

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
 Data File : VL039794.D
 Acq On : 25 Oct 2022 19:13
 Operator : SY/AP
 Sample : N5227-13
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 M

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/28/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 16:28:03 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

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

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	844617	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2239596	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1931848	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1351371	9.833	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.748	85	18976	0.215	ppbv	89
9) Propene	2.713	41	623057	14.293	ppbv	91
10) Heptane	7.584	43	38232	0.366	ppbv #	84
11) Trichlorofluoromethane	3.581	101	28133	0.228	ppbv	96
13) Ethanol	3.266	45	50665m	16.183	ppbv	
15) Acetone	3.488	43	1146383	11.363	ppbv	100
19) Isopropyl Alcohol	3.600	45	33720m	0.713	ppbv	
20) Methylene Chloride	3.951	84	261093	6.803	ppbv	97
23) Vinyl Acetate	4.632	43	57705	1.484	ppbv #	64
26) Hexane	5.227	57	251836	3.071	ppbv #	37
27) Carbon Disulfide	4.144	76	73022	0.750	ppbv #	84
30) Cyclohexane	6.610	84	14727	0.219	ppbv #	67
34) 2-Butanone	4.809	43	149763	1.421	ppbv	92
35) Carbon Tetrachloride	6.497	117	9318m	0.073	ppbv	
36) Benzene	6.378	78	170829	0.990	ppbv	96
53) Toluene	9.227	91	318110	1.760	ppbv	99
58) Ethyl Benzene	12.092	91	61435m	0.279	ppbv	
59) m/p-Xylene	12.346	91	151278m	0.762	ppbv	
60) o-Xylene	13.063	91	68815	0.369	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	6730	0.035	ppbv #	75
74) 1,2,4-Trimethylbenzene	16.111	105	87391	0.402	ppbv #	70
75) 1,3-Dichlorobenzene	16.323	146	19949m	0.151	ppbv	
79) Naphthalene	21.381	128	23728m	0.178	ppbv	

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

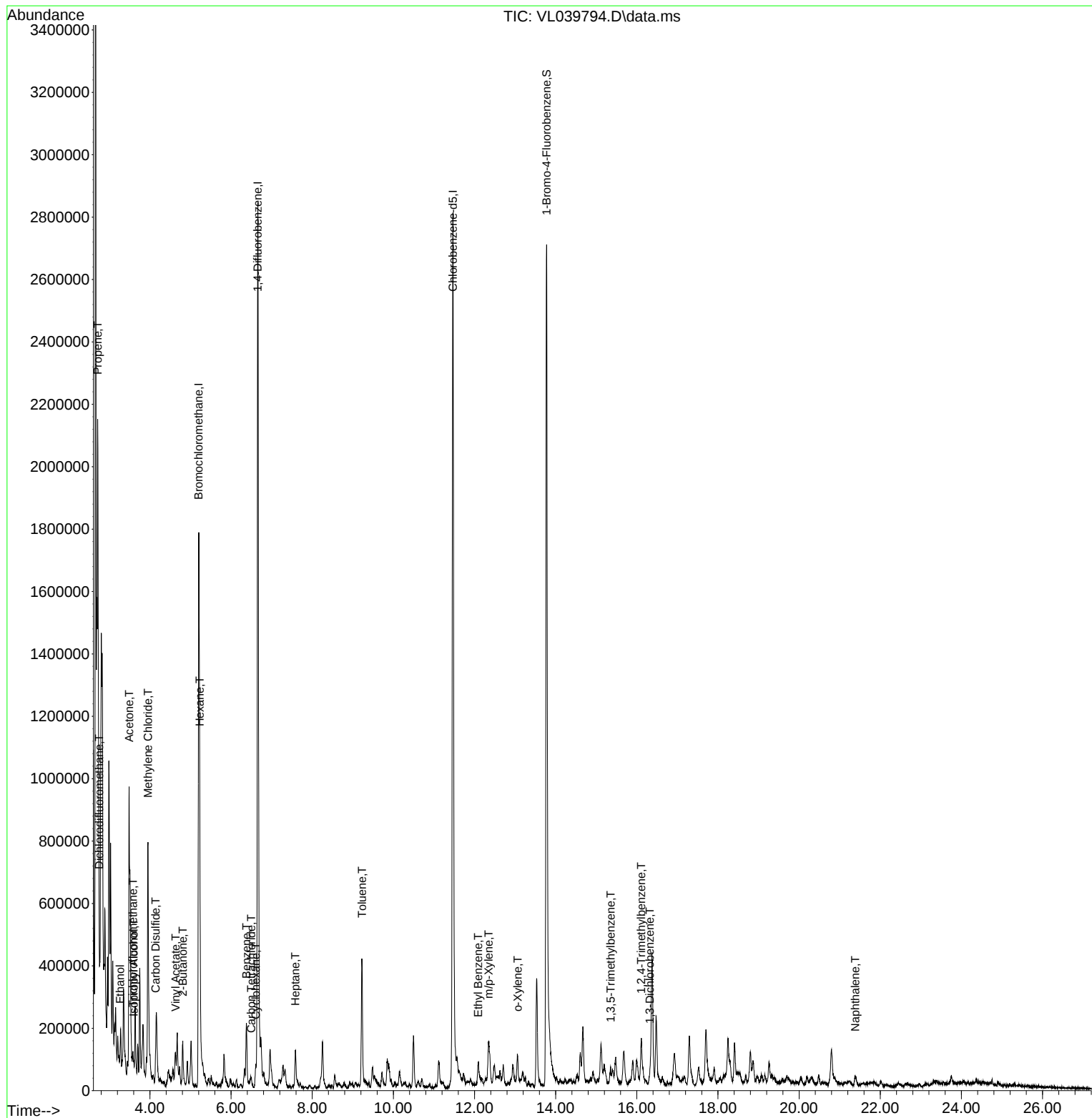
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039794.D
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

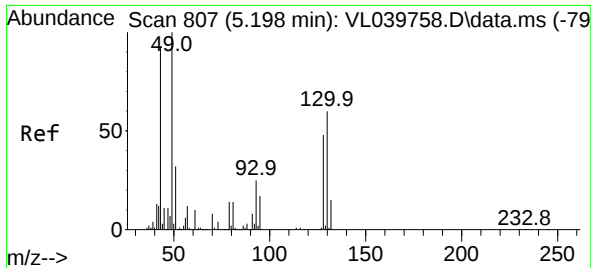
Instrument :
MSVOA_L
ClientSampleId :
M

Quant Time: Oct 27 16:28:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Oct 24 20:00:55 2022
Response via : Initial Calibration

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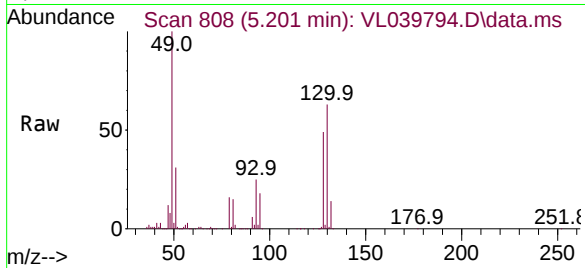
Reviewed By : Semsettin Yesilyurt 10/28/2022
Supervised By : Mahesh Dadoda 10/31/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 807
Delta R.T. 0.003 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

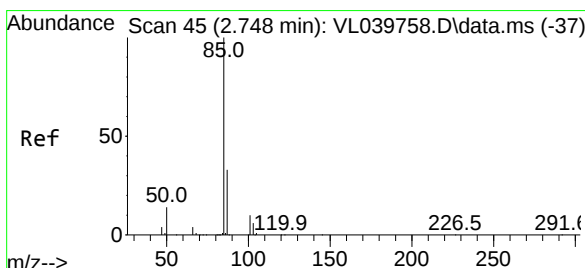
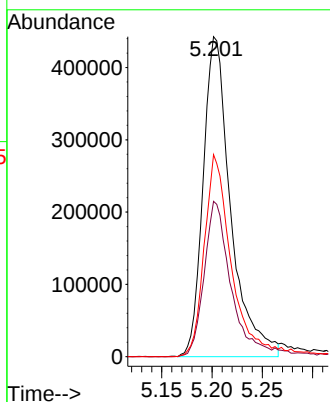
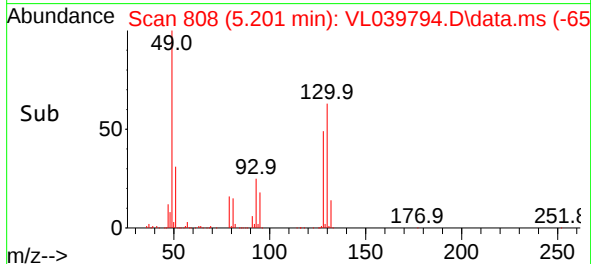
Instrument :
MSVOA_L
Client Sample Id :
M



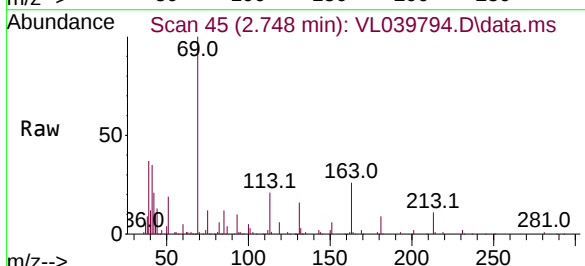
Tgt Ion: 49 Resp: 84461
Ion Ratio Lower Upper
49 100
128 50.5 24.6 74.0
130 64.5 31.8 95.3

Manual Integrations
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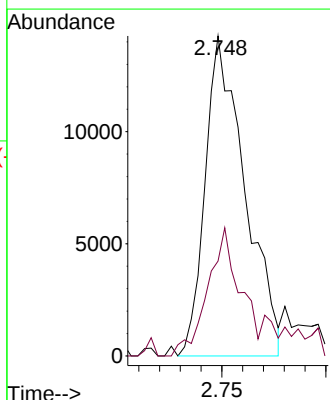
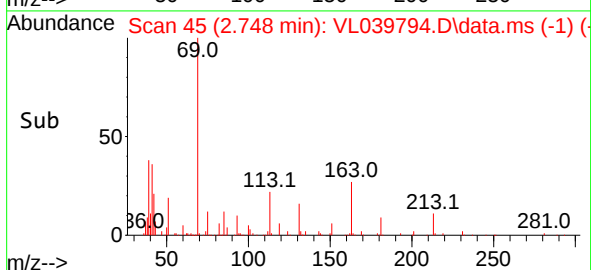
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Supervised By :Mahesh Dadoda 10/31/2022

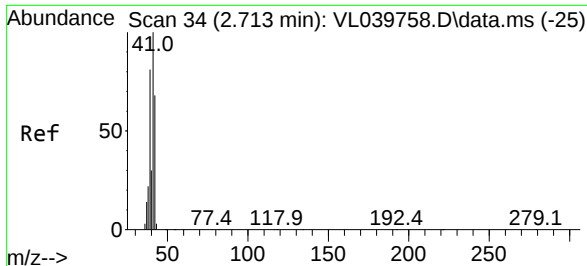


#2
Dichlorodifluoromethane
Concen: 0.215 ppbv
RT: 2.748 min Scan# 45
Delta R.T. 0.000 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13



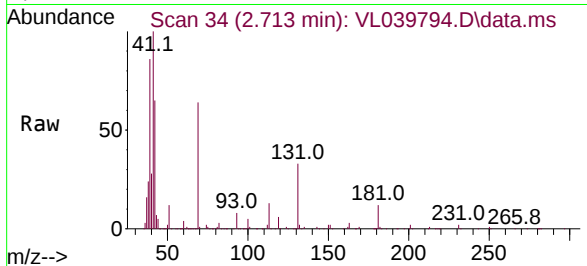
Tgt Ion: 85 Resp: 18976
Ion Ratio Lower Upper
85 100
87 26.2 26.1 39.1





#9
 Propene
 Concen: 14.293 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VL039794.D
 Acq: 25 Oct 2022 19:13

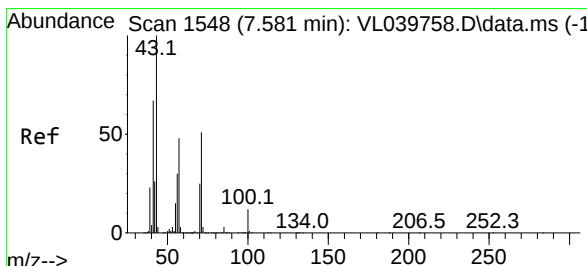
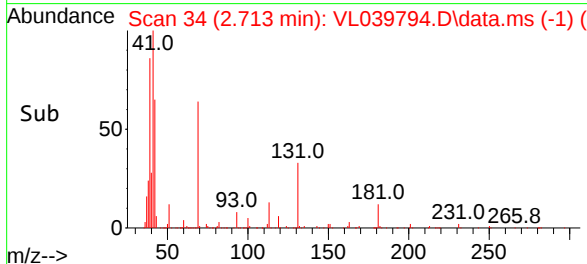
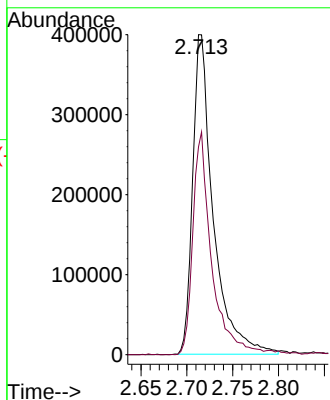
Instrument :
 MSVOA_L
 ClientSampleId :
 M



Tgt Ion: 41 Resp: 62305
 Ion Ratio Lower Upper
 41 100
 42 64.6 58.0 87.0

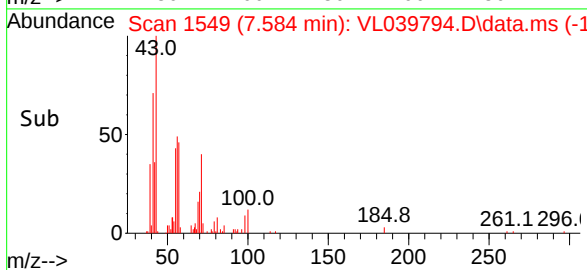
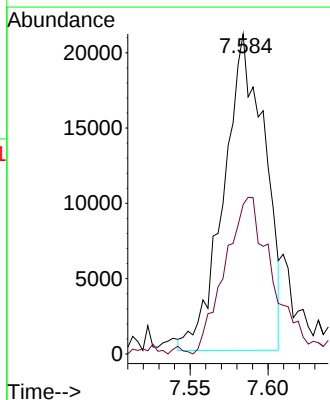
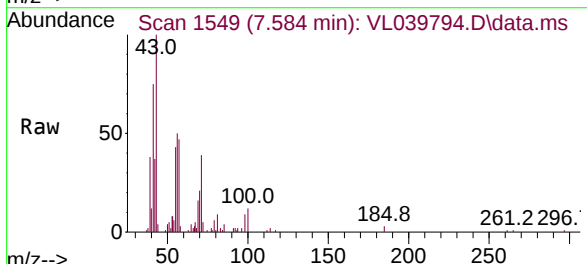
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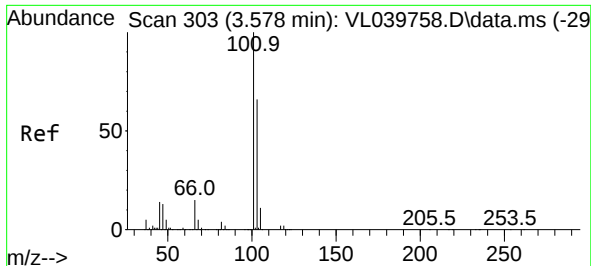
Reviewed By :Semsettin Yesilyurt 10/28/2022
 Supervised By :Mahesh Dadoda 10/31/2022



#10
 Heptane
 Concen: 0.366 ppbv
 RT: 7.584 min Scan# 1549
 Delta R.T. 0.003 min
 Lab File: VL039794.D
 Acq: 25 Oct 2022 19:13

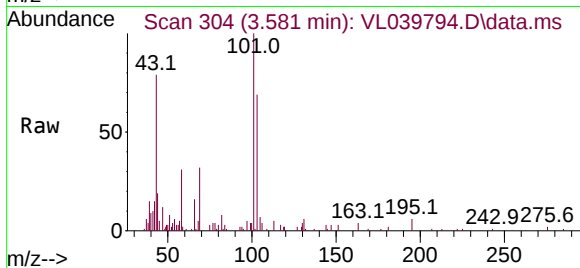
Tgt Ion: 43 Resp: 38232
 Ion Ratio Lower Upper
 43 100
 57 61.2 40.0 60.0#





#11
Trichlorofluoromethane
Concen: 0.228 ppbv
RT: 3.581 min Scan# 303
Delta R.T. 0.003 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

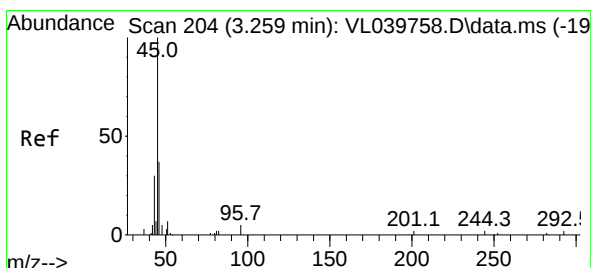
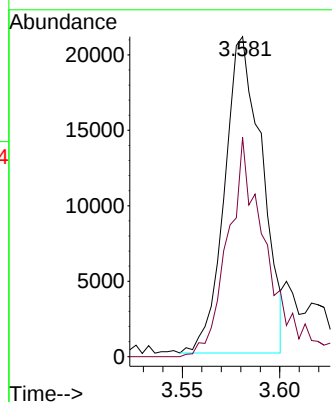
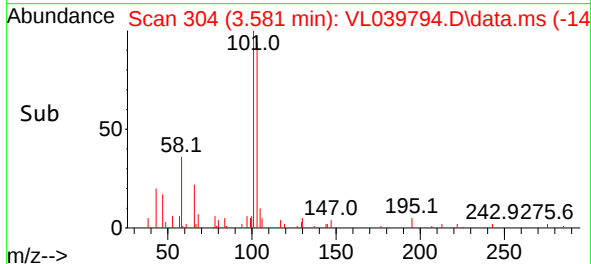
Instrument :
MSVOA_L
ClientSampleId :
M



Tgt Ion:101 Resp: 2813
Ion Ratio Lower Upper
101 100
103 69.3 52.7 79.1

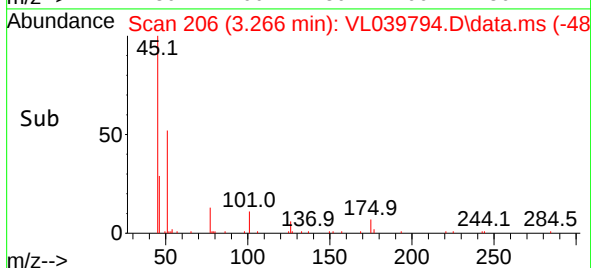
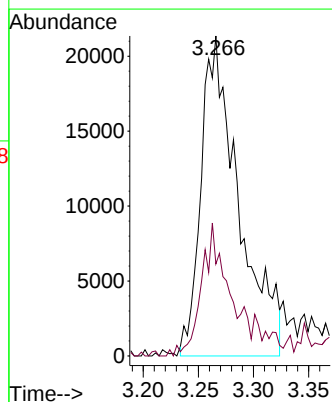
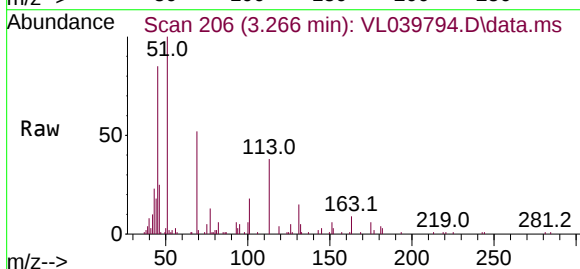
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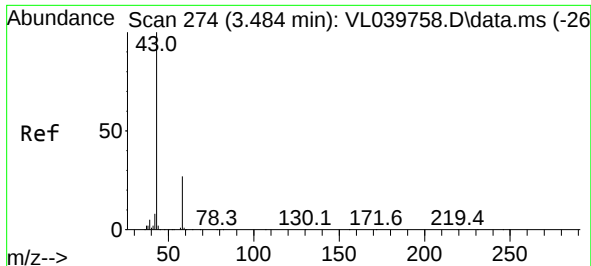
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#13
Ethanol
Concen: 16.183 ppbv m
RT: 3.266 min Scan# 206
Delta R.T. 0.006 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

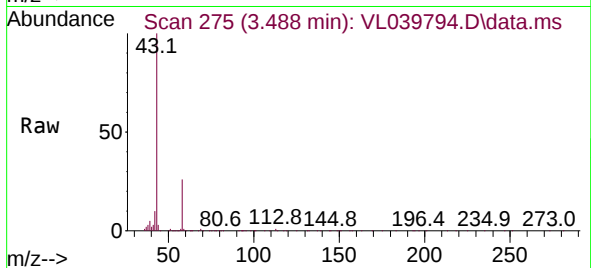
Tgt Ion: 45 Resp: 50665
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.3#





#15
Acetone
Concen: 11.363 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

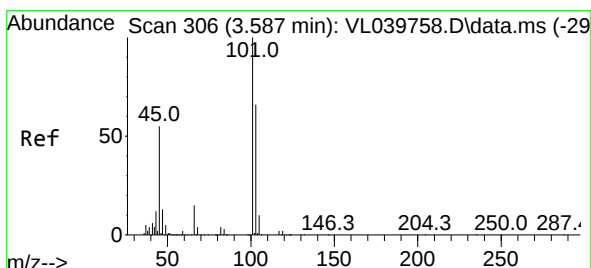
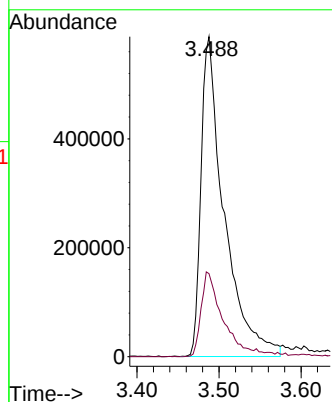
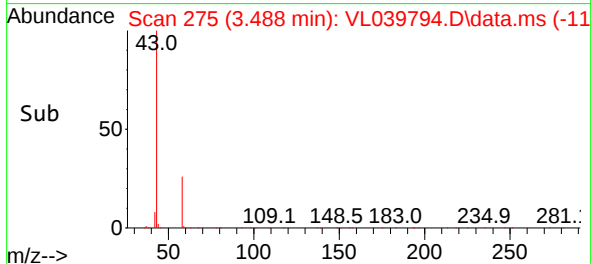
Instrument :
MSVOA_L
ClientSampleId :
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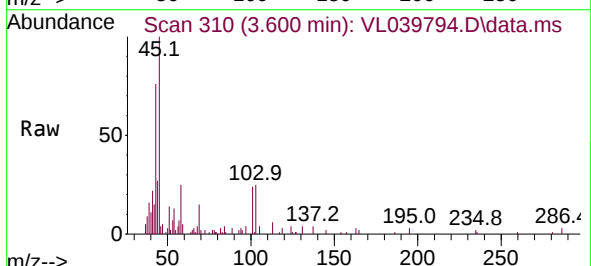
Tgt Ion: 43 Resp: 114638
Ion Ratio Lower Upper
43 100
58 26.0 20.7 31.1

Manual Integrations
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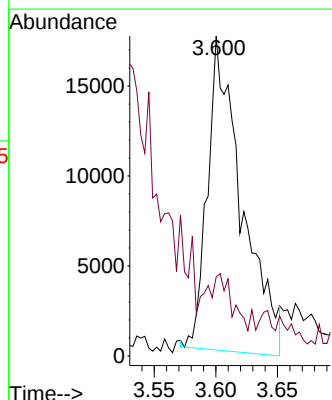
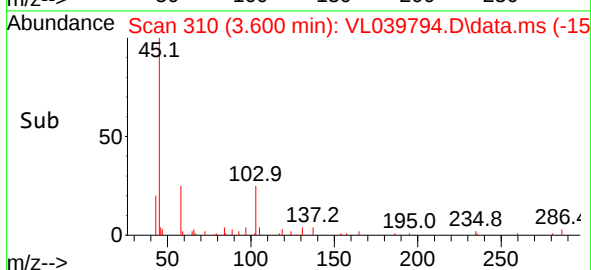
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

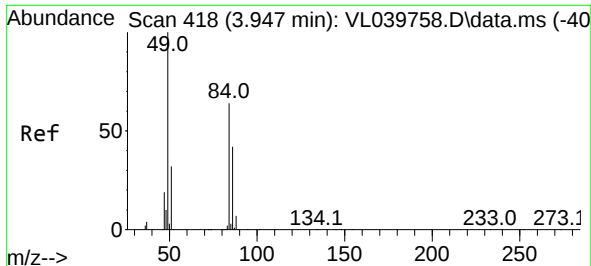


#19
Isopropyl Alcohol
Concen: 0.713 ppbv m
RT: 3.600 min Scan# 310
Delta R.T. 0.013 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13



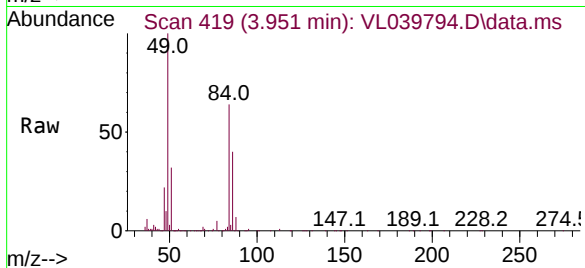
Tgt Ion: 45 Resp: 33720
Ion Ratio Lower Upper
45 100
58 0.0 2.8 4.2#





#20
Methylene Chloride
Concen: 6.803 ppbv
RT: 3.951 min Scan# 418
Delta R.T. 0.003 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

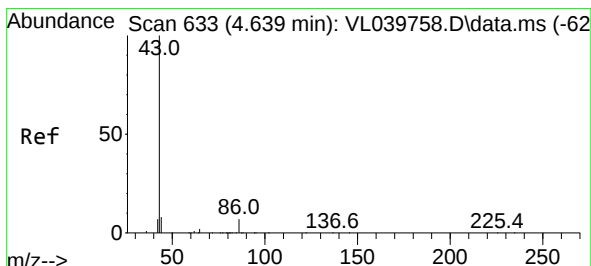
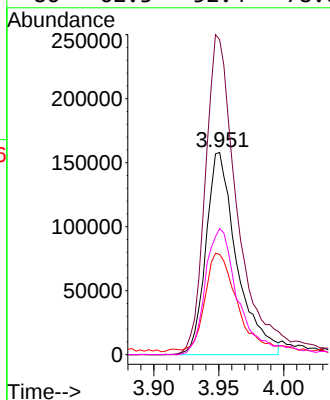
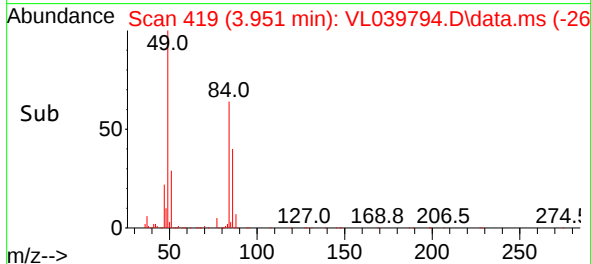
Instrument :
MSVOA_L
ClientSampleId :
M



Tgt Ion: 84 Resp: 261093
Ion Ratio Lower Upper
84 100
49 155.1 126.0 189.0
51 47.1 40.9 61.3
86 62.3 52.4 78.6

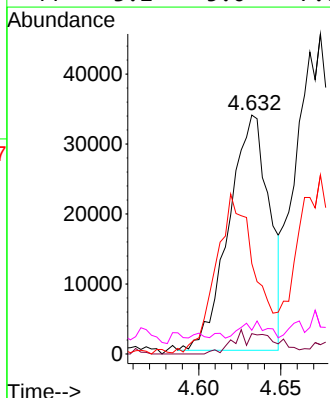
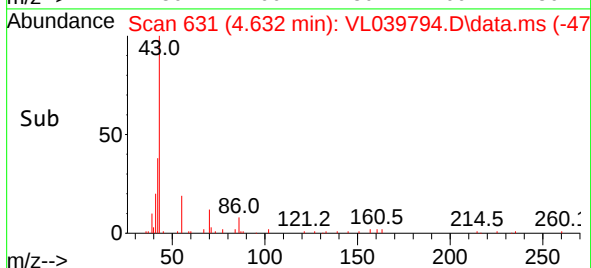
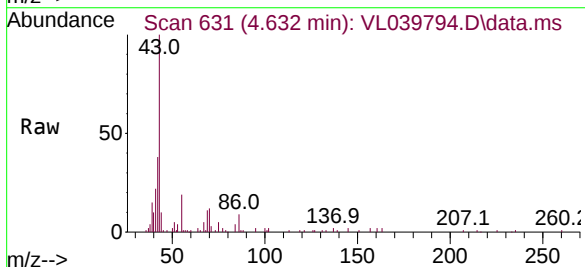
Manual Integrations
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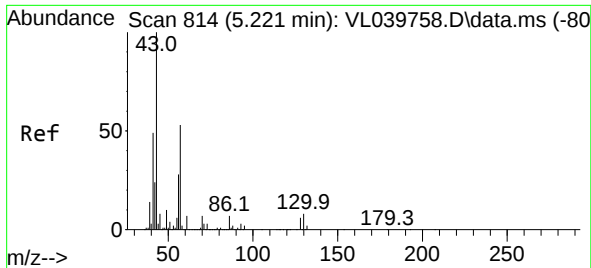
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#23
Vinyl Acetate
Concen: 1.484 ppbv
RT: 4.632 min Scan# 631
Delta R.T. -0.006 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

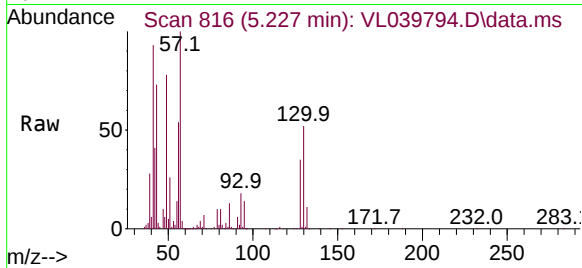
Tgt Ion: 43 Resp: 57705
Ion Ratio Lower Upper
43 100
86 8.7 4.9 7.3#
42 36.0 7.2 10.8#
44 3.2 5.0 7.6#





#26
Hexane
Concen: 3.071 ppbv
RT: 5.227 min Scan# 814
Delta R.T. 0.006 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

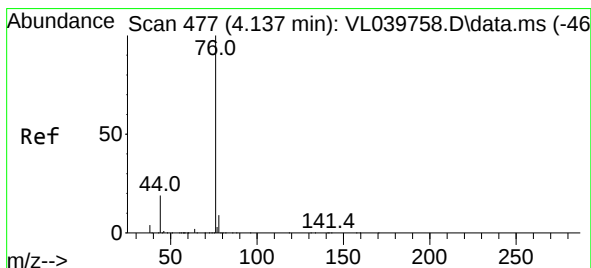
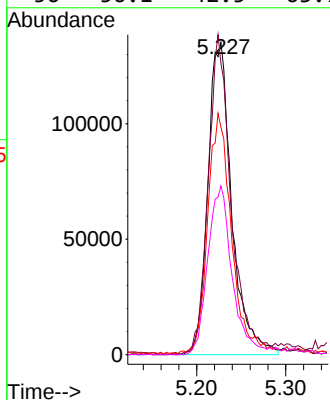
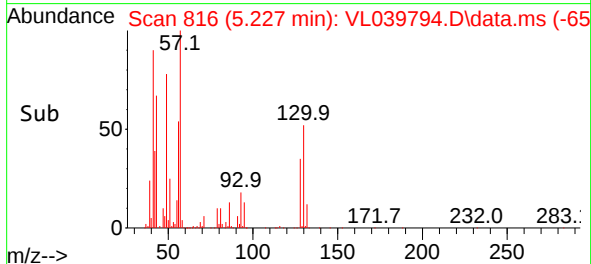
Instrument :
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Tgt Ion: 57 Resp: 251830
Ion Ratio Lower Upper
57 100
41 101.2 76.1 114.1
43 78.4 197.1 295.7
56 56.1 42.5 63.7

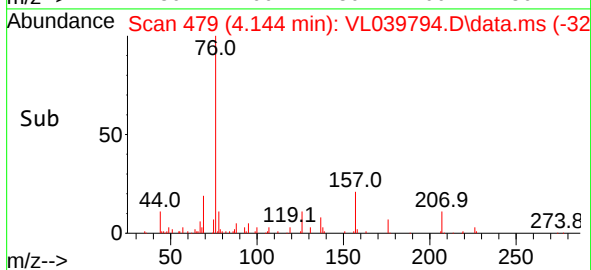
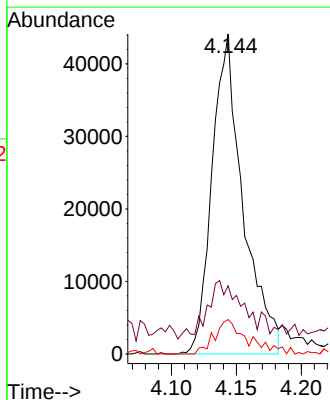
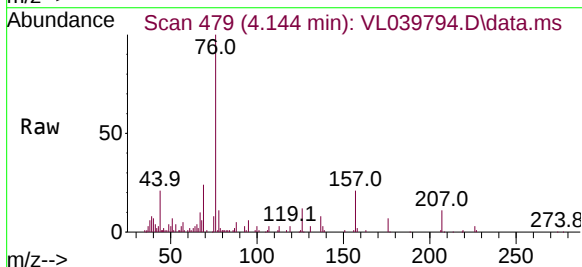
Manual Integrations
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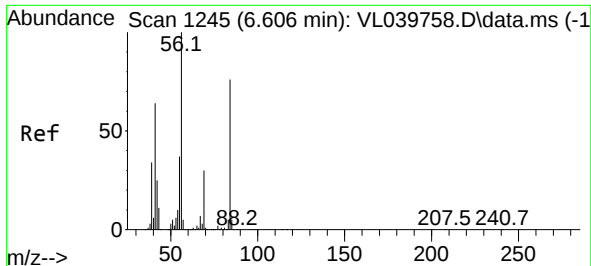
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#27
Carbon Disulfide
Concen: 0.750 ppbv
RT: 4.144 min Scan# 479
Delta R.T. 0.006 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

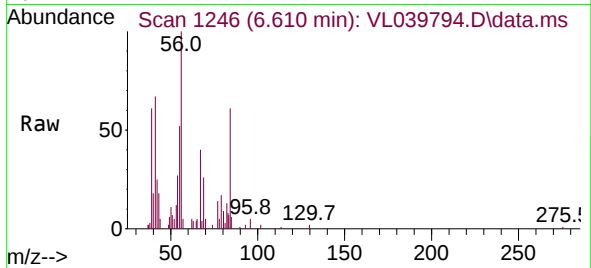
Tgt Ion: 76 Resp: 73022
Ion Ratio Lower Upper
76 100
44 30.6 16.6 25.0#
78 11.8 7.6 11.4#





#30
Cyclohexane
Concen: 0.219 ppbv
RT: 6.610 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

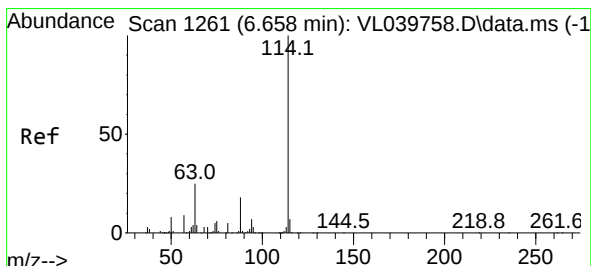
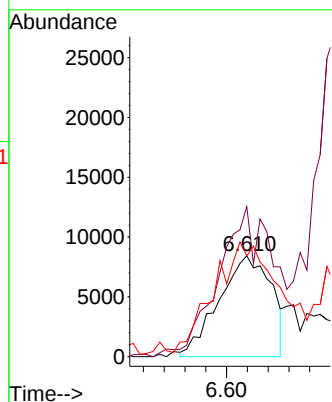
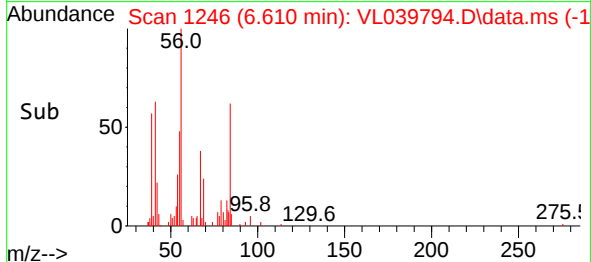
Instrument :
MSVOA_L
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M



Tgt Ion: 84 Resp: 1472
Ion Ratio Lower Upper
84 100
56 163.6 111.8 167.6
41 140.9 71.5 107.3

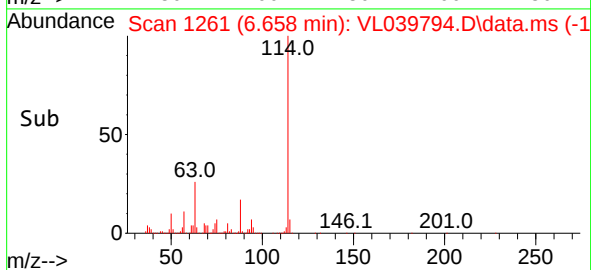
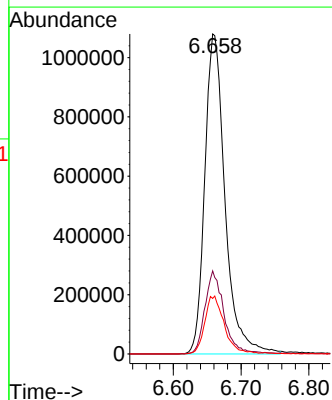
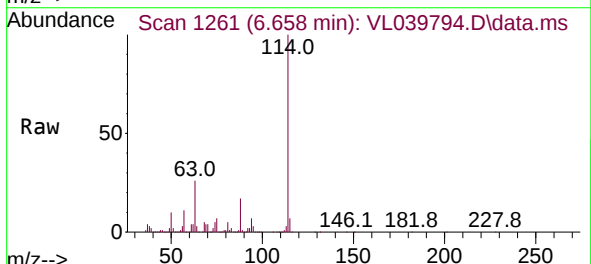
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APPROVED

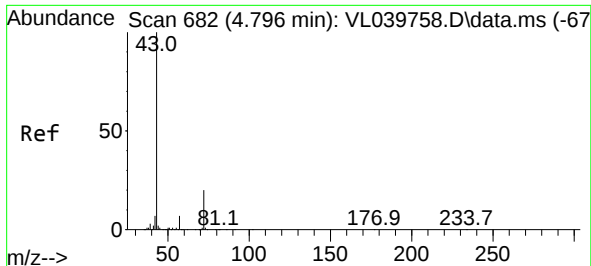
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

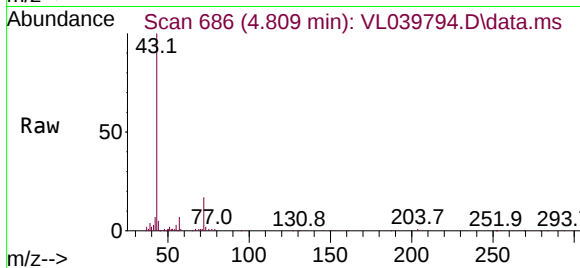
Tgt Ion:114 Resp: 2239596
Ion Ratio Lower Upper
114 100
63 24.9 20.1 30.1
88 17.8 14.5 21.7





#34
2-Butanone
Concen: 1.421 ppbv
RT: 4.809 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

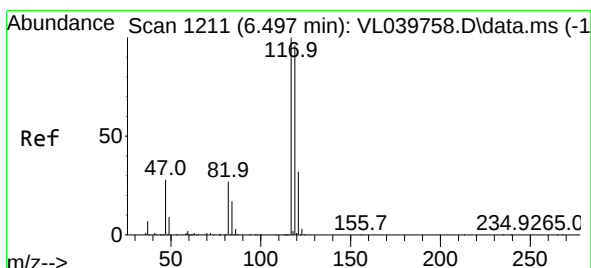
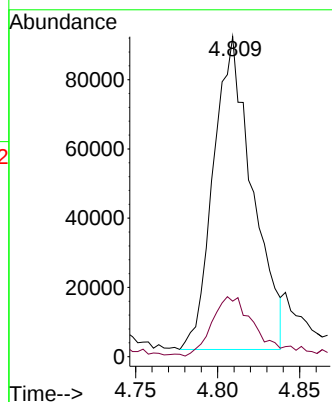
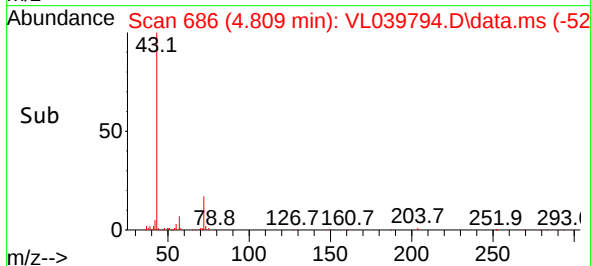
Instrument :
MSVOA_L
ClientSampleId :
M



Tgt Ion: 43 Resp: 14976
Ion Ratio Lower Upper
43 100
72 24.5 16.5 24.7

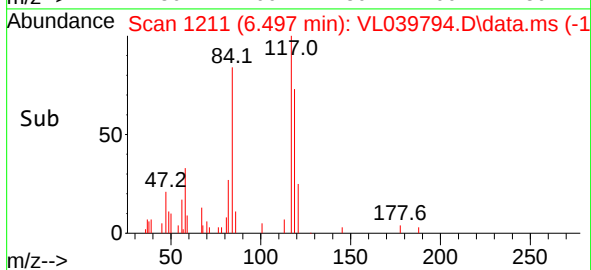
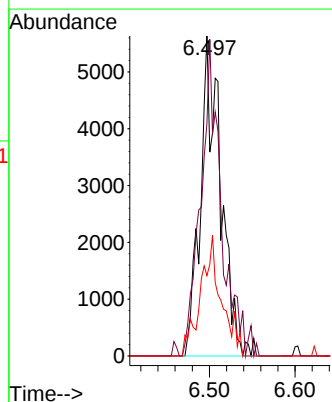
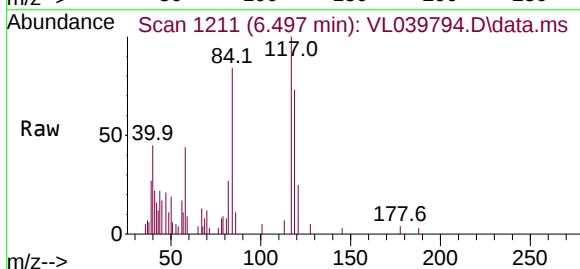
Manual Integrations
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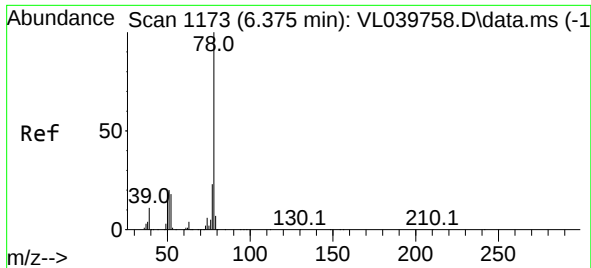
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 6.497 min Scan# 1211
Delta R.T. 0.000 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

Tgt Ion:117 Resp: 9318
Ion Ratio Lower Upper
117 100
119 72.6 76.6 115.0#
121 25.1 25.3 37.9#





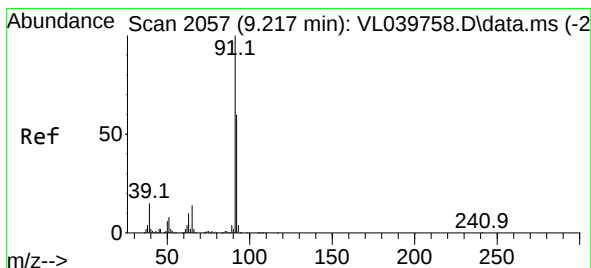
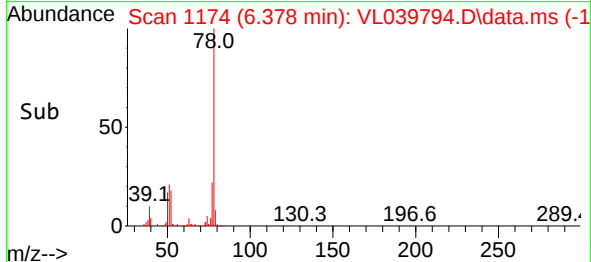
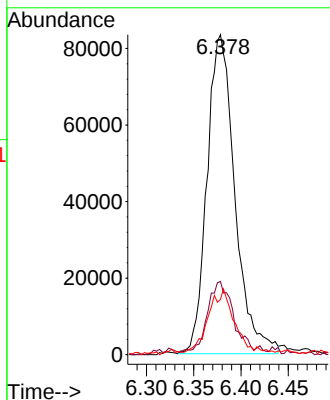
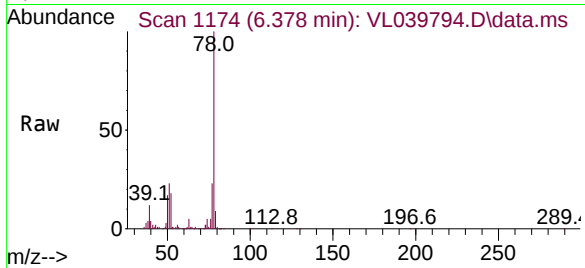
#36
Benzene
Concen: 0.990 ppbv
RT: 6.378 min Scan# 1173
Delta R.T. 0.003 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

Instrument :
MSVOA_L
ClientSampleId :
M

Tgt Ion: 78 Resp: 170829
Ion Ratio Lower Upper
78 100
77 22.1 18.3 27.5
50 16.3 15.2 22.8

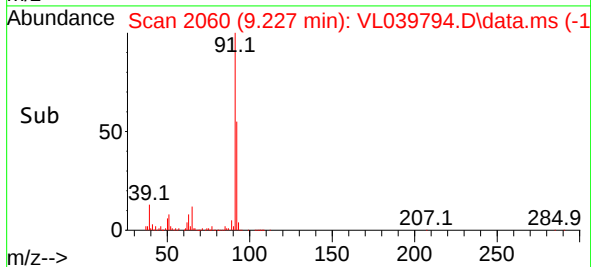
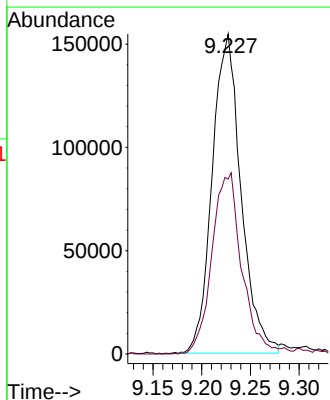
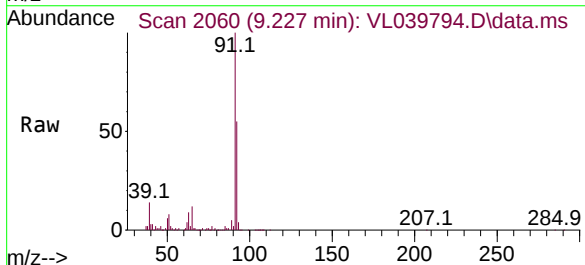
Manual Integrations
APPROVED

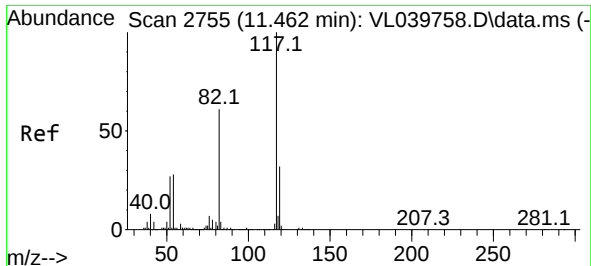
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#53
Toluene
Concen: 1.760 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. 0.010 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

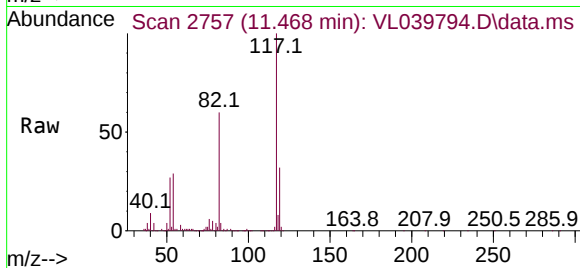
Tgt Ion: 91 Resp: 318110
Ion Ratio Lower Upper
91 100
92 59.6 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

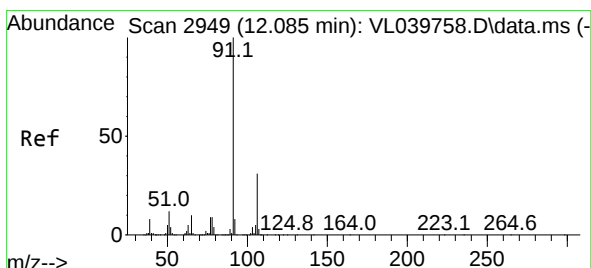
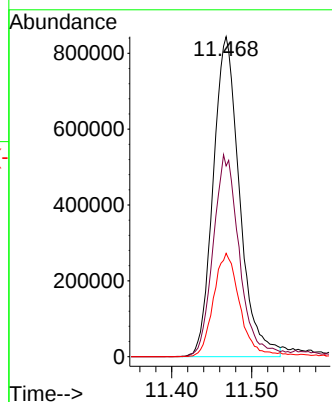
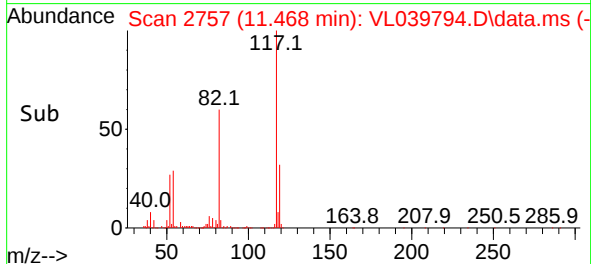
Instrument :
MSVOA_L
ClientSampleId :
M



Tgt Ion:117 Resp: 193184
Ion Ratio Lower Upper
117 100
82 66.1 49.9 74.9
119 33.3 25.2 37.8

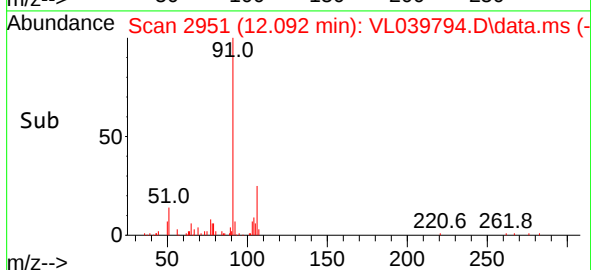
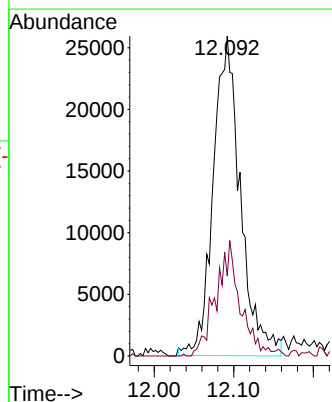
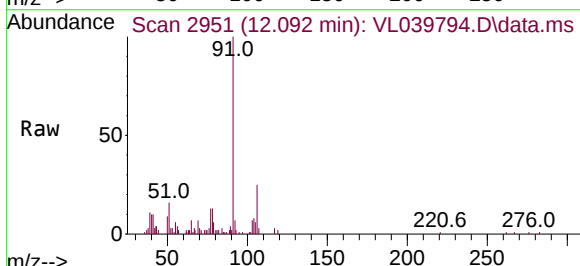
Manual Integrations
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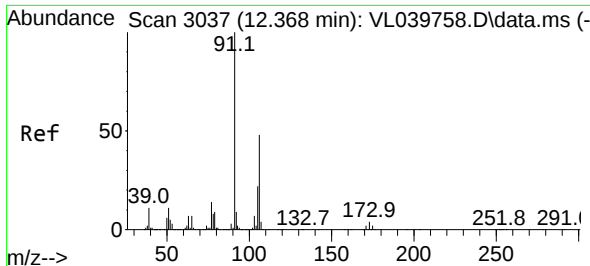
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#58
Ethyl Benzene
Concen: 0.279 ppbv m
RT: 12.092 min Scan# 2951
Delta R.T. 0.006 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

Tgt Ion: 91 Resp: 61435
Ion Ratio Lower Upper
91 100
106 25.0 24.6 36.8





#59

m/p-Xylene

Concen: 0.762 ppbv m

RT: 12.346 min Scan# 3037

Delta R.T. -0.023 min

Lab File: VL039794.D

Acq: 25 Oct 2022 19:13

Instrument :

MSVOA_L

ClientSampleId :

M

Tgt Ion: 91 Resp: 151278

Ion Ratio Lower Upper

91 100

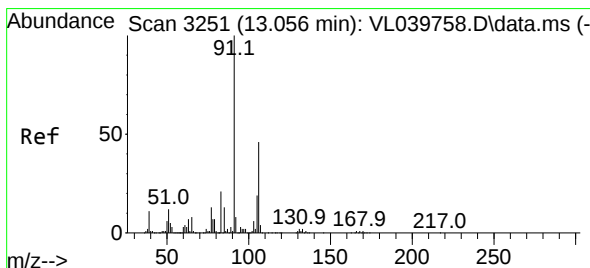
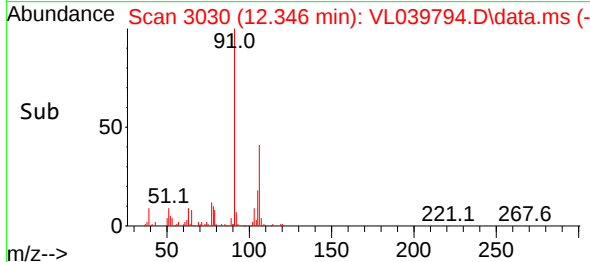
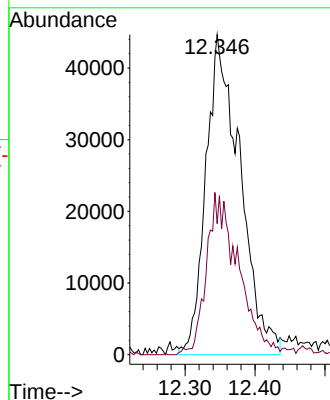
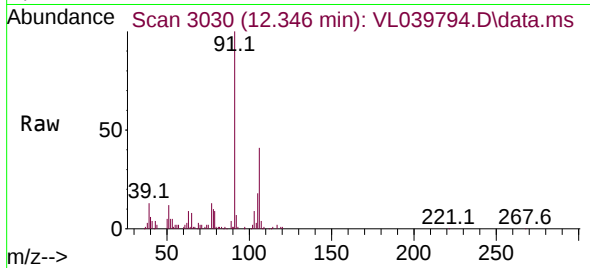
106 0.0 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2022

Supervised By :Mahesh Dadoda 10/31/2022



#60

o-Xylene

Concen: 0.369 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.006 min

Lab File: VL039794.D

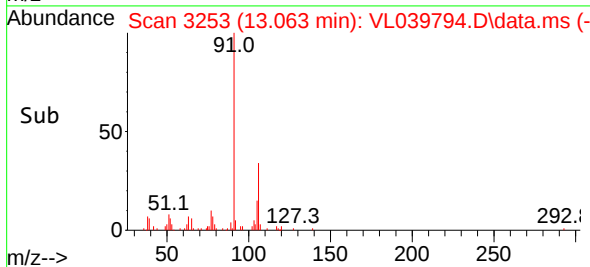
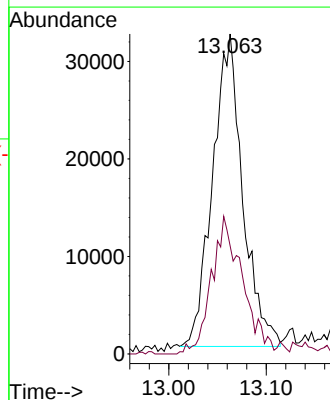
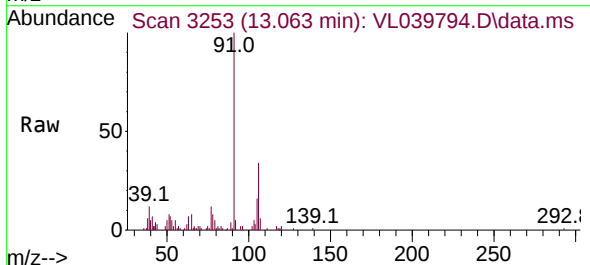
Acq: 25 Oct 2022 19:13

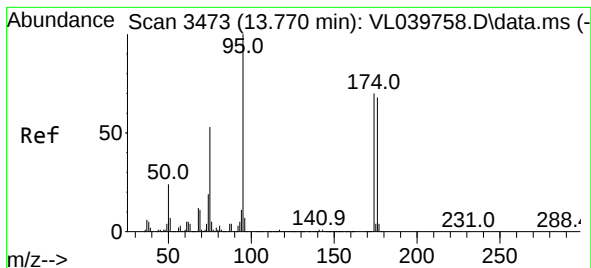
Tgt Ion: 91 Resp: 68815

Ion Ratio Lower Upper

91 100

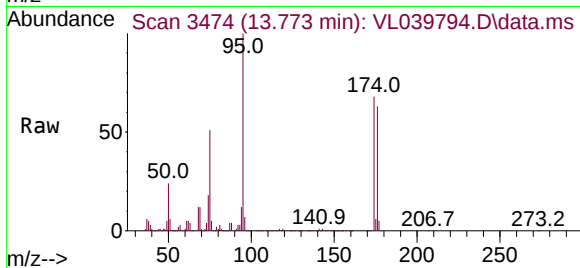
106 46.3 22.9 68.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.833 ppbv
RT: 13.773 min Scan# 3473
Delta R.T. 0.003 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

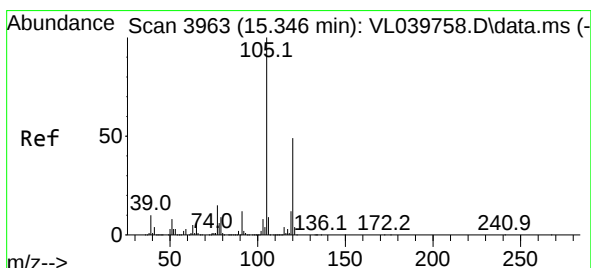
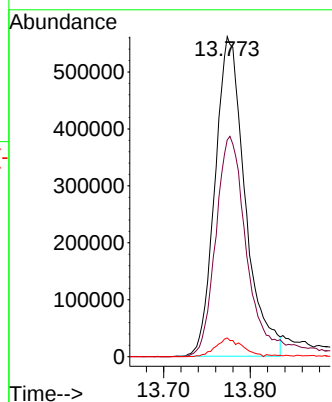
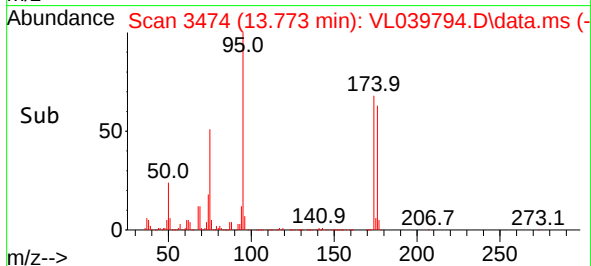
Instrument :
MSVOA_L
ClientSampleId :
M



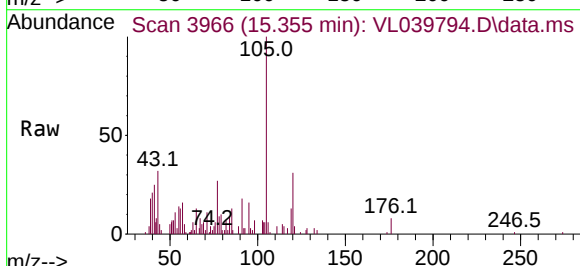
Tgt Ion: 95 Resp: 135137
Ion Ratio Lower Upper
95 100
174 76.5 57.3 85.9
175 5.5 4.2 6.2

Manual Integrations
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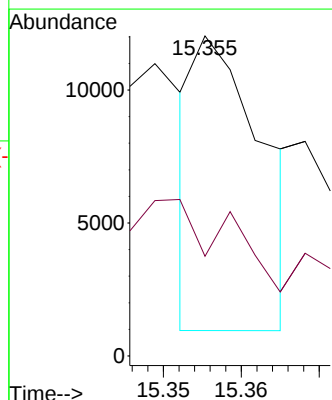
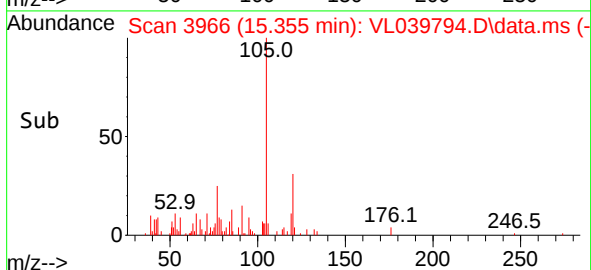
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

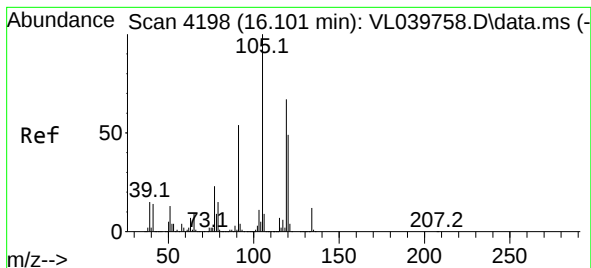


#73
1,3,5-Trimethylbenzene
Concen: 0.035 ppbv
RT: 15.355 min Scan# 3966
Delta R.T. 0.010 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13



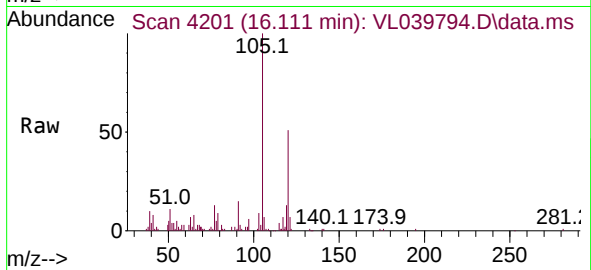
Tgt Ion:105 Resp: 6730
Ion Ratio Lower Upper
105 100
120 31.6 39.0 58.6#





#74
1,2,4-Trimethylbenzene
Concen: 0.402 ppbv
RT: 16.111 min Scan# 4198
Delta R.T. 0.010 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

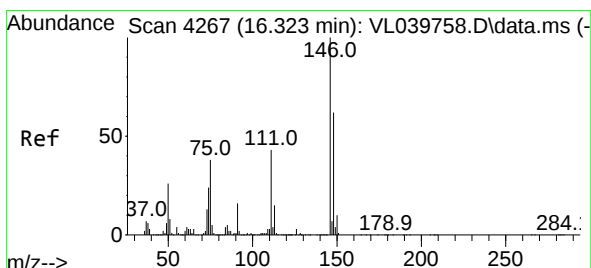
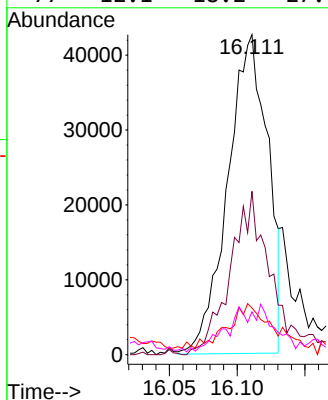
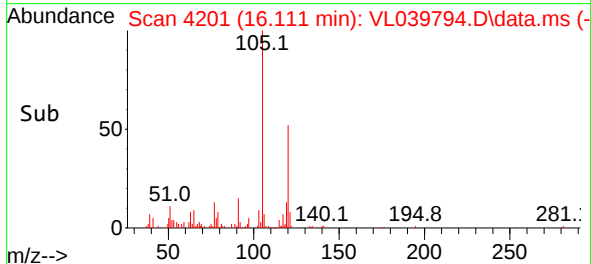
Instrument :
MSVOA_L
ClientSampleId :
M



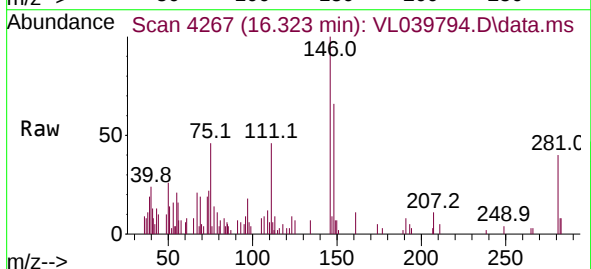
Tgt Ion:105 Resp: 8739
Ion Ratio Lower Upper
105 100
120 51.2 39.6 59.4
91 12.2 42.9 64.3
77 12.1 18.2 27.4#

Manual Integrations
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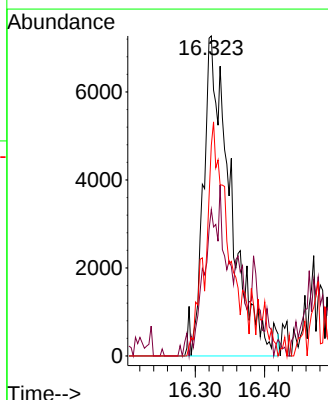
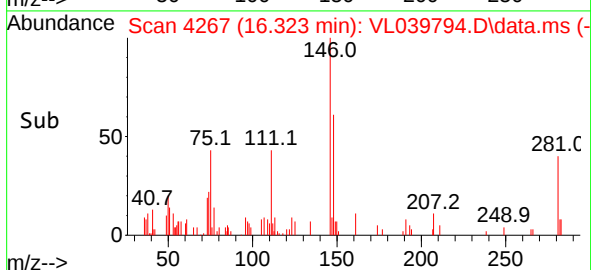
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

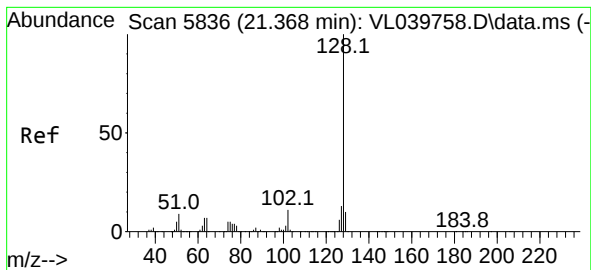


#75
1,3-Dichlorobenzene
Concen: 0.151 ppbv m
RT: 16.323 min Scan# 4267
Delta R.T. 0.000 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13



Tgt Ion:146 Resp: 19949
Ion Ratio Lower Upper
146 100
111 63.8 22.4 67.3
148 0.0 32.4 97.0#





#79
Naphthalene
Concen: 0.178 ppbv m
RT: 21.381 min Scan# 5840
Delta R.T. 0.013 min
Lab File: VL039794.D
Acq: 25 Oct 2022 19:13

Instrument :
MSVOA_L
ClientSampleId :
M

Tgt Ion:128 Resp: 23728
Ion Ratio Lower Upper
128 100
127 12.0 10.5 15.7
129 7.6 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

