

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122222\
 Data File : VL040066.D
 Acq On : 22 Dec 2022 13:49
 Operator : SY/MD
 Sample : N6181-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/27/2022
 Supervised By :Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 06:28:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	901231	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2456007	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2113187	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1658616	10.275	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	40690	0.241	ppbv	98
4) Chloromethane	2.797	50	33405	0.401	ppbv	92
11) Trichlorofluoromethane	3.542	101	36677	0.200	ppbv	90
13) Ethanol	3.247	45	21094486	3971.799	ppbv	76
15) Acetone	3.446	43	1059110	7.597	ppbv	99
20) Methylene Chloride	3.912	84	814498	13.744	ppbv	97
26) Hexane	5.192	57	431750	4.255	ppbv #	44
29) Chloroform	5.256	83	51738	0.334	ppbv	89
36) Benzene	6.353	78	116167	0.530	ppbv	92
44) 2,2,4-Trimethylpentane	7.311	57	53032m	0.147	ppbv	
52) Tetrachloroethene	10.603	164	6770m	0.091	ppbv	
53) Toluene	9.208	91	233988	0.963	ppbv	99
58) Ethyl Benzene	12.073	91	36930	0.123	ppbv	92
59) m/p-Xylene	12.333	91	100824m	0.385	ppbv	
60) o-Xylene	13.044	91	44196	0.176	ppbv	95

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

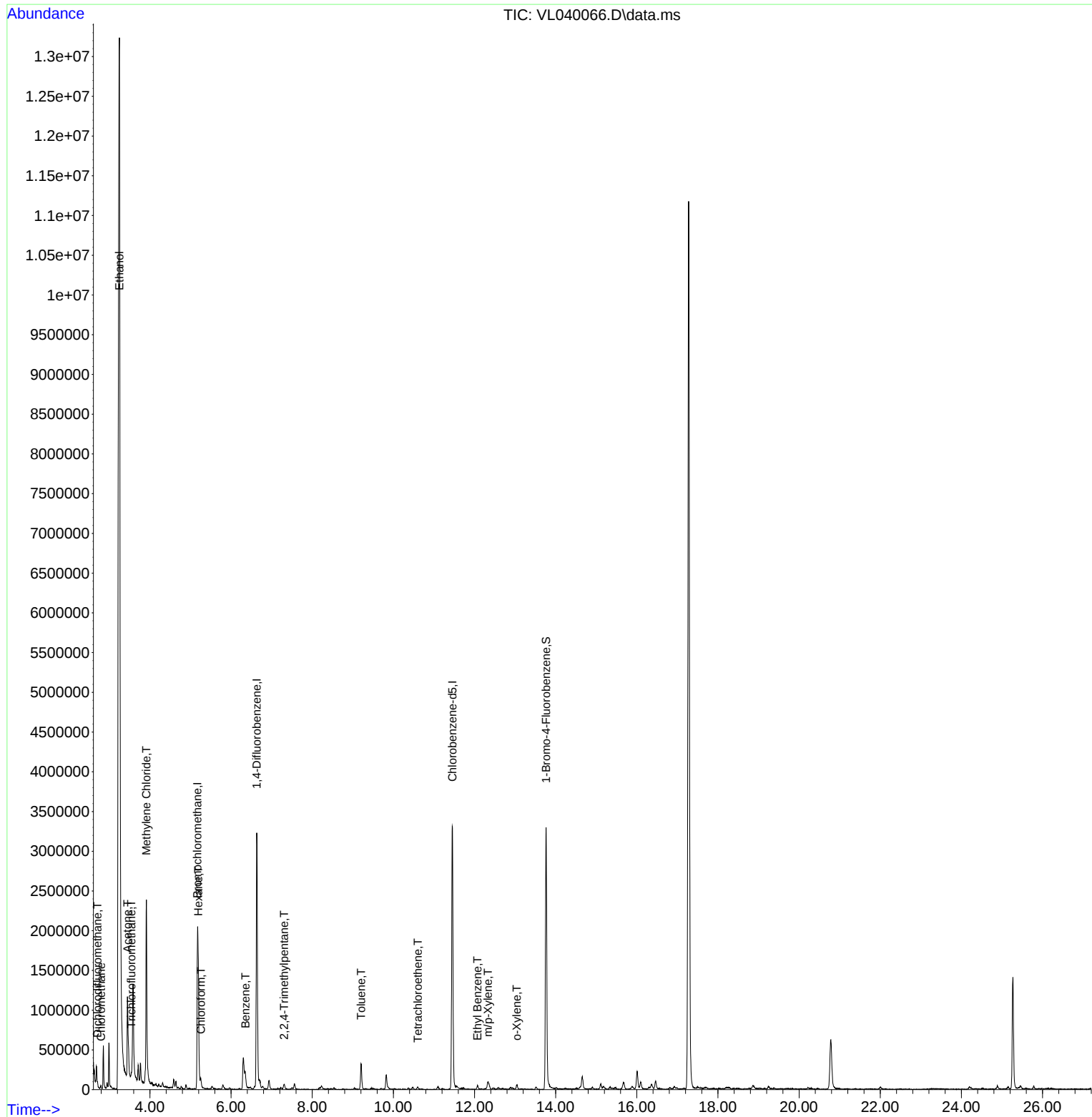
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122222\
Data File : VL040066.D
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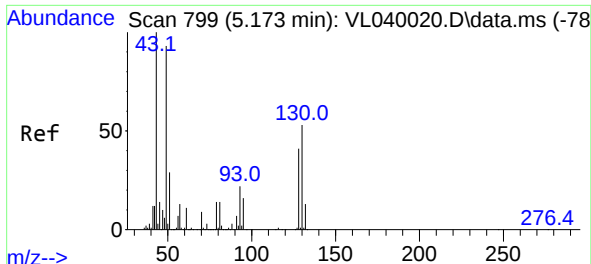
Instrument :
MSVOA_L
ClientSampleId :
IA2

Quant Time: Dec 23 06:28:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

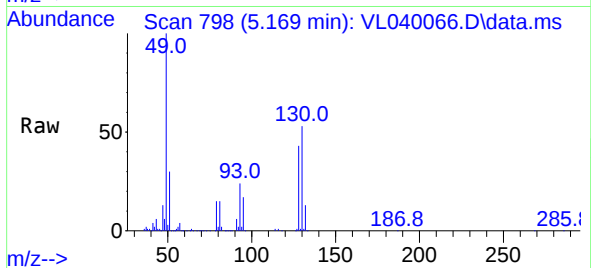
Reviewed By :Krupa Patel 12/27/2022
Supervised By :Mahesh Dadoda 12/27/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 799
Delta R.T. -0.004 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49

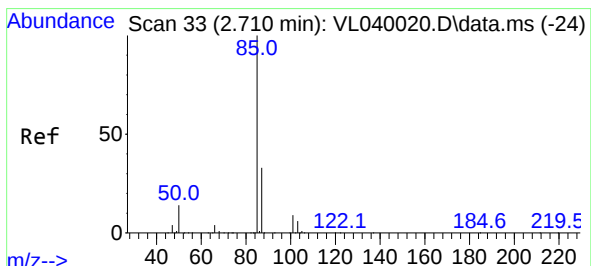
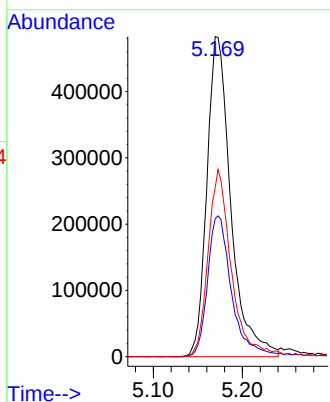
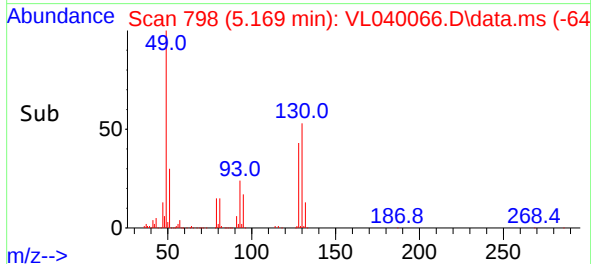
Instrument :
MSVOA_L
ClientSampleId :
IA2



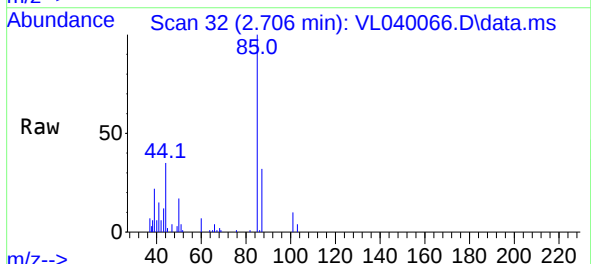
Tgt Ion: 49 Resp: 90123
Ion Ratio Lower Upper
49 100
128 44.7 22.4 67.3
130 57.9 28.9 86.8

Manual Integrations
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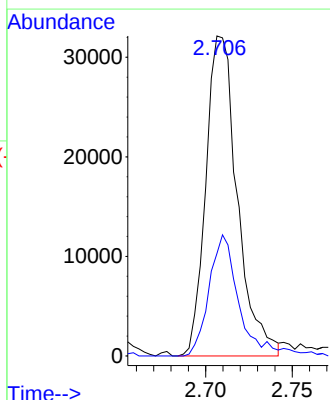
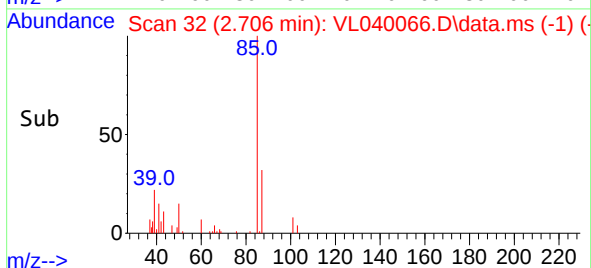
Reviewed By :Krupa Patel 12/27/2022
Supervised By :Mahesh Dadoda 12/27/2022

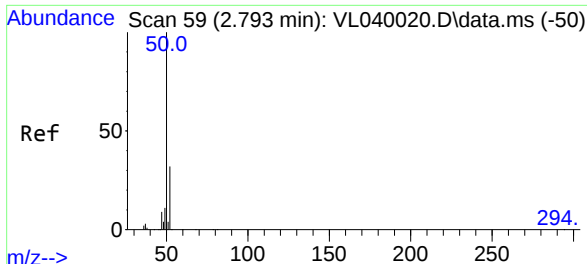


#2
Dichlorodifluoromethane
Concen: 0.241 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.003 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49



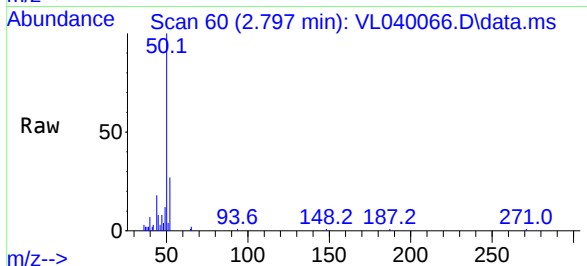
Tgt Ion: 85 Resp: 40690
Ion Ratio Lower Upper
85 100
87 32.0 26.6 40.0





#4
Chloromethane
Concen: 0.401 ppbv
RT: 2.797 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49

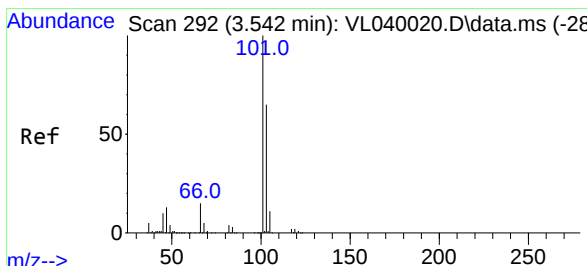
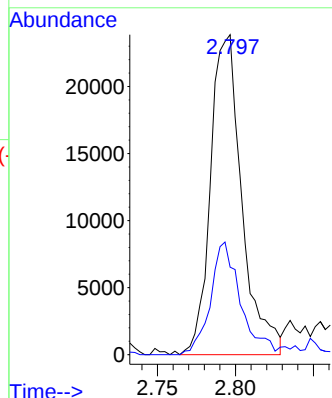
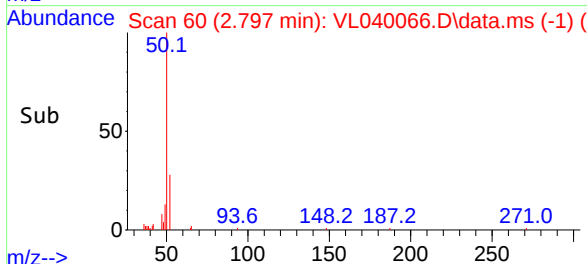
Instrument :
MSVOA_L
ClientSampleId :
IA2



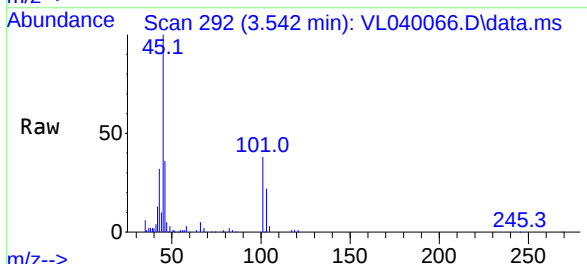
Tgt Ion: 50 Resp: 3340
Ion Ratio Lower Upper
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52 27.4 25.5 38.3

Manual Integrations
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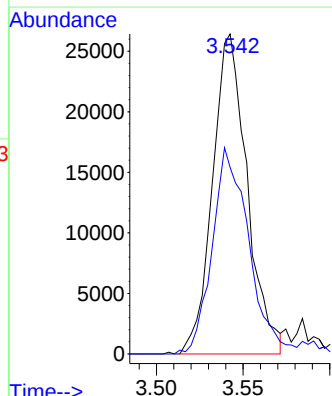
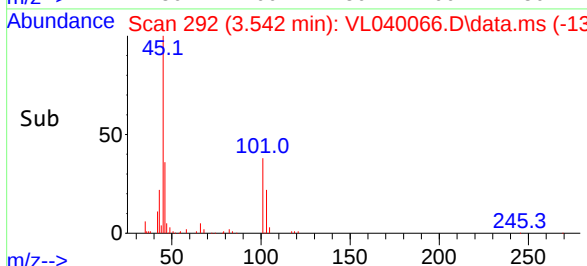
Reviewed By :Krupa Patel 12/27/2022
Supervised By :Mahesh Dadoda 12/27/2022

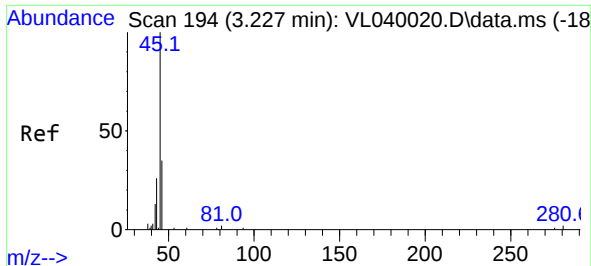


#11
Trichlorofluoromethane
Concen: 0.200 ppbv
RT: 3.542 min Scan# 292
Delta R.T. 0.000 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49



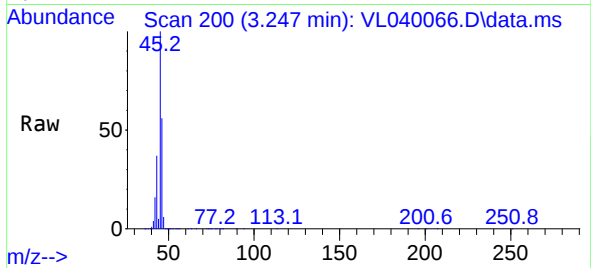
Tgt Ion:101 Resp: 36677
Ion Ratio Lower Upper
101 100
103 57.1 51.7 77.5





#13
Ethanol
Concen: 3971.799 ppbv
RT: 3.247 min Scan# 20
Delta R.T. 0.019 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49

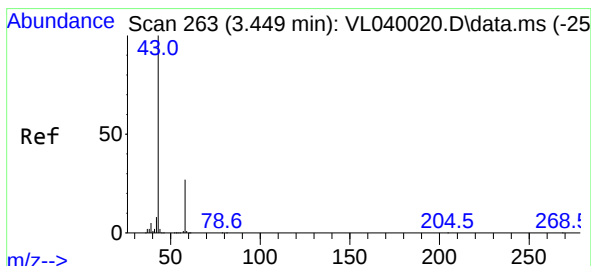
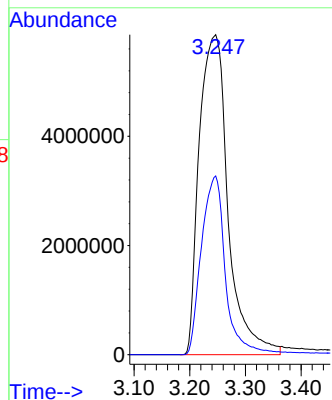
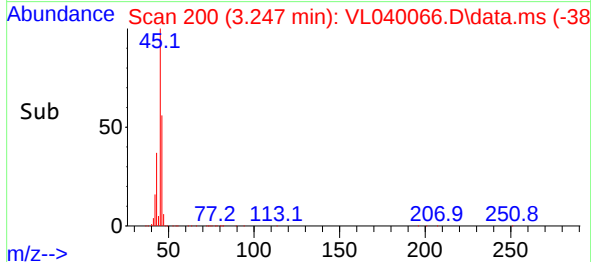
Instrument :
MSVOA_L
ClientSampleId :
IA2



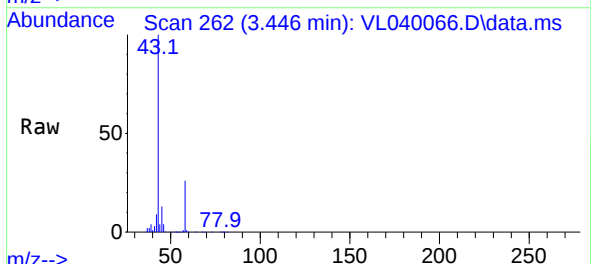
Tgt Ion: 45 Resp: 2109448
Ion Ratio Lower Upper
45 100
46 47.7 13.7 54.7

Manual Integrations
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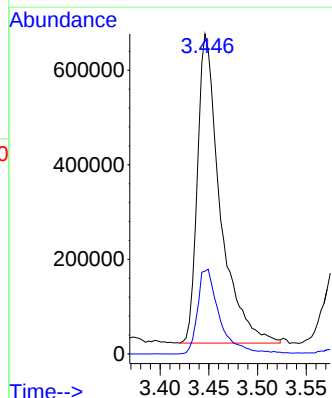
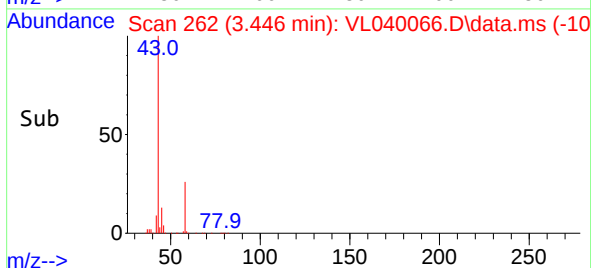
Reviewed By :Krupa Patel 12/27/2022
Supervised By :Mahesh Dadoda 12/27/2022

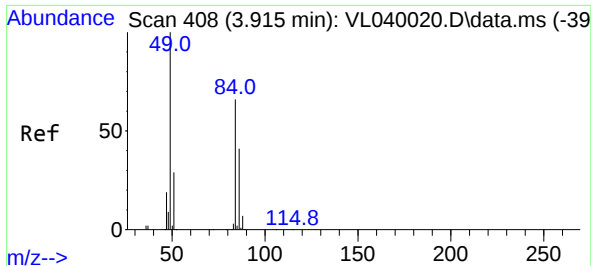


#15
Acetone
Concen: 7.597 ppbv
RT: 3.446 min Scan# 262
Delta R.T. -0.003 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49



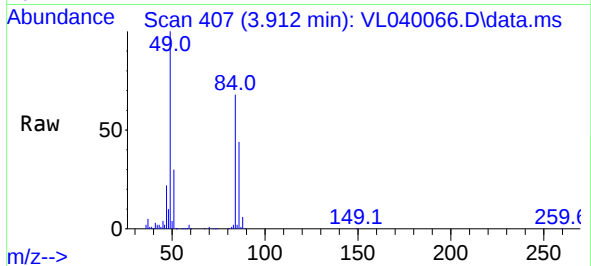
Tgt Ion: 43 Resp: 1059110
Ion Ratio Lower Upper
43 100
58 27.0 21.8 32.8





#20
Methylene Chloride
Concen: 13.744 ppbv
RT: 3.912 min Scan# 407
Delta R.T. -0.003 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49

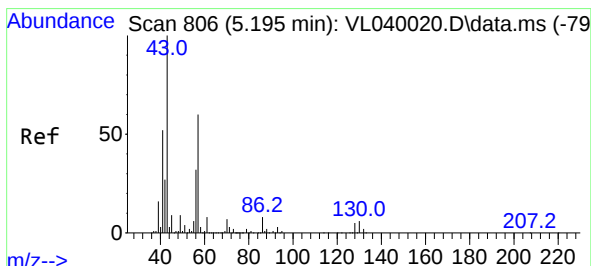
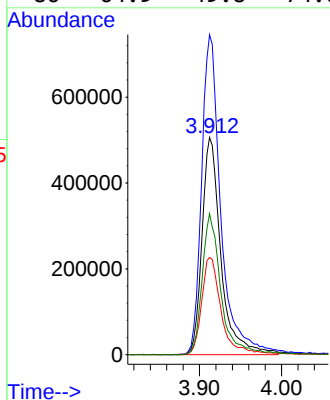
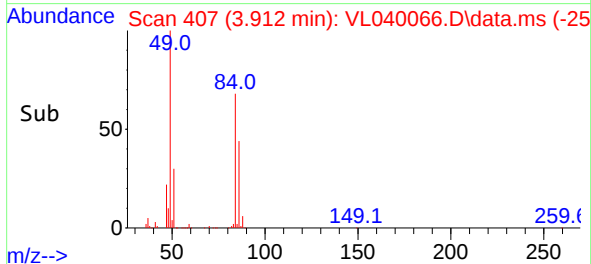
Instrument :
MSVOA_L
ClientSampleId :
IA2



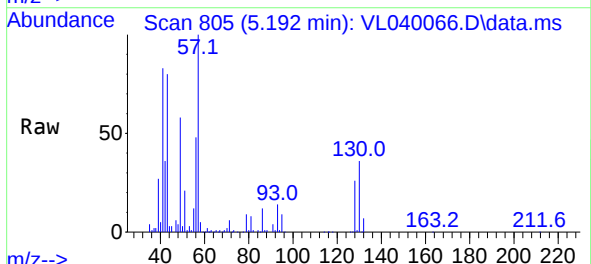
Tgt Ion: 84 Resp: 814498
Ion Ratio Lower Upper
84 100
49 147.2 120.5 180.7
51 44.5 35.2 52.8
86 64.9 49.8 74.6

Manual Integrations
APPROVED

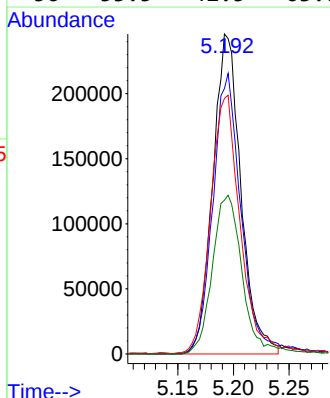
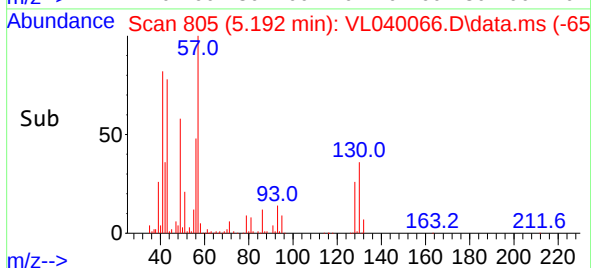
Reviewed By :Krupa Patel 12/27/2022
Supervised By :Mahesh Dadoda 12/27/2022

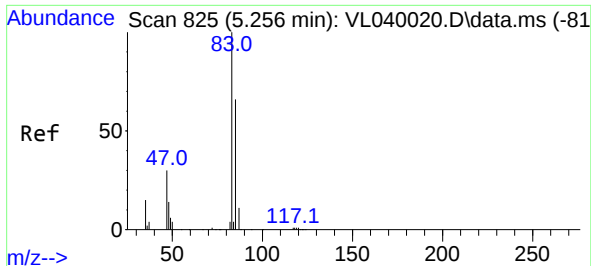


#26
Hexane
Concen: 4.255 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.003 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49



Tgt Ion: 57 Resp: 431750
Ion Ratio Lower Upper
57 100
41 89.5 72.1 108.1
43 87.5 192.1 288.1#
56 53.5 42.5 63.7





#29

Chloroform

Concen: 0.334 ppbv

RT: 5.256 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040066.D

Acq: 22 Dec 2022 13:49

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion: 83 Resp: 51738

Ion Ratio Lower Upper

83 100

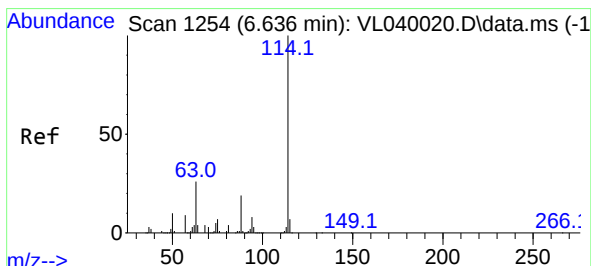
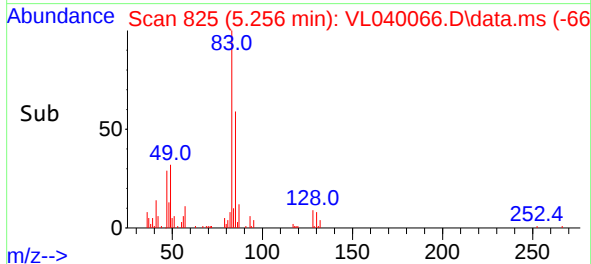
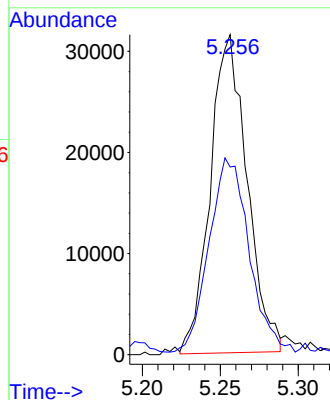
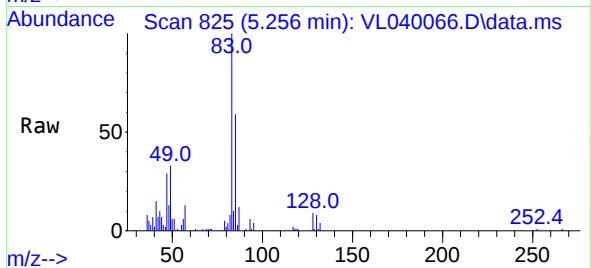
85 57.0 52.4 78.6

Manual Integrations

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Reviewed By :Krupa Patel 12/27/2022

Supervised By :Mahesh Dadoda 12/27/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. -0.003 min

Lab File: VL040066.D

Acq: 22 Dec 2022 13:49

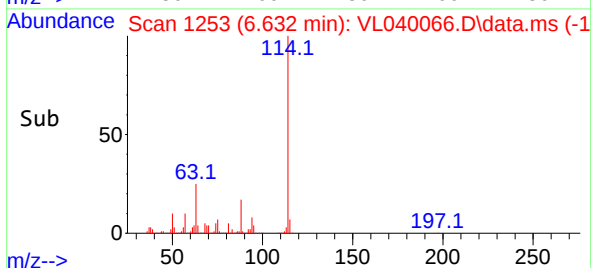
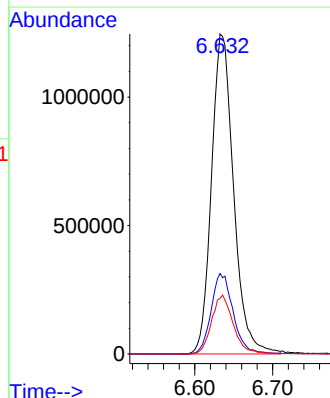
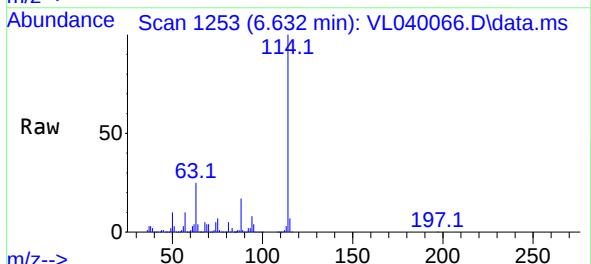
Tgt Ion:114 Resp: 2456007

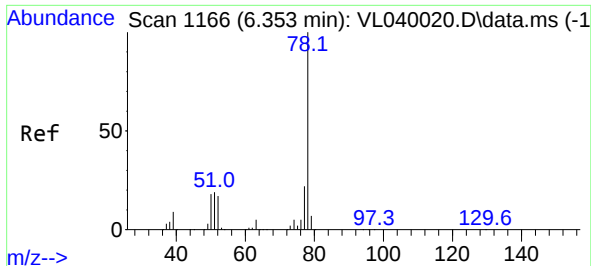
Ion Ratio Lower Upper

114 100

63 25.3 20.2 30.2

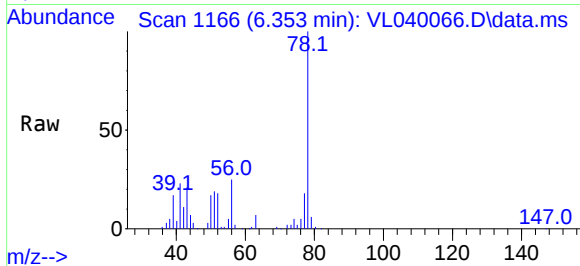
88 18.1 14.6 21.8





#36
Benzene
Concen: 0.530 ppbv
RT: 6.353 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49

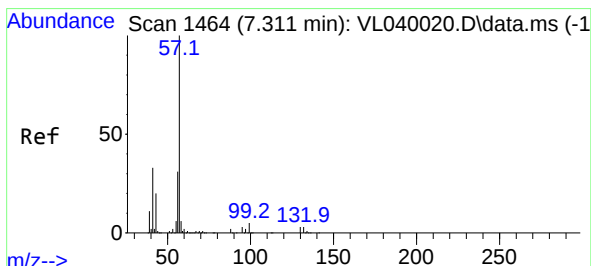
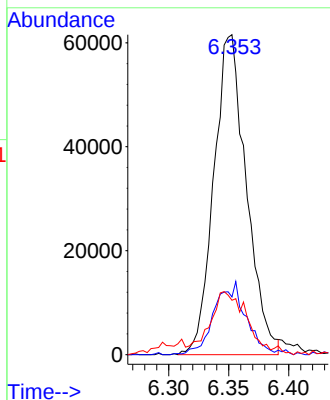
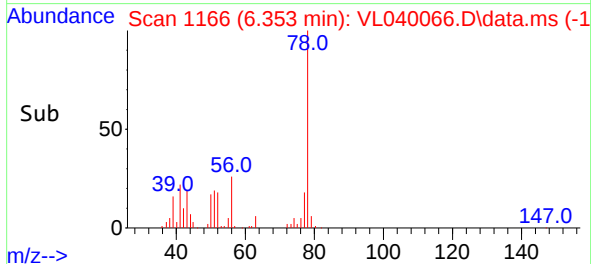
Instrument :
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ClientSampleId :
IA2



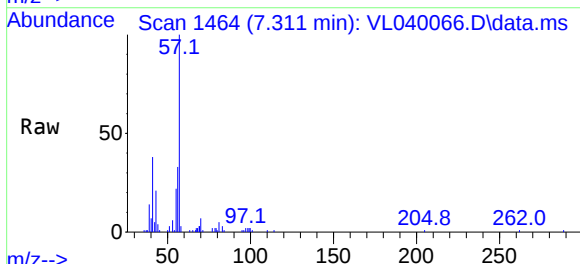
Tgt Ion: 78 Resp: 11616
Ion Ratio Lower Upper
78 100
77 17.7 17.5 26.3
50 14.3 14.2 21.2

Manual Integrations
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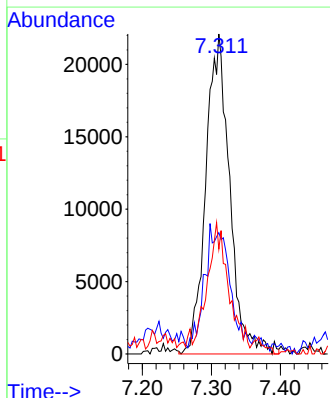
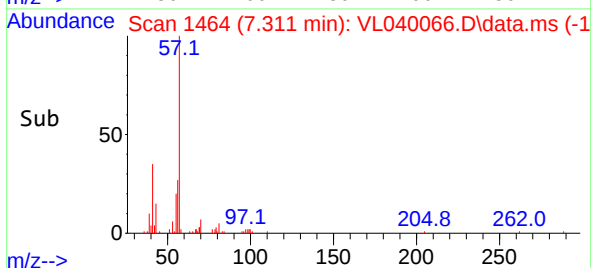
Reviewed By :Krupa Patel 12/27/2022
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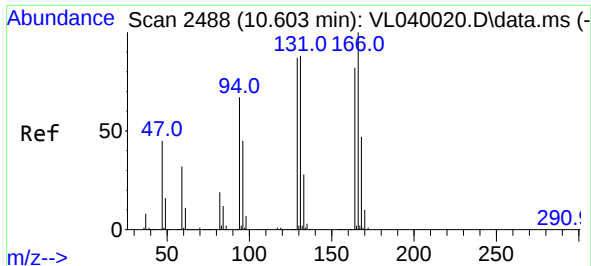


#44
2,2,4-Trimethylpentane
Concen: 0.147 ppbv m
RT: 7.311 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49



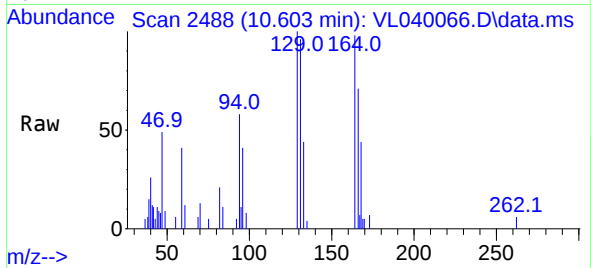
Tgt Ion: 57 Resp: 53032
Ion Ratio Lower Upper
57 100
41 0.0 26.2 39.4#
56 39.7 25.1 37.7#





#52
Tetrachloroethene
Concen: 0.091 ppbv m
RT: 10.603 min Scan# 2488
Delta R.T. 0.000 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49

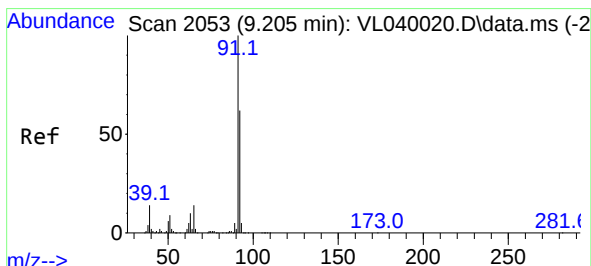
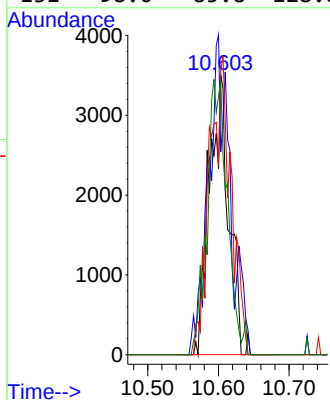
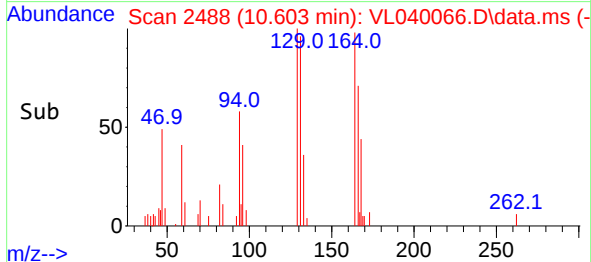
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MSVOA_L
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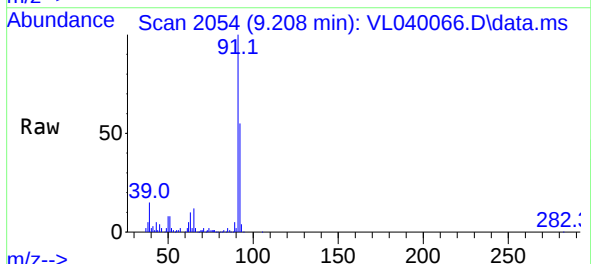
Tgt Ion:164 Resp: 6770
Ion Ratio Lower Upper
164 100
166 72.6 97.4 146.0
129 101.6 84.3 126.5
131 98.0 85.8 128.8

Manual Integrations
APPROVED

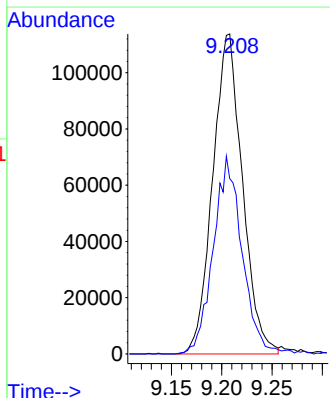
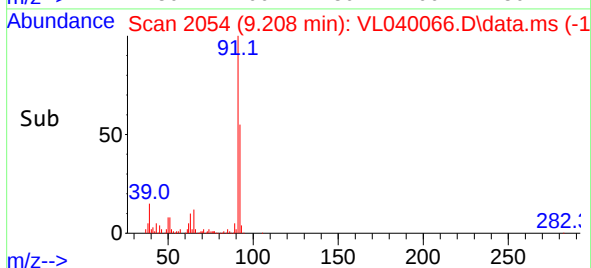
Reviewed By :Krupa Patel 12/27/2022
Supervised By :Mahesh Dadoda 12/27/2022

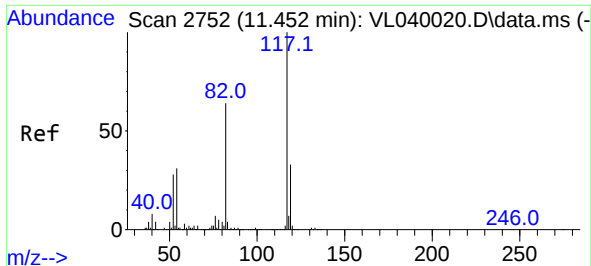


#53
Toluene
Concen: 0.963 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. 0.003 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49



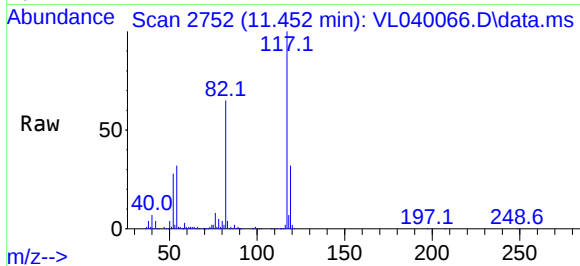
Tgt Ion: 91 Resp: 233988
Ion Ratio Lower Upper
91 100
92 60.2 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 211318
Delta R.T. 0.000 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49

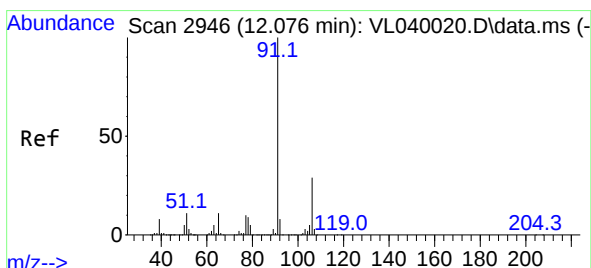
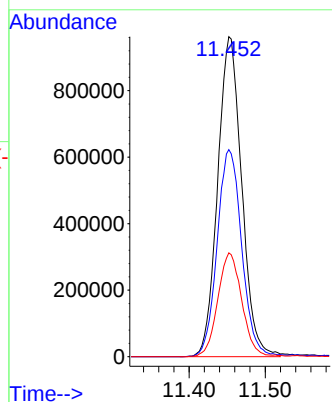
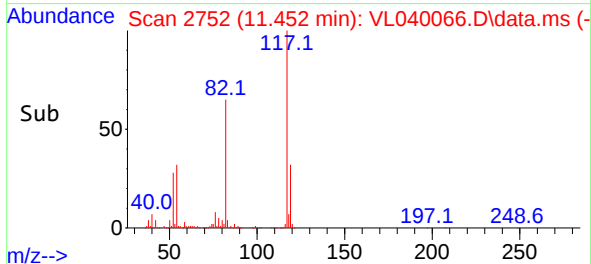
Instrument :
MSVOA_L
ClientSampleId :
IA2



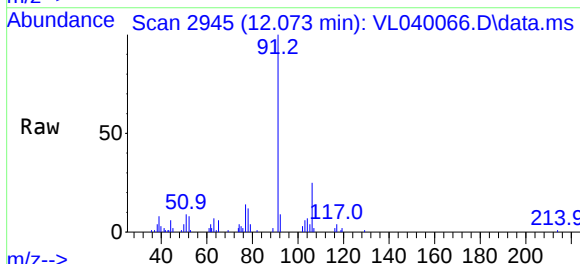
Tgt Ion:117 Resp: 211318
Ion Ratio Lower Upper
117 100
82 67.0 51.2 76.8
119 32.8 23.2 34.8

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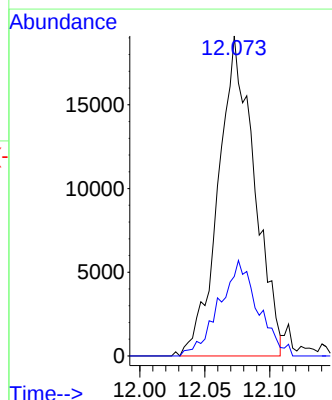
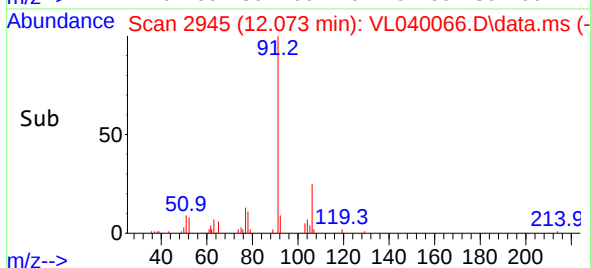
Reviewed By :Krupa Patel 12/27/2022
Supervised By :Mahesh Dadoda 12/27/2022

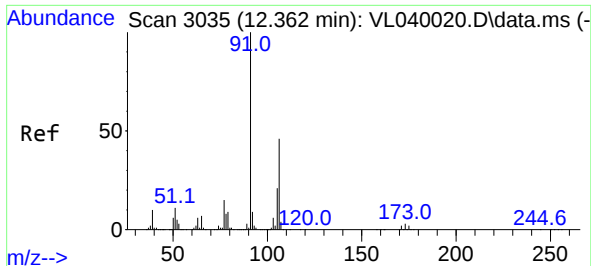


#58
Ethyl Benzene
Concen: 0.123 ppbv
RT: 12.073 min Scan# 2945
Delta R.T. -0.003 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49



Tgt Ion: 91 Resp: 36930
Ion Ratio Lower Upper
91 100
106 24.9 23.5 35.3





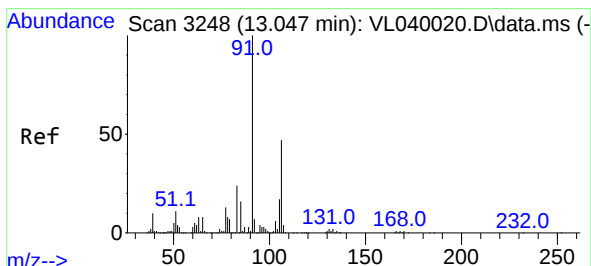
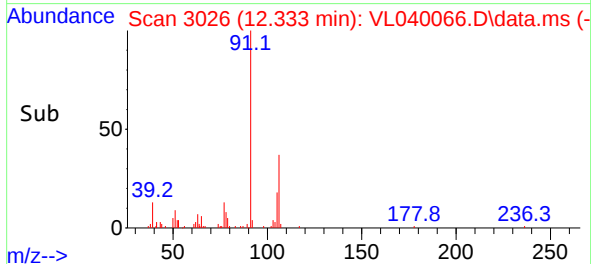
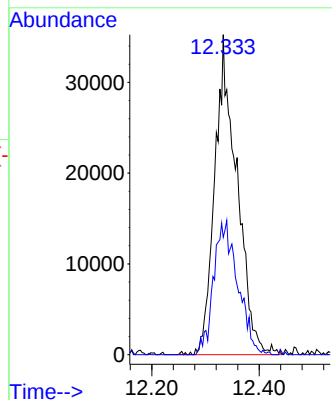
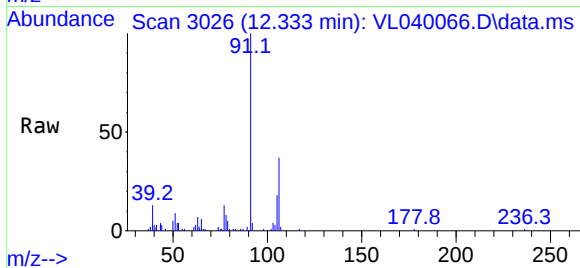
#59
m/p-Xylene
Concen: 0.385 ppbv m
RT: 12.333 min Scan# 3035
Delta R.T. -0.029 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 91 Resp: 100824
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3

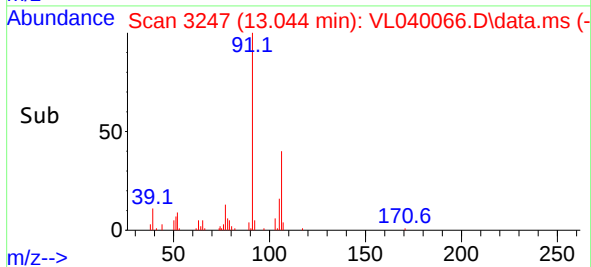
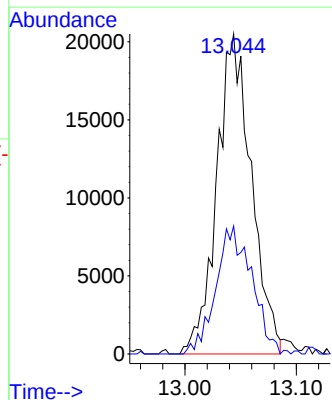
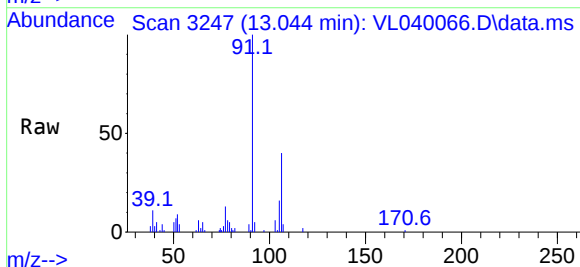
Manual Integrations
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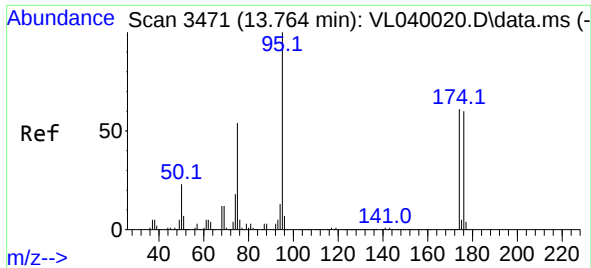
Reviewed By :Krupa Patel 12/27/2022
Supervised By :Mahesh Dadoda 12/27/2022



#60
o-Xylene
Concen: 0.176 ppbv
RT: 13.044 min Scan# 3247
Delta R.T. -0.003 min
Lab File: VL040066.D
Acq: 22 Dec 2022 13:49

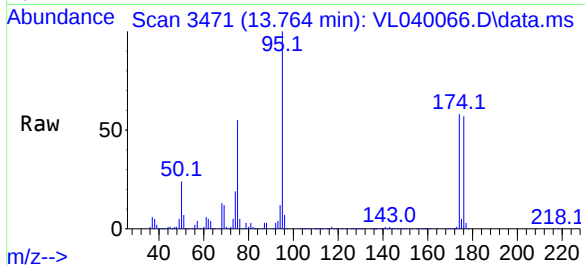
Tgt Ion: 91 Resp: 44196
Ion Ratio Lower Upper
91 100
106 41.6 22.4 67.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.275 ppbv
 RT: 13.764 min Scan# 3471
 Delta R.T. 0.000 min
 Lab File: VL040066.D
 Acq: 22 Dec 2022 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2



Tgt Ion: 95 Resp: 1658610

Ion	Ratio	Lower	Upper
95	100		
174	58.8	48.6	73.0
175	4.3	3.4	5.2

Manual Integrations
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Reviewed By :Krupa Patel 12/27/2022
 Supervised By :Mahesh Dadoda 12/27/2022

