

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122223\
 Data File : VL040956.D
 Acq On : 22 Dec 2023 12:07
 Operator : SY/MD
 Sample : 05813-04RE
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10492RE

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2023
 Supervised By :Mahesh Dadoda 12/26/2023

Quant Time: Dec 23 01:20:22 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Fri Dec 22 23:57:16 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1040945	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2676804	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.433	117	2261040	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	1644865	9.876	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.768	85	94822	0.478	ppbv	94
3) Chlorodifluoromethane	2.694	51	332478	2.122	ppbv #	64
4) Chloromethane	2.851	50	28457	0.493	ppbv #	84
9) Propene	2.742	41	67753m	1.311	ppbv	
11) Trichlorofluoromethane	3.584	101	35354	0.228	ppbv #	75
13) Ethanol	3.263	45	171859	13.180	ppbv	94
15) Acetone	3.494	43	1105163	8.852	ppbv	99
19) Isopropyl Alcohol	3.597	45	2979050	45.730	ppbv #	99
20) Methylene Chloride	3.951	84	285727	6.421	ppbv	94
22) trans-1,2-Dichloroethene	4.459	96	5409	0.095	ppbv #	68
25) Ethyl Acetate	5.214	43	203310	0.940	ppbv #	81
26) Hexane	5.214	57	260740	2.720	ppbv #	42
34) 2-Butanone	4.796	43	29503m	0.208	ppbv	
35) Carbon Tetrachloride	6.481	117	11791m	0.070	ppbv	
36) Benzene	6.362	78	40289m	0.193	ppbv	
52) Tetrachloroethene	10.581	164	4310m	0.061	ppbv	
53) Toluene	9.198	91	129803	0.559	ppbv	98
58) Ethyl Benzene	12.060	91	30942m	0.107	ppbv	
59) m/p-Xylene	12.311	91	68814m	0.279	ppbv	
60) o-Xylene	13.021	91	23271m	0.100	ppbv	
74) 1,2,4-Trimethylbenzene	16.082	105	40903m	0.167	ppbv	

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

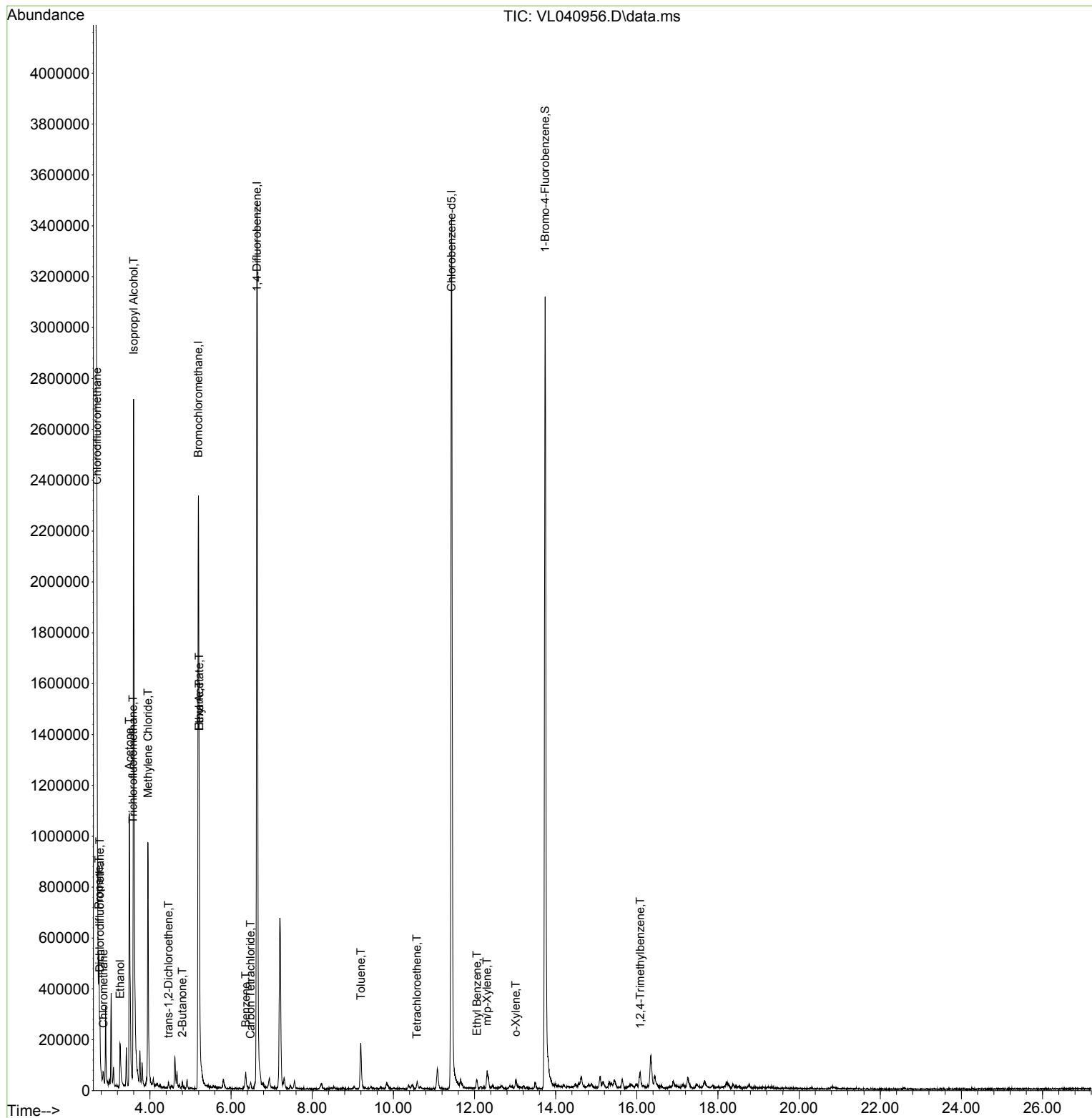
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122223\
Data File : VL040956.D
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Misc : 400mL/MSVOA_L
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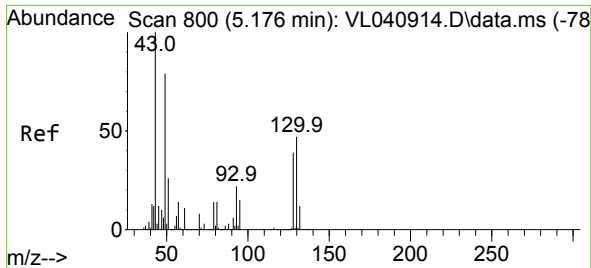
Instrument :
MSVOA_L
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10492RE

Quant Time: Dec 23 01:20:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Dec 22 23:57:16 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

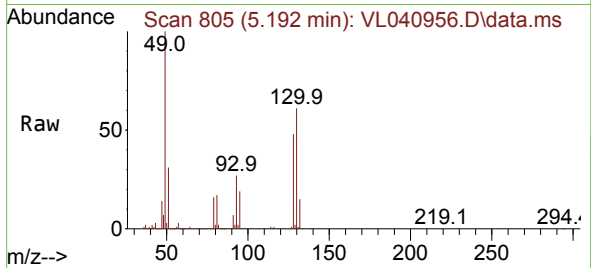
Reviewed By : Semsettin Yesilyurt 12/23/2023
Supervised By : Mahesh Dadoda 12/26/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

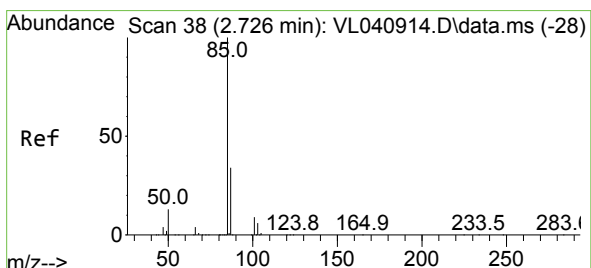
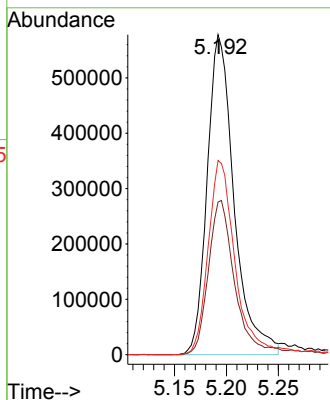
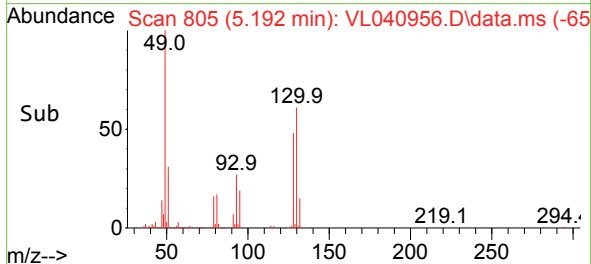
Instrument :
MSVOA_L
ClientSampleId :
10492RE



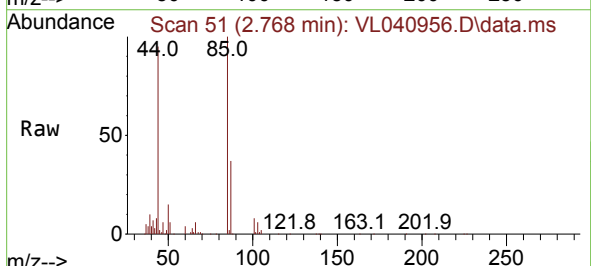
Tgt Ion: 49 Resp: 104094
Ion Ratio Lower Upper
49 100
128 49.1 23.8 71.2
130 63.6 30.1 90.5

Manual Integrations
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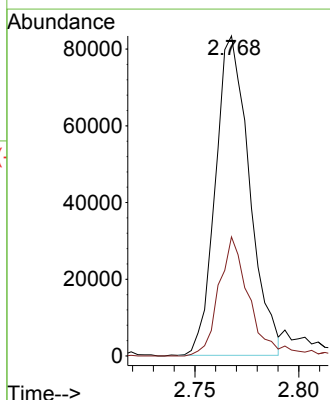
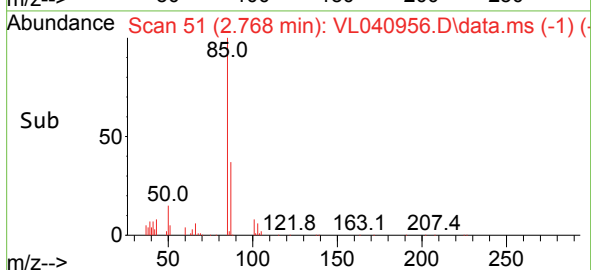
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

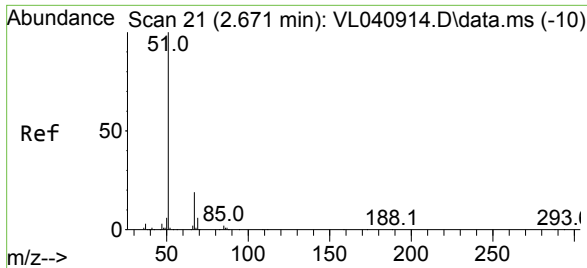


#2
Dichlorodifluoromethane
Concen: 0.478 ppbv
RT: 2.768 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07



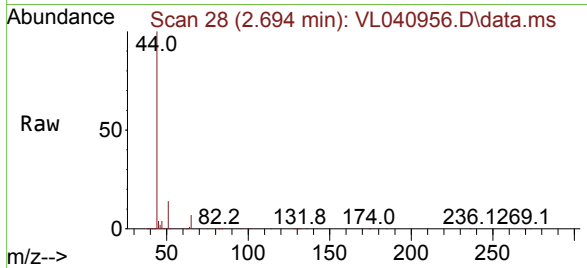
Tgt Ion: 85 Resp: 94822
Ion Ratio Lower Upper
85 100
87 37.3 27.0 40.6





#3
Chlorodifluoromethane
Concen: 2.122 ppbv
RT: 2.694 min Scan# 21
Delta R.T. -0.022 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

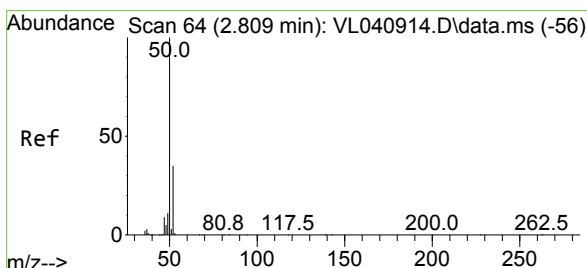
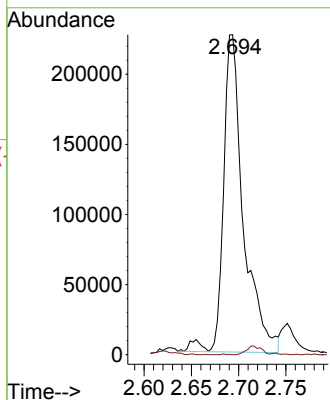
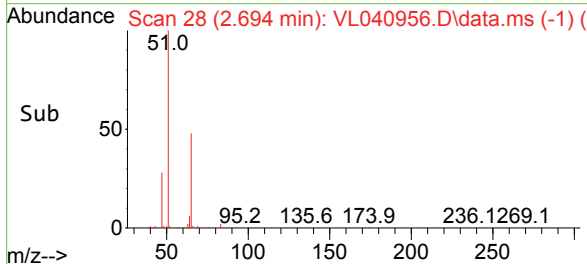
Instrument :
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ClientSampleId :
10492RE



Tgt Ion: 51 Resp: 332478
Ion Ratio Lower Upper
51 100
67 2.4 14.7 22.1

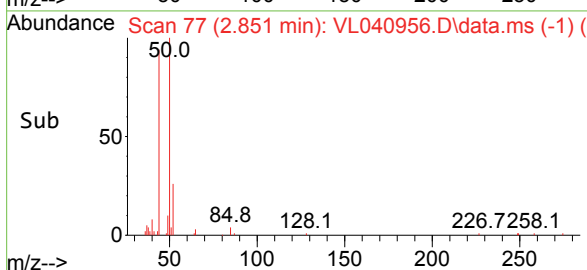
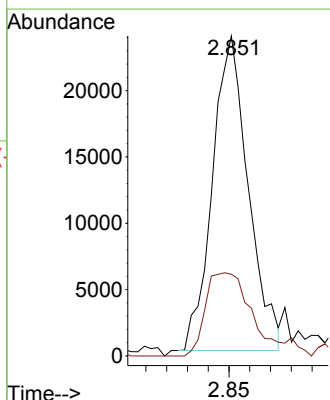
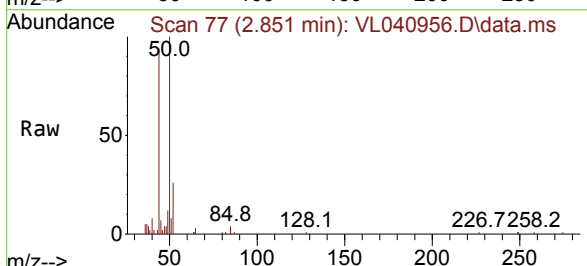
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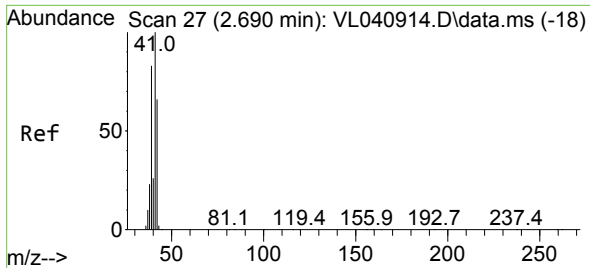
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#4
Chloromethane
Concen: 0.493 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.003 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

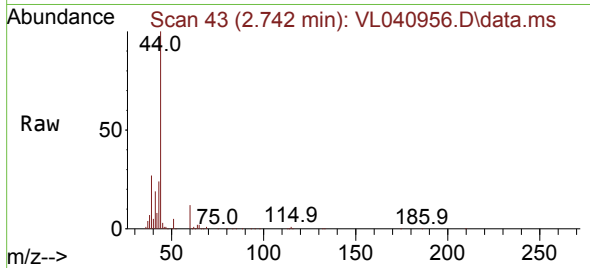
Tgt Ion: 50 Resp: 28457
Ion Ratio Lower Upper
50 100
52 26.0 28.0 42.0





#9
 Propene
 Concen: 1.311 ppbv m
 RT: 2.742 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040956.D
 Acq: 22 Dec 2023 12:07

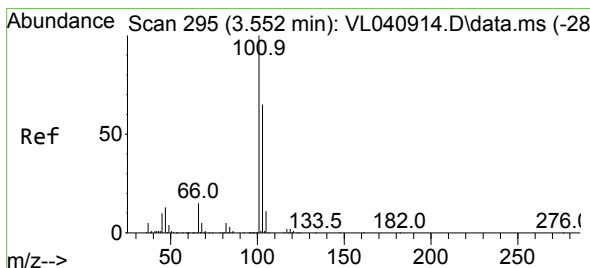
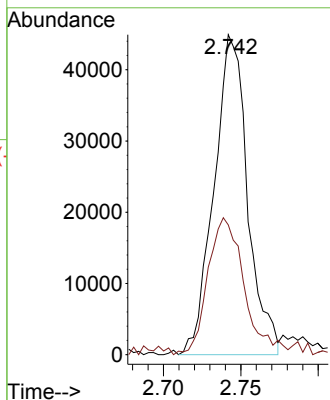
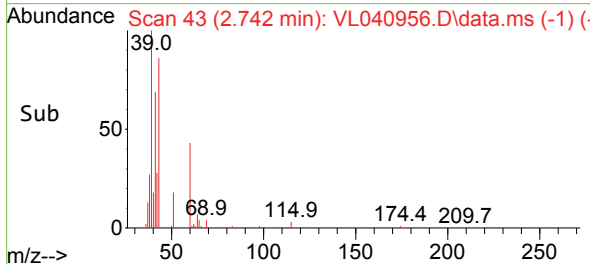
Instrument :
 MSVOA_L
 ClientSampleId :
 10492RE



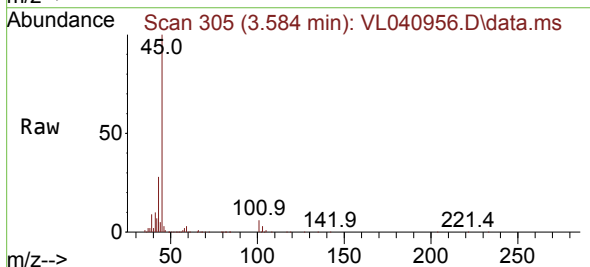
Tgt Ion: 41 Resp: 6775
 Ion Ratio Lower Upper
 41 100
 42 81.8 55.8 83.6

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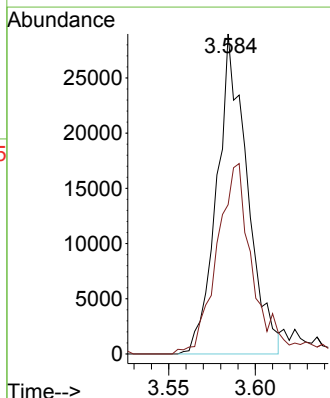
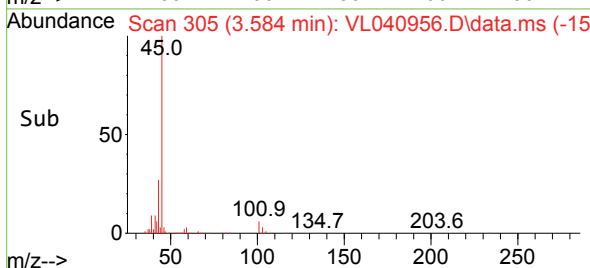
Reviewed By :Semsettin Yesilyurt 12/23/2023
 Supervised By :Mahesh Dadoda 12/26/2023

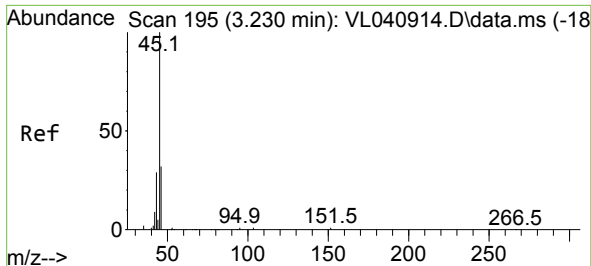


#11
 Trichlorofluoromethane
 Concen: 0.228 ppbv
 RT: 3.584 min Scan# 305
 Delta R.T. -0.003 min
 Lab File: VL040956.D
 Acq: 22 Dec 2023 12:07



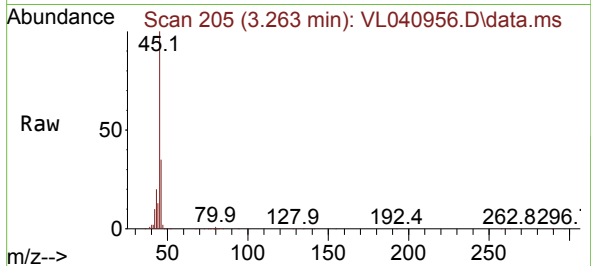
Tgt Ion:101 Resp: 35354
 Ion Ratio Lower Upper
 101 100
 103 45.2 51.9 77.9#





#13
Ethanol
Concen: 13.180 ppbv
RT: 3.263 min Scan# 205
Delta R.T. -0.006 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

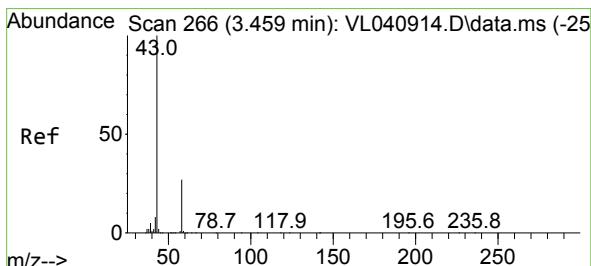
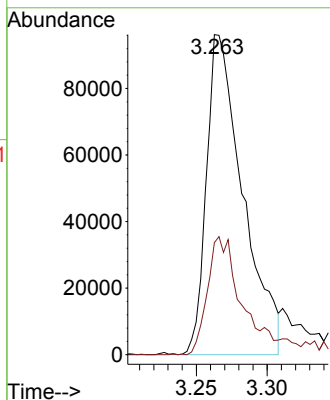
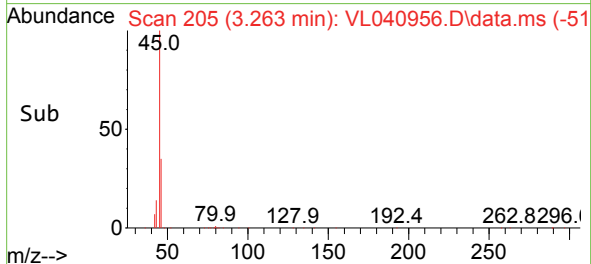
Instrument :
MSVOA_L
ClientSampleId :
10492RE



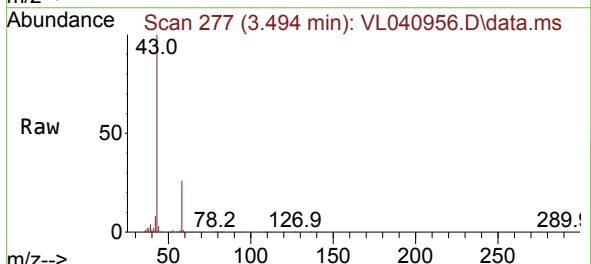
Tgt Ion: 45 Resp: 171859
Ion Ratio Lower Upper
45 100
46 41.1 15.0 60.0

Manual Integrations
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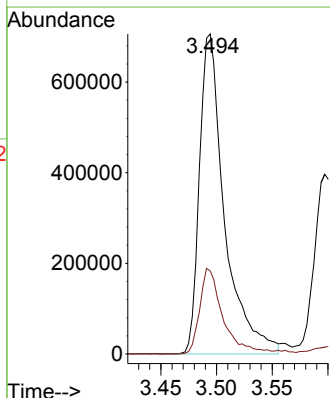
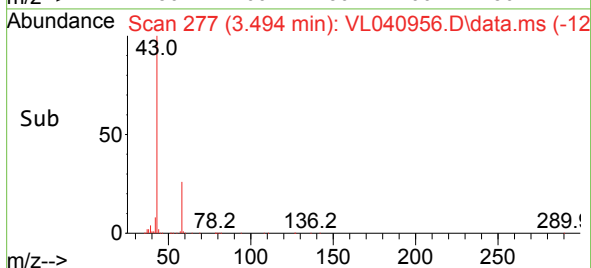
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

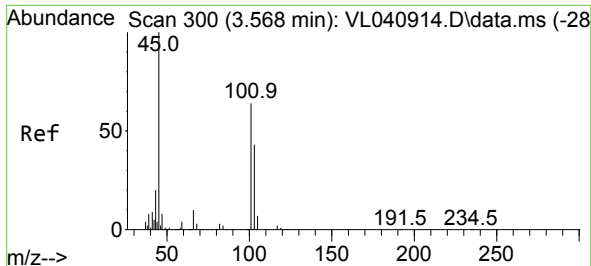


#15
Acetone
Concen: 8.852 ppbv
RT: 3.494 min Scan# 277
Delta R.T. 0.000 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07



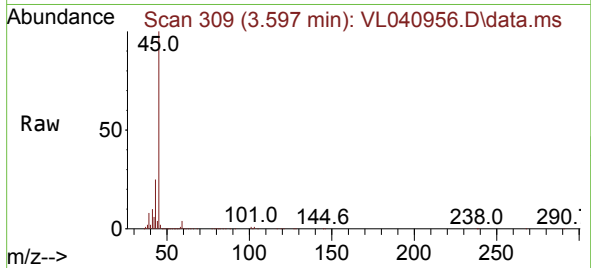
Tgt Ion: 43 Resp: 1105163
Ion Ratio Lower Upper
43 100
58 25.3 20.6 30.8





#19
Isopropyl Alcohol
Concen: 45.730 ppbv
RT: 3.597 min Scan# 300
Delta R.T. -0.003 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

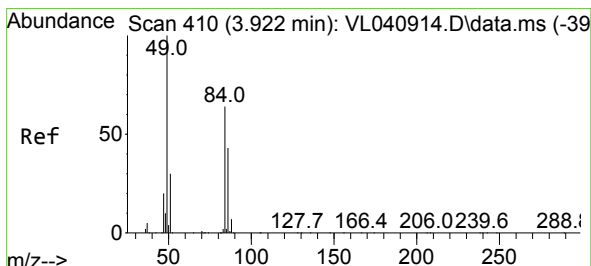
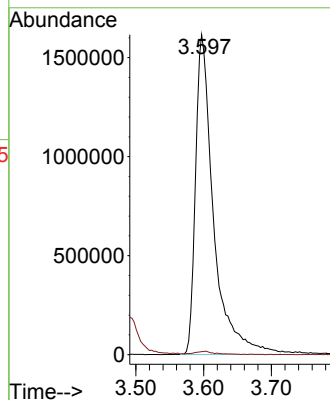
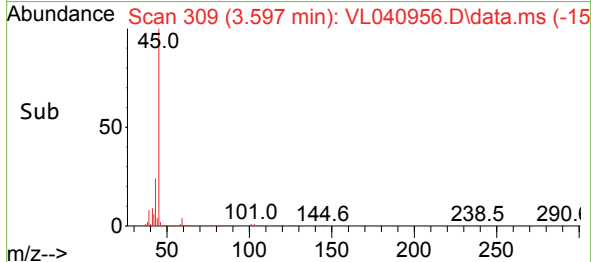
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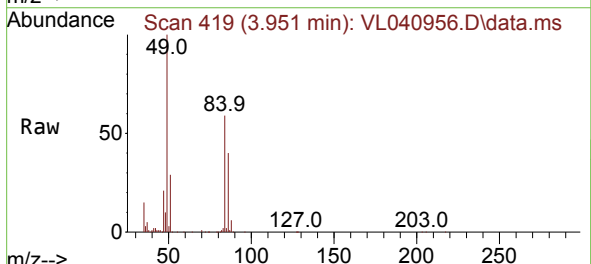
Tgt Ion: 45 Resp: 2979050
Ion Ratio Lower Upper
45 100
58 1.5 1.5 2.3

Manual Integrations
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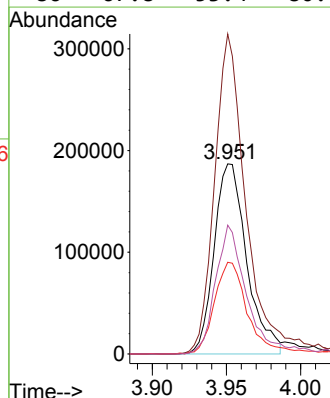
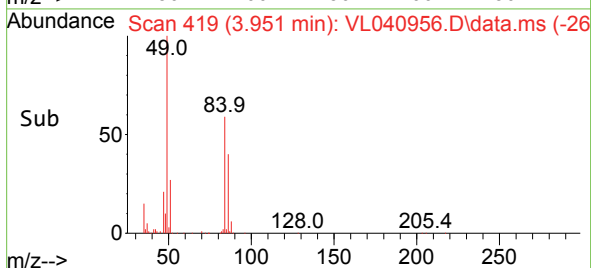
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

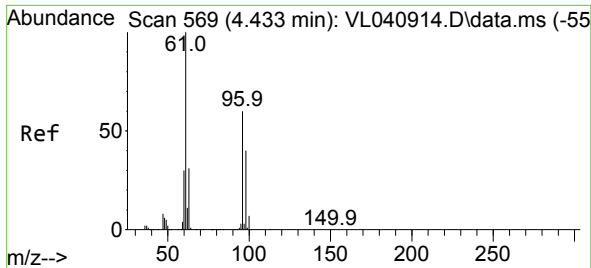


#20
Methylene Chloride
Concen: 6.421 ppbv
RT: 3.951 min Scan# 419
Delta R.T. 0.000 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07



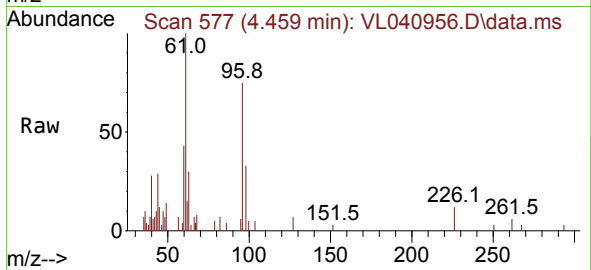
Tgt Ion: 84 Resp: 285727
Ion Ratio Lower Upper
84 100
49 168.1 124.6 187.0
51 47.8 37.2 55.8
86 67.8 53.4 80.0





#22
trans-1,2-Dichloroethene
Concen: 0.095 ppbv
RT: 4.459 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

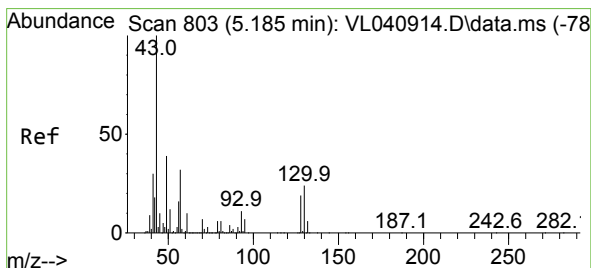
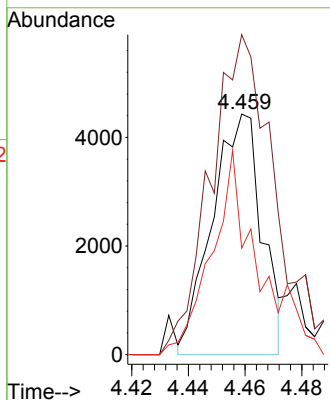
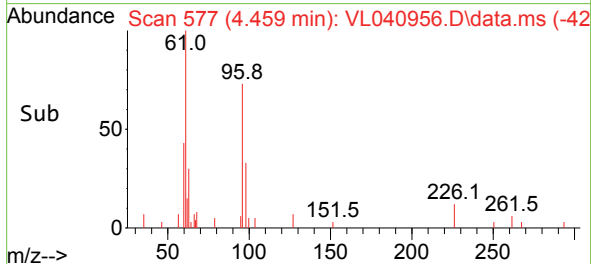
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Tgt Ion: 96 Resp: 5409
Ion Ratio Lower Upper
96 100
61 124.0 133.0 199.6
98 40.8 53.7 80.5

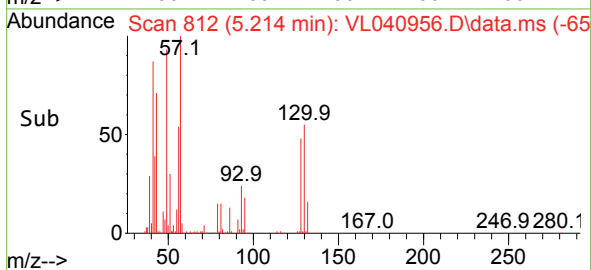
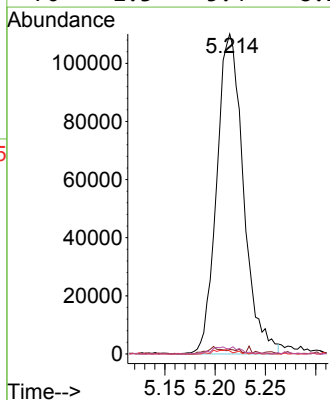
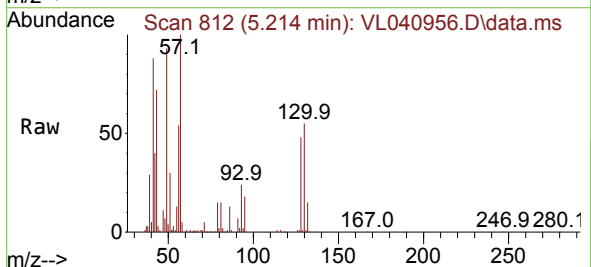
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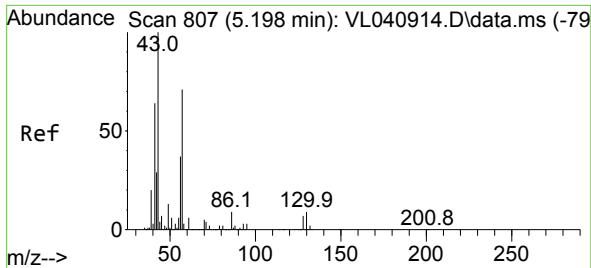
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#25
Ethyl Acetate
Concen: 0.940 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.010 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

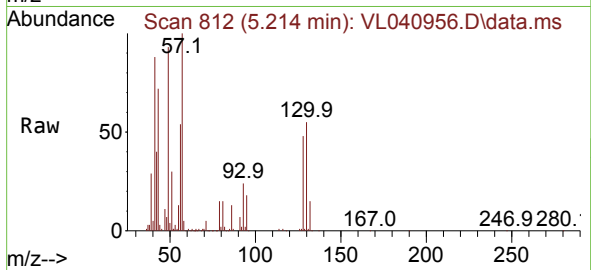
Tgt Ion: 43 Resp: 203310
Ion Ratio Lower Upper
43 100
45 2.8 8.2 12.2#
61 1.1 7.6 11.4#
70 2.3 5.4 8.2#





#26
Hexane
Concen: 2.720 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.000 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

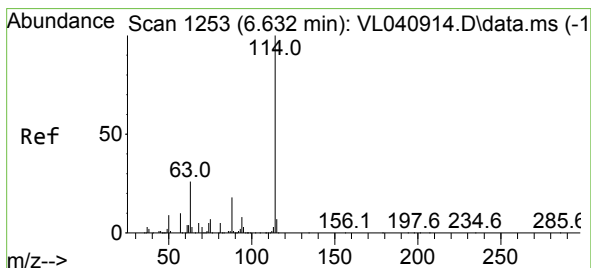
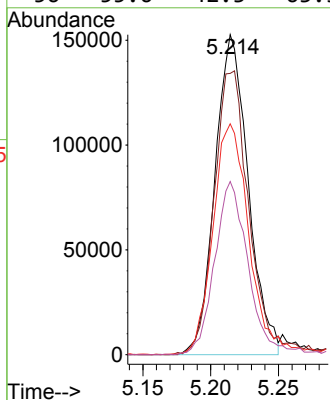
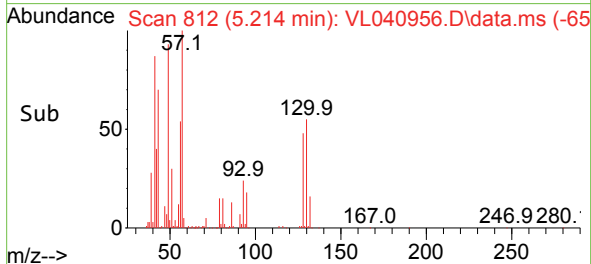
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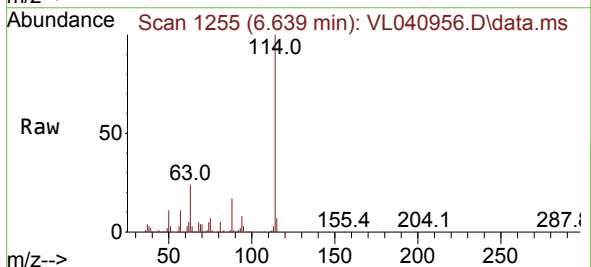
Tgt Ion: 57 Resp: 260740
Ion Ratio Lower Upper
57 100
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43 80.1 188.0 282.0
56 55.6 42.3 63.5

Manual Integrations
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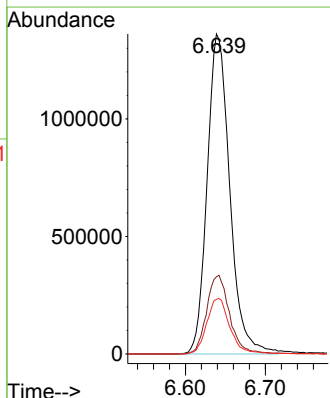
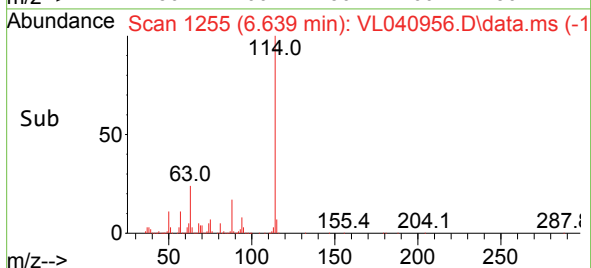
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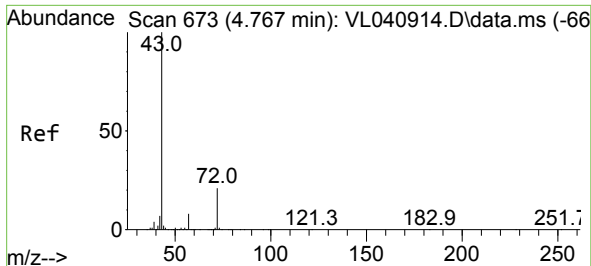


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.003 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07



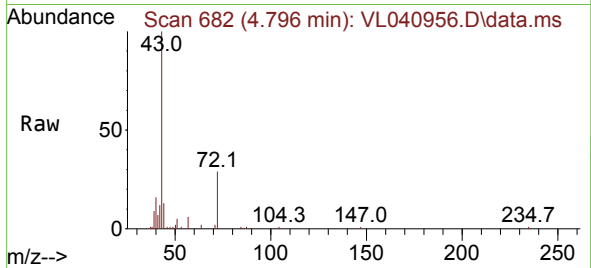
Tgt Ion:114 Resp: 2676804
Ion Ratio Lower Upper
114 100
63 25.1 21.0 31.6
88 17.7 14.3 21.5





#34
2-Butanone
Concen: 0.208 ppbv m
RT: 4.796 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

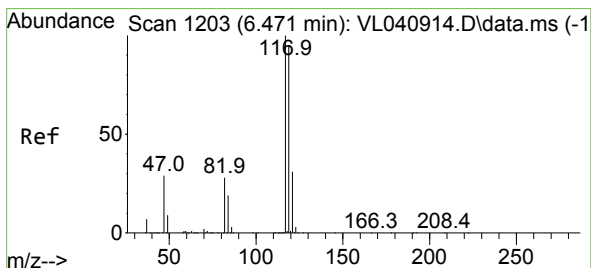
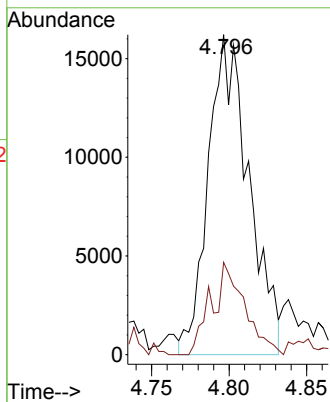
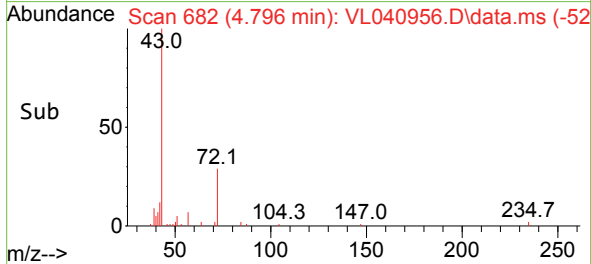
Instrument :
MSVOA_L
ClientSampleId :
10492RE



Tgt Ion: 43 Resp: 2950
Ion Ratio Lower Upper
43 100
72 23.7 17.2 25.8

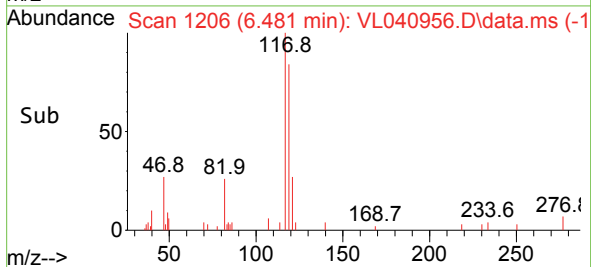
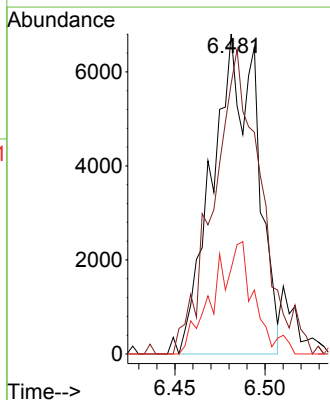
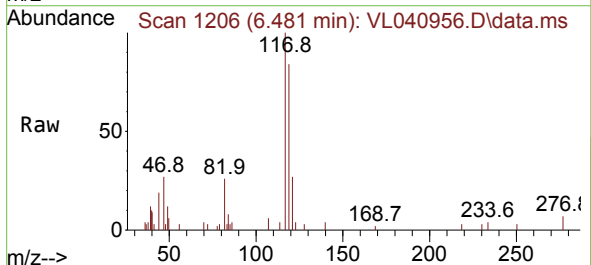
Manual Integrations
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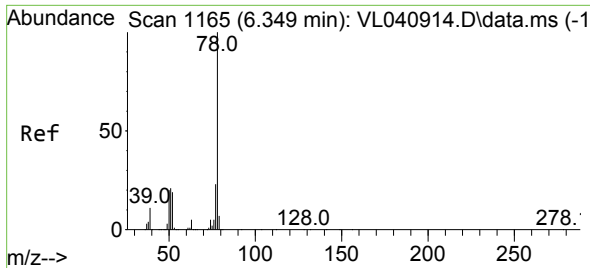
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 6.481 min Scan# 1206
Delta R.T. -0.003 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

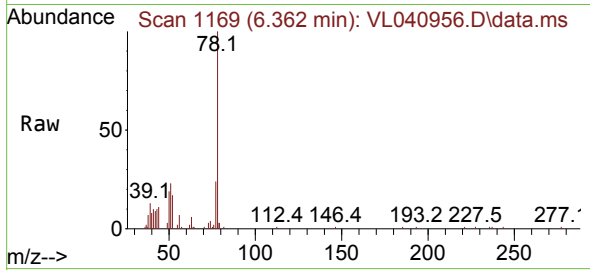
Tgt Ion:117 Resp: 11791
Ion Ratio Lower Upper
117 100
119 84.5 76.3 114.5
121 26.7 24.9 37.3





#36
Benzene
Concen: 0.193 ppbv m
RT: 6.362 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

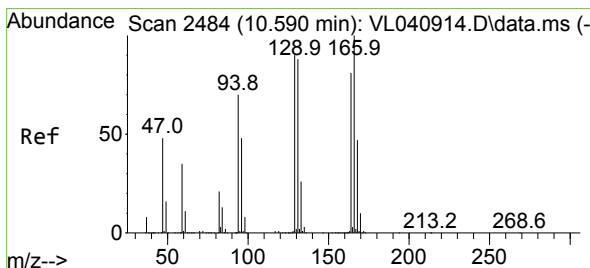
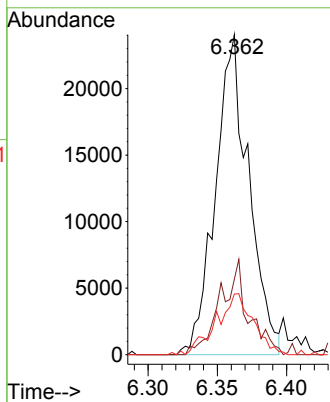
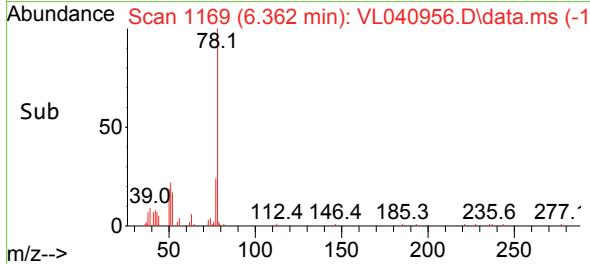
Instrument :
MSVOA_L
ClientSampleId :
10492RE



Tgt Ion: 78 Resp: 40289
Ion Ratio Lower Upper
78 100
77 23.6 18.4 27.6
50 18.9 16.0 24.0

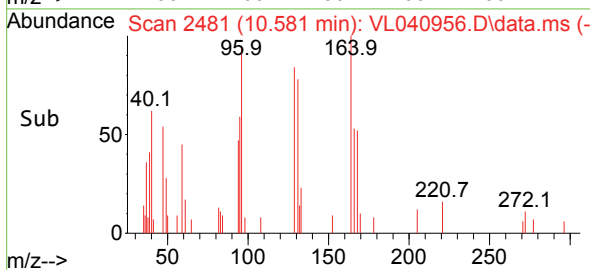
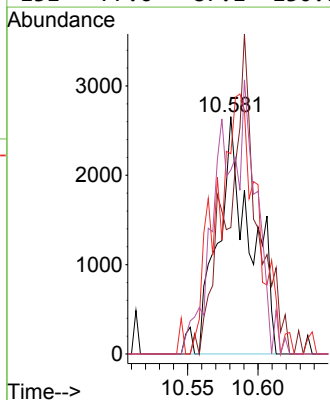
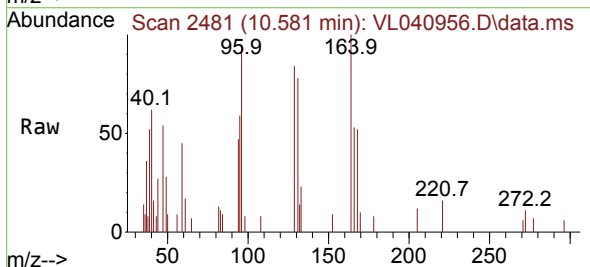
Manual Integrations
APPROVED

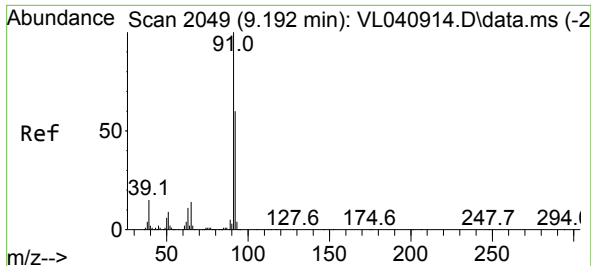
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#52
Tetrachloroethene
Concen: 0.061 ppbv m
RT: 10.581 min Scan# 2481
Delta R.T. -0.006 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

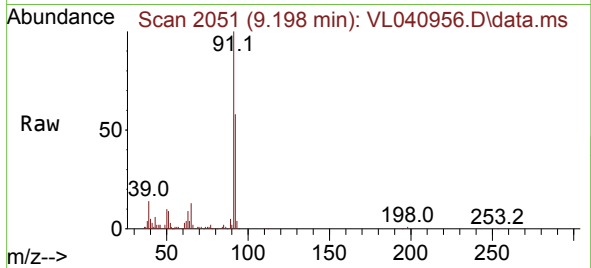
Tgt Ion:164 Resp: 4310
Ion Ratio Lower Upper
164 100
166 53.3 98.9 148.3#
129 84.5 88.7 133.1#
131 77.6 87.1 130.7#





#53
Toluene
Concen: 0.559 ppbv
RT: 9.198 min Scan# 2049
Delta R.T. 0.003 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

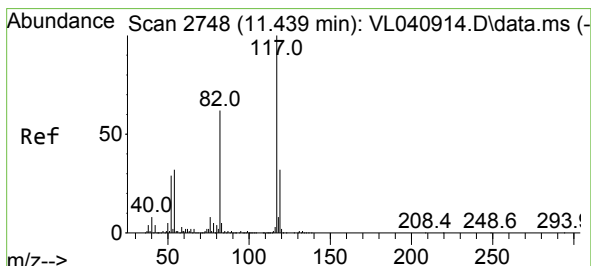
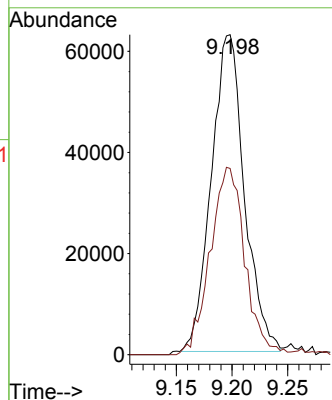
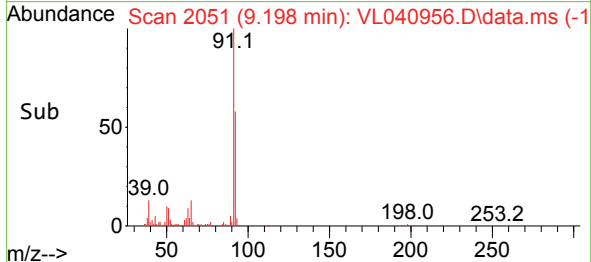
Instrument :
MSVOA_L
ClientSampleId :
10492RE



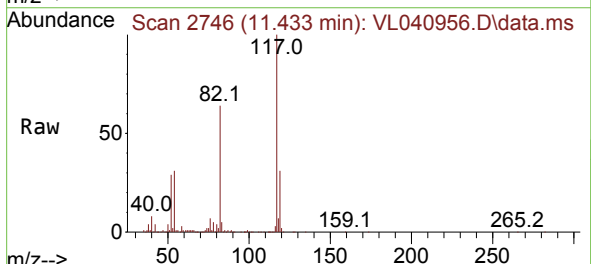
Tgt Ion: 91 Resp: 129800
Ion Ratio Lower Upper
91 100
92 62.9 49.2 73.8

Manual Integrations
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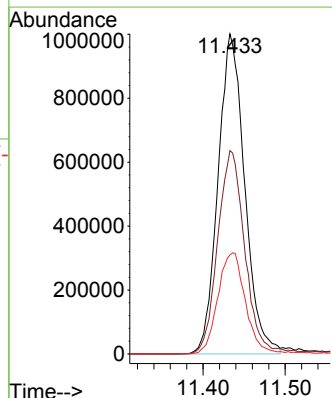
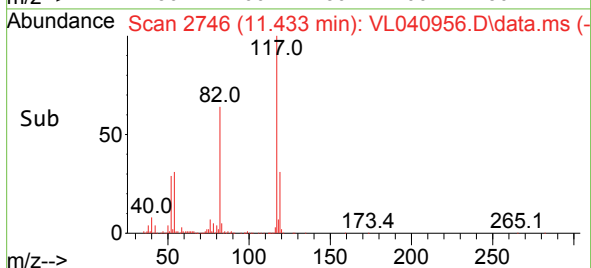
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

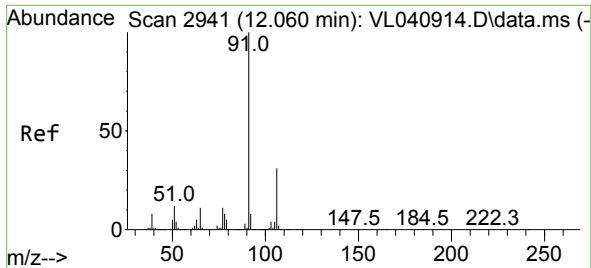


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.433 min Scan# 2746
Delta R.T. -0.003 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07



Tgt Ion:117 Resp: 2261040
Ion Ratio Lower Upper
117 100
82 66.1 49.6 74.4
119 33.5 23.4 35.0





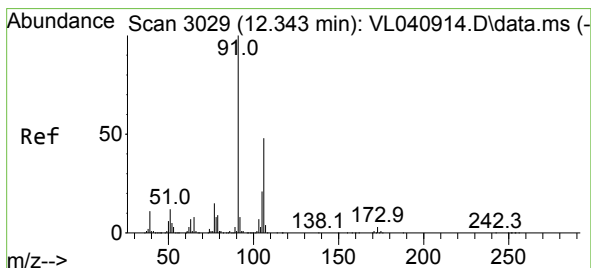
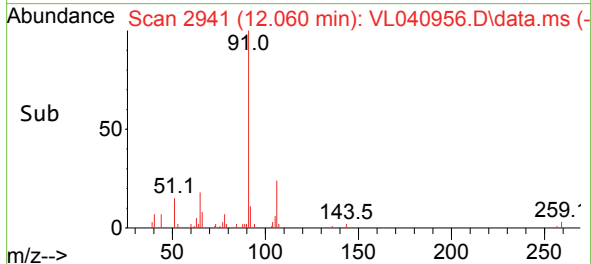
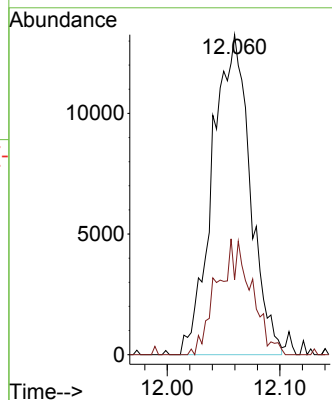
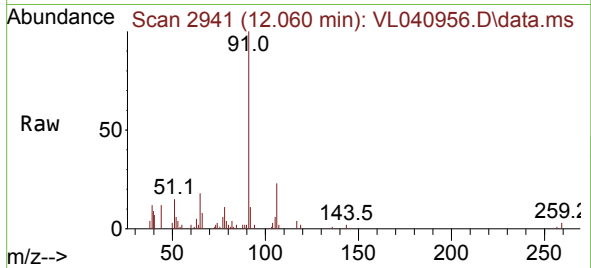
#58
Ethyl Benzene
Concen: 0.107 ppbv m
RT: 12.060 min Scan# 2941
Delta R.T. 0.003 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

Instrument :
MSVOA_L
ClientSampleId :
10492RE

Tgt Ion: 91 Resp: 30942
Ion Ratio Lower Upper
91 100
106 23.4 24.9 37.3

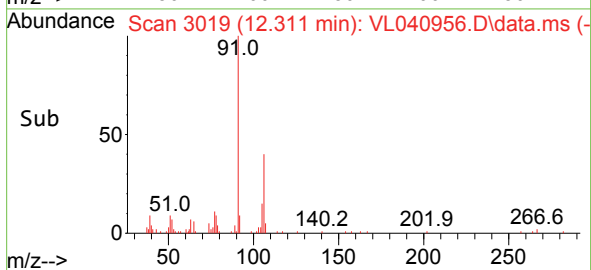
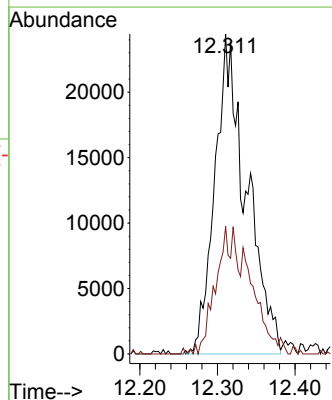
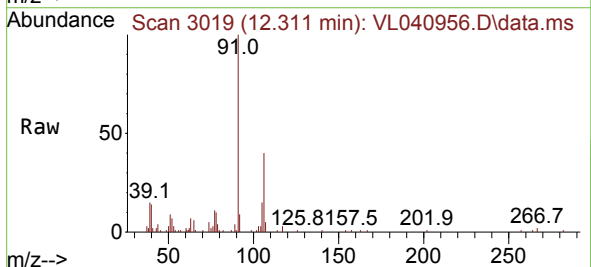
Manual Integrations
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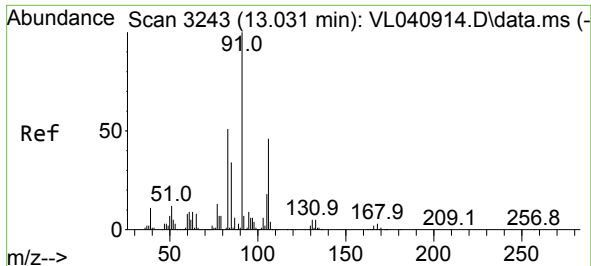
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#59
m/p-Xylene
Concen: 0.279 ppbv m
RT: 12.311 min Scan# 3019
Delta R.T. -0.026 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

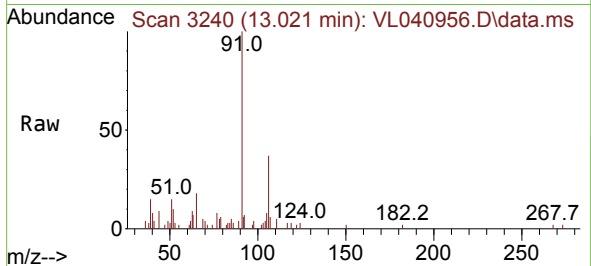
Tgt Ion: 91 Resp: 68814
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0





#60
o-Xylene
Concen: 0.100 ppbv m
RT: 13.021 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07

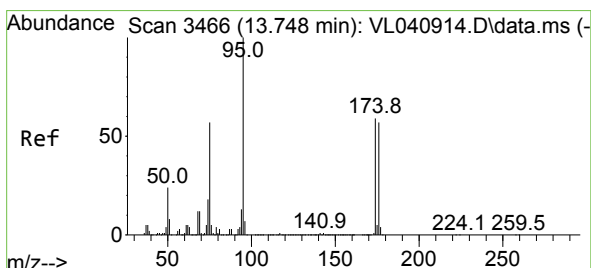
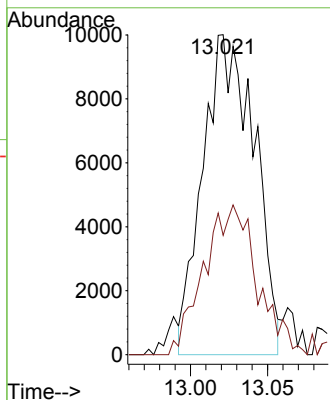
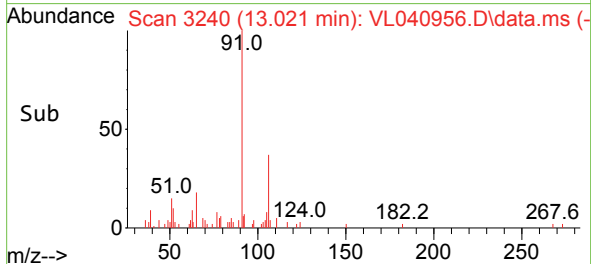
Instrument :
MSVOA_L
ClientSampleId :
10492RE



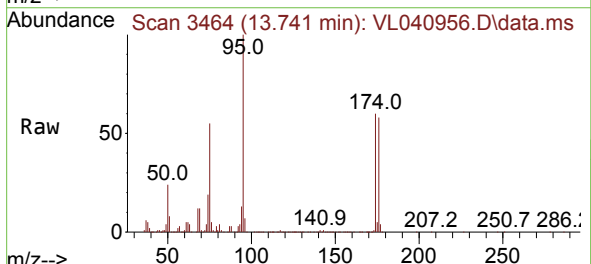
Tgt Ion: 91 Resp: 2327
Ion Ratio Lower Upper
91 100
106 0.0 22.6 67.7

Manual Integrations
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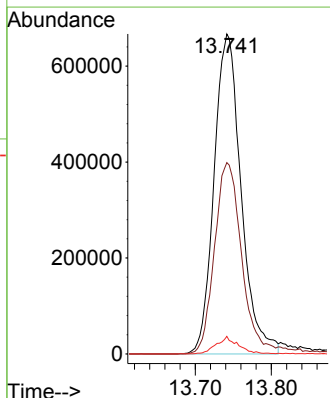
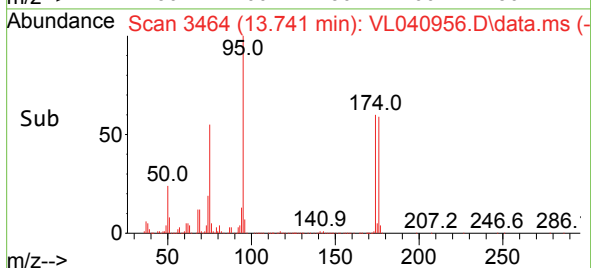
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

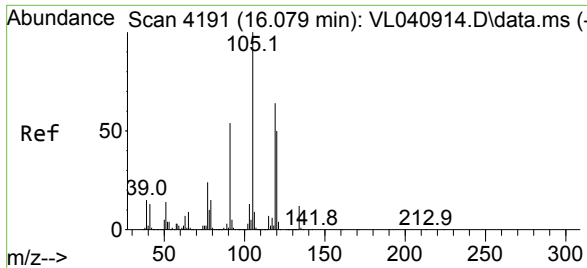


#68
1-Bromo-4-Fluorobenzene
Concen: 9.876 ppbv
RT: 13.741 min Scan# 3464
Delta R.T. 0.003 min
Lab File: VL040956.D
Acq: 22 Dec 2023 12:07



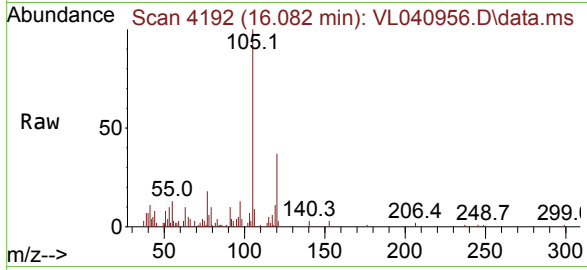
Tgt Ion: 95 Resp: 1644865
Ion Ratio Lower Upper
95 100
174 61.3 48.0 72.0
175 4.7 3.7 5.5





#74
 1,2,4-Trimethylbenzene
 Concen: 0.167 ppbv m
 RT: 16.082 min Scan# 4192
 Delta R.T. 0.010 min
 Lab File: VL040956.D
 Acq: 22 Dec 2023 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 10492RE



Tgt Ion:	105	Resp:	4090
Ion Ratio	Lower	Upper	
105	100		
120	37.2	40.2	60.4
91	10.2	43.0	64.6
77	17.9	18.9	28.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/23/2023
 Supervised By :Mahesh Dadoda 12/26/2023

