

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
 Data File : VL040851.D
 Acq On : 14 Nov 2023 15:18
 Operator : SY/MD
 Sample : 05399-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023

Quant Time: Nov 16 04:48:24 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	5.192	49	1071806	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	2754327	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2409227	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1842404	9.768	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%
Target Compounds						
					Qvalue	
13) Ethanol	3.263	45	5788608	516.916	ppbv #	100
15) Acetone	3.478	43	8474187	74.236	ppbv	98
20) Methylene Chloride	3.941	84	1089721	23.132	ppbv	97
23) Vinyl Acetate	4.620	43	131383	0.891	ppbv #	32
26) Hexane	5.208	57	785752	7.511	ppbv #	51
36) Benzene	6.359	78	111769	0.500	ppbv	96
44) 2,2,4-Trimethylpentane	7.311	57	170468	0.459	ppbv #	85
52) Tetrachloroethene	10.594	164	36053m	0.479	ppbv	
53) Toluene	9.201	91	811365	3.298	ppbv	99
58) Ethyl Benzene	12.063	91	223483	0.711	ppbv	97
59) m/p-Xylene	12.317	91	498251	1.861	ppbv	97
60) o-Xylene	13.031	91	198011	0.777	ppbv	99
73) 1,3,5-Trimethylbenzene	15.323	105	73948	0.298	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.079	105	203411	0.736	ppbv #	60

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

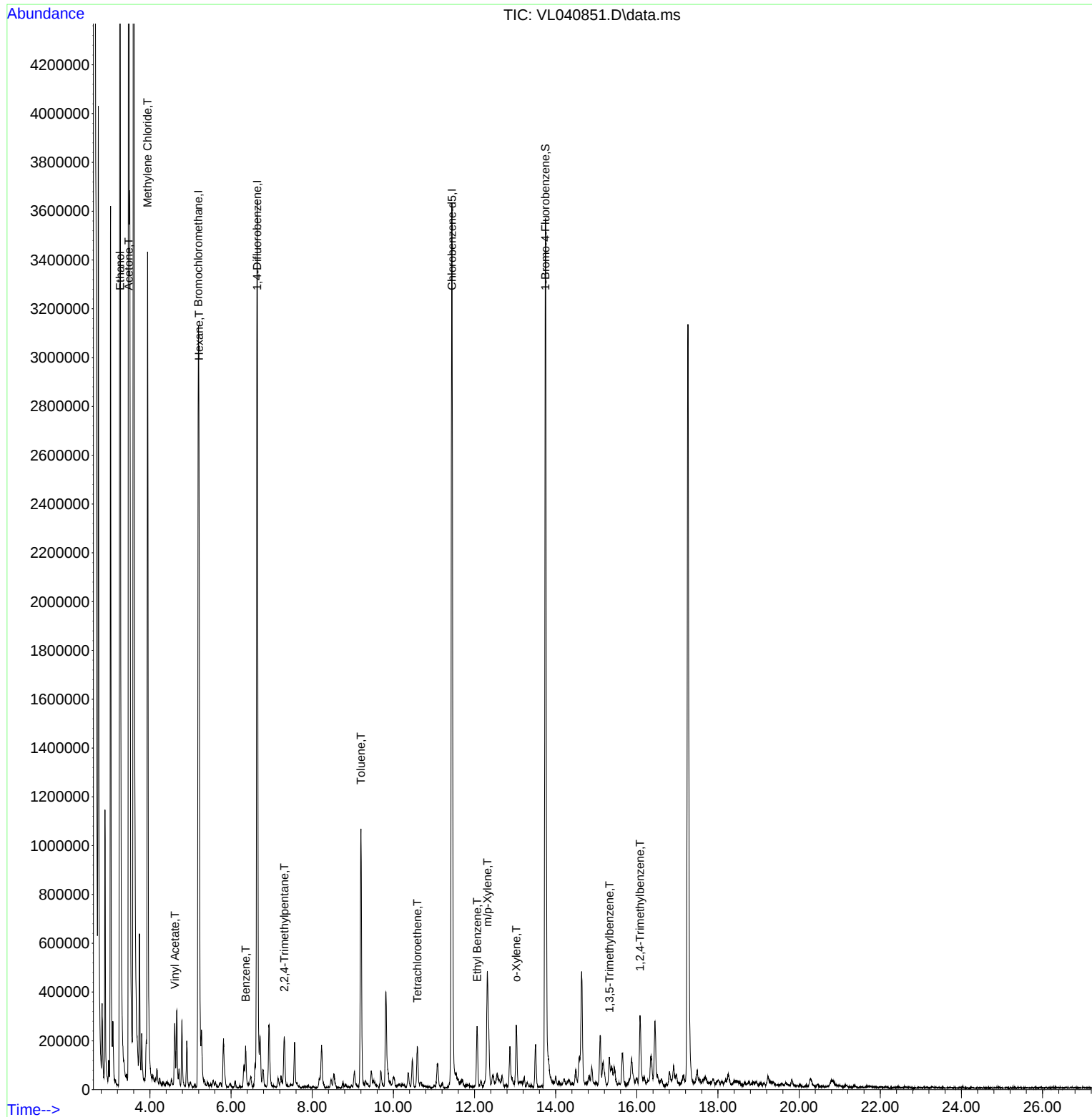
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
Data File : VL040851.D
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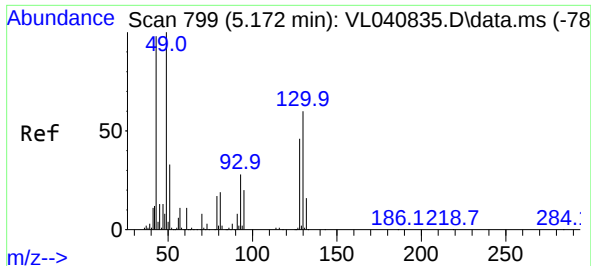
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Nov 16 04:48:24 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

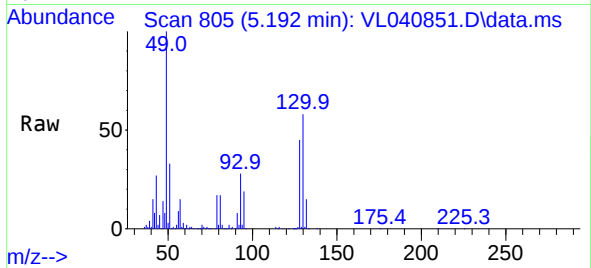
Reviewed By : Mahesh Dadoda 11/17/2023
Supervised By : Semsettin Yesilyurt 11/17/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.020 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

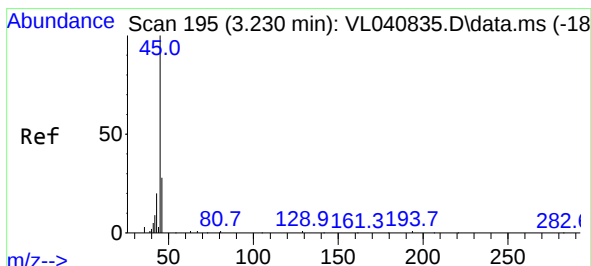
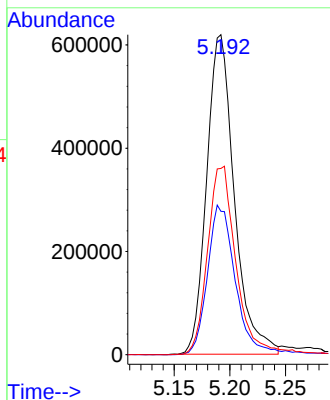
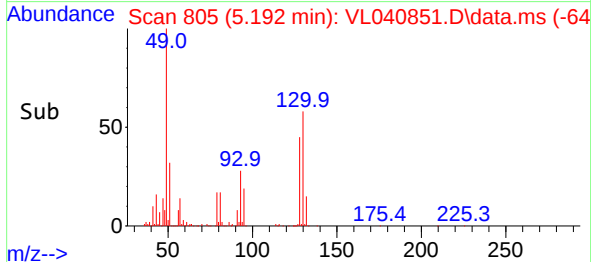
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 1071800
Ion Ratio Lower Upper
49 100
128 48.5 23.8 71.2
130 62.0 30.9 92.8

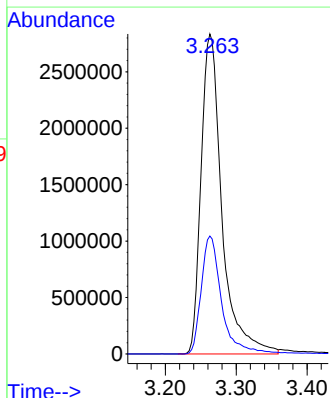
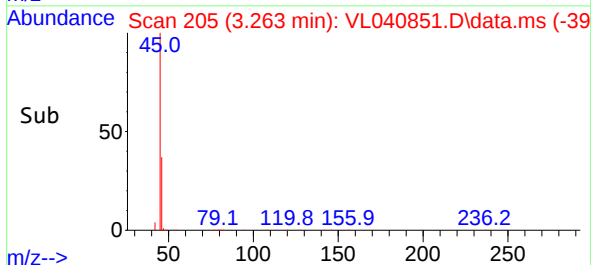
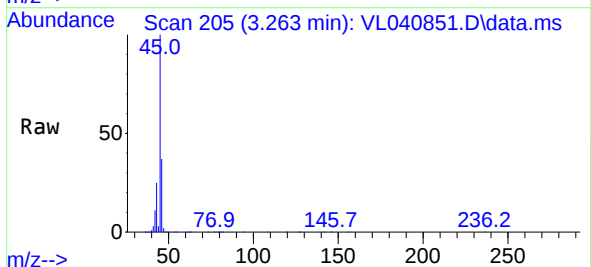
Manual Integrations
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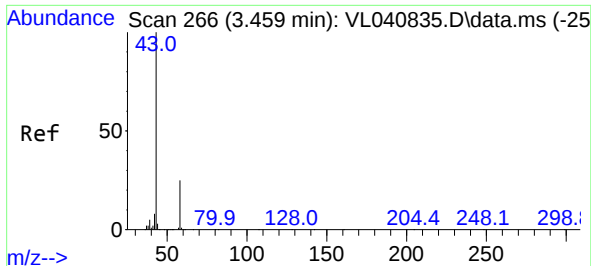
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#13
Ethanol
Concen: 516.916 ppbv
RT: 3.263 min Scan# 205
Delta R.T. 0.032 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Tgt Ion: 45 Resp: 5788608
Ion Ratio Lower Upper
45 100
46 36.6 0.0 0.0#





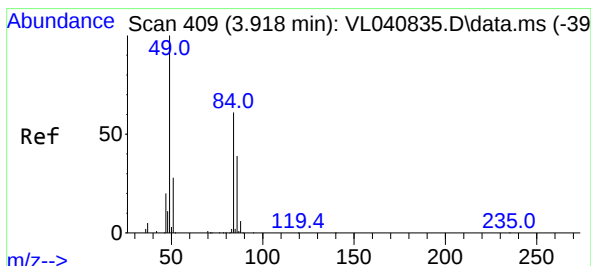
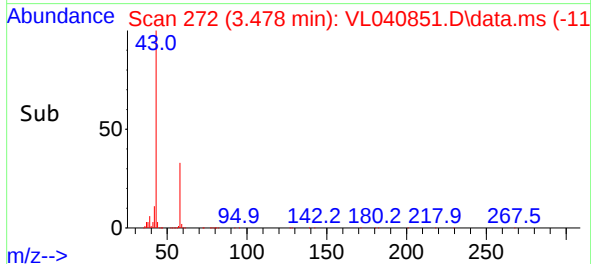
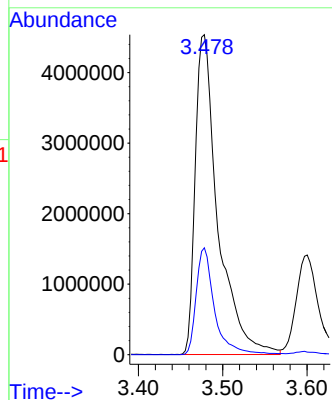
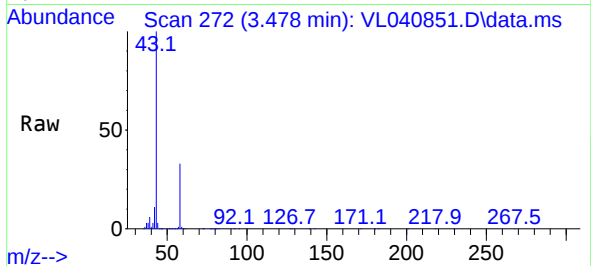
#15
Acetone
Concen: 74.236 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 847418
Ion Ratio Lower Upper
43 100
58 27.3 20.9 31.3

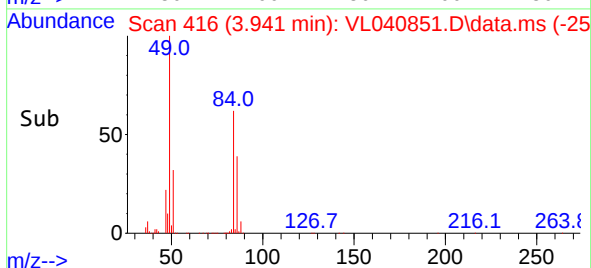
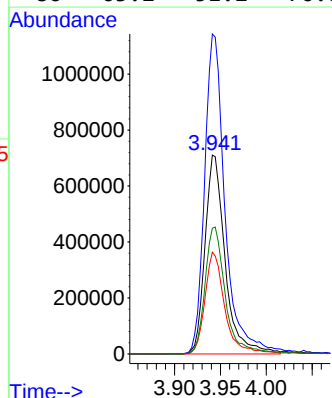
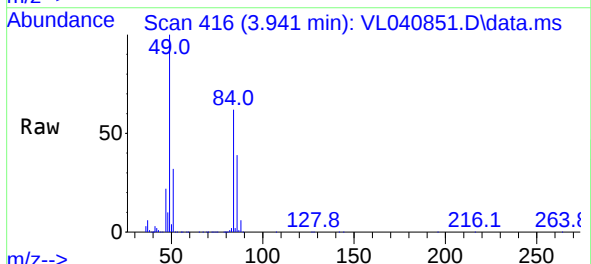
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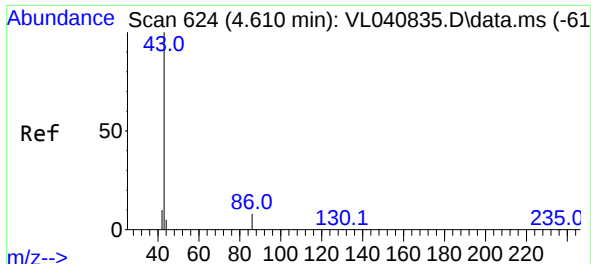
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#20
Methylene Chloride
Concen: 23.132 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.023 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

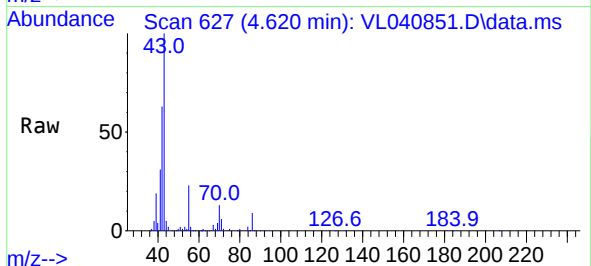
Tgt Ion: 84 Resp: 1089721
Ion Ratio Lower Upper
84 100
49 160.9 131.0 196.4
51 51.0 36.9 55.3
86 63.2 51.2 76.8





#23
Vinyl Acetate
Concen: 0.891 ppbv
RT: 4.620 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

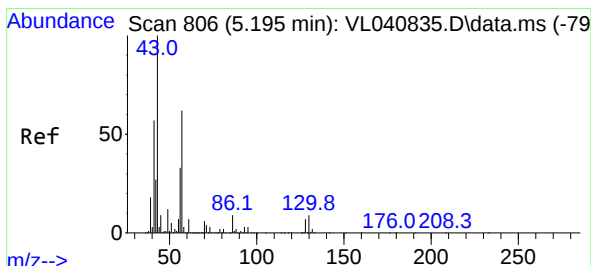
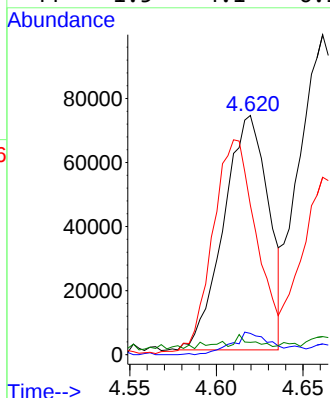
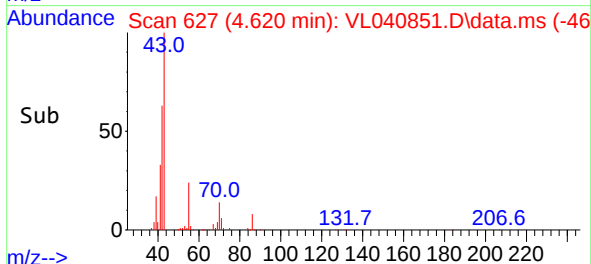
Instrument :
MSVOA_L
ClientSampleId :
IA1



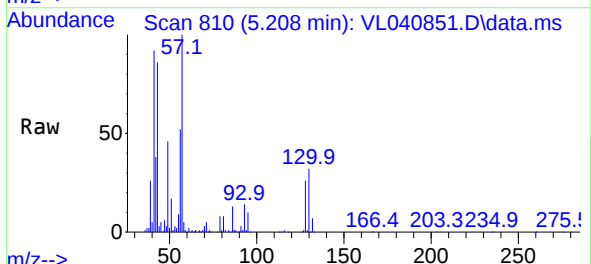
Tgt Ion: 43 Resp: 13138
Ion Ratio Lower Upper
43 100
86 9.1 5.5 8.3
42 62.0 8.2 12.2
44 1.5 4.1 6.1

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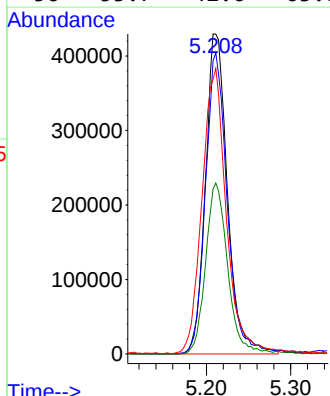
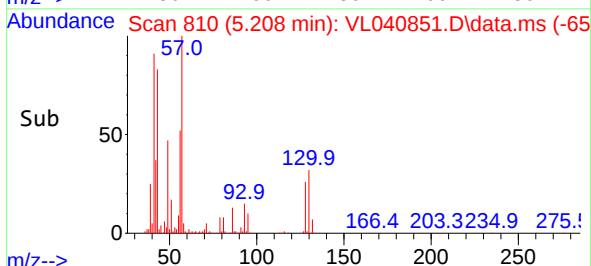
Reviewed By :Mahesh Dadoda 11/17/2023
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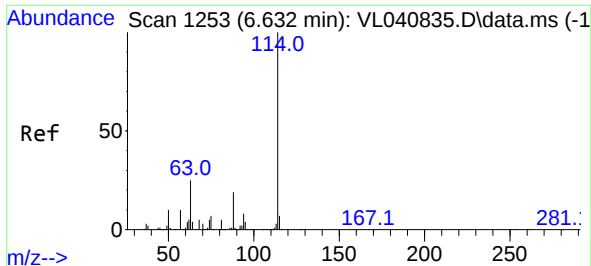


#26
Hexane
Concen: 7.511 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.013 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18



Tgt Ion: 57 Resp: 785752
Ion Ratio Lower Upper
57 100
41 93.3 75.4 113.0
43 98.8 185.9 278.9
56 53.7 42.6 63.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1168

Delta R.T. 0.010 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:114 Resp: 275432

Ion Ratio Lower Upper

114 100

63 25.1 20.9 31.3

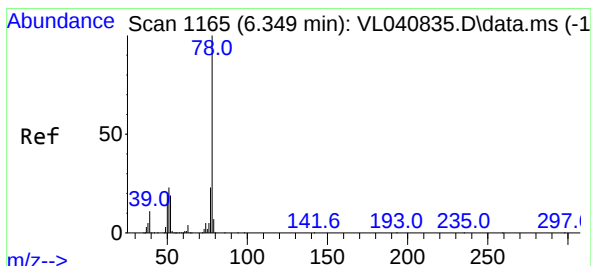
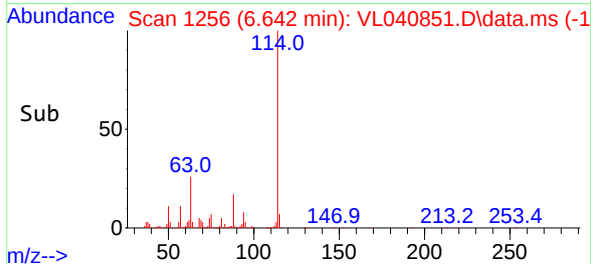
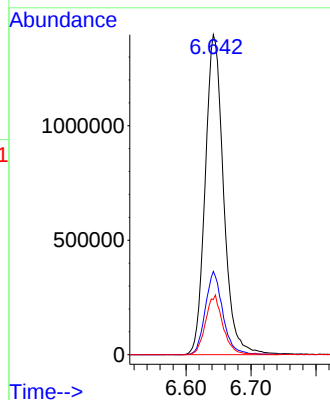
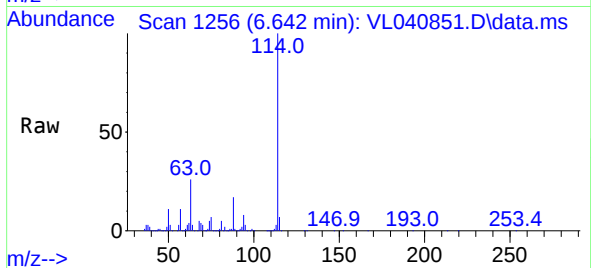
88 17.8 14.3 21.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/17/2023

Supervised By :Semsettin Yesilyurt 11/17/2023



#36

Benzene

Concen: 0.500 ppbv

RT: 6.359 min Scan# 1168

Delta R.T. 0.010 min

Lab File: VL040851.D

Acq: 14 Nov 2023 15:18

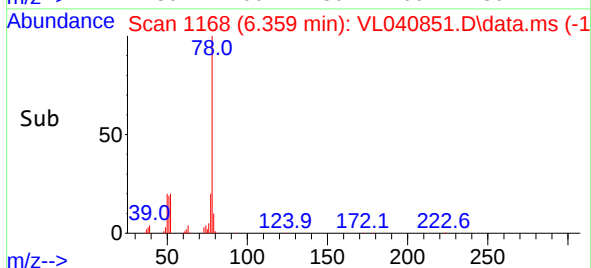
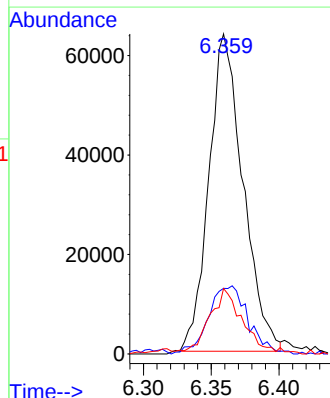
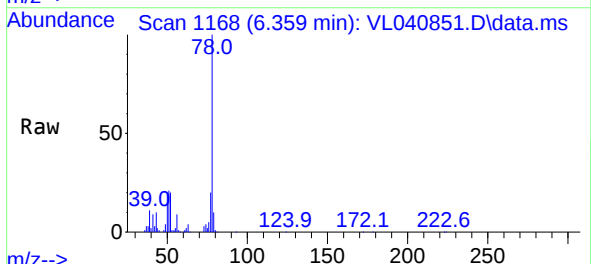
Tgt Ion: 78 Resp: 111769

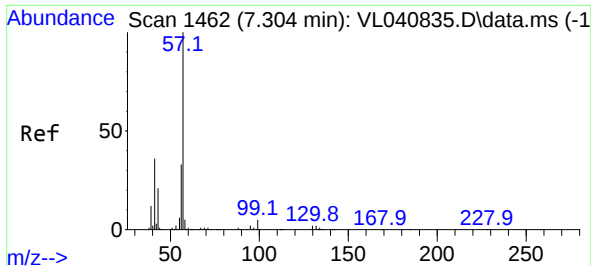
Ion Ratio Lower Upper

78 100

77 20.2 18.4 27.6

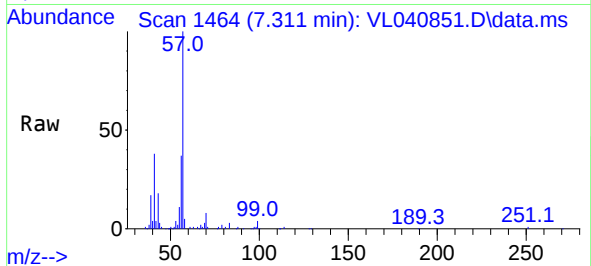
50 19.6 16.2 24.2





#44
2,2,4-Trimethylpentane
Concen: 0.459 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.007 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

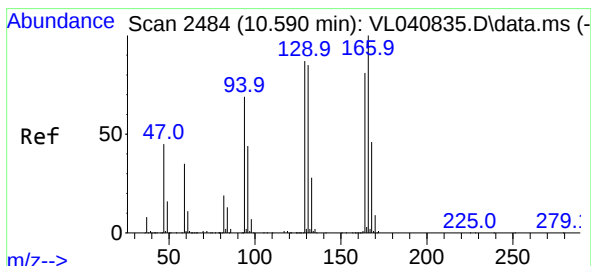
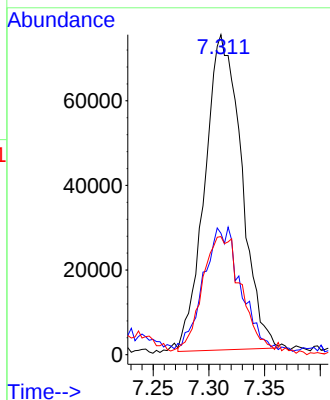
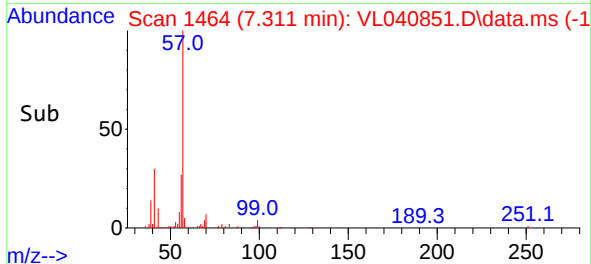
Instrument :
MSVOA_L
ClientSampleId :
IA1



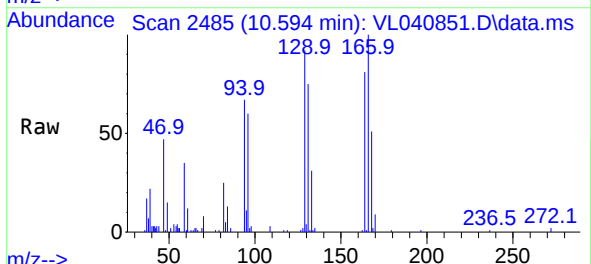
Tgt Ion: 57 Resp: 17046
Ion Ratio Lower Upper
57 100
41 42.8 29.0 43.6
56 42.3 25.2 37.8

Manual Integrations
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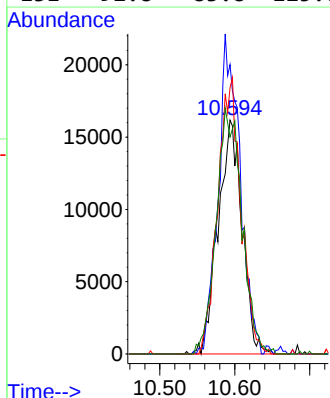
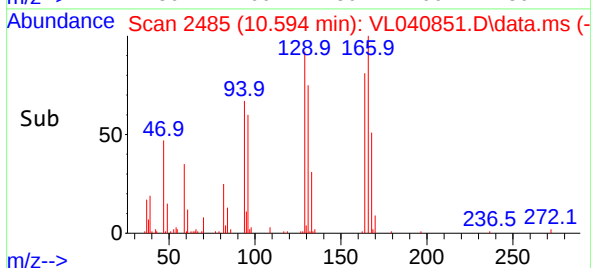
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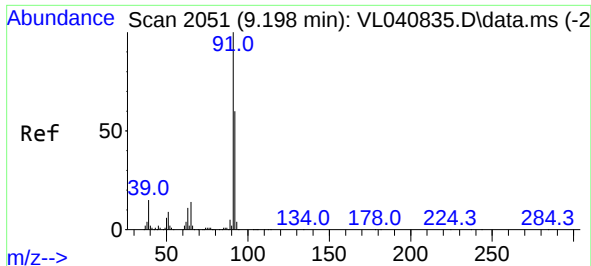


#52
Tetrachloroethene
Concen: 0.479 ppbv m
RT: 10.594 min Scan# 2485
Delta R.T. 0.003 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18



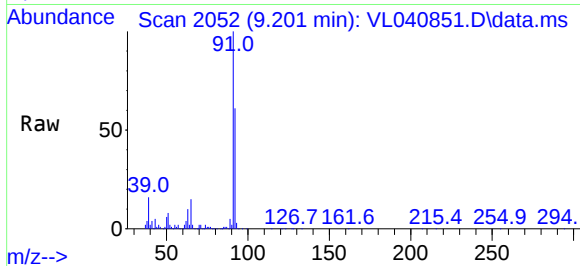
Tgt Ion:164 Resp: 36053
Ion Ratio Lower Upper
164 100
166 123.8 98.3 147.5
129 113.9 85.1 127.7
131 92.8 83.8 125.6





#53
Toluene
Concen: 3.298 ppbv
RT: 9.201 min Scan# 2051
Delta R.T. 0.003 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

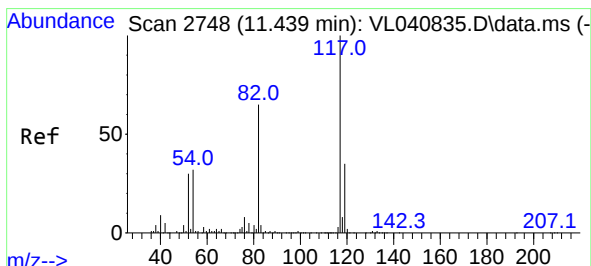
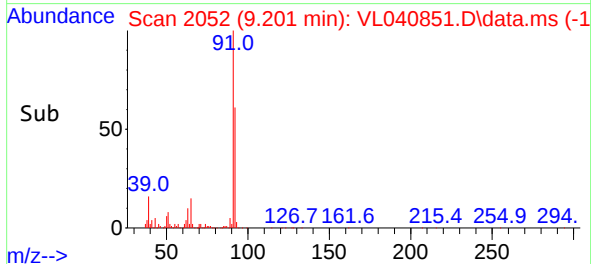
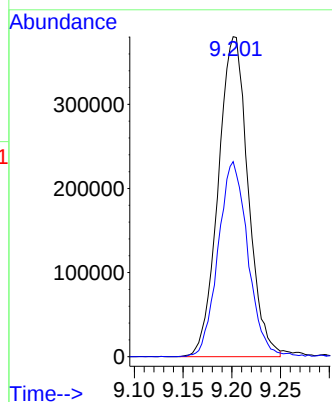
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 81136
Ion Ratio Lower Upper
91 100
92 61.0 49.4 74.2

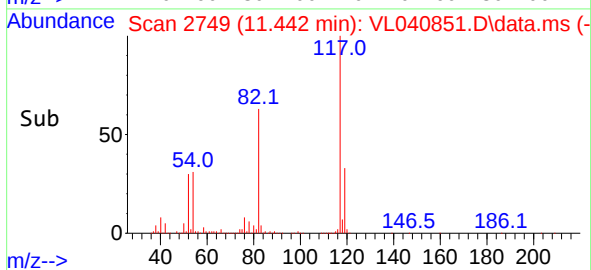
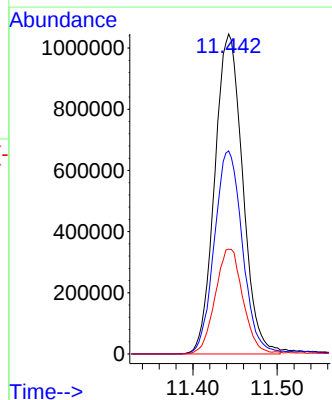
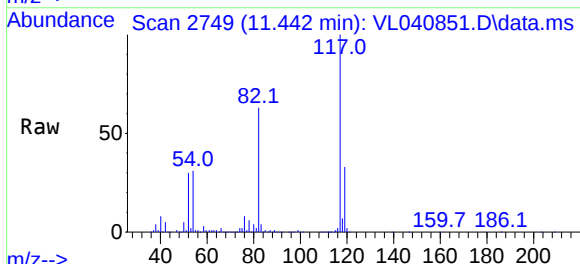
Manual Integrations
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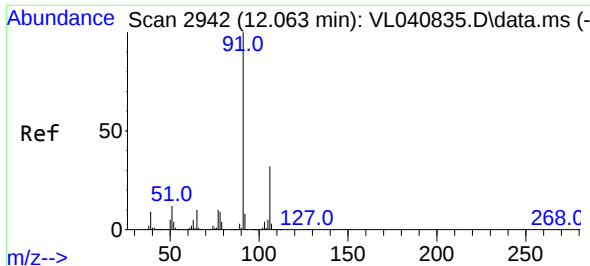
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. 0.003 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

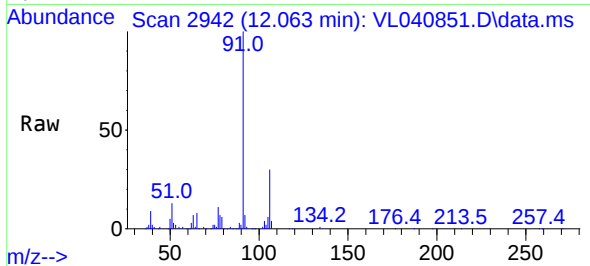
Tgt Ion:117 Resp: 2409227
Ion Ratio Lower Upper
117 100
82 64.2 50.6 75.8
119 33.0 23.3 34.9





#58
Ethyl Benzene
Concen: 0.711 ppbv
RT: 12.063 min Scan# 2942
Delta R.T. 0.000 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

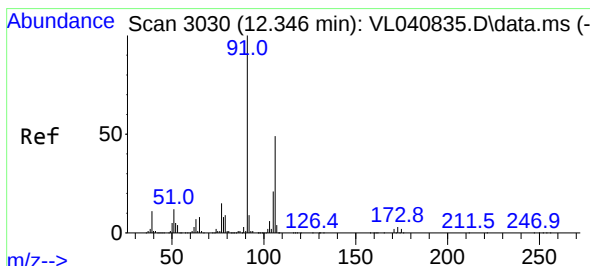
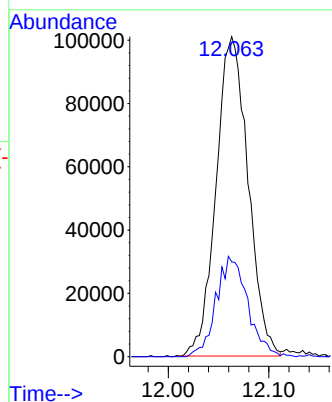
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 22348
Ion Ratio Lower Upper
91 100
106 29.7 25.2 37.8

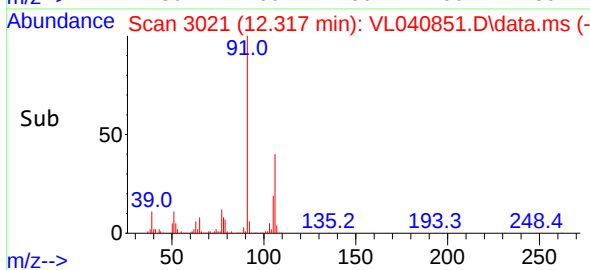
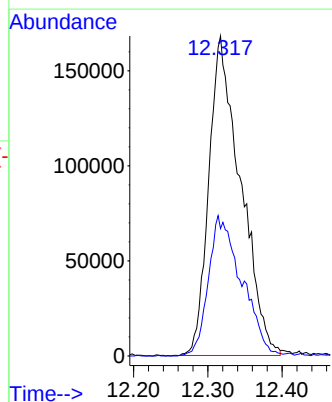
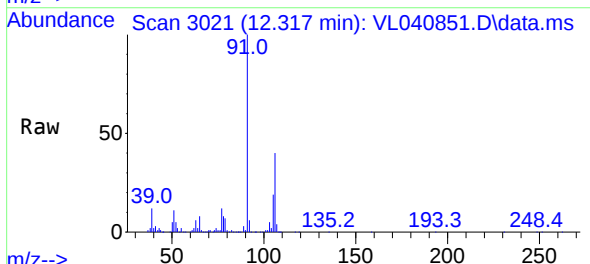
Manual Integrations
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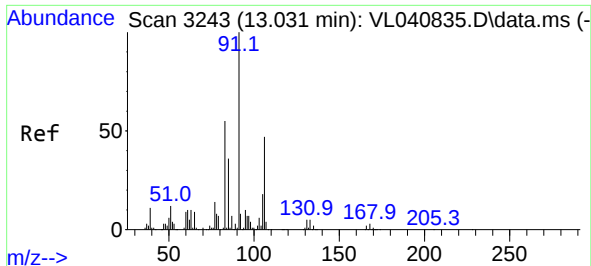
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#59
m/p-Xylene
Concen: 1.861 ppbv
RT: 12.317 min Scan# 3021
Delta R.T. -0.029 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Tgt Ion: 91 Resp: 498251
Ion Ratio Lower Upper
91 100
106 46.4 35.4 53.0





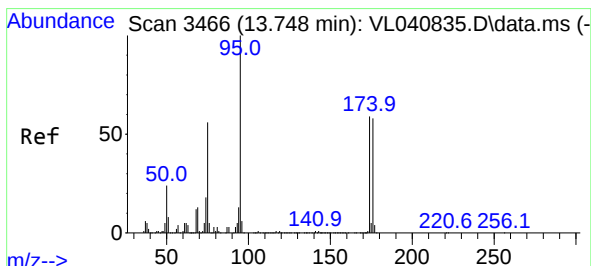
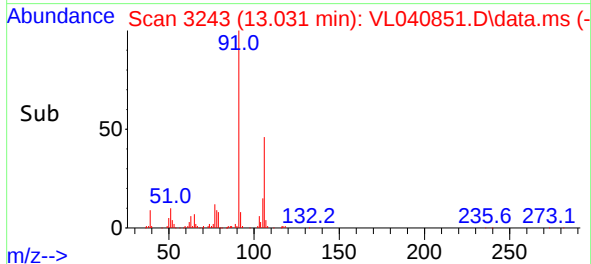
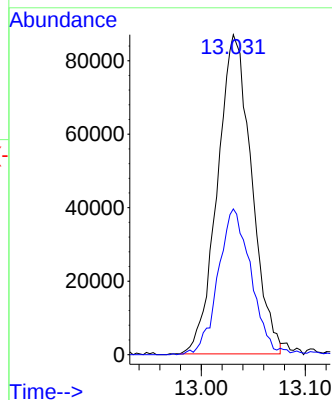
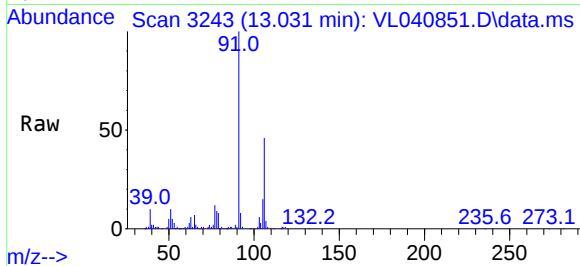
#60
o-Xylene
Concen: 0.777 ppbv
RT: 13.031 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 19801
Ion Ratio Lower Upper
91 100
106 44.8 22.9 68.5

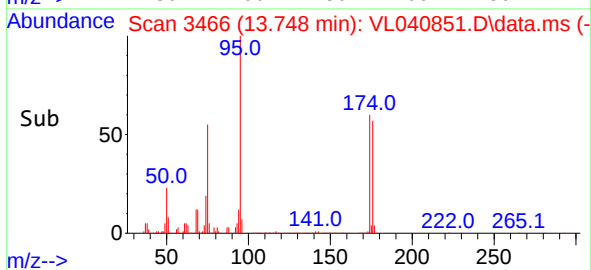
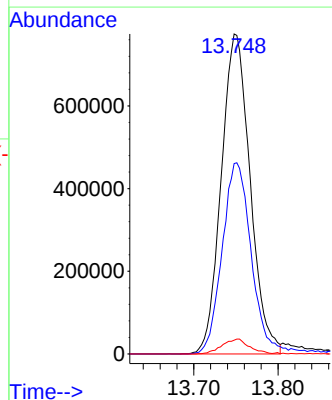
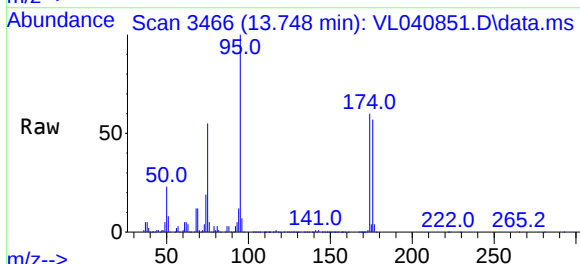
Manual Integrations
APPROVED

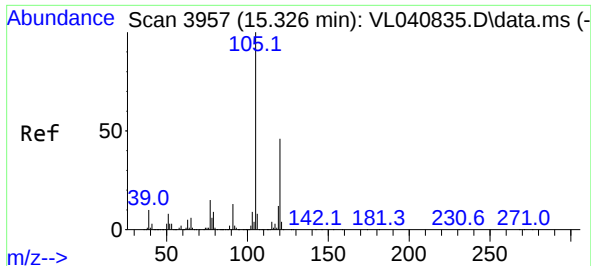
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.768 ppbv
RT: 13.748 min Scan# 3466
Delta R.T. 0.000 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

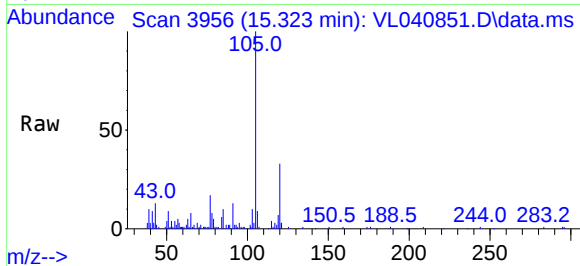
Tgt Ion: 95 Resp: 1842404
Ion Ratio Lower Upper
95 100
174 61.9 47.5 71.3
175 4.5 3.6 5.4





#73
1,3,5-Trimethylbenzene
Concen: 0.298 ppbv
RT: 15.323 min Scan# 3956
Delta R.T. -0.003 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18

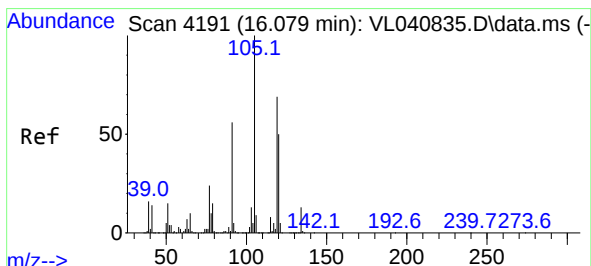
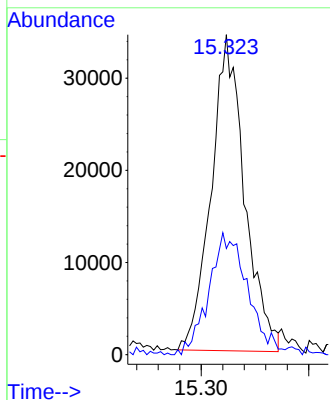
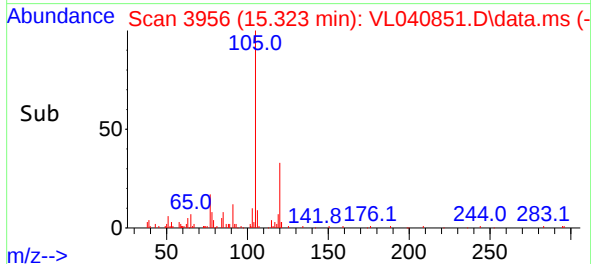
Instrument :
MSVOA_L
ClientSampleId :
IA1



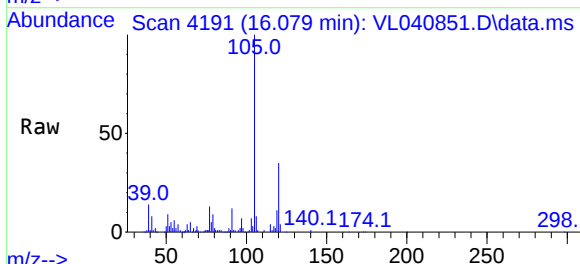
Tgt Ion:105 Resp: 73948
Ion Ratio Lower Upper
105 100
120 35.5 36.8 55.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.736 ppbv
RT: 16.079 min Scan# 4191
Delta R.T. 0.000 min
Lab File: VL040851.D
Acq: 14 Nov 2023 15:18



Tgt Ion:105 Resp: 203411
Ion Ratio Lower Upper
105 100
120 33.9 40.2 60.2#
91 11.1 45.7 68.5#
77 13.3 19.2 28.8#

