

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041335.D
 Acq On : 5 Jun 2024 20:13
 Operator : SY/MD
 Sample : P2716-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2024
 Supervised By :Mahesh Dadoda 06/06/2024

Quant Time: Jun 06 04:43:05 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.218	49	923007	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.674	114	2412203	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.478	117	2224014	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1733659	10.096	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.767	85	21952	0.149	ppbv	91
9) Propene	2.735	41	96554	1.858	ppbv	87
10) Heptane	7.597	43	16103m	0.131	ppbv	
13) Ethanol	3.285	45	13102m	0.969	ppbv	
15) Acetone	3.507	43	415180	3.940	ppbv	98
19) Isopropyl Alcohol	3.629	45	26057m	0.394	ppbv	
20) Methylene Chloride	3.967	84	24454	0.638	ppbv #	92
26) Hexane	5.237	57	56797	0.606	ppbv #	41
27) Carbon Disulfide	4.153	76	18251m	0.176	ppbv	
30) Cyclohexane	6.623	84	22720m	0.299	ppbv	
34) 2-Butanone	4.822	43	178528m	1.545	ppbv	
36) Benzene	6.394	78	35410m	0.189	ppbv	
44) 2,2,4-Trimethylpentane	7.346	57	59178	0.184	ppbv #	76
52) Tetrachloroethene	10.642	164	3140m	0.046	ppbv	
53) Toluene	9.237	91	482428	2.243	ppbv	97
58) Ethyl Benzene	12.105	91	29931m	0.105	ppbv	
59) m/p-Xylene	12.352	91	75291m	0.308	ppbv	
60) o-Xylene	13.076	91	46494m	0.200	ppbv	
72) 4-Ethyltoluene	15.201	105	27062m	0.100	ppbv	
73) 1,3,5-Trimethylbenzene	15.359	105	41767m	0.177	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	148459	0.558	ppbv #	74

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

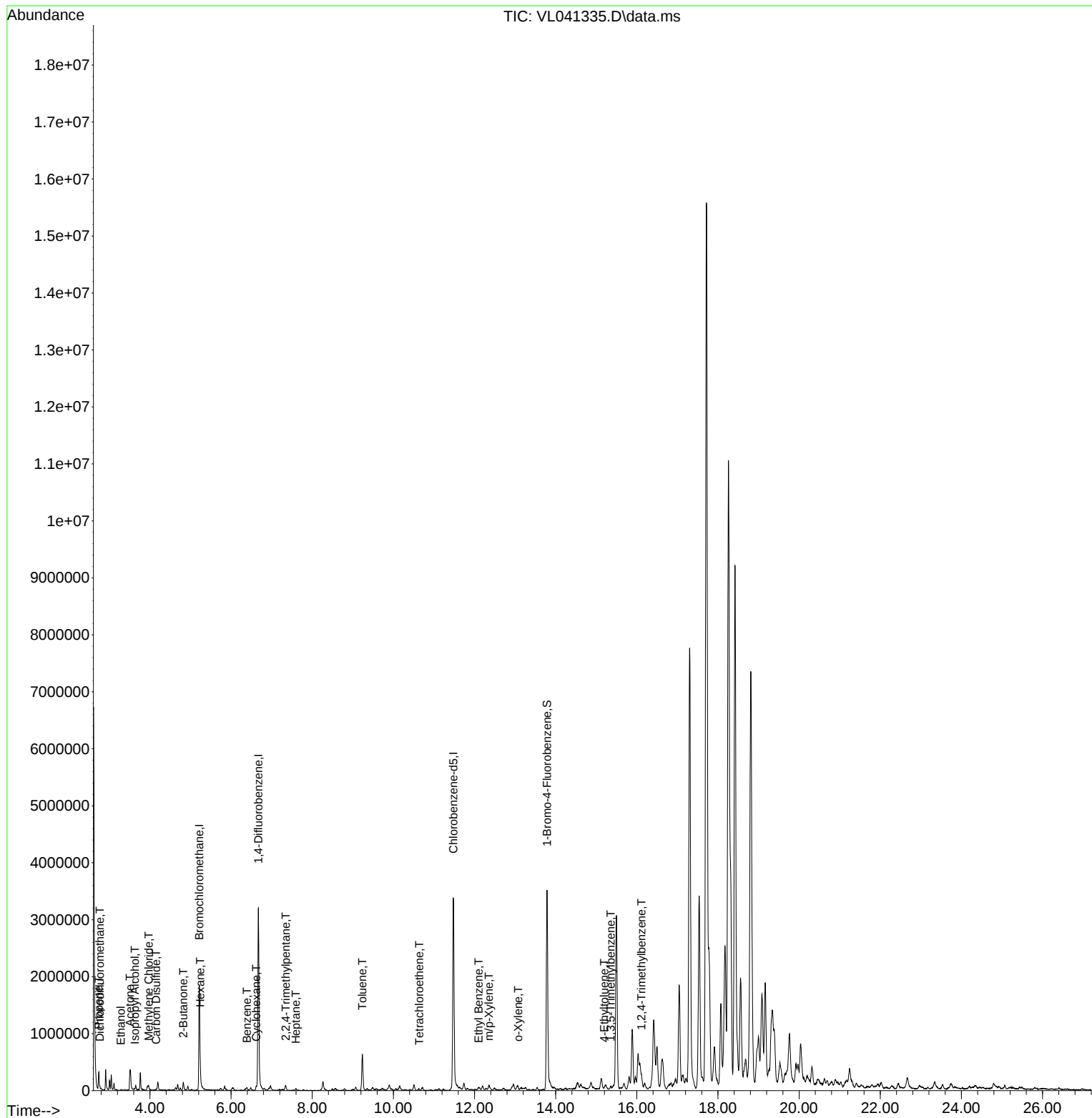
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
Data File : VL041335.D
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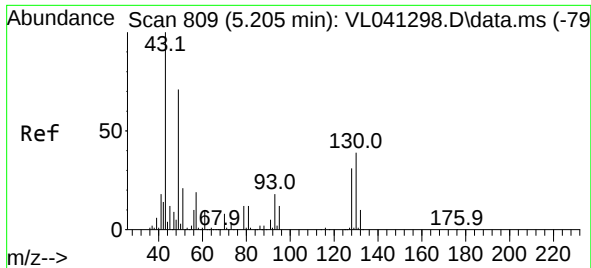
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Jun 06 04:43:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jun 05 04:42:10 2024
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Manual Integrations
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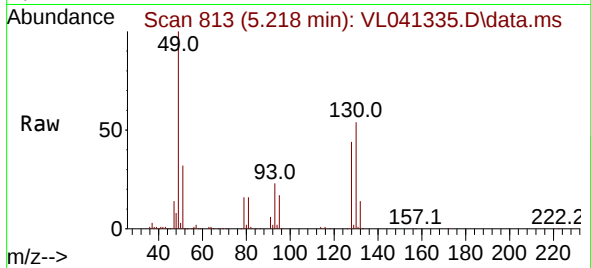
Reviewed By : Semsettin Yesilyurt 06/06/2024
Supervised By : Mahesh Dadoda 06/06/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.218 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

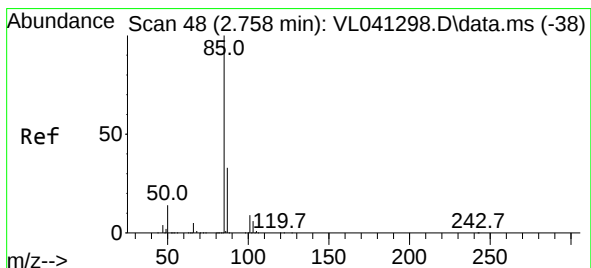
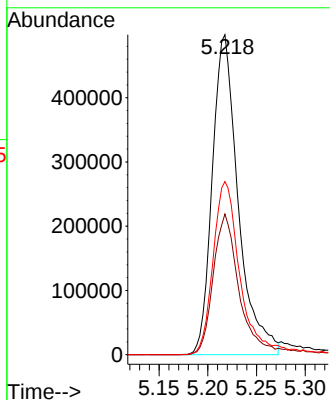
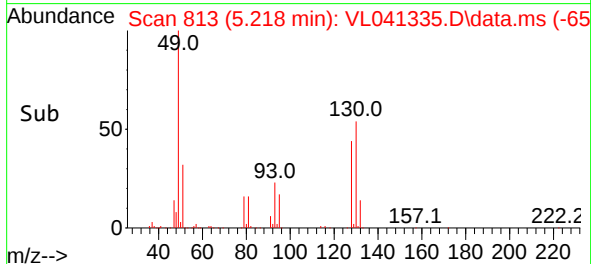
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 92300
Ion Ratio Lower Upper
49 100
128 45.7 22.8 68.3
130 57.9 28.4 85.3

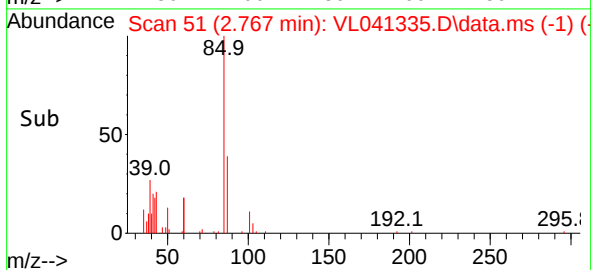
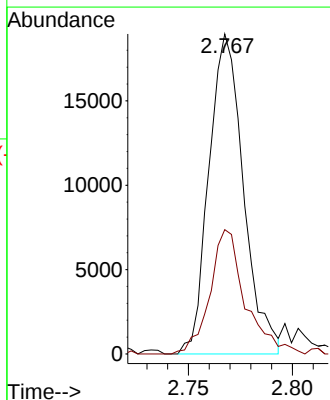
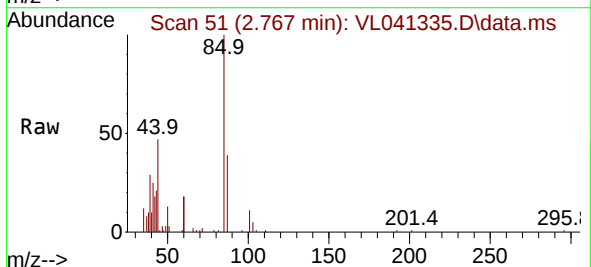
Manual Integrations
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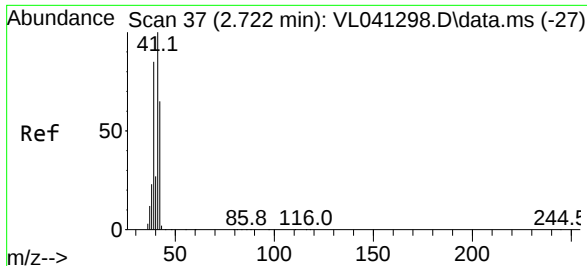
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#2
Dichlorodifluoromethane
Concen: 0.149 ppbv
RT: 2.767 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

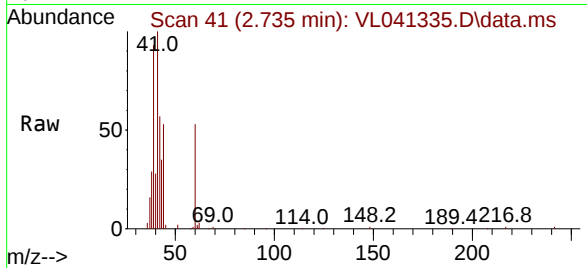
Tgt Ion: 85 Resp: 21952
Ion Ratio Lower Upper
85 100
87 38.0 26.5 39.7





#9
Propene
Concen: 1.858 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

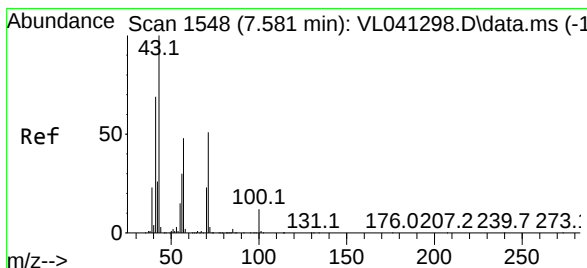
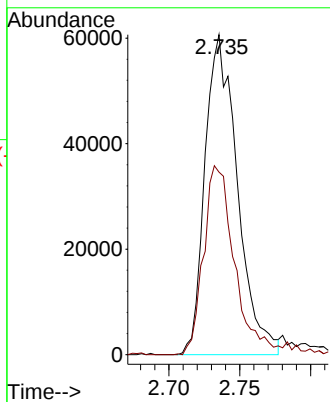
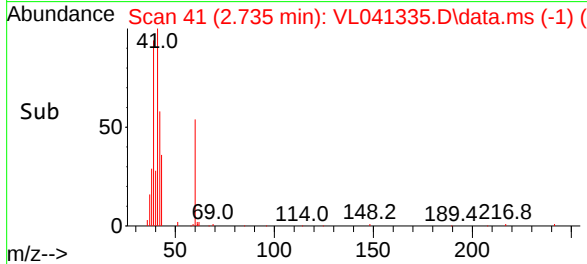
Instrument :
MSVOA_L
ClientSampleId :
SV2



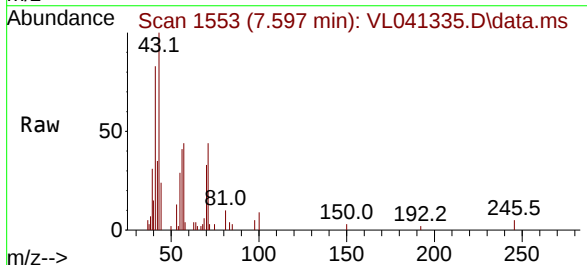
Tgt Ion: 41 Resp: 96554
Ion Ratio Lower Upper
41 100
42 58.4 55.2 82.8

Manual Integrations
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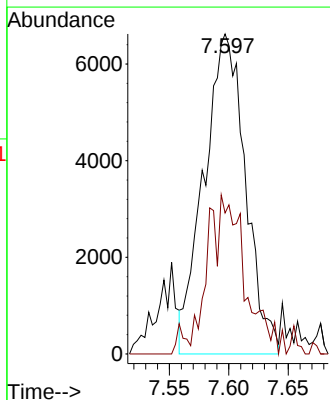
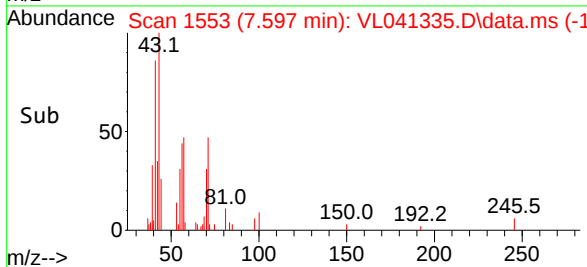
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024

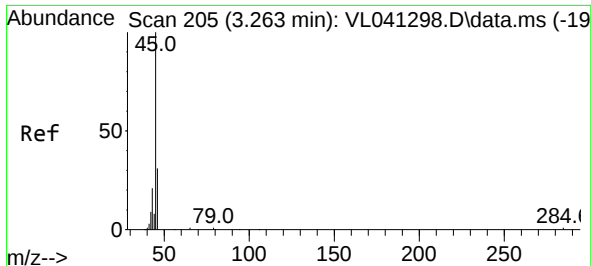


#10
Heptane
Concen: 0.131 ppbv m
RT: 7.597 min Scan# 1553
Delta R.T. 0.016 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13



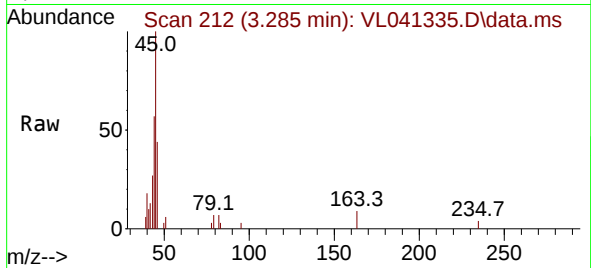
Tgt Ion: 43 Resp: 16103
Ion Ratio Lower Upper
43 100
57 48.1 39.0 58.4





#13
Ethanol
Concen: 0.969 ppbv m
RT: 3.285 min Scan# 212
Delta R.T. 0.022 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

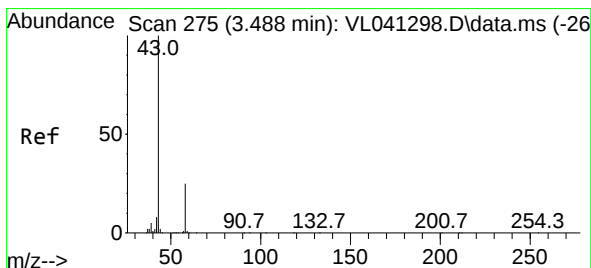
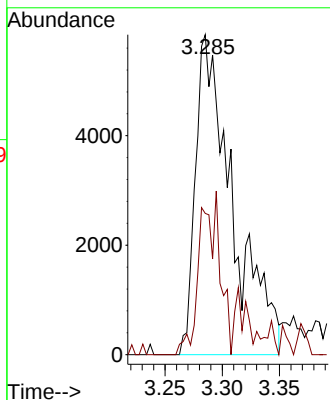
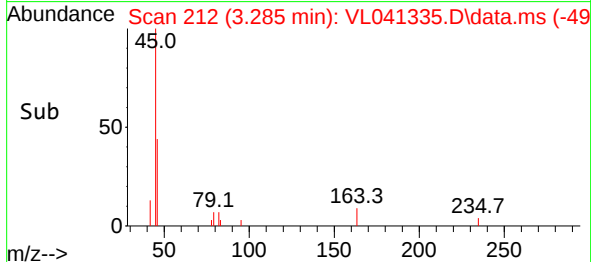
Instrument :
MSVOA_L
ClientSampleId :
SV2



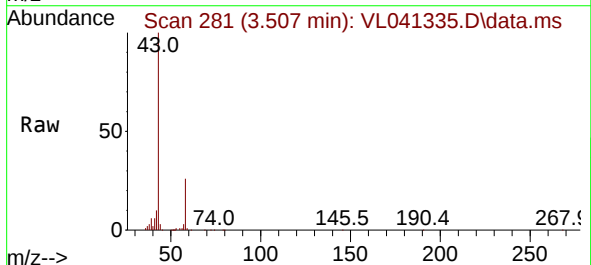
Tgt Ion: 45 Resp: 1310
Ion Ratio Lower Upper
45 100
46 37.7 14.2 56.6

Manual Integrations
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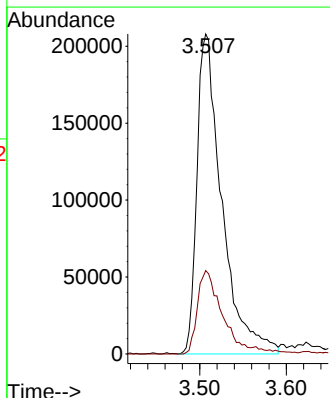
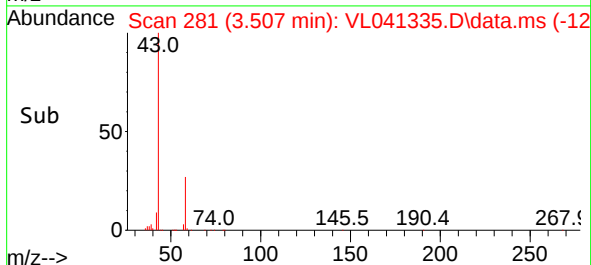
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024

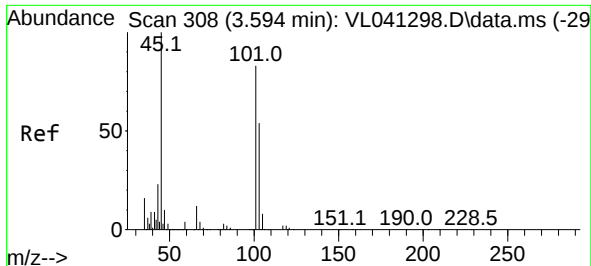


#15
Acetone
Concen: 3.940 ppbv
RT: 3.507 min Scan# 281
Delta R.T. 0.019 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13



Tgt Ion: 43 Resp: 415180
Ion Ratio Lower Upper
43 100
58 27.0 20.6 31.0





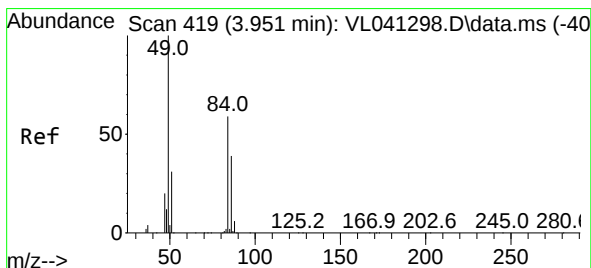
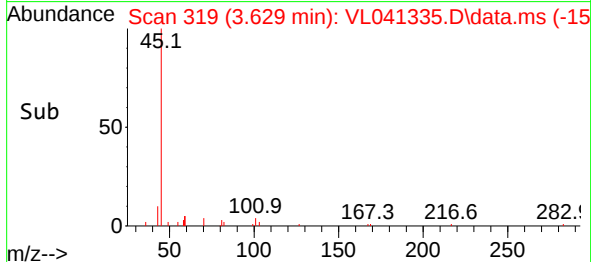
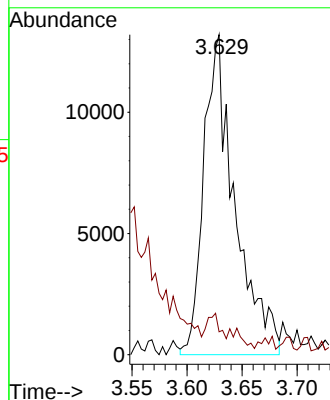
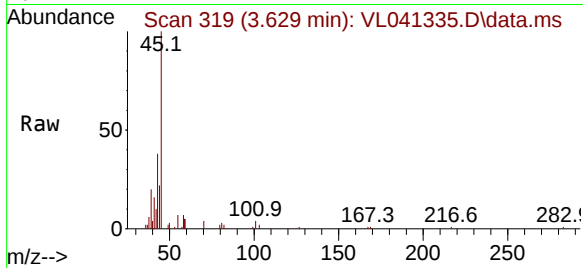
#19
Isopropyl Alcohol
Concen: 0.394 ppbv m
RT: 3.629 min Scan# 319
Delta R.T. 0.035 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 45 Resp: 2605
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2

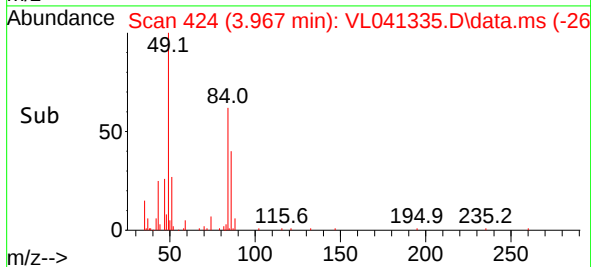
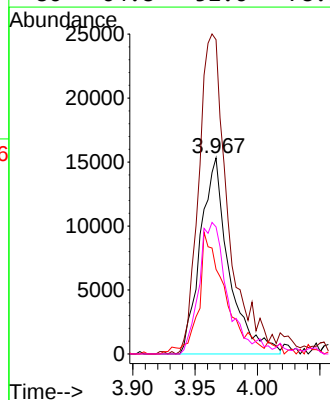
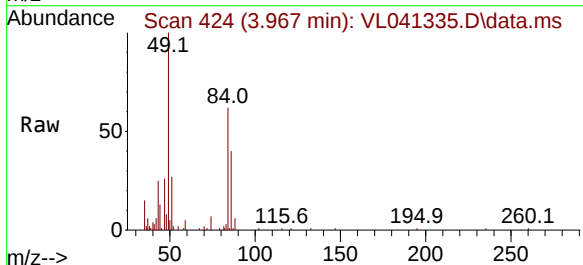
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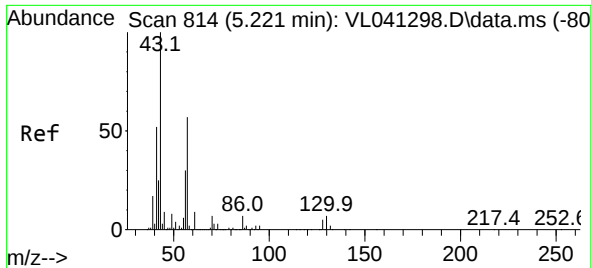
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#20
Methylene Chloride
Concen: 0.638 ppbv
RT: 3.967 min Scan# 424
Delta R.T. 0.016 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

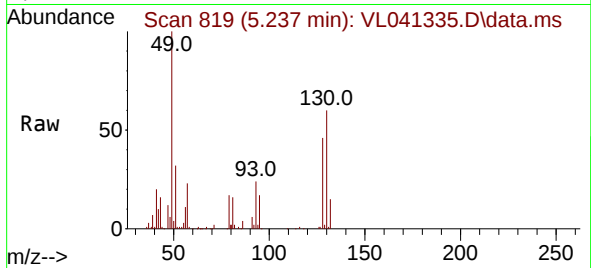
Tgt Ion: 84 Resp: 24454
Ion Ratio Lower Upper
84 100
49 159.0 136.2 204.2
51 40.3 41.9 62.9#
86 64.8 52.6 78.8





#26
Hexane
Concen: 0.606 ppbv
RT: 5.237 min Scan# 814
Delta R.T. 0.016 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

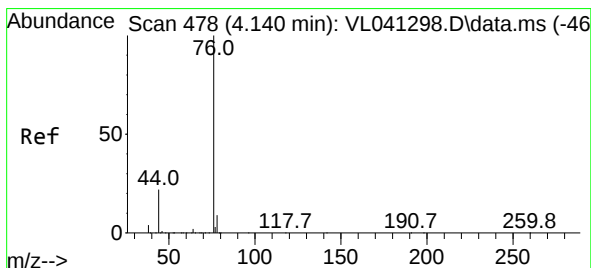
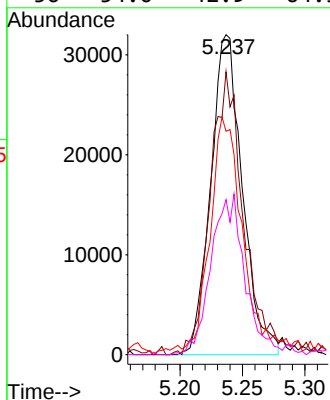
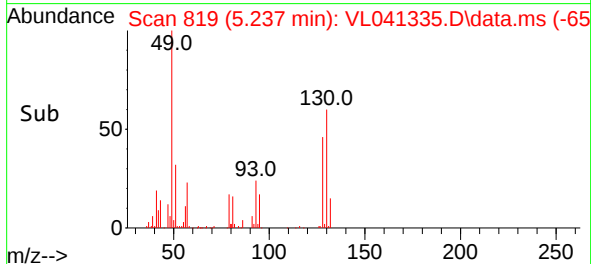
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 57 Resp: 5679
Ion Ratio Lower Upper
57 100
41 91.4 77.1 115.7
43 73.5 186.1 279.1
56 54.0 42.9 64.3

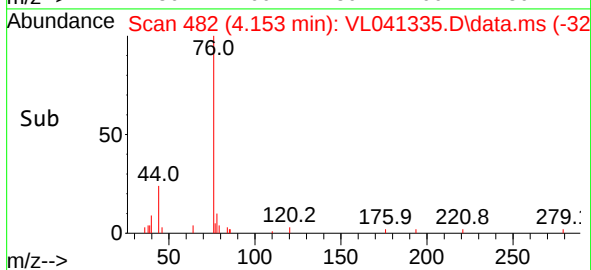
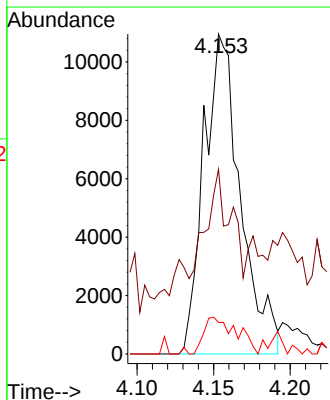
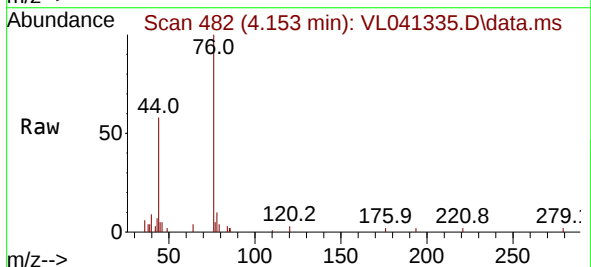
Manual Integrations
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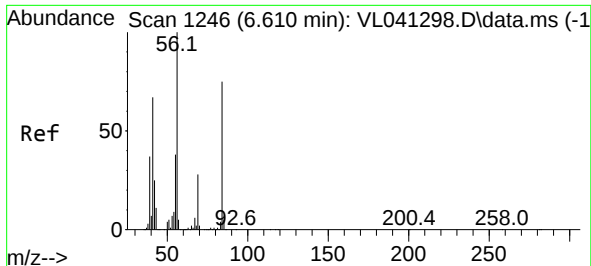
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#27
Carbon Disulfide
Concen: 0.176 ppbv m
RT: 4.153 min Scan# 482
Delta R.T. 0.013 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

Tgt Ion: 76 Resp: 18251
Ion Ratio Lower Upper
76 100
44 44.7 17.7 26.5#
78 13.4 7.8 11.6#





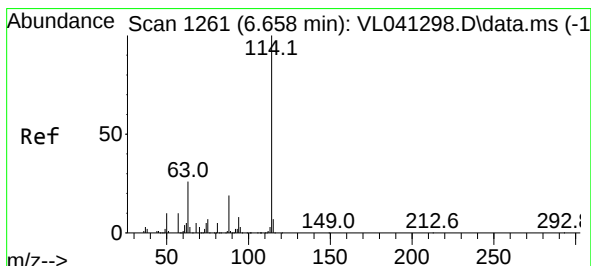
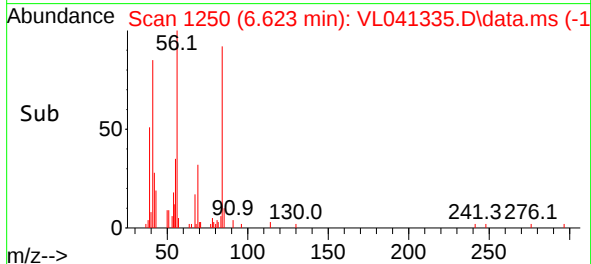
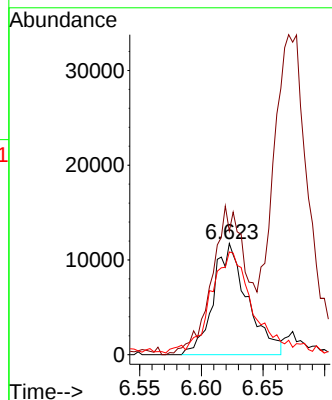
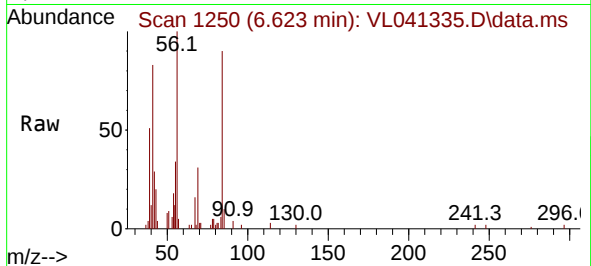
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Cyclohexane
Concen: 0.299 ppbv m
RT: 6.623 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 84 Resp: 22720
Ion Ratio Lower Upper
84 100
56 133.0 114.9 172.3
41 111.7 74.4 111.6

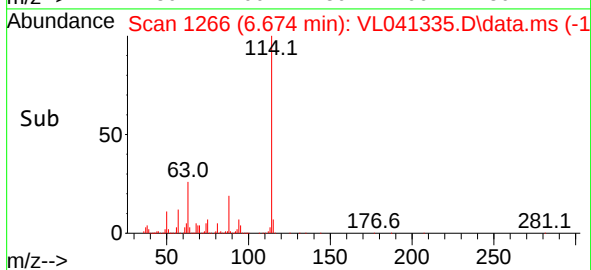
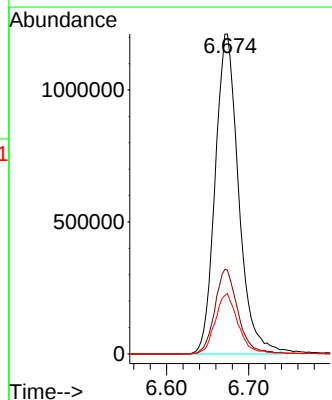
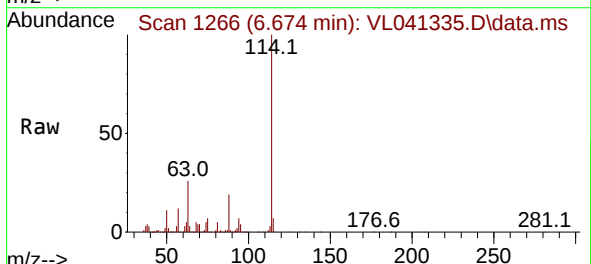
Manual Integrations
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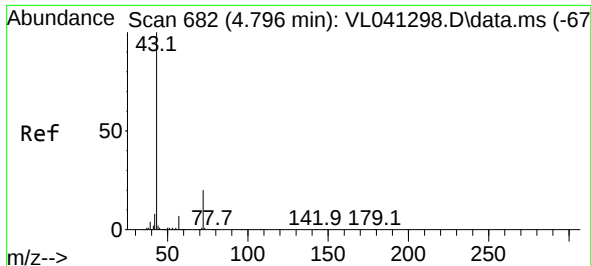
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.016 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

Tgt Ion:114 Resp: 2412203
Ion Ratio Lower Upper
114 100
63 26.4 20.6 30.8
88 18.7 14.5 21.7





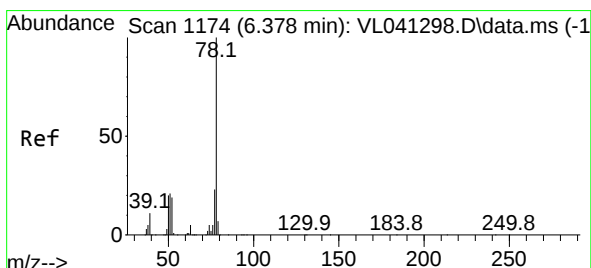
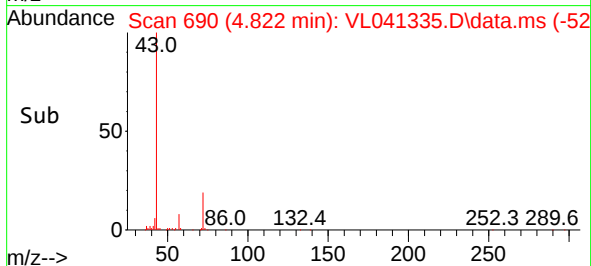
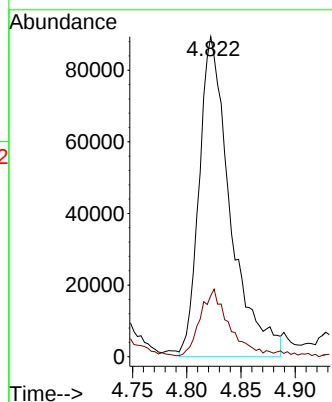
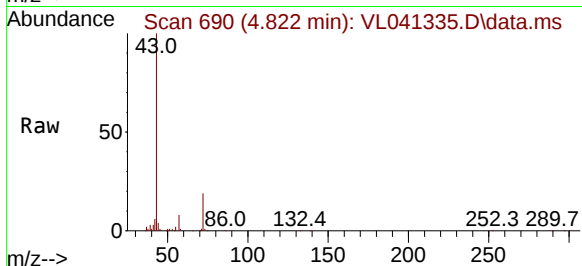
#34
2-Butanone
Concen: 1.545 ppbv m
RT: 4.822 min Scan# 61
Delta R.T. 0.026 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 178528
Ion Ratio Lower Upper
43 100
72 21.2 17.4 26.0

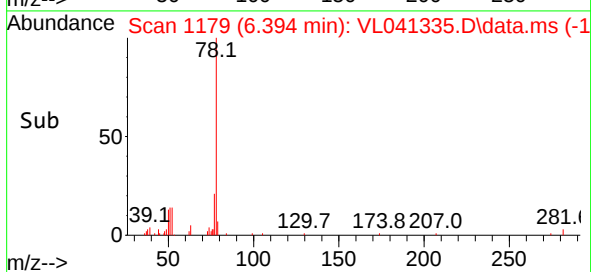
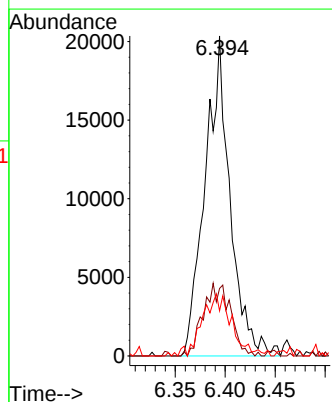
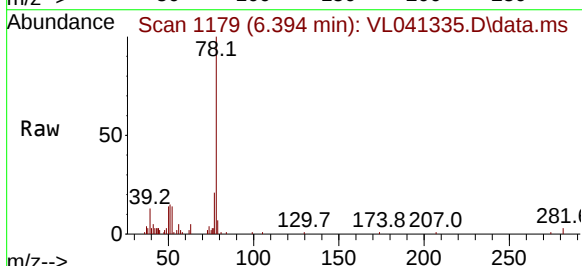
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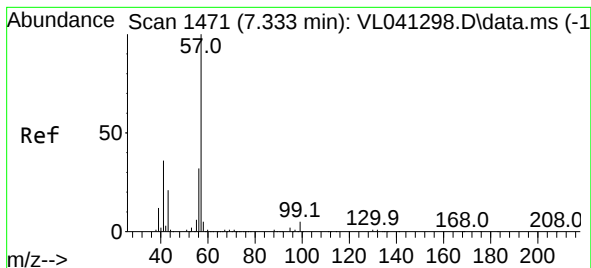
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#36
Benzene
Concen: 0.189 ppbv m
RT: 6.394 min Scan# 1179
Delta R.T. 0.016 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

Tgt Ion: 78 Resp: 35410
Ion Ratio Lower Upper
78 100
77 21.1 18.6 28.0
50 14.1 16.0 24.0#





#44

2,2,4-Trimethylpentane

Concen: 0.184 ppbv

RT: 7.346 min Scan# 1471

Delta R.T. 0.013 min

Lab File: VL041335.D

Acq: 5 Jun 2024 20:13

Instrument :

MSVOA_L

ClientSampleId :

SV2

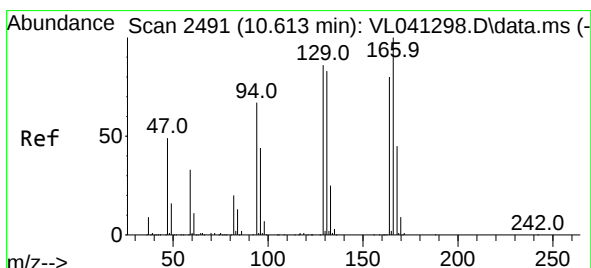
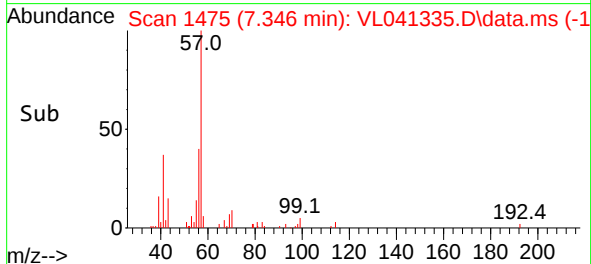
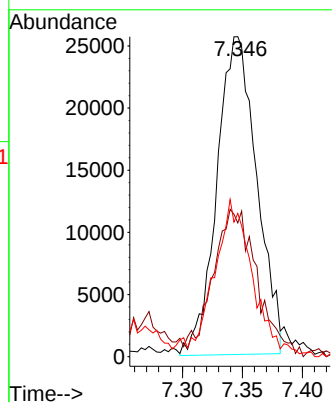
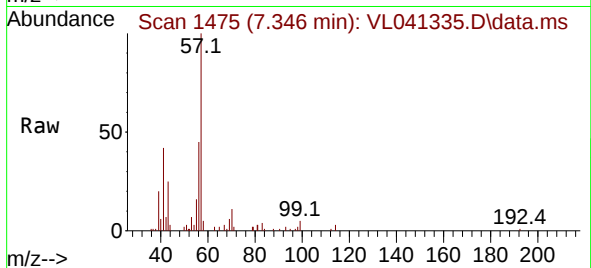
Tgt Ion: 57 Resp: 59178

Ion	Ratio	Lower	Upper
57	100		
41	48.2	29.4	44.2
56	47.2	25.0	37.4

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Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#52

Tetrachloroethene

Concen: 0.046 ppbv m

RT: 10.642 min Scan# 2500

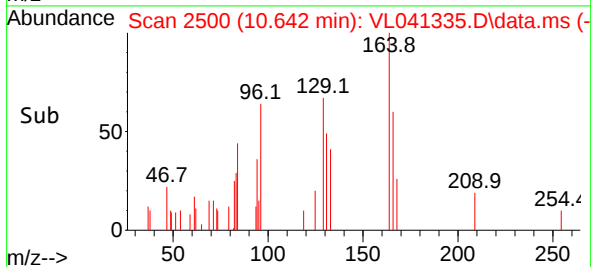
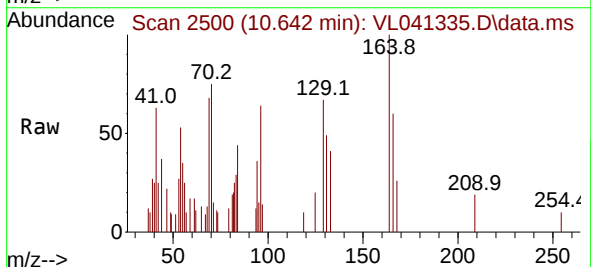
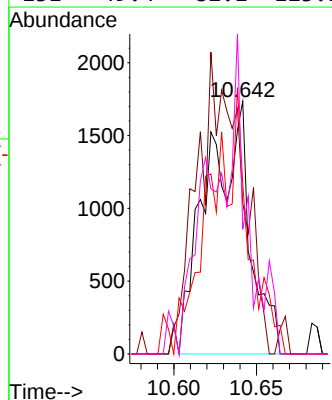
Delta R.T. 0.029 min

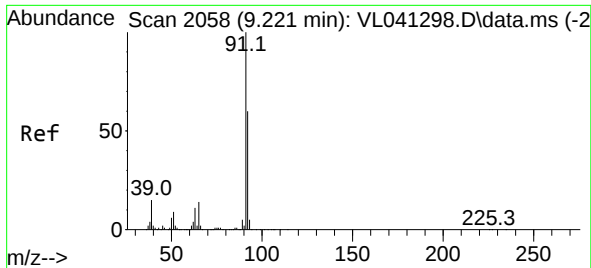
Lab File: VL041335.D

Acq: 5 Jun 2024 20:13

Tgt Ion:164 Resp: 3140

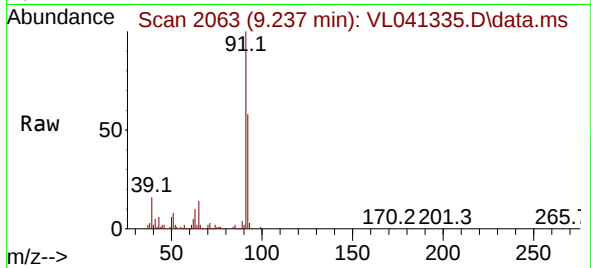
Ion	Ratio	Lower	Upper
164	100		
166	59.7	99.4	149.0#
129	67.4	85.4	128.2#
131	49.4	82.1	123.1#





#53
Toluene
Concen: 2.243 ppbv
RT: 9.237 min Scan# 2058
Delta R.T. 0.016 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

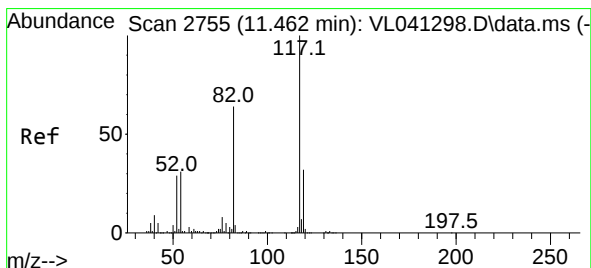
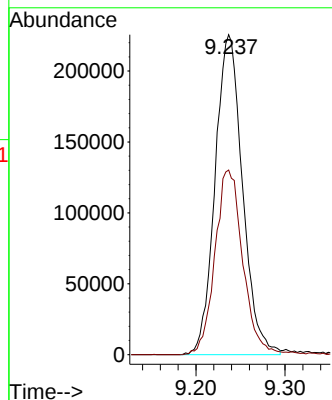
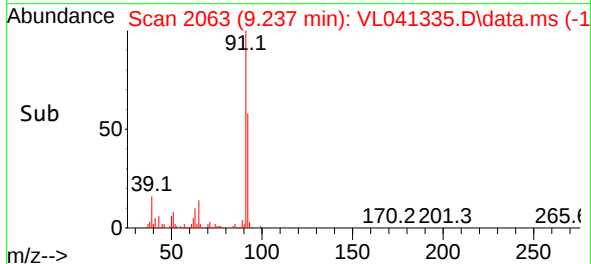
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 91 Resp: 482428
Ion Ratio Lower Upper
91 100
92 59.0 49.2 73.8

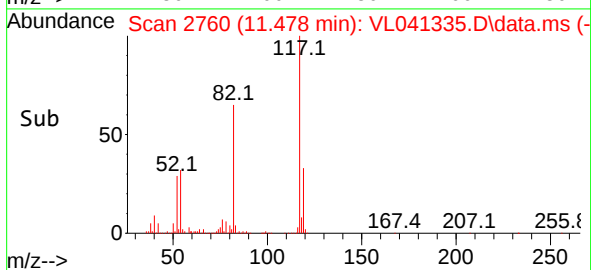
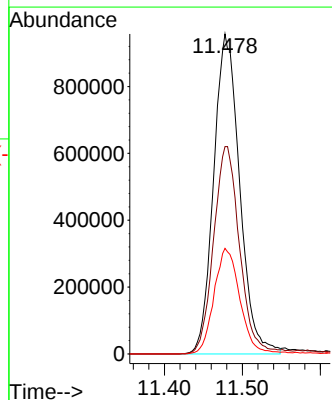
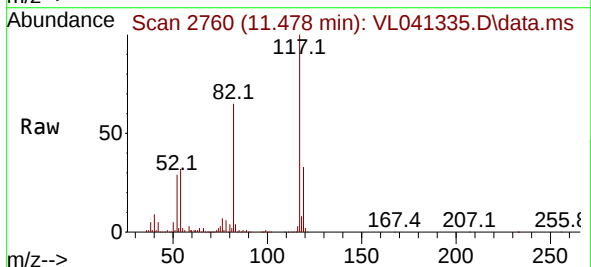
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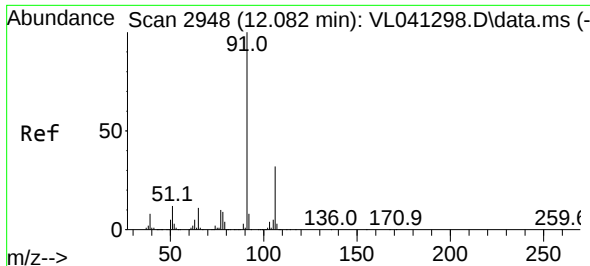
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. 0.016 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

Tgt Ion:117 Resp: 2224014
Ion Ratio Lower Upper
117 100
82 66.7 52.3 78.5
119 33.3 26.2 39.2





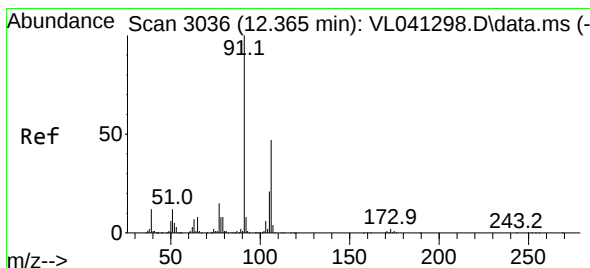
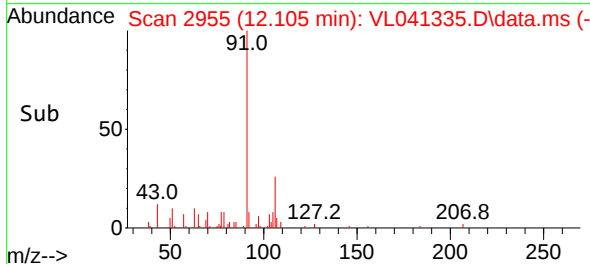
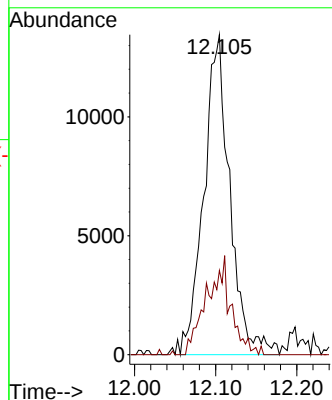
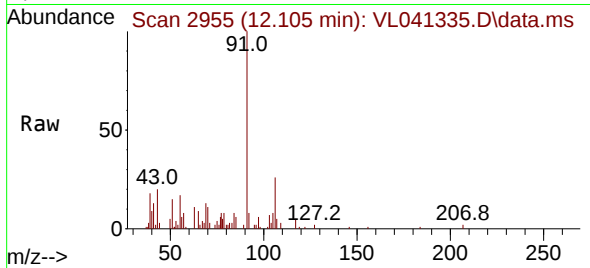
#58
Ethyl Benzene
Concen: 0.105 ppbv m
RT: 12.105 min Scan# 2948
Delta R.T. 0.023 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 2993
Ion Ratio Lower Upper
91 100
106 26.3 25.5 38.3

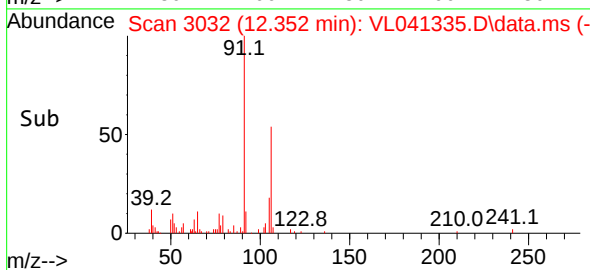
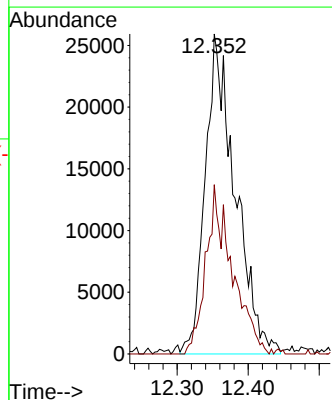
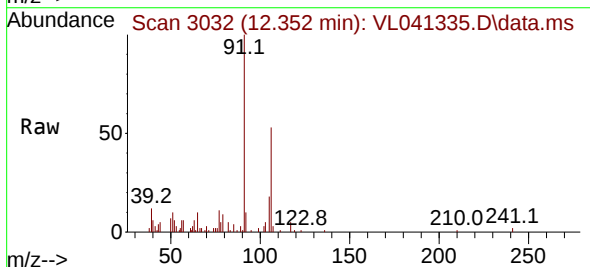
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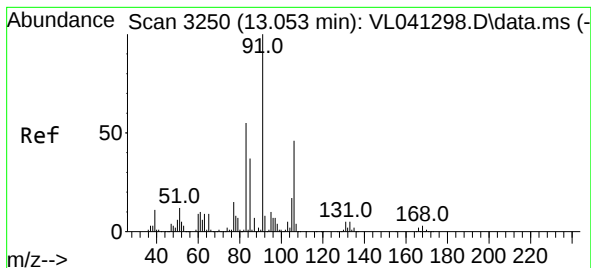
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#59
m/p-Xylene
Concen: 0.308 ppbv m
RT: 12.352 min Scan# 3032
Delta R.T. -0.013 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

Tgt Ion: 91 Resp: 75291
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#





#60

o-Xylene

Concen: 0.200 ppbv m

RT: 13.076 min Scan# 31

Delta R.T. 0.022 min

Lab File: VL041335.D

Acq: 5 Jun 2024 20:13

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 91 Resp: 46494

Ion Ratio Lower Upper

91 100

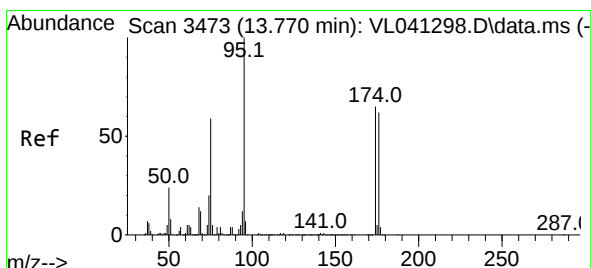
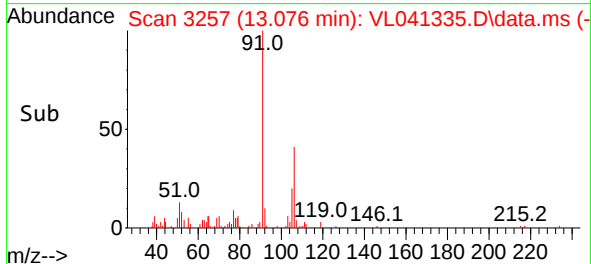
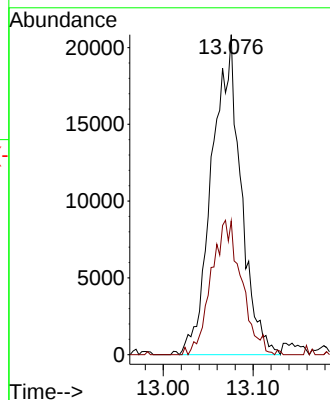
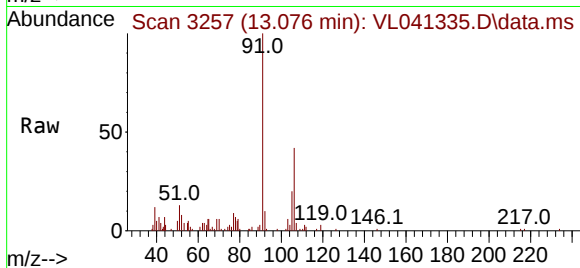
106 44.2 22.8 68.4

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Reviewed By :Semsettin Yesilyurt 06/06/2024

Supervised By :Mahesh Dadoda 06/06/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.096 ppbv

RT: 13.790 min Scan# 3479

Delta R.T. 0.019 min

Lab File: VL041335.D

Acq: 5 Jun 2024 20:13

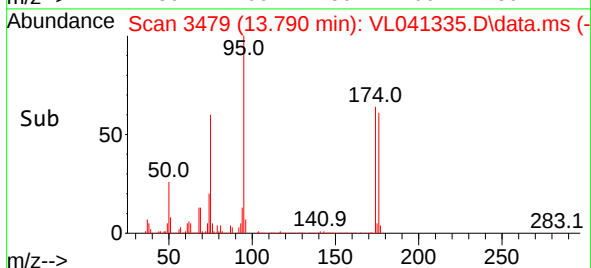
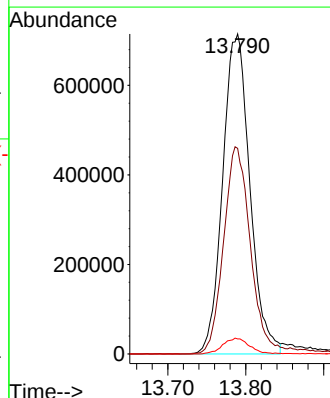
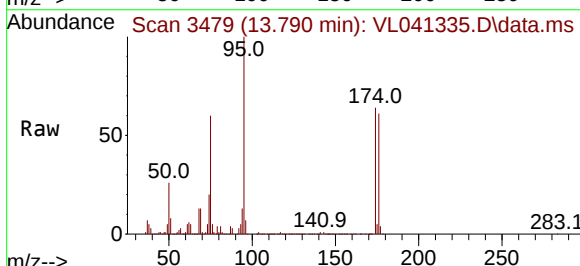
Tgt Ion: 95 Resp: 1733659

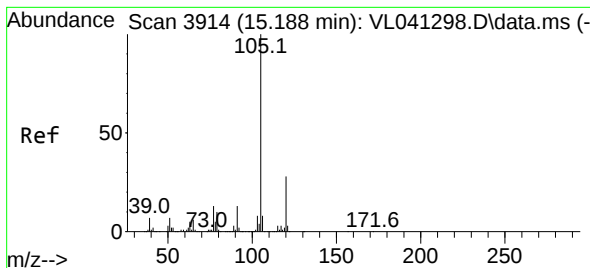
Ion Ratio Lower Upper

95 100

174 66.6 52.2 78.2

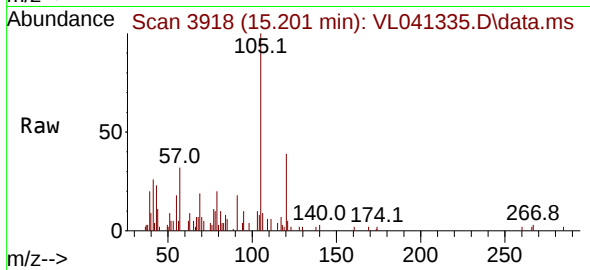
175 4.9 4.1 6.1





#72
4-Ethyltoluene
Concen: 0.100 ppbv m
RT: 15.201 min Scan# 3918
Delta R.T. 0.013 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

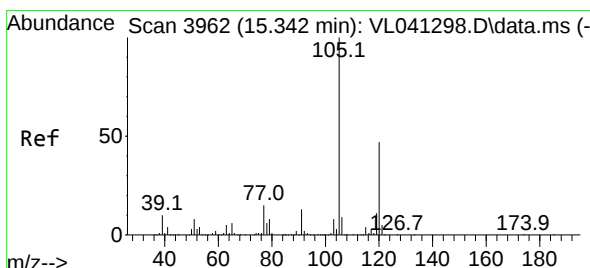
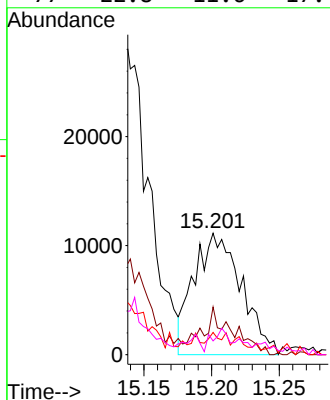
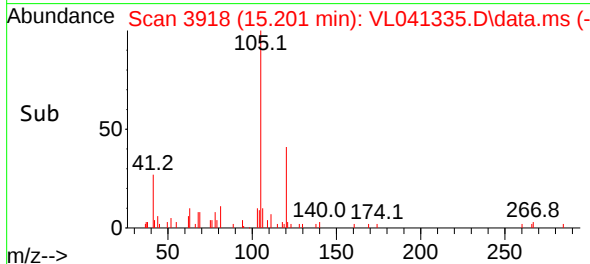
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:105 Resp: 27062
Ion Ratio Lower Upper
105 100
120 27.8 23.7 35.5
91 21.6 10.6 16.0
77 22.8 11.6 17.4#

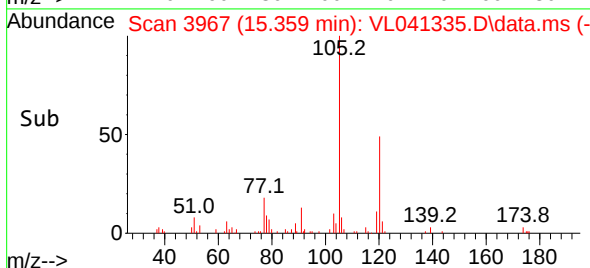
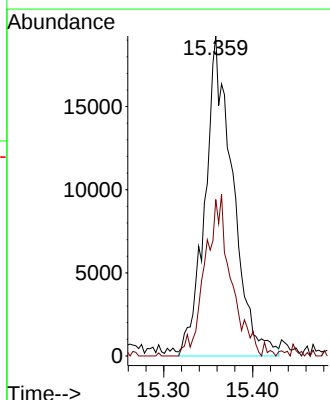
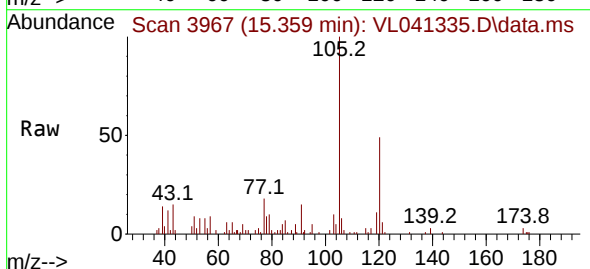
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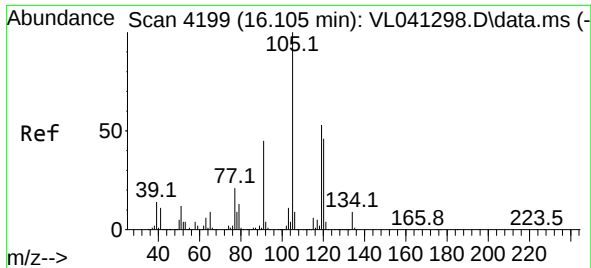
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#73
1,3,5-Trimethylbenzene
Concen: 0.177 ppbv m
RT: 15.359 min Scan# 3967
Delta R.T. 0.016 min
Lab File: VL041335.D
Acq: 5 Jun 2024 20:13

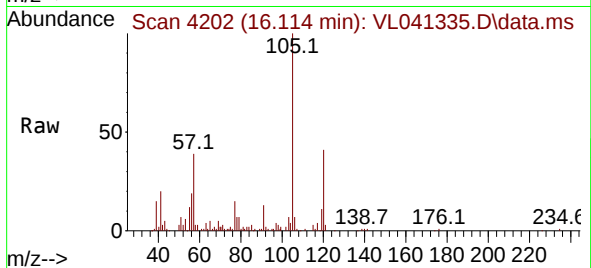
Tgt Ion:105 Resp: 41767
Ion Ratio Lower Upper
105 100
120 48.9 37.8 56.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.558 ppbv
 RT: 16.114 min Scan# 4199
 Delta R.T. 0.010 min
 Lab File: VL041335.D
 Acq: 5 Jun 2024 20:13

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion:105 Resp: 148459
 Ion Ratio Lower Upper
 105 100
 120 40.7 37.0 55.6
 91 12.9 36.2 54.4
 77 13.8 16.6 24.8#

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/06/2024
 Supervised By :Mahesh Dadoda 06/06/2024

