

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
 Data File : VL040847.D
 Acq On : 14 Nov 2023 12:35
 Operator : SY/MD
 Sample : 05275-11
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-IA-9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/20/2023
 Supervised By :Mahesh Dadoda 11/21/2023

Quant Time: Nov 16 04:47:48 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

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

QLast Update : Mon Nov 13 15:42:46 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1060034	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	2707899	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2320569	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1770220	9.743	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
11) Trichlorofluoromethane	3.571	101	37538	0.227	ppbv	95
13) Ethanol	3.250	45	903514	81.579	ppbv #	100
15) Acetone	3.481	43	886993	7.857	ppbv	94
20) Methylene Chloride	3.941	84	174058	3.736	ppbv	96
26) Hexane	5.211	57	1484630m	14.350	ppbv	
36) Benzene	6.359	78	133070	0.605	ppbv	95
38) Trichloroethene	7.282	130	8970m	0.105	ppbv	
44) 2,2,4-Trimethylpentane	7.314	57	167257	0.458	ppbv	89
52) Tetrachloroethene	10.600	164	7720m	0.104	ppbv	
53) Toluene	9.201	91	384068	1.588	ppbv	99
59) m/p-Xylene	12.320	91	261947m	1.016	ppbv	
60) o-Xylene	13.034	91	85763	0.349	ppbv	100
74) 1,2,4-Trimethylbenzene	16.082	105	68226	0.256	ppbv #	62

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

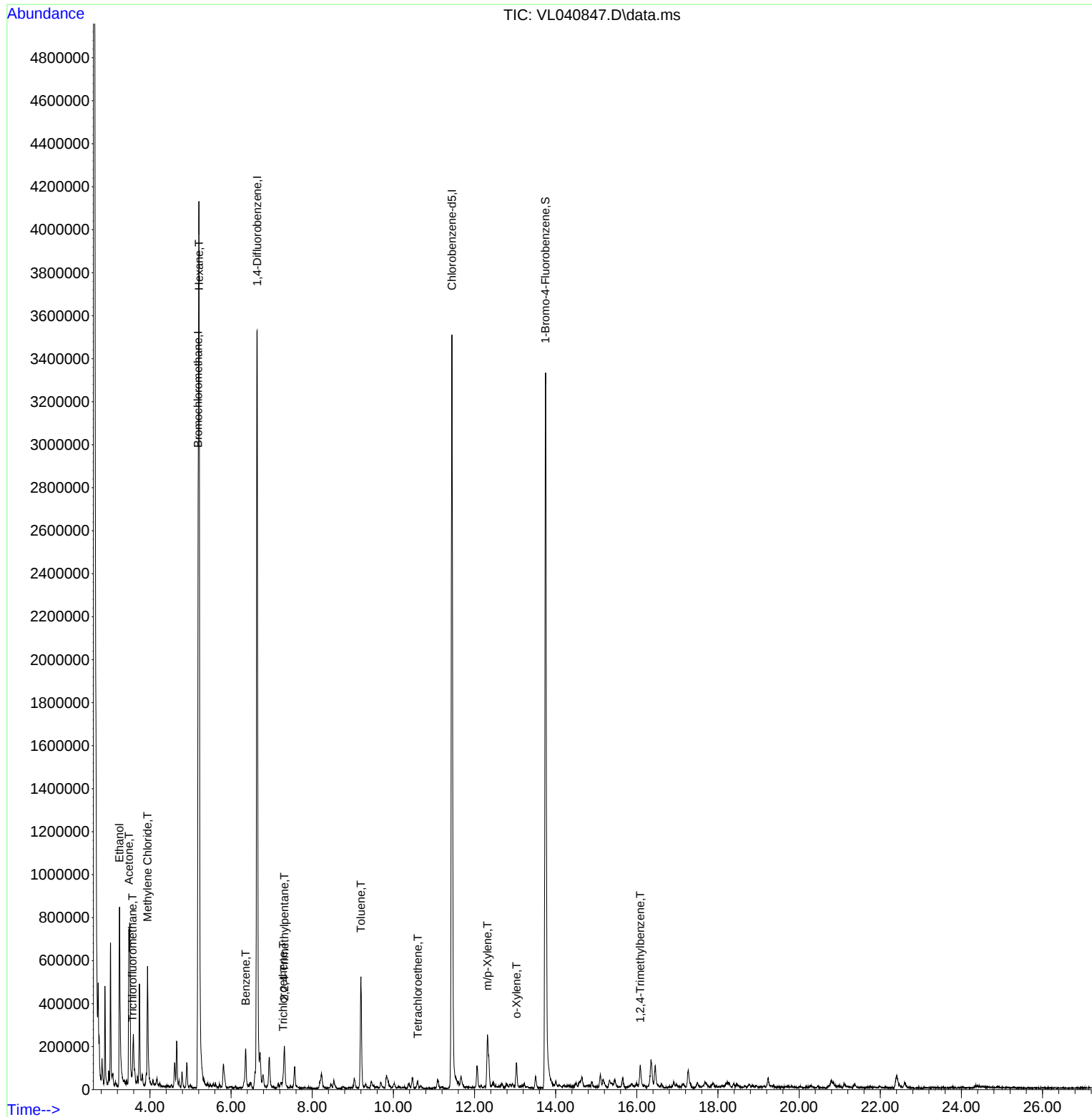
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
Data File : VL040847.D
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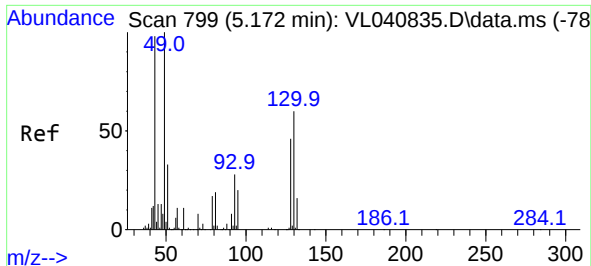
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9

Quant Time: Nov 16 04:47:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Nov 13 15:42:46 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

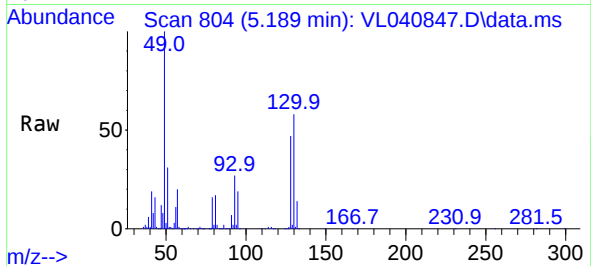
Reviewed By : Semsettin Yesilyurt 11/20/2023
Supervised By : Mahesh Dadoda 11/21/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.017 min
Lab File: VL040847.D
Acq: 14 Nov 2023 12:35

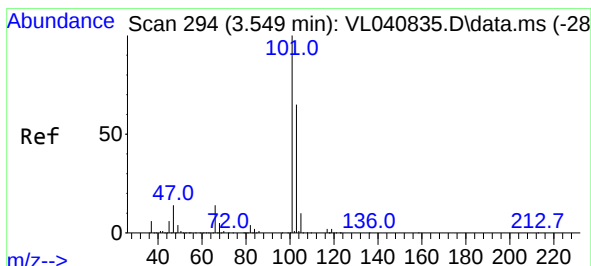
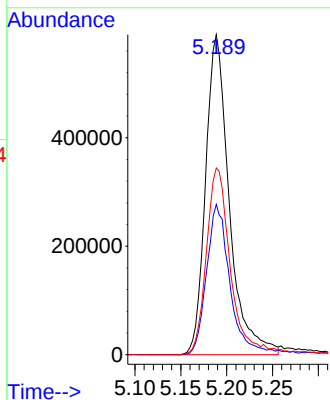
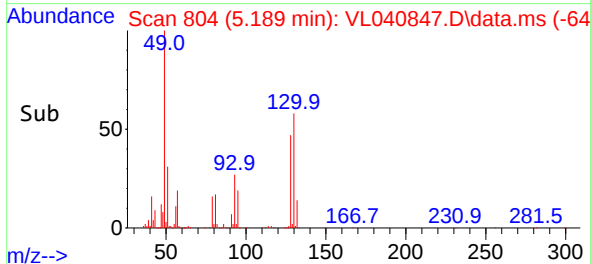
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9



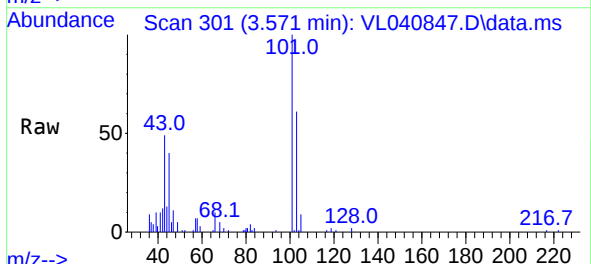
Tgt Ion: 49 Resp: 1060034
Ion Ratio Lower Upper
49 100
128 46.9 23.8 71.2
130 61.2 30.9 92.8

Manual Integrations
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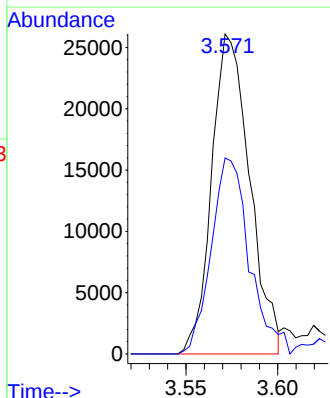
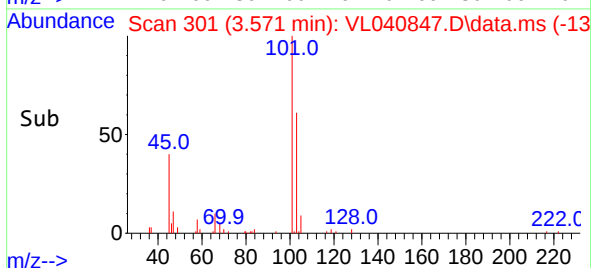
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

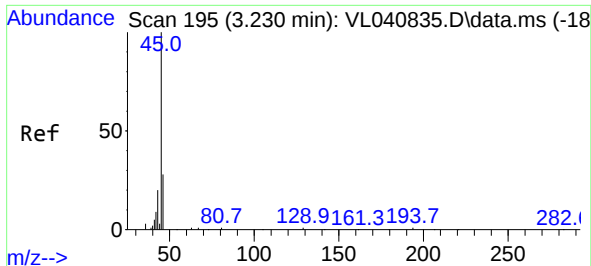


#11
Trichlorofluoromethane
Concen: 0.227 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.023 min
Lab File: VL040847.D
Acq: 14 Nov 2023 12:35



Tgt Ion:101 Resp: 37538
Ion Ratio Lower Upper
101 100
103 61.3 51.8 77.8





#13

Ethanol

Concen: 81.579 ppbv

RT: 3.250 min Scan# 201

Delta R.T. 0.019 min

Lab File: VL040847.D

Acq: 14 Nov 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

NT-IA-9

Tgt Ion: 45 Resp: 903514

Ion Ratio Lower Upper

45 100

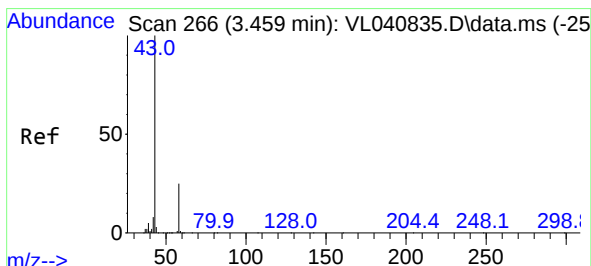
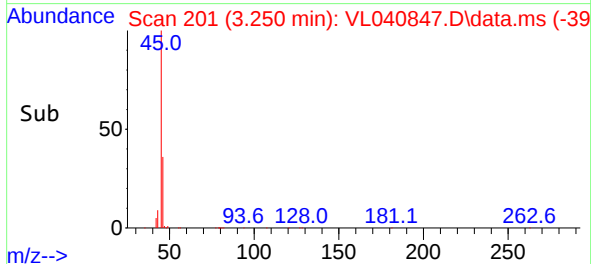
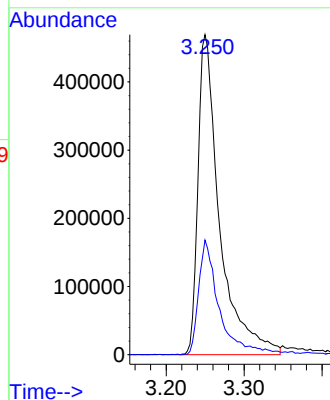
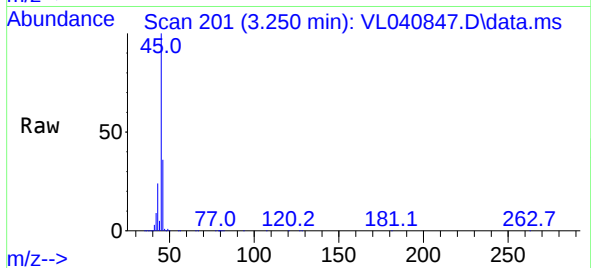
46 35.1 0.0 0.0

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Reviewed By :Semsettin Yesilyurt 11/20/2023

Supervised By :Mahesh Dadoda 11/21/2023



#15

Acetone

Concen: 7.857 ppbv

RT: 3.481 min Scan# 273

Delta R.T. 0.023 min

Lab File: VL040847.D

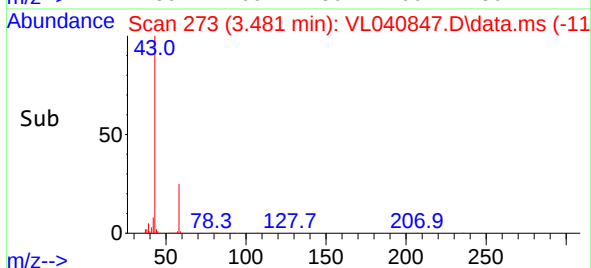
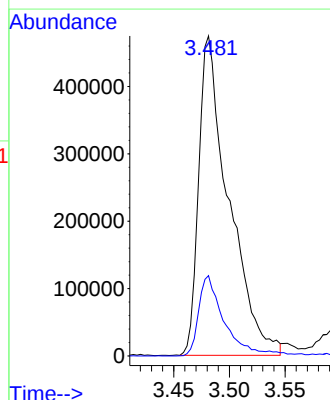
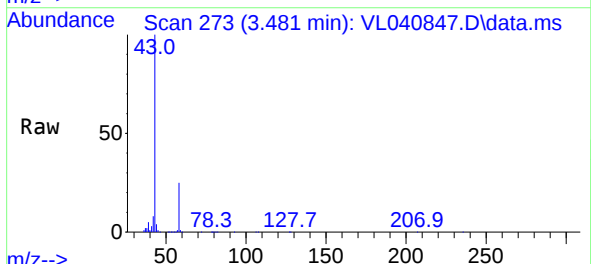
Acq: 14 Nov 2023 12:35

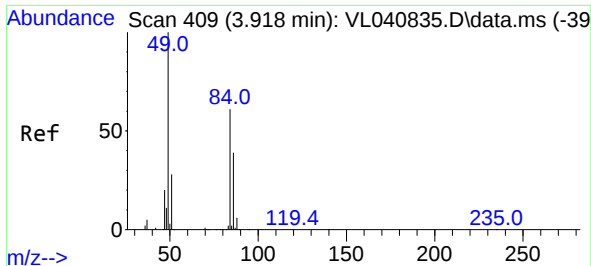
Tgt Ion: 43 Resp: 886993

Ion Ratio Lower Upper

43 100

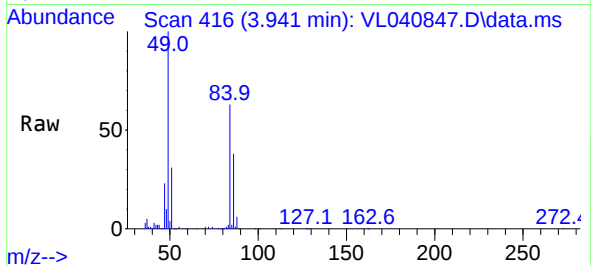
58 22.9 20.9 31.3





#20
Methylene Chloride
Concen: 3.736 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.023 min
Lab File: VL040847.D
Acq: 14 Nov 2023 12:35

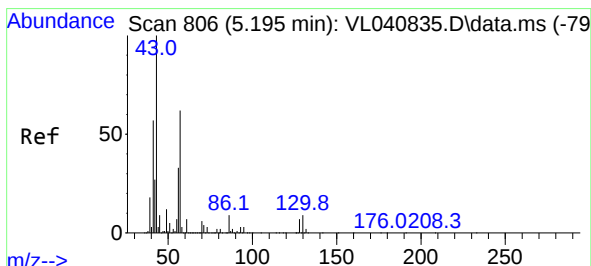
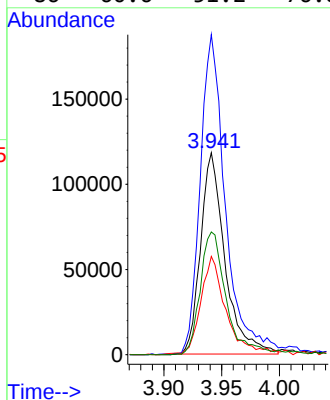
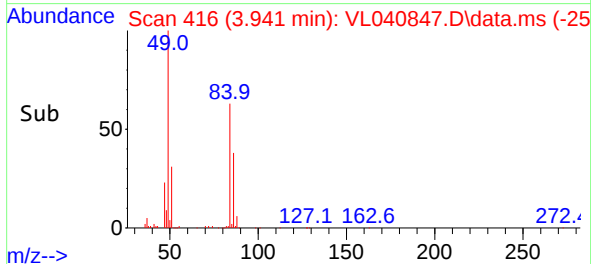
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9



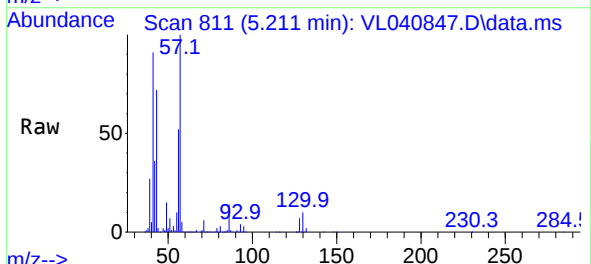
Tgt Ion: 84 Resp: 174058
Ion Ratio Lower Upper
84 100
49 158.3 131.0 196.4
51 47.9 36.9 55.3
86 60.6 51.2 76.8

Manual Integrations
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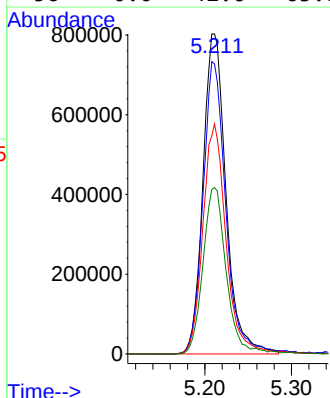
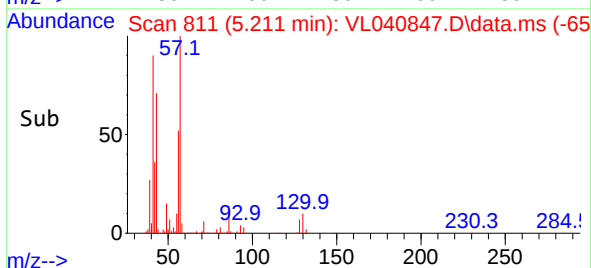
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

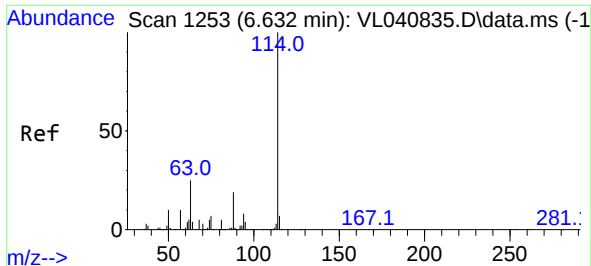


#26
Hexane
Concen: 14.350 ppbv m
RT: 5.211 min Scan# 811
Delta R.T. 0.016 min
Lab File: VL040847.D
Acq: 14 Nov 2023 12:35



Tgt Ion: 57 Resp: 1484630
Ion Ratio Lower Upper
57 100
41 0.0 75.4 113.0#
43 0.0 185.9 278.9#
56 0.0 42.6 63.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 118

Delta R.T. 0.010 min

Lab File: VL040847.D

Acq: 14 Nov 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

NT-IA-9

Tgt Ion:114 Resp: 270789

Ion Ratio Lower Upper

114 100

63 25.2 20.9 31.3

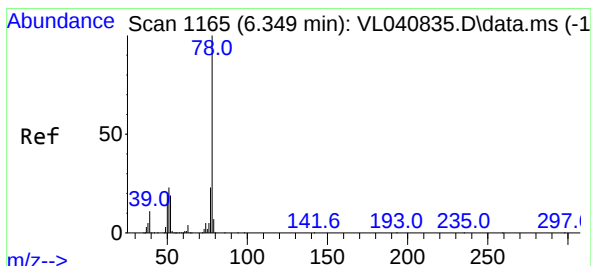
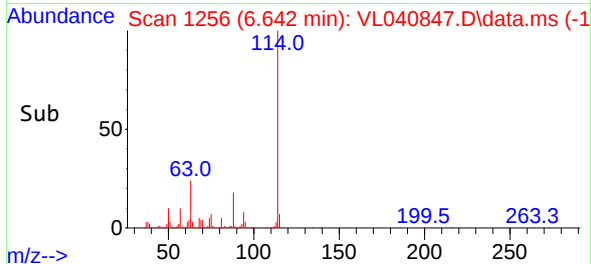
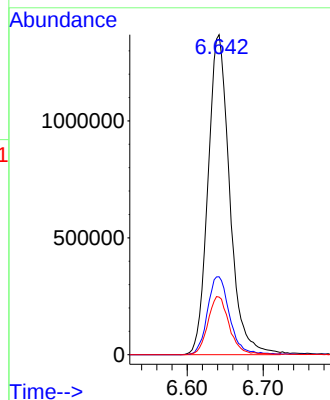
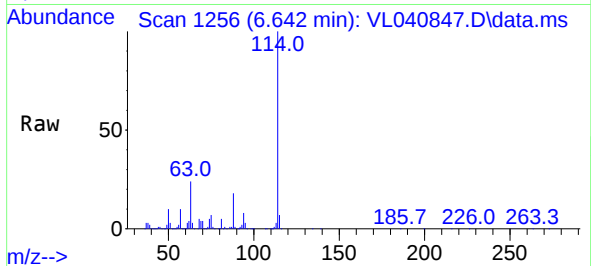
88 18.2 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/20/2023

Supervised By :Mahesh Dadoda 11/21/2023



#36

Benzene

Concen: 0.605 ppbv

RT: 6.359 min Scan# 1168

Delta R.T. 0.010 min

Lab File: VL040847.D

Acq: 14 Nov 2023 12:35

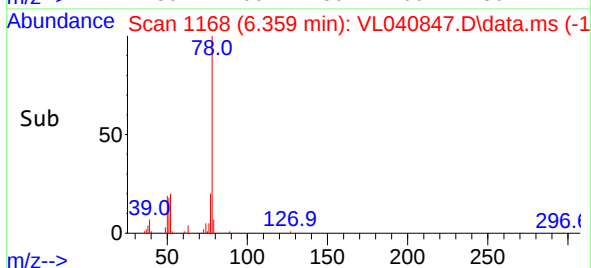
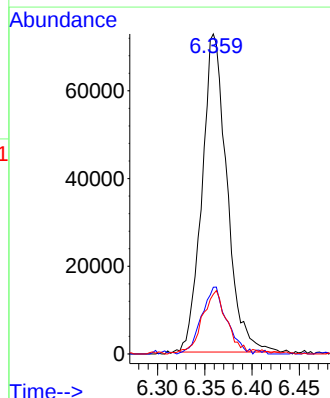
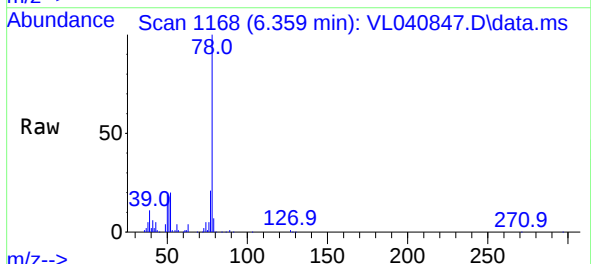
Tgt Ion: 78 Resp: 133070

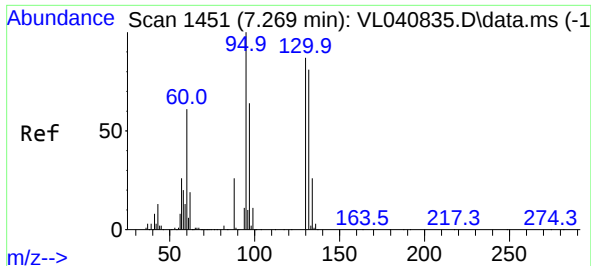
Ion Ratio Lower Upper

78 100

77 21.0 18.4 27.6

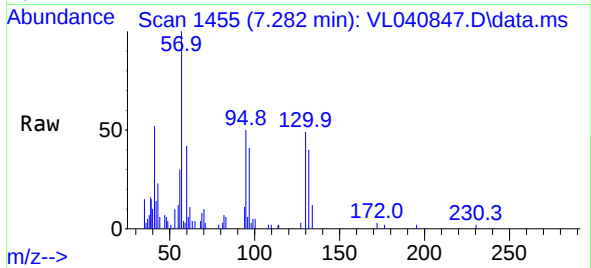
50 17.7 16.2 24.2





#38
Trichloroethene
Concen: 0.105 ppbv m
RT: 7.282 min Scan# 1455
Delta R.T. 0.013 min
Lab File: VL040847.D
Acq: 14 Nov 2023 12:35

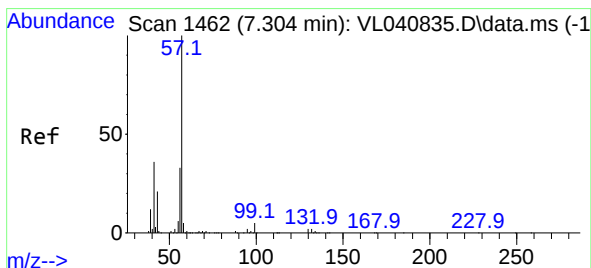
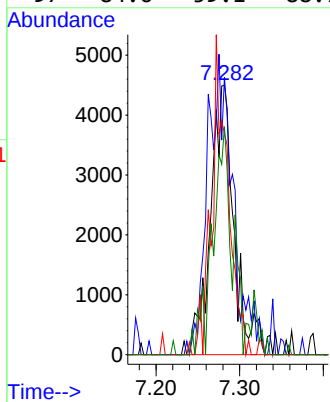
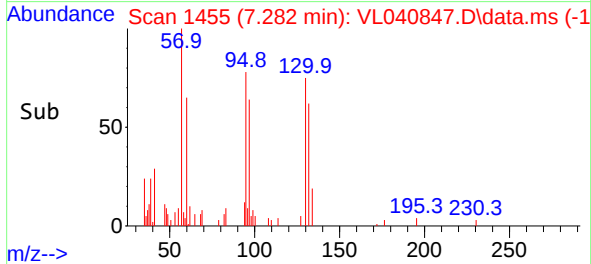
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9



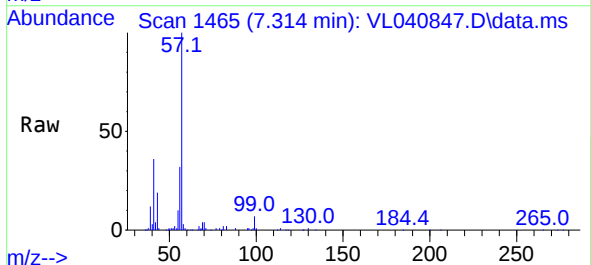
Tgt Ion:130 Resp: 8970
Ion Ratio Lower Upper
130 100
95 103.0 92.4 138.6
132 82.1 75.1 112.7
97 84.6 59.1 88.7

Manual Integrations
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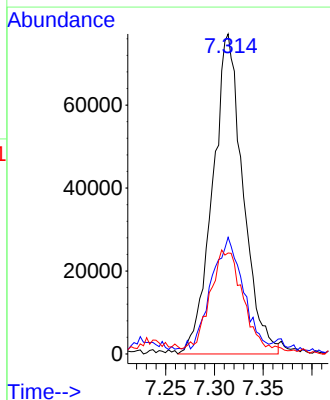
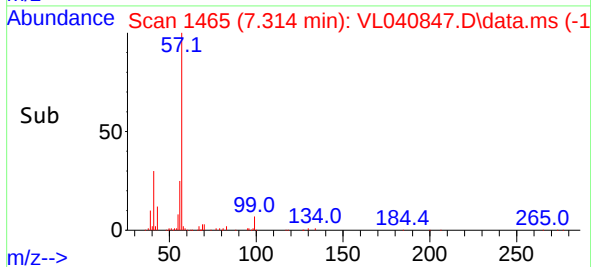
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

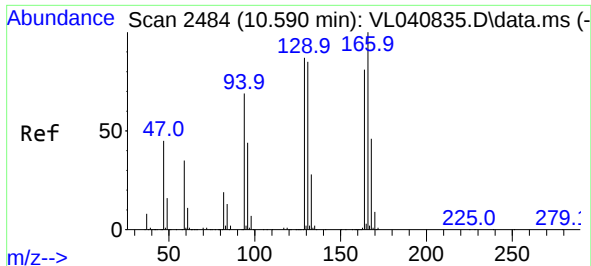


#44
2,2,4-Trimethylpentane
Concen: 0.458 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. 0.010 min
Lab File: VL040847.D
Acq: 14 Nov 2023 12:35



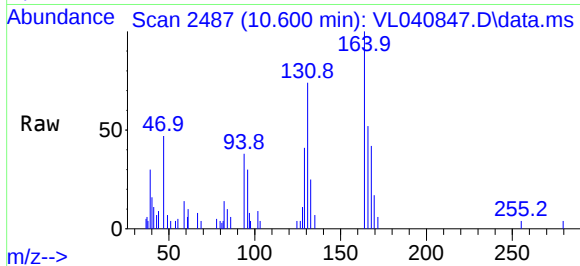
Tgt Ion: 57 Resp: 167257
Ion Ratio Lower Upper
57 100
41 43.2 29.0 43.6
56 37.6 25.2 37.8





#52
Tetrachloroethene
Concen: 0.104 ppbv m
RT: 10.600 min Scan# 2484
Delta R.T. 0.010 min
Lab File: VL040847.D
Acq: 14 Nov 2023 12:35

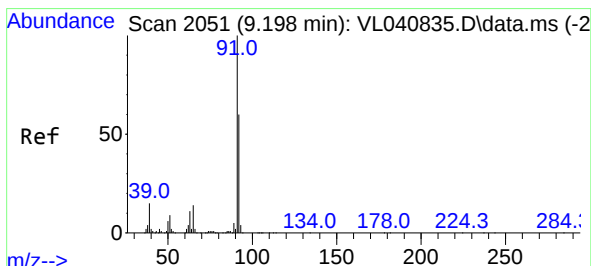
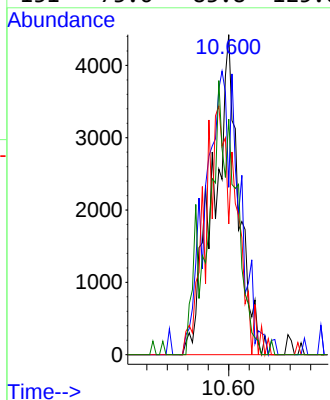
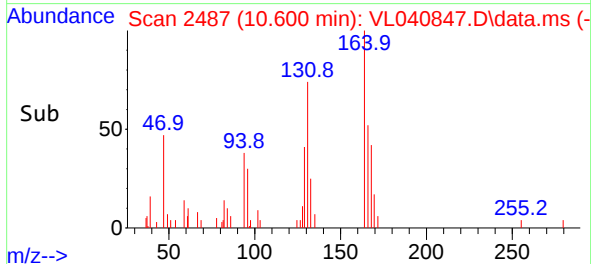
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9



Tgt Ion:164 Resp: 7720
Ion Ratio Lower Upper
164 100
166 52.3 98.3 147.5
129 40.9 85.1 127.7
131 73.6 83.8 125.6

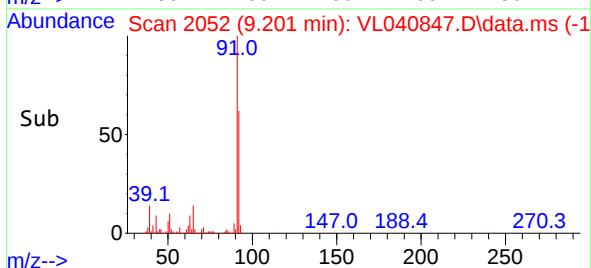
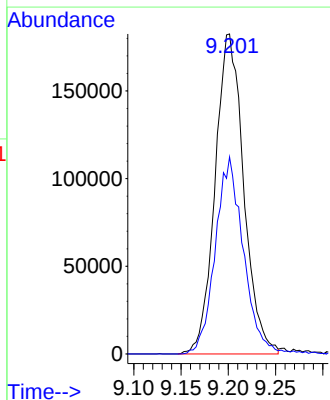
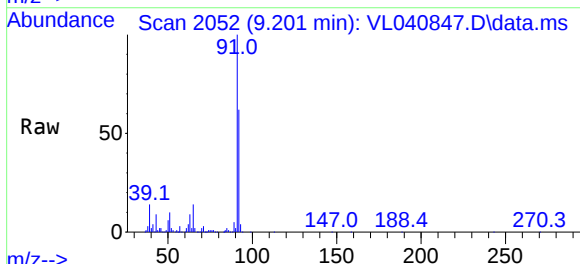
Manual Integrations
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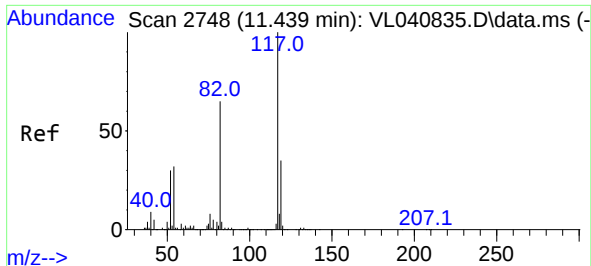
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#53
Toluene
Concen: 1.588 ppbv
RT: 9.201 min Scan# 2052
Delta R.T. 0.003 min
Lab File: VL040847.D
Acq: 14 Nov 2023 12:35

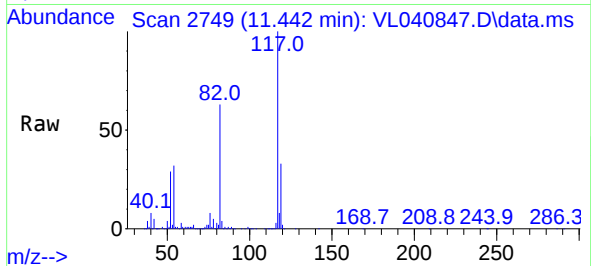
Tgt Ion: 91 Resp: 384068
Ion Ratio Lower Upper
91 100
92 60.8 49.4 74.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040847.D
Acq: 14 Nov 2023 12:35

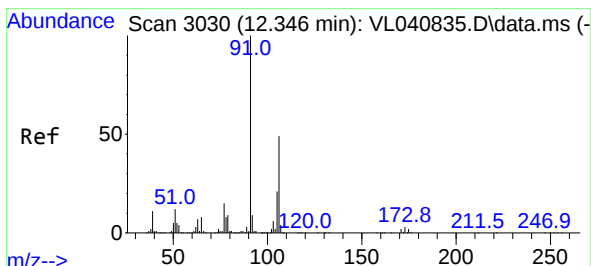
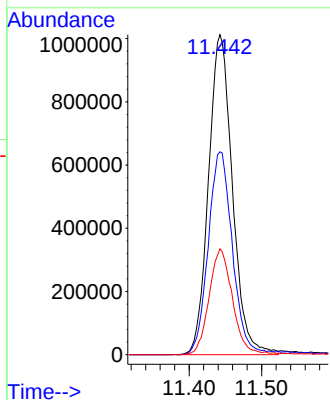
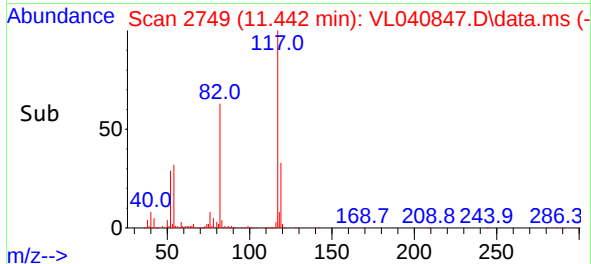
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9



Tgt Ion:117 Resp: 232056
Ion Ratio Lower Upper
117 100
82 65.7 50.6 75.8
119 32.8 23.3 34.9

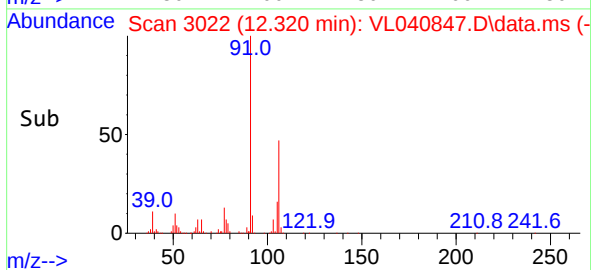
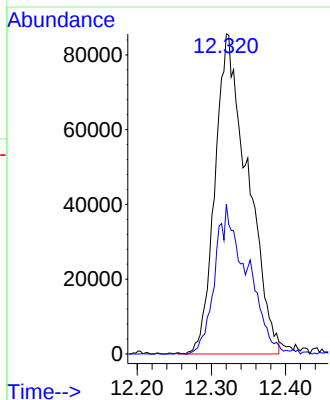
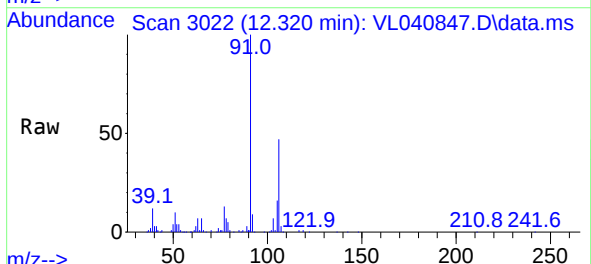
Manual Integrations
APPROVED

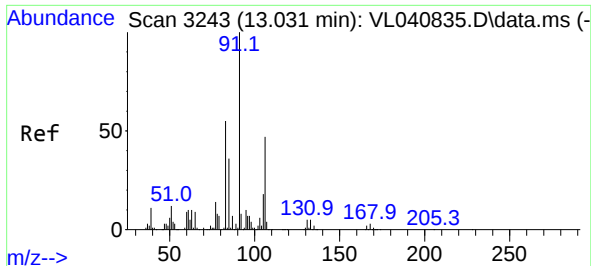
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#59
m/p-Xylene
Concen: 1.016 ppbv m
RT: 12.320 min Scan# 3022
Delta R.T. -0.026 min
Lab File: VL040847.D
Acq: 14 Nov 2023 12:35

Tgt Ion: 91 Resp: 261947
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.0#





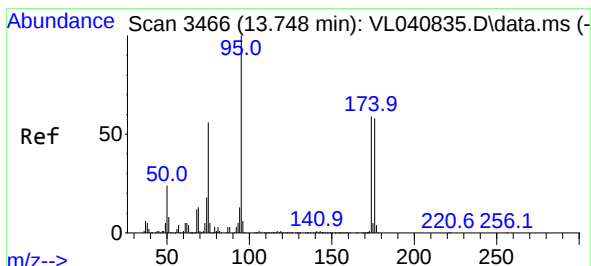
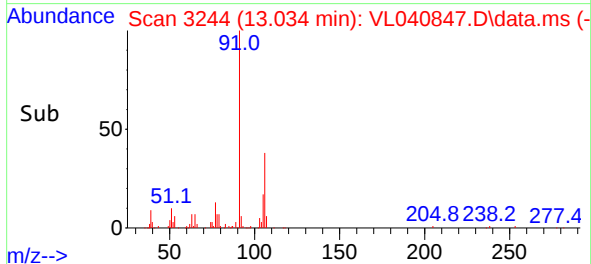
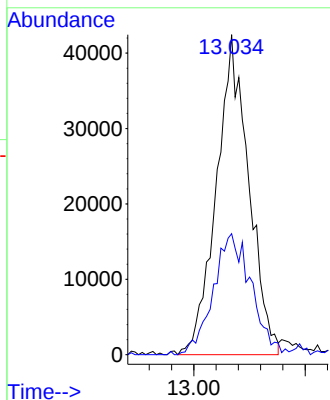
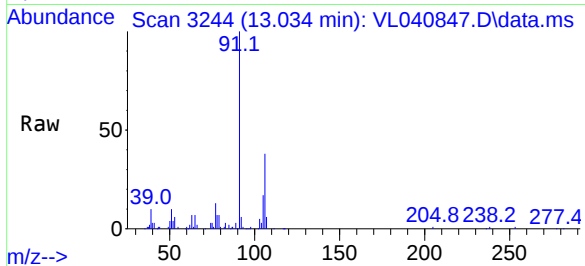
#60
o-Xylene
Concen: 0.349 ppbv
RT: 13.034 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040847.D
Acq: 14 Nov 2023 12:35

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9

Tgt Ion: 91 Resp: 8576
Ion Ratio Lower Upper
91 100
106 45.8 22.9 68.5

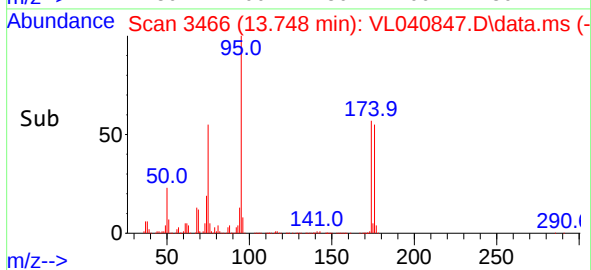
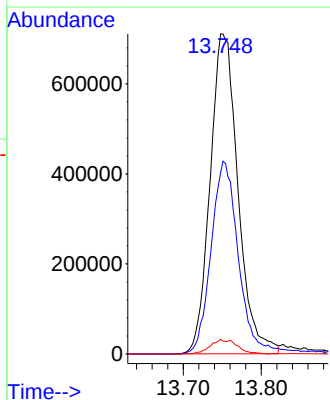
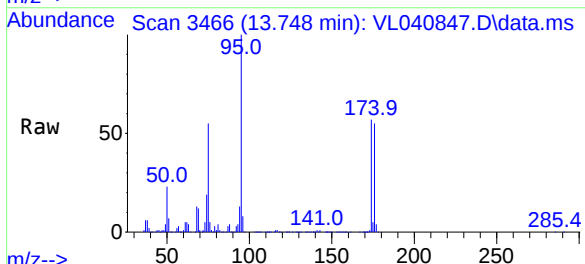
Manual Integrations
APPROVED

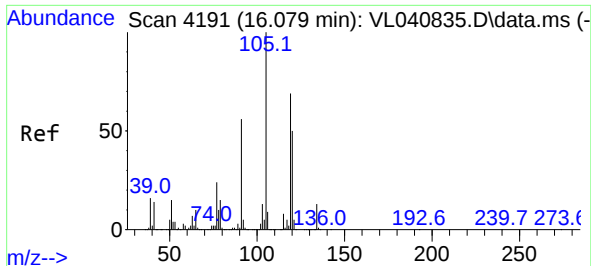
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.743 ppbv
RT: 13.748 min Scan# 3466
Delta R.T. 0.000 min
Lab File: VL040847.D
Acq: 14 Nov 2023 12:35

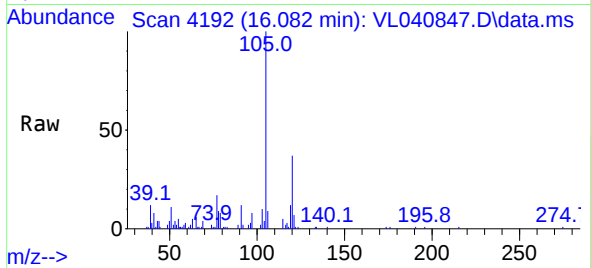
Tgt Ion: 95 Resp: 1770220
Ion Ratio Lower Upper
95 100
174 60.6 47.5 71.3
175 4.5 3.6 5.4





#74
1,2,4-Trimethylbenzene
Concen: 0.256 ppbv
RT: 16.082 min Scan# 4192
Delta R.T. 0.003 min
Lab File: VL040847.D
Acq: 14 Nov 2023 12:35

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-9



Tgt Ion:105 Resp: 68220
Ion Ratio Lower Upper
105 100
120 36.2 40.2 60.2
91 10.7 45.7 68.5
77 15.5 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

