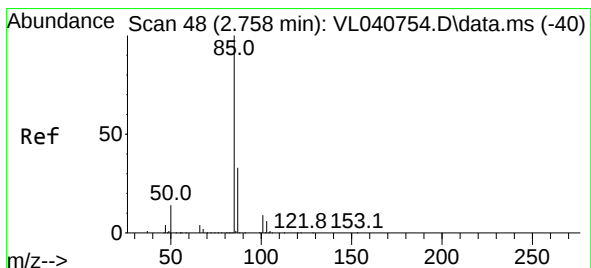
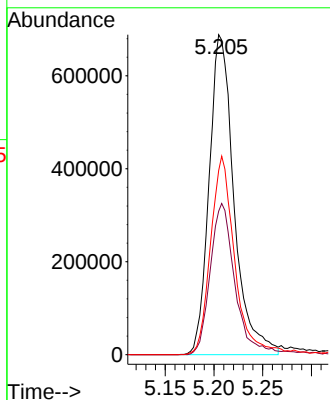
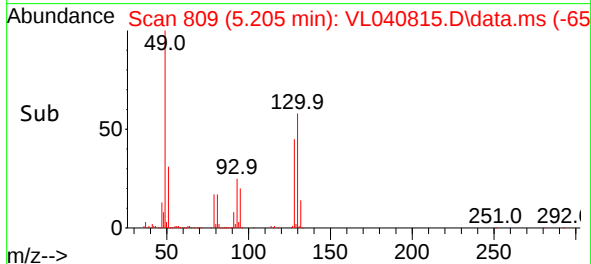
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 122411
Ion Ratio Lower Upper
49 100
128 48.1 23.9 71.7
130 62.1 30.7 92.1

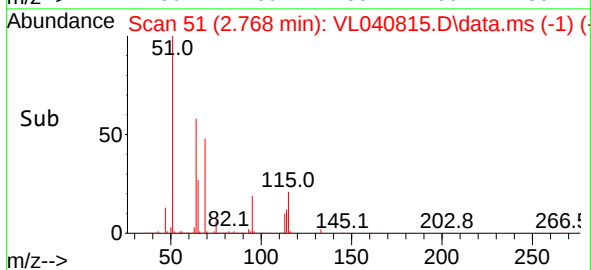
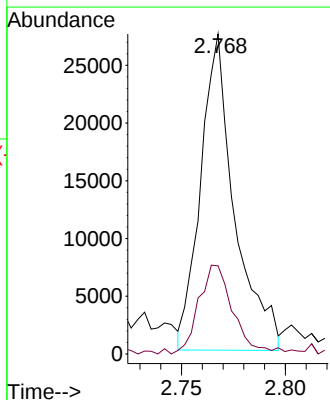
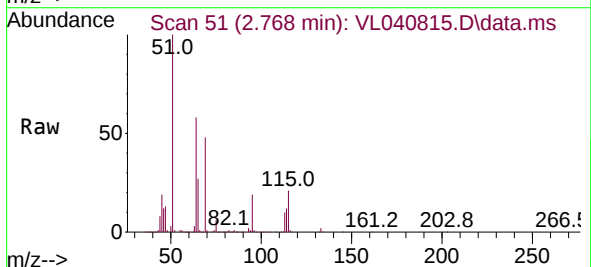
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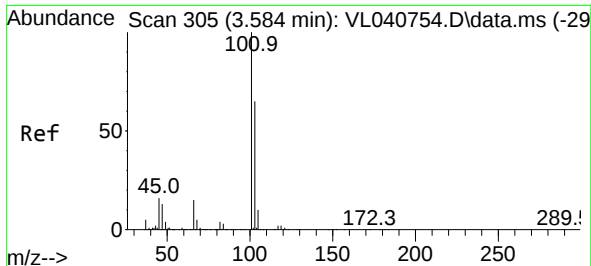
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#2
Dichlorodifluoromethane
Concen: 0.145 ppbv
RT: 2.768 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

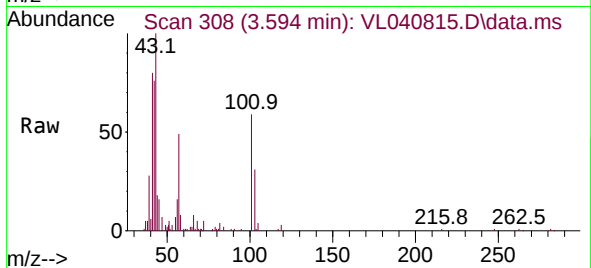
Tgt Ion: 85 Resp: 31159
Ion Ratio Lower Upper
85 100
87 28.0 26.0 39.0





#11
Trichlorofluoromethane
Concen: 0.157 ppbv
RT: 3.594 min Scan# 305
Delta R.T. 0.000 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

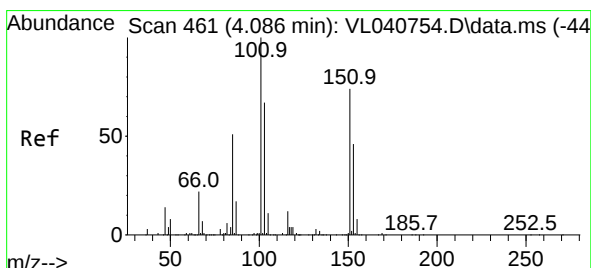
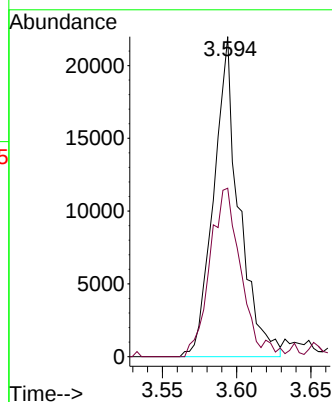
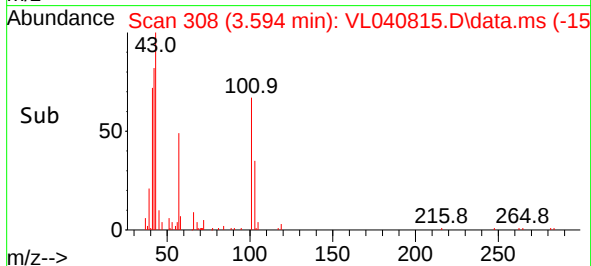
Instrument :
MSVOA_L
ClientSampleId :
SV1



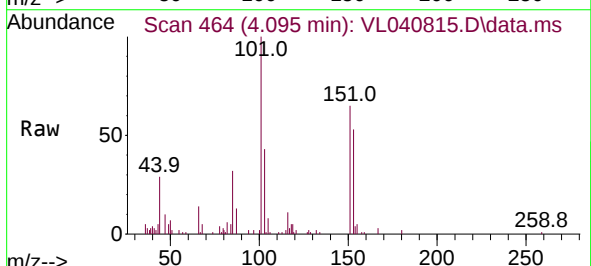
Tgt Ion:101 Resp: 26168
Ion Ratio Lower Upper
101 100
103 53.7 52.2 78.2

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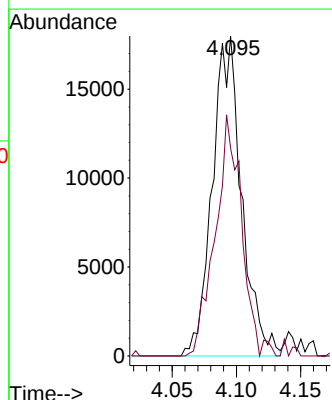
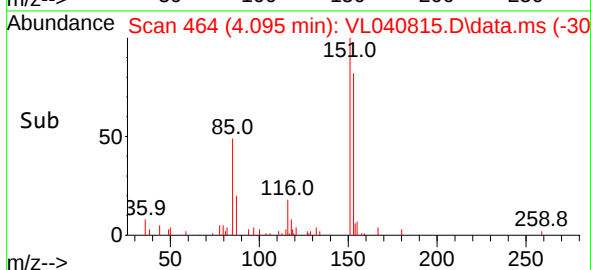
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

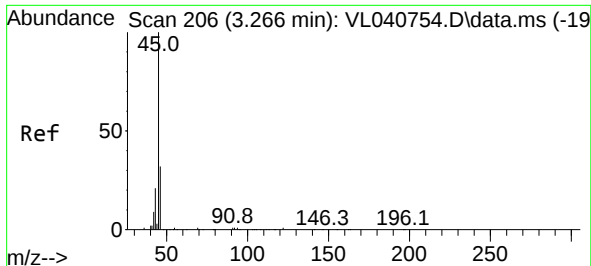


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.240 ppbv m
RT: 4.095 min Scan# 464
Delta R.T. 0.003 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58



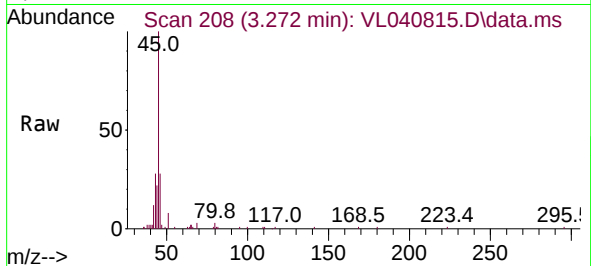
Tgt Ion:101 Resp: 28431
Ion Ratio Lower Upper
101 100
151 0.0 58.1 87.1#





#13
Ethanol
Concen: 4.867 ppbv m
RT: 3.272 min Scan# 206
Delta R.T. -0.006 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

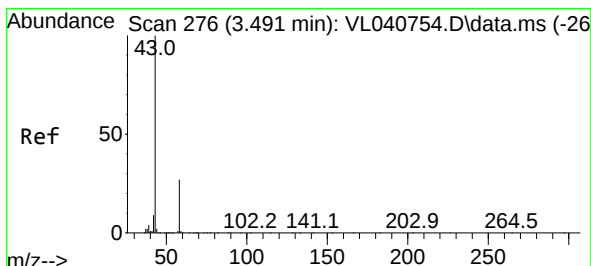
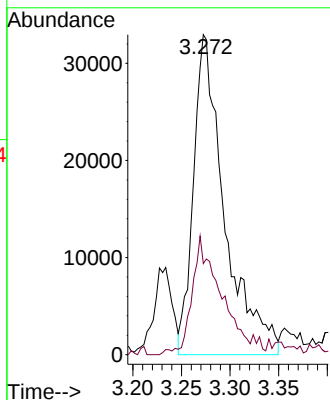
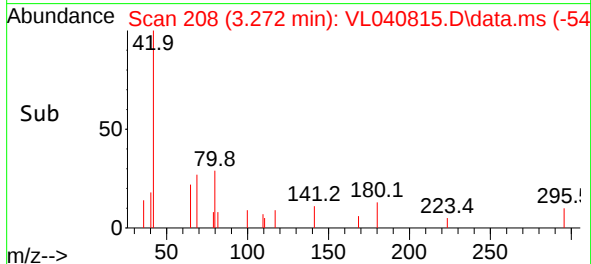
Instrument :
MSVOA_L
ClientSampleId :
SV1



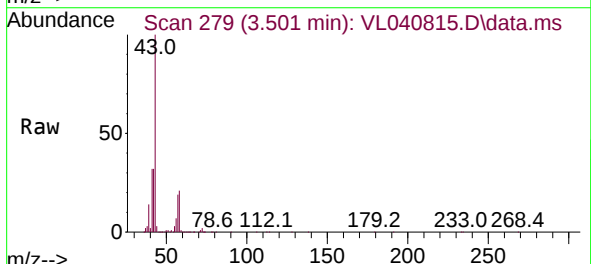
Tgt Ion: 45 Resp: 73410
Ion Ratio Lower Upper
45 100
46 35.6 14.6 58.2

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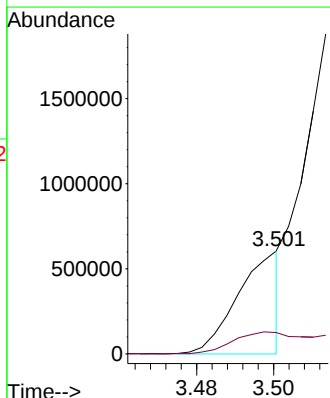
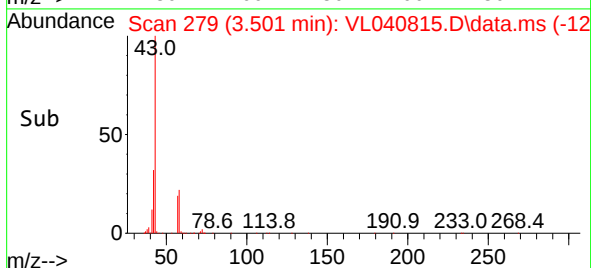
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

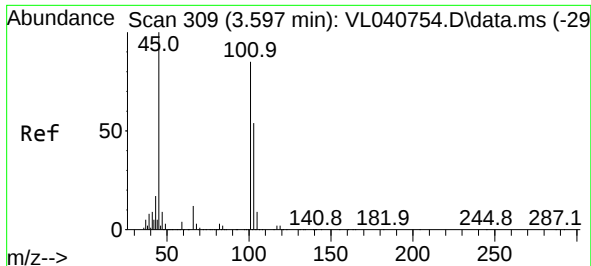


#15
Acetone
Concen: 3.641 ppbv m
RT: 3.501 min Scan# 279
Delta R.T. 0.000 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58



Tgt Ion: 43 Resp: 460707
Ion Ratio Lower Upper
43 100
58 72.8 21.6 32.4#





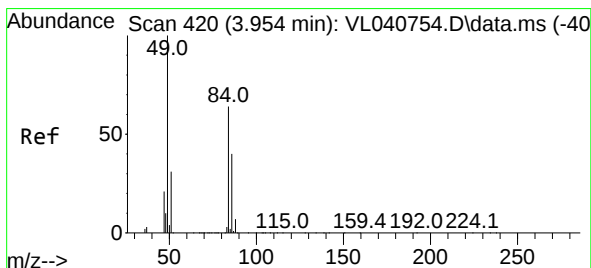
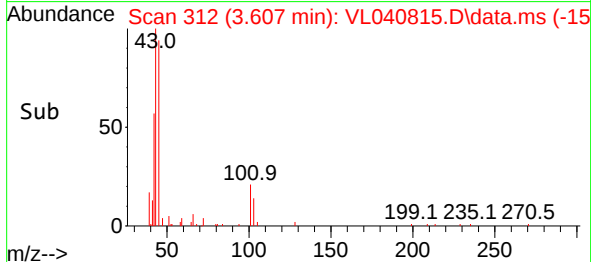
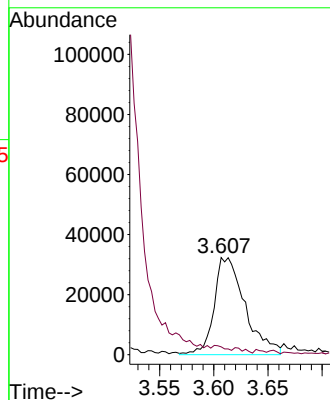
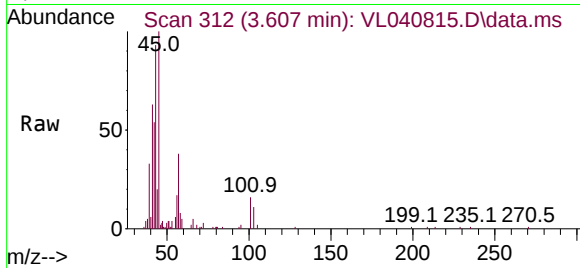
#19
Isopropyl Alcohol
Concen: 0.792 ppbv m
RT: 3.607 min Scan# 312
Delta R.T. 0.000 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 64480
Ion Ratio Lower Upper
45 100
58 0.0 30.3 45.5

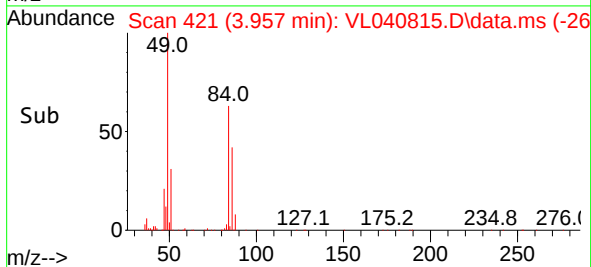
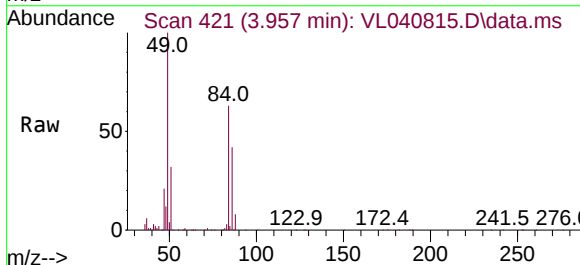
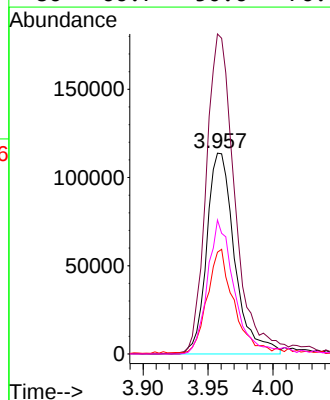
Manual Integrations
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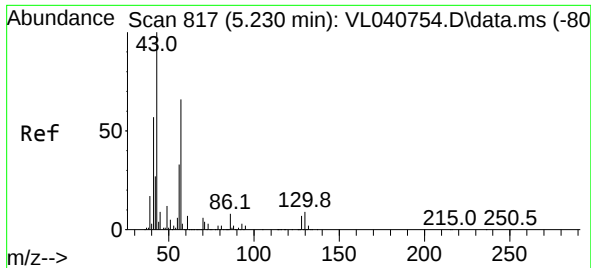
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#20
Methylene Chloride
Concen: 3.223 ppbv
RT: 3.957 min Scan# 421
Delta R.T. -0.003 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

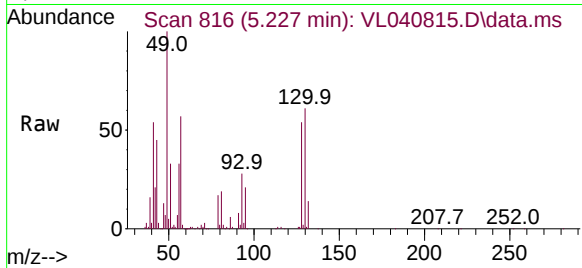
Tgt Ion: 84 Resp: 169918
Ion Ratio Lower Upper
84 100
49 158.1 125.6 188.4
51 50.0 38.9 58.3
86 66.7 50.6 76.0





#26
Hexane
Concen: 1.288 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.000 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

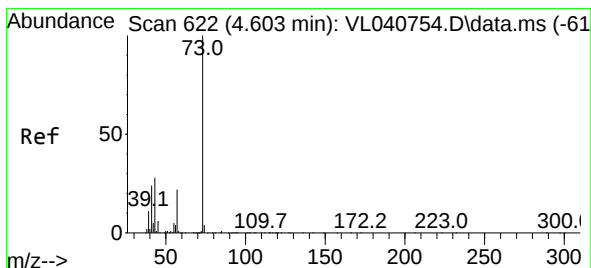
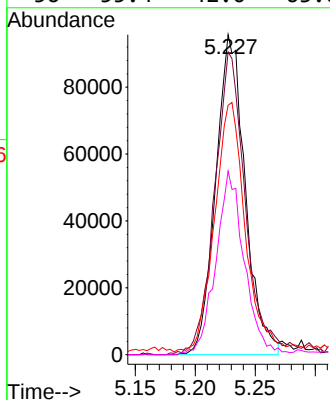
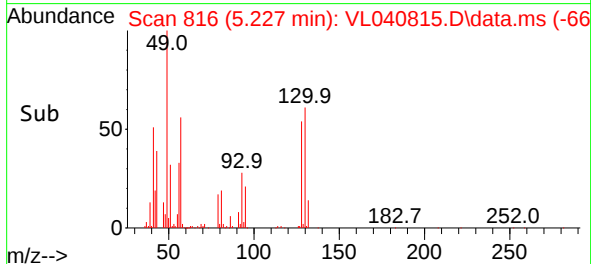
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 16321
Ion Ratio Lower Upper
57 100
41 102.3 71.4 107.2
43 84.1 182.3 273.5
56 55.4 42.0 63.0

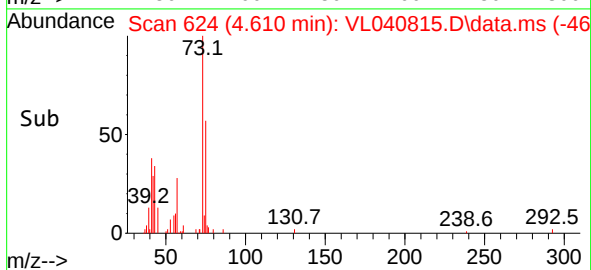
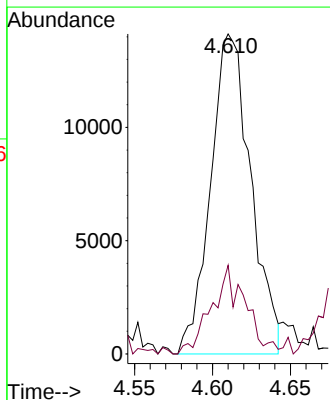
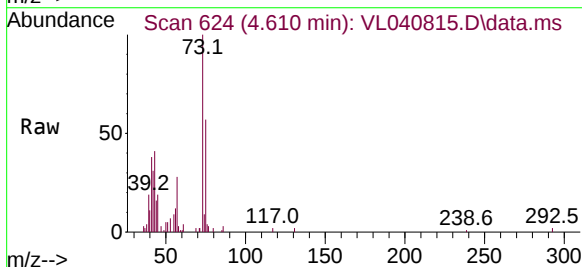
Manual Integrations
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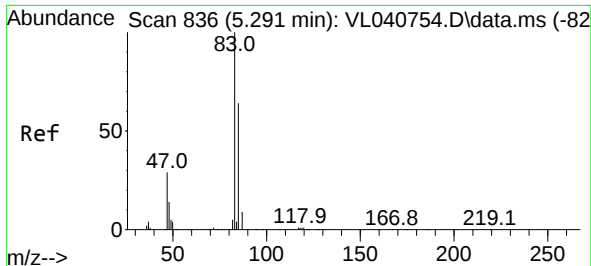
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#28
Methyl tert-Butyl Ether
Concen: 0.258 ppbv
RT: 4.610 min Scan# 624
Delta R.T. 0.000 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

Tgt Ion: 73 Resp: 25396
Ion Ratio Lower Upper
73 100
57 20.6 18.9 28.3





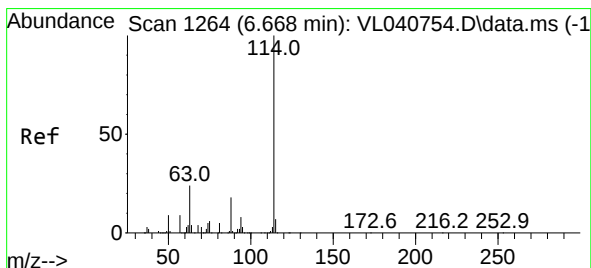
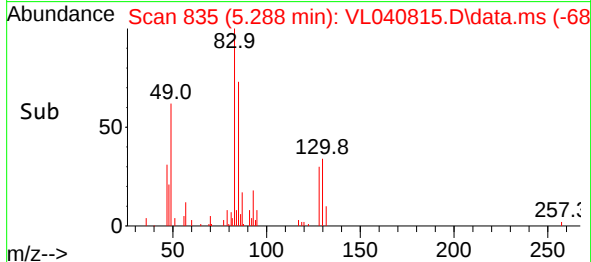
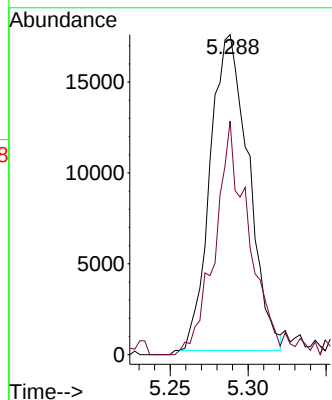
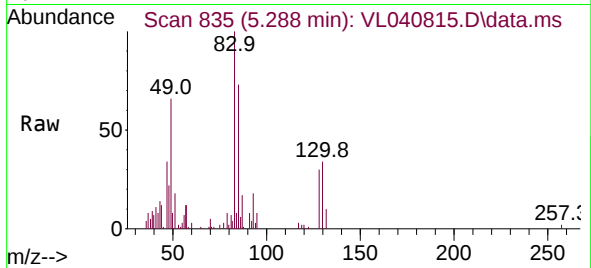
#29
Chloroform
Concen: 0.162 ppbv
RT: 5.288 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 83 Resp: 2968
Ion Ratio Lower Upper
83 100
85 72.6 51.3 76.9

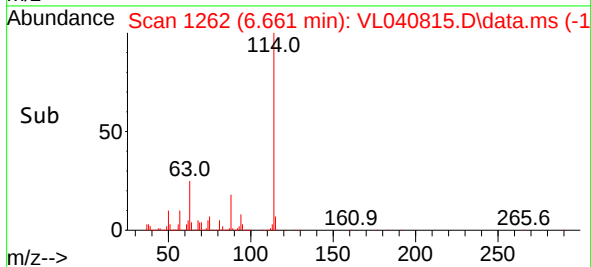
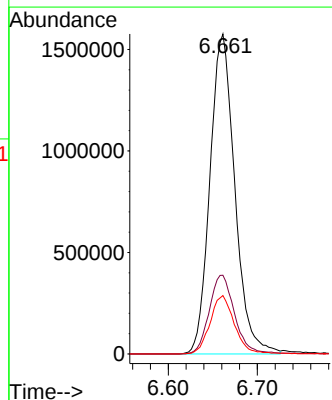
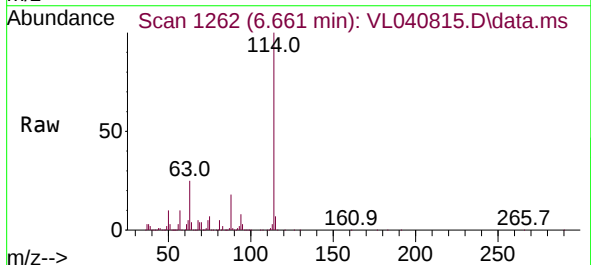
Manual Integrations
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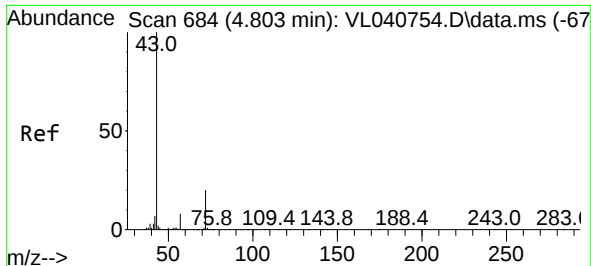
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. -0.003 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

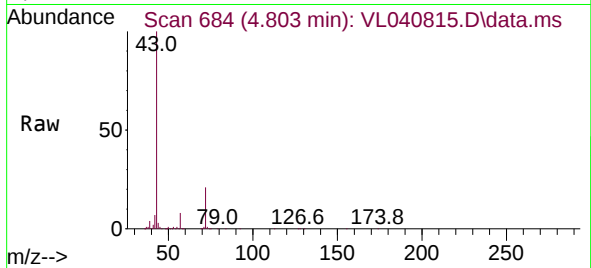
Tgt Ion:114 Resp: 3059614
Ion Ratio Lower Upper
114 100
63 25.3 19.8 29.6
88 18.0 14.2 21.2





#34
2-Butanone
Concen: 8.513 ppbv
RT: 4.803 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

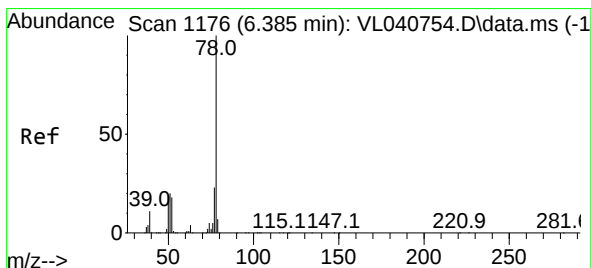
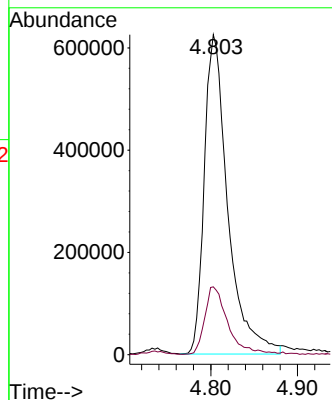
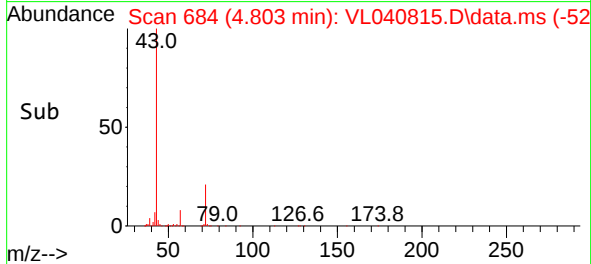
Instrument :
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ClientSampleId :
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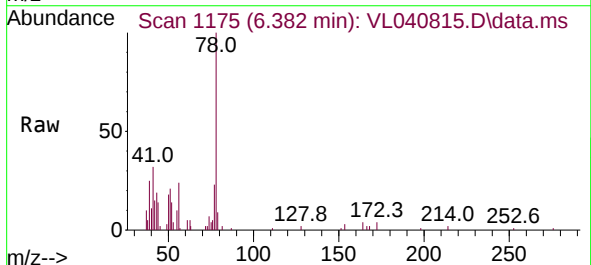
Tgt Ion: 43 Resp: 1178924
Ion Ratio Lower Upper
43 100
72 21.2 16.8 25.2

Manual Integrations
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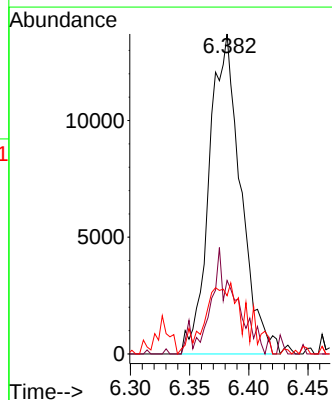
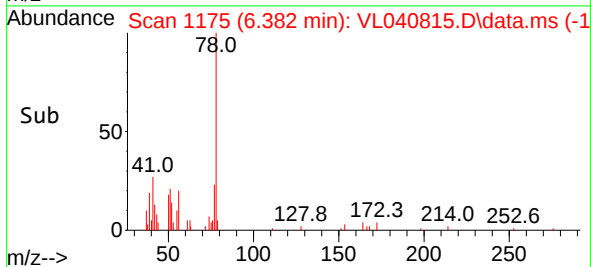
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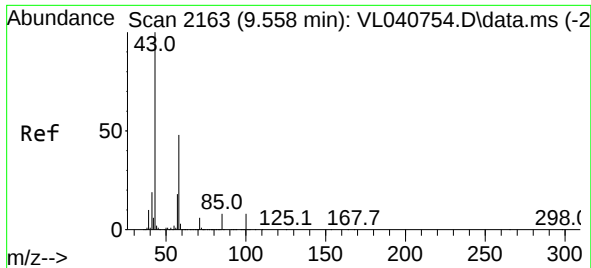


#36
Benzene
Concen: 0.108 ppbv m
RT: 6.382 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58



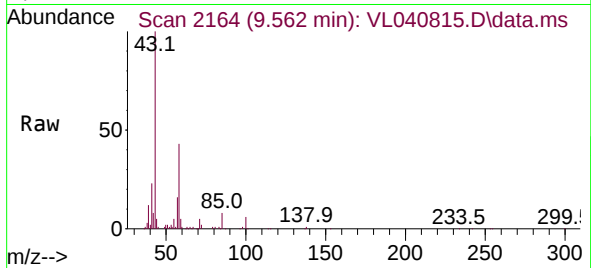
Tgt Ion: 78 Resp: 25353
Ion Ratio Lower Upper
78 100
77 22.9 18.4 27.6
50 18.2 15.0 22.4





#51
2-Hexanone
Concen: 0.804 ppbv
RT: 9.562 min Scan# 2163
Delta R.T. 0.013 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

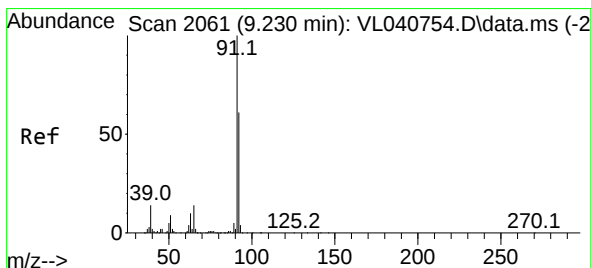
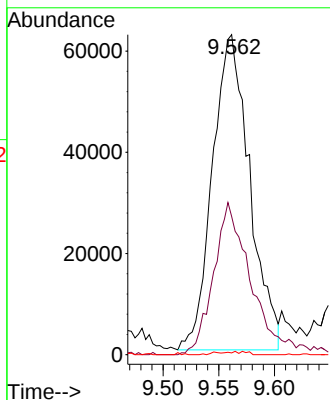
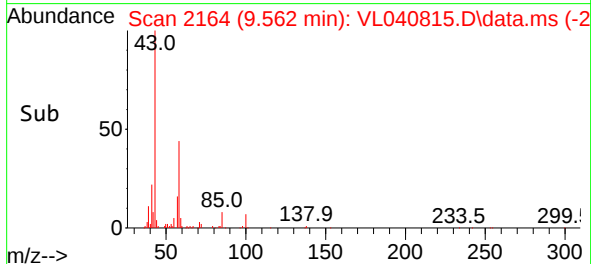
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 144920
Ion Ratio Lower Upper
43 100
58 49.2 38.6 58.0
98 0.8 0.0 0.0

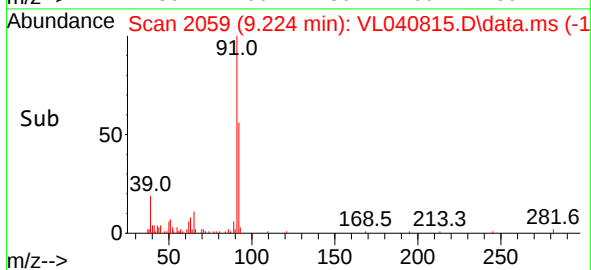
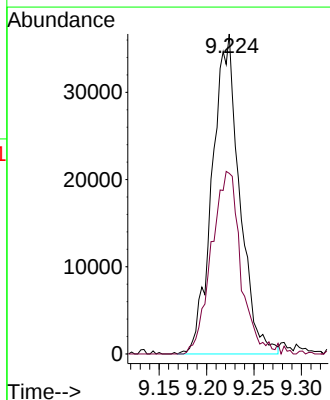
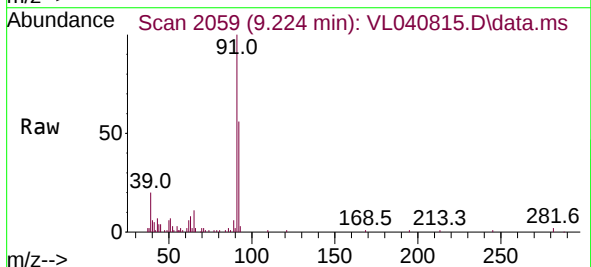
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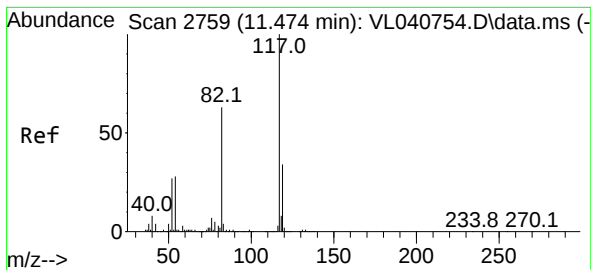
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#53
Toluene
Concen: 0.263 ppbv m
RT: 9.224 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

Tgt Ion: 91 Resp: 73610
Ion Ratio Lower Upper
91 100
92 0.0 50.2 75.2#





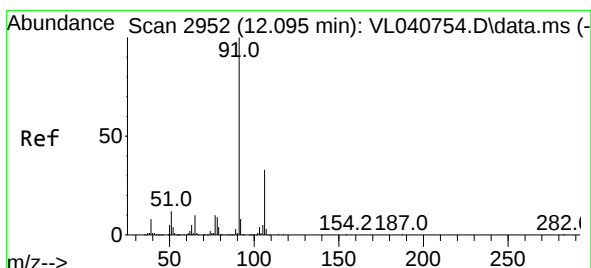
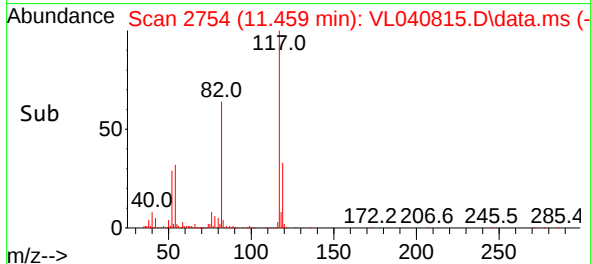
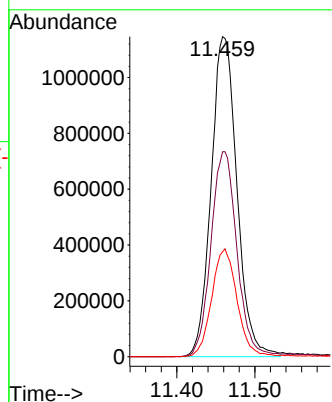
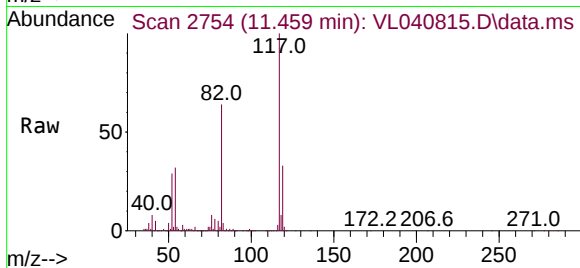
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.459 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:117 Resp: 2642320
Ion Ratio Lower Upper
117 100
82 65.6 46.6 70.0
119 33.4 26.0 39.0

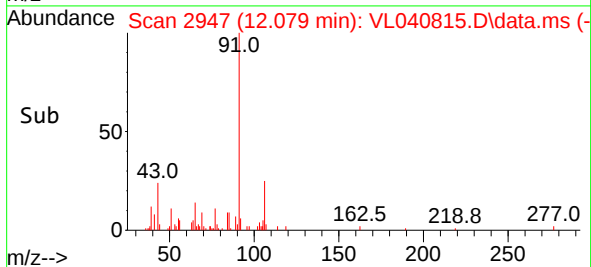
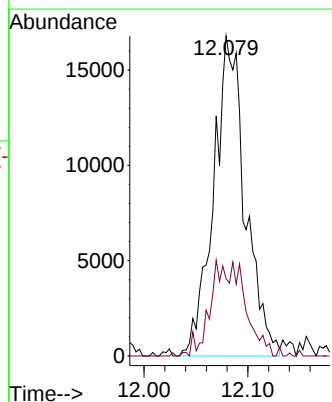
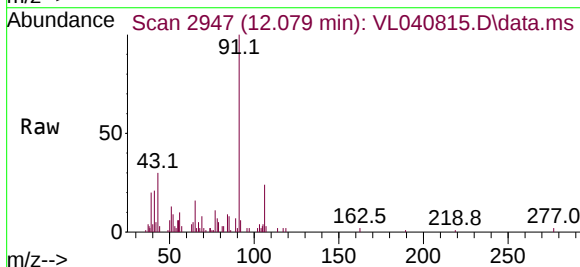
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APPROVED

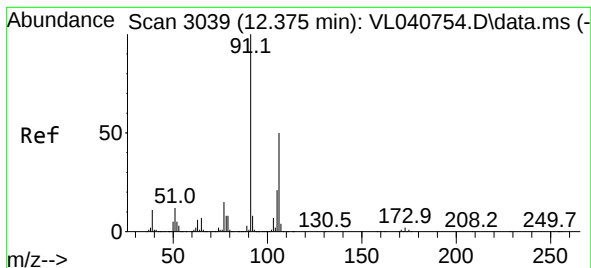
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#58
Ethyl Benzene
Concen: 0.107 ppbv m
RT: 12.079 min Scan# 2947
Delta R.T. -0.003 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

Tgt Ion: 91 Resp: 35653
Ion Ratio Lower Upper
91 100
106 24.2 26.7 40.1#





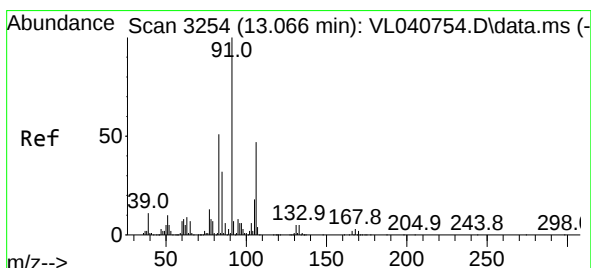
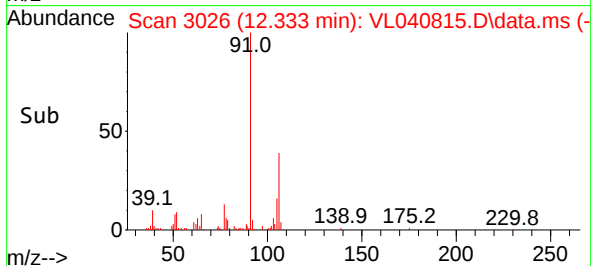
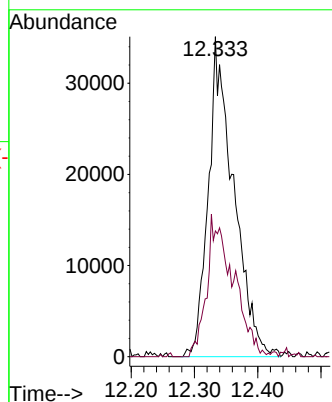
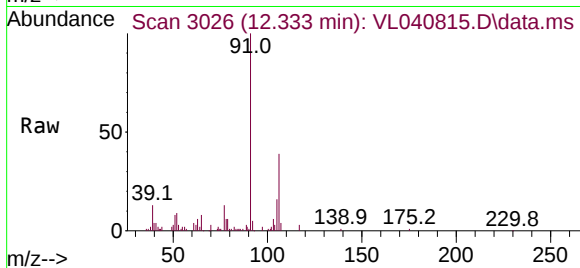
#59
m/p-Xylene
Concen: 0.356 ppbv m
RT: 12.333 min Scan# 3039
Delta R.T. -0.035 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 97429
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5

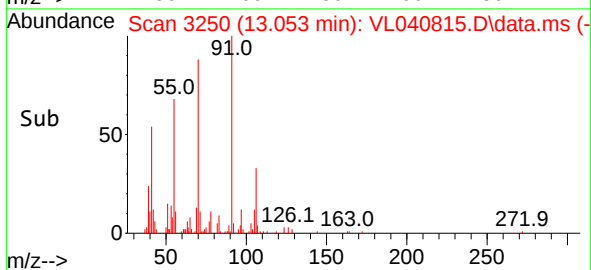
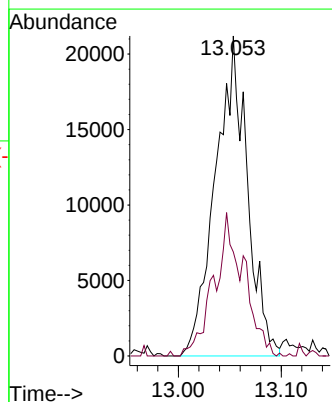
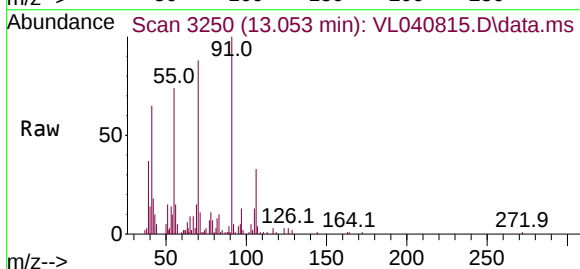
Manual Integrations
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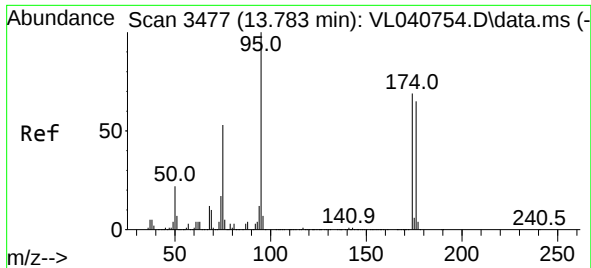
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#60
o-Xylene
Concen: 0.174 ppbv m
RT: 13.053 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

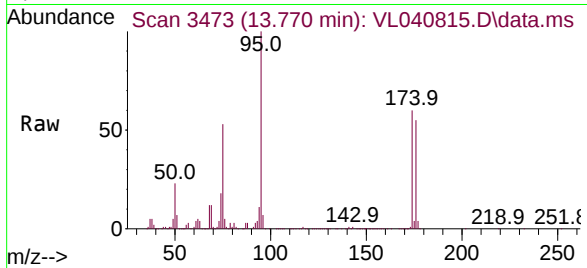
Tgt Ion: 91 Resp: 45379
Ion Ratio Lower Upper
91 100
106 42.2 23.5 70.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.174 ppbv
RT: 13.770 min Scan# 3477
Delta R.T. 0.000 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58

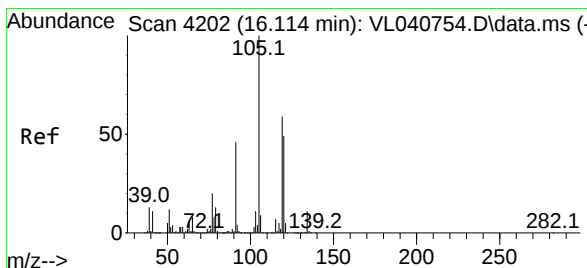
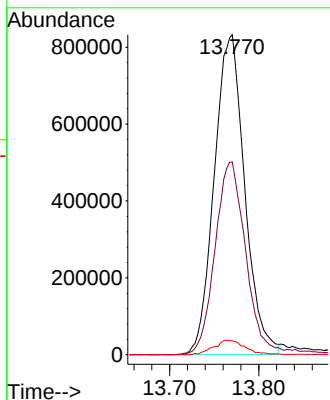
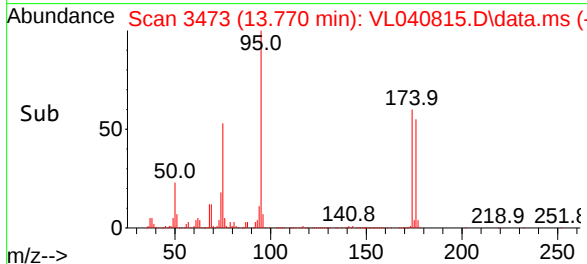
Instrument :
MSVOA_L
ClientSampleId :
SV1



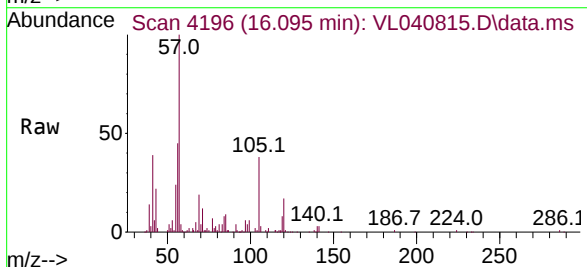
Tgt Ion: 95 Resp: 197803
Ion Ratio Lower Upper
95 100
174 62.5 54.7 82.1
175 4.7 4.2 6.4

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.169 ppbv m
RT: 16.095 min Scan# 4196
Delta R.T. -0.006 min
Lab File: VL040815.D
Acq: 8 Nov 2023 17:58



Tgt Ion:105 Resp: 49608
Ion Ratio Lower Upper
105 100
120 45.7 39.4 59.2
91 11.5 38.6 58.0#
77 19.3 16.6 25.0

