

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
 Data File : VL039726.D
 Acq On : 17 Oct 2022 19:22
 Operator : SY/AP
 Sample : N5169-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/18/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 05:28:57 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12

QLast Update : Tue Oct 18 05:23:57 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.227	49	1066602	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.684	114	2842441	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	2580376	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1884813	9.785	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.767	85	23406	0.189	ppbv	100
9) Propene	2.738	41	36137m	0.625	ppbv	
10) Heptane	7.613	43	33239m	0.246	ppbv	
13) Ethanol	3.282	45	12066m	2.739	ppbv	
15) Acetone	3.510	43	571797	4.818	ppbv	96
19) Isopropyl Alcohol	3.635	45	12526m	0.207	ppbv	
20) Methylene Chloride	3.970	84	177086	3.227	ppbv	94
26) Hexane	5.250	57	218826	1.992	ppbv #	37
27) Carbon Disulfide	4.163	76	14498	0.126	ppbv #	86
29) Chloroform	5.307	83	4574257	28.851	ppbv	98
32) 1,1,1-Trichloroethane	6.041	97	17419m	0.121	ppbv	
34) 2-Butanone	4.835	43	65389	0.468	ppbv	91
35) Carbon Tetrachloride	6.526	117	1424368	9.439	ppbv	99
36) Benzene	6.407	78	27815m	0.128	ppbv	
52) Tetrachloroethene	10.645	164	108941m	1.314	ppbv	
53) Toluene	9.253	91	397324	1.644	ppbv	99
58) Ethyl Benzene	12.124	91	116800	0.393	ppbv	95
59) m/p-Xylene	12.375	91	481296	1.818	ppbv	94
60) o-Xylene	13.088	91	160982	0.637	ppbv	99
64) n-propylbenzene	14.941	120	16497m	0.169	ppbv	
72) 4-Ethyltoluene	15.223	105	112519m	0.390	ppbv	
73) 1,3,5-Trimethylbenzene	15.378	105	77940m	0.295	ppbv	
74) 1,2,4-Trimethylbenzene	16.137	105	407334	1.376	ppbv #	74
79) Naphthalene	21.426	128	24852m	0.127	ppbv	

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

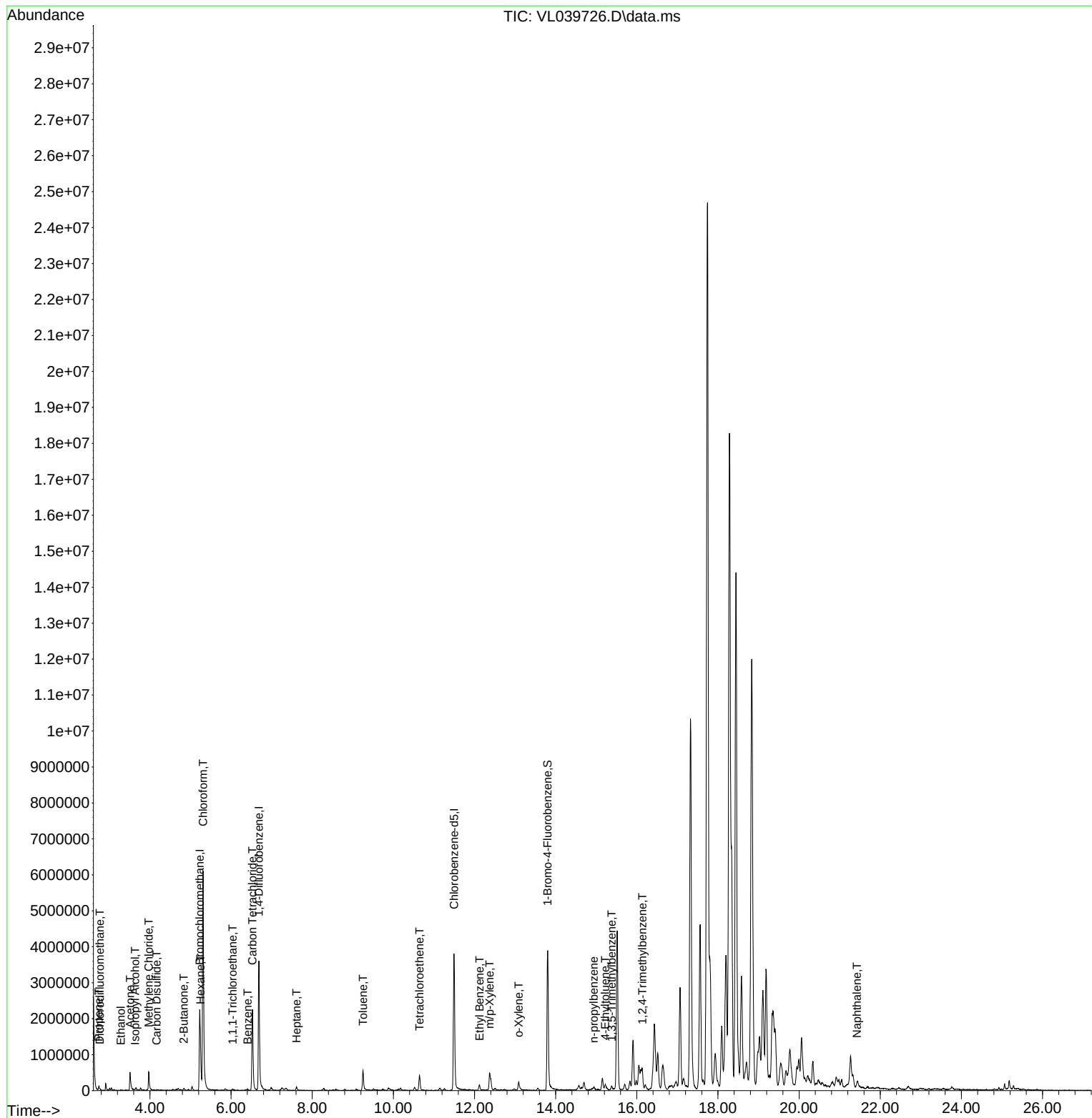
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
Data File : VL039726.D
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Misc : 400mL/MSVOA_L
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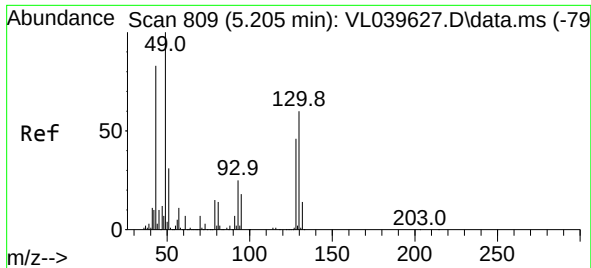
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Oct 18 05:28:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Oct 18 05:23:57 2022
Response via : Initial Calibration

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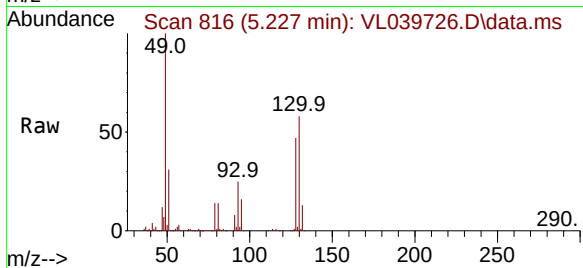
Reviewed By : Semsettin Yesilyurt 10/18/2022
Supervised By : Mahesh Dadoda 10/19/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.227 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

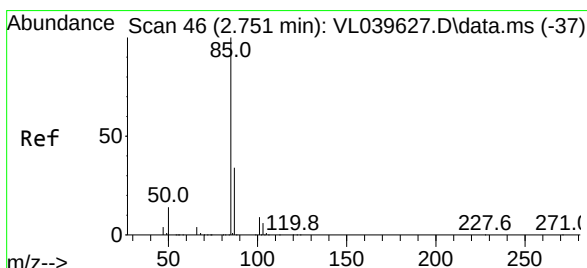
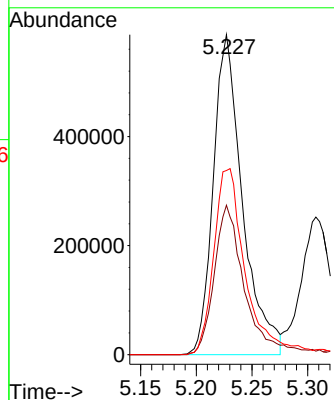
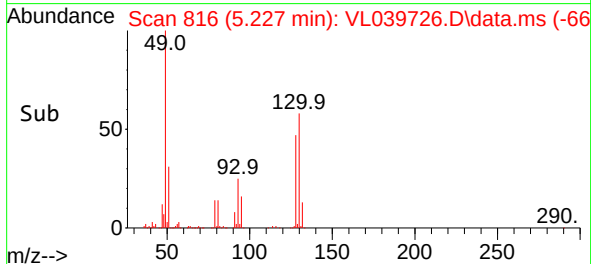
Instrument :
MSVOA_L
ClientSampleId :
SV1



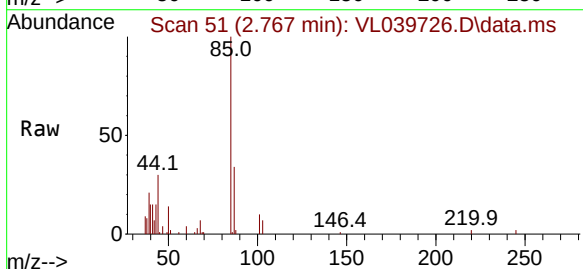
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Ion Ratio Lower Upper
49 100
128 51.2 26.7 80.0
130 66.4 34.3 102.8

Manual Integrations
APPROVED

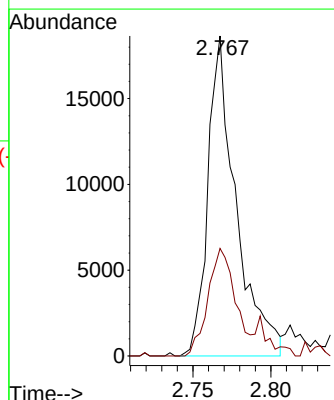
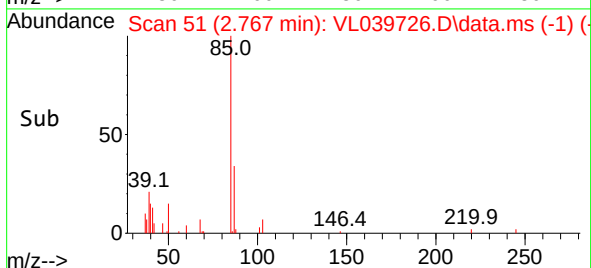
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022

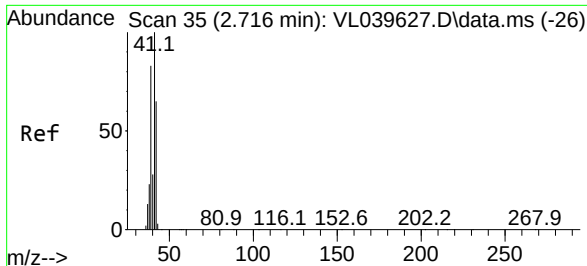


#2
Dichlorodifluoromethane
Concen: 0.189 ppbv
RT: 2.767 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22



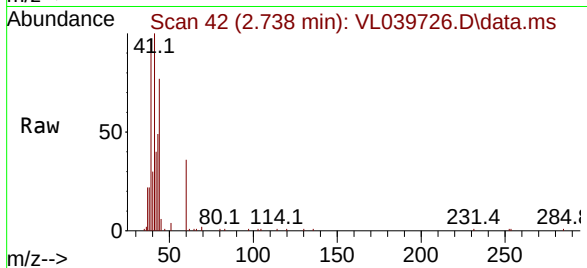
Tgt Ion: 85 Resp: 23406
Ion Ratio Lower Upper
85 100
87 33.6 26.7 40.1





#9
 Propene
 Concen: 0.625 ppbv m
 RT: 2.738 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL039726.D
 Acq: 17 Oct 2022 19:22

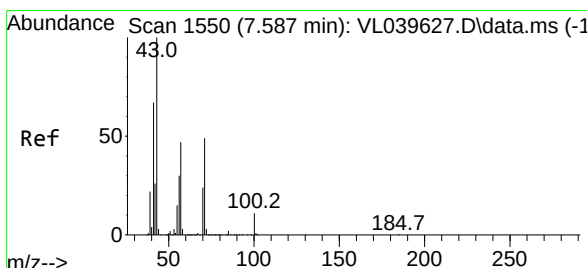
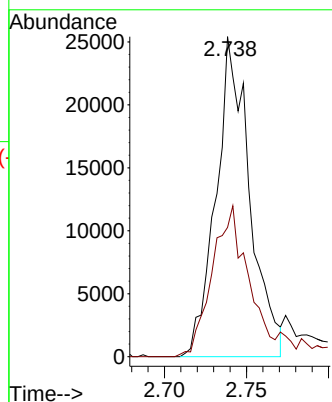
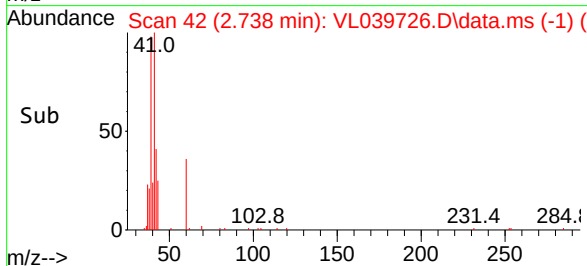
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



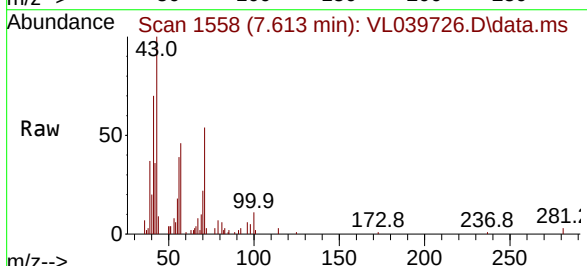
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 Ion Ratio Lower Upper
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 42 58.0 55.2 82.8

Manual Integrations
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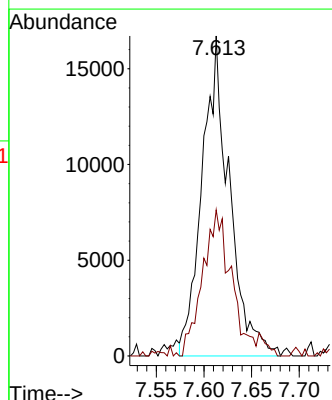
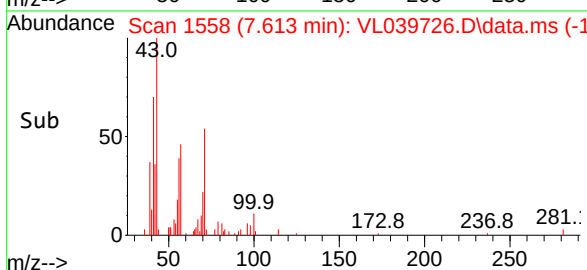
Reviewed By :Semsettin Yesilyurt 10/18/2022
 Supervised By :Mahesh Dadoda 10/19/2022

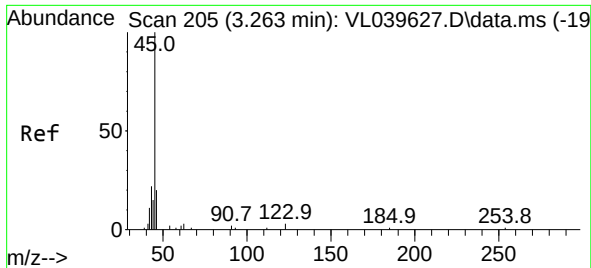


#10
 Heptane
 Concen: 0.246 ppbv m
 RT: 7.613 min Scan# 1558
 Delta R.T. 0.003 min
 Lab File: VL039726.D
 Acq: 17 Oct 2022 19:22



Tgt Ion: 43 Resp: 33239
 Ion Ratio Lower Upper
 43 100
 57 50.8 40.5 60.7





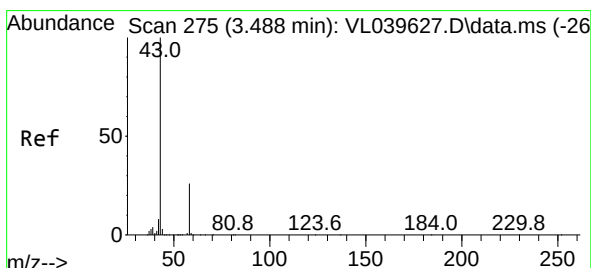
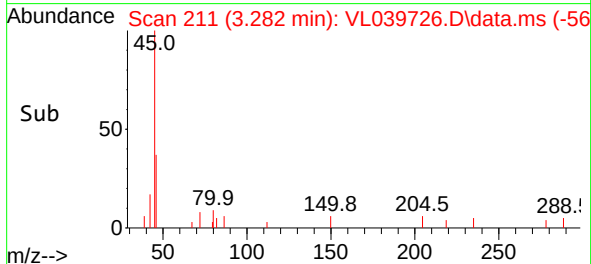
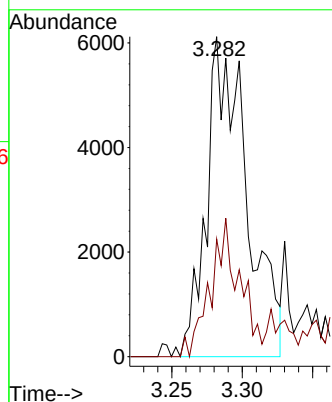
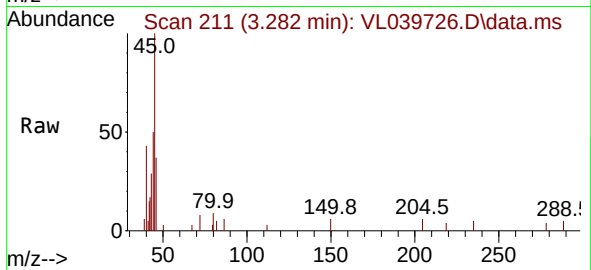
#13
Ethanol
Concen: 2.739 ppbv m
RT: 3.282 min Scan# 211
Delta R.T. -0.000 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 12060
Ion Ratio Lower Upper
45 100
46 34.6 22.8 91.2

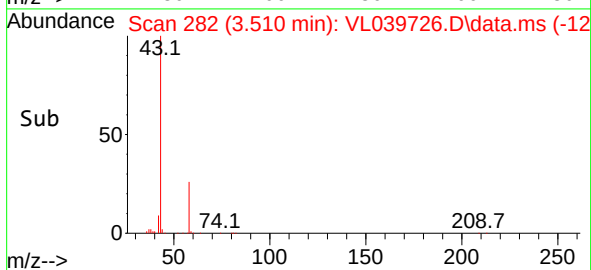
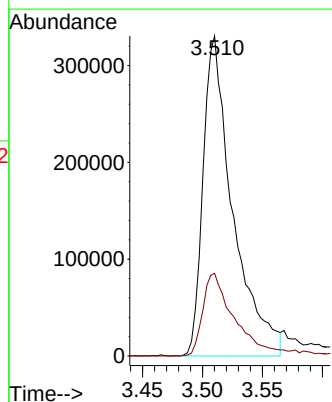
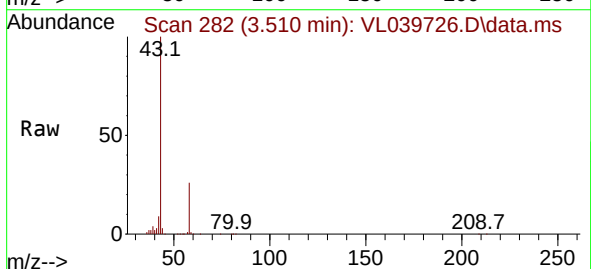
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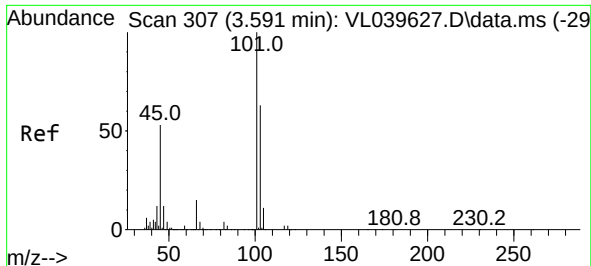
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#15
Acetone
Concen: 4.818 ppbv
RT: 3.510 min Scan# 282
Delta R.T. 0.006 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

Tgt Ion: 43 Resp: 571797
Ion Ratio Lower Upper
43 100
58 28.6 21.0 31.6





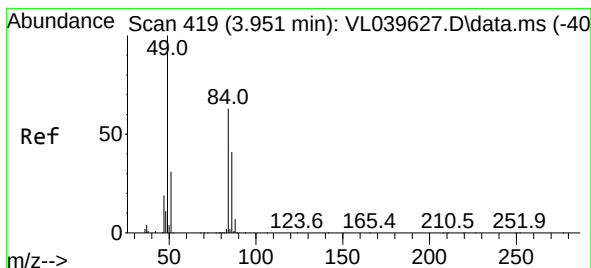
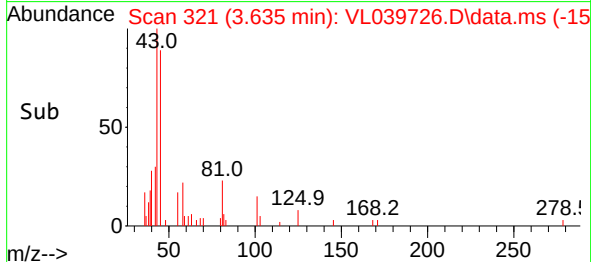
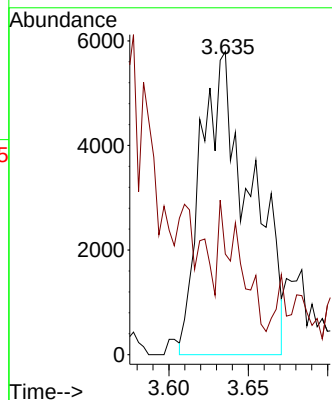
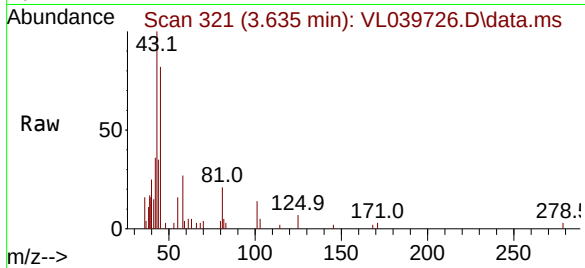
#19
Isopropyl Alcohol
Concen: 0.207 ppbv m
RT: 3.635 min Scan# 31
Delta R.T. 0.022 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 12520
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8

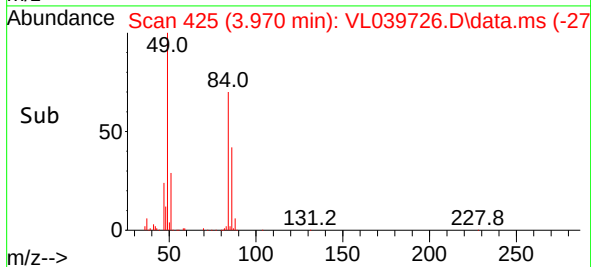
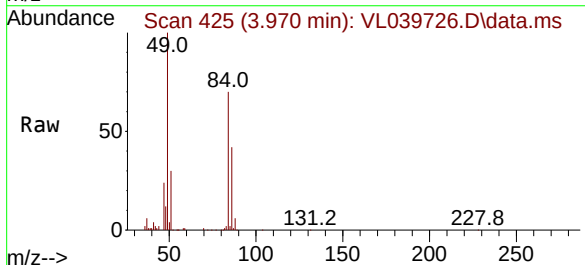
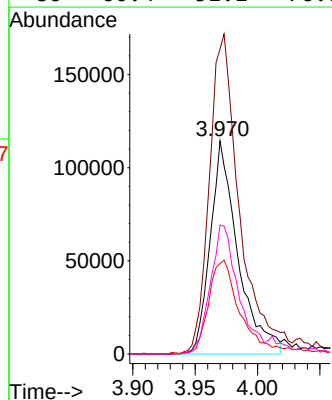
Manual Integrations
APPROVED

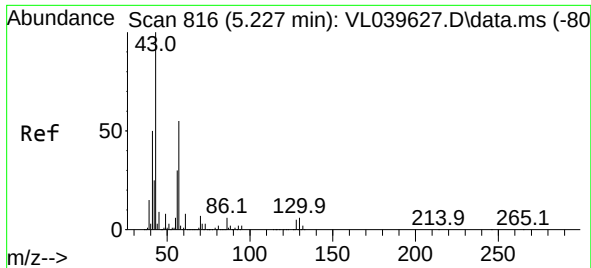
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#20
Methylene Chloride
Concen: 3.227 ppbv
RT: 3.970 min Scan# 425
Delta R.T. -0.000 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

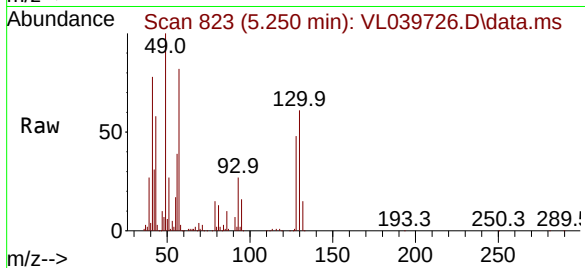
Tgt Ion: 84 Resp: 177086
Ion Ratio Lower Upper
84 100
49 143.1 123.1 184.7
51 42.2 34.4 51.6
86 60.4 51.1 76.7





#26
Hexane
Concen: 1.992 ppbv
RT: 5.250 min Scan# 816
Delta R.T. 0.003 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

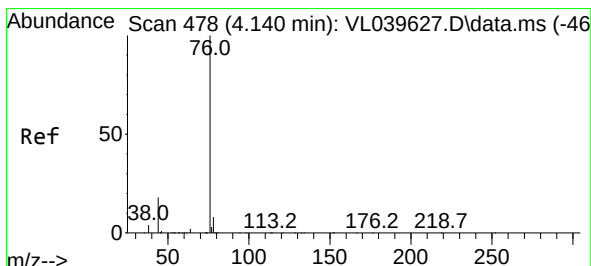
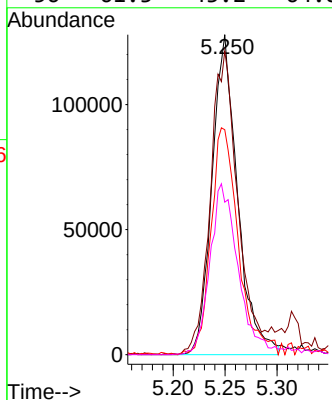
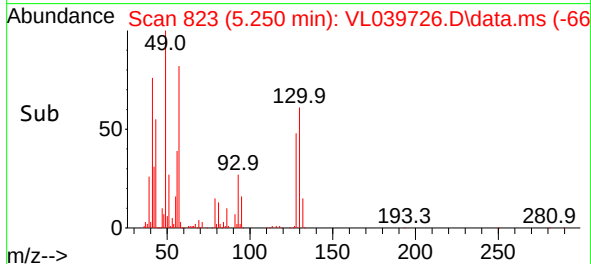
Instrument :
MSVOA_L
ClientSampleId :
SV1



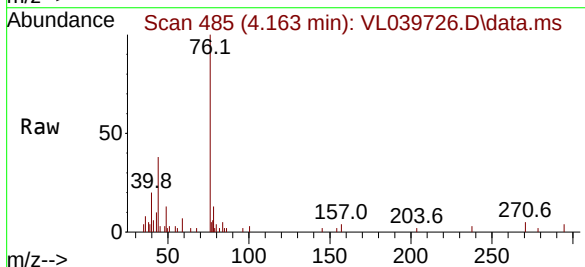
Tgt Ion: 57 Resp: 218820
Ion Ratio Lower Upper
57 100
41 106.3 76.9 115.3
43 77.3 191.0 286.6
56 61.3 43.2 64.8

Manual Integrations
APPROVED

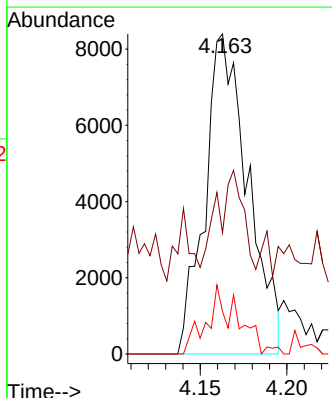
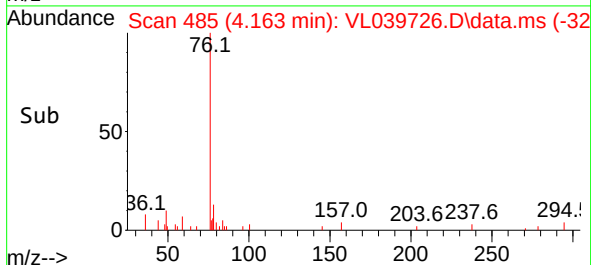
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022

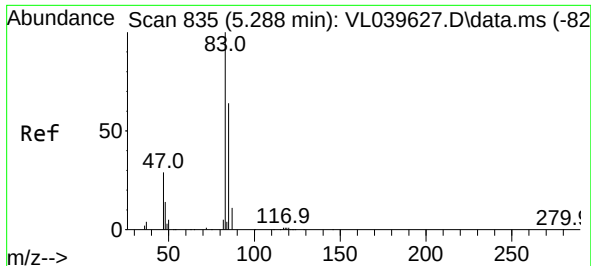


#27
Carbon Disulfide
Concen: 0.126 ppbv
RT: 4.163 min Scan# 485
Delta R.T. 0.003 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22



Tgt Ion: 76 Resp: 14498
Ion Ratio Lower Upper
76 100
44 24.0 14.6 21.8#
78 15.6 7.8 11.6#





#29

Chloroform

Concen: 28.851 ppbv

RT: 5.307 min Scan# 84

Delta R.T. -0.000 min

Lab File: VL039726.D

Acq: 17 Oct 2022 19:22

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 83 Resp: 457425

Ion Ratio Lower Upper

83 100

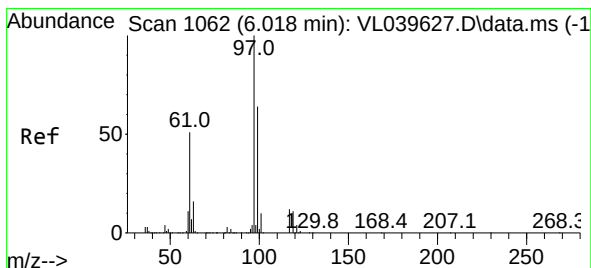
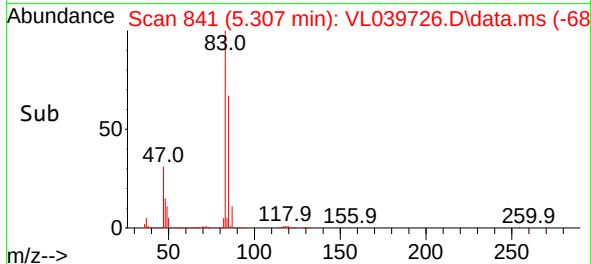
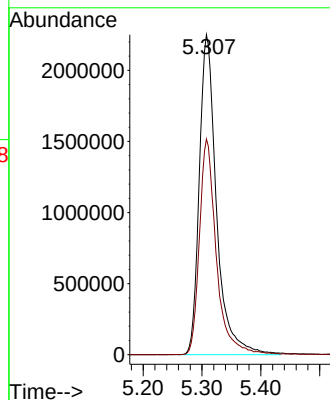
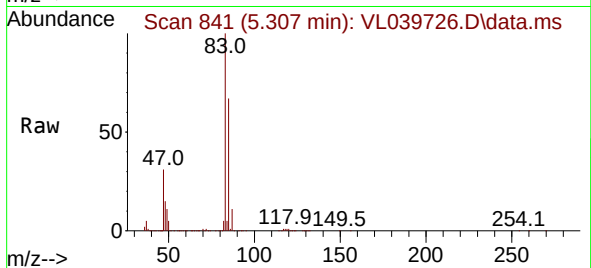
85 67.4 52.8 79.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 0.121 ppbv m

RT: 6.041 min Scan# 1069

Delta R.T. 0.003 min

Lab File: VL039726.D

Acq: 17 Oct 2022 19:22

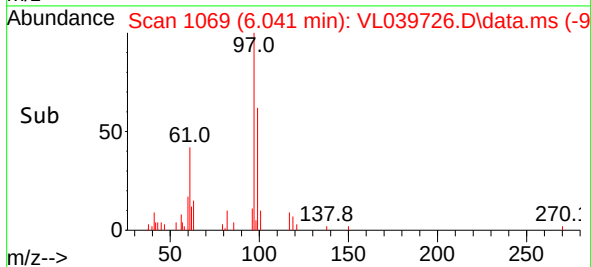
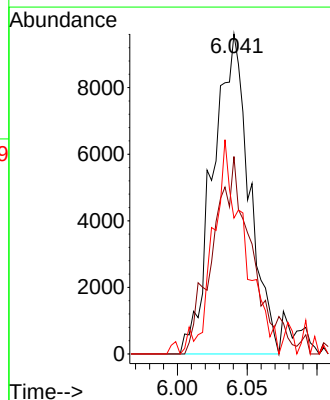
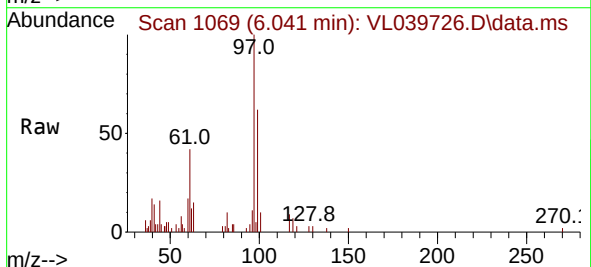
Tgt Ion: 97 Resp: 17419

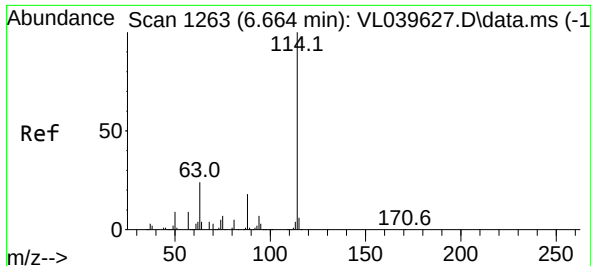
Ion Ratio Lower Upper

97 100

99 67.9 52.3 78.5

61 58.2 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.684 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL039726.D

Acq: 17 Oct 2022 19:22

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:114 Resp: 284244

Ion Ratio Lower Upper

114 100

63 24.9 20.2 30.4

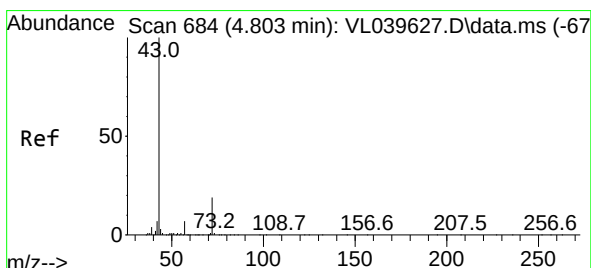
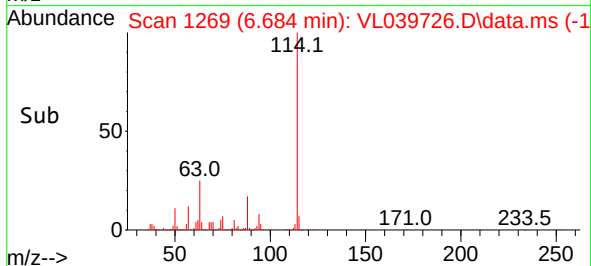
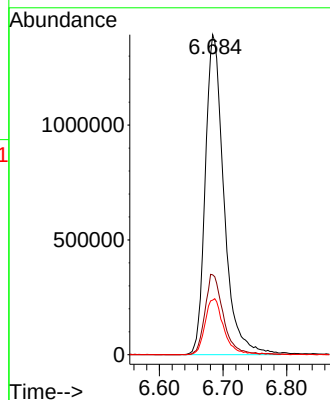
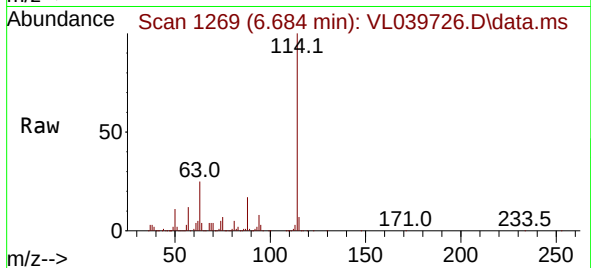
88 17.8 14.5 21.7

Manual Integrations

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Supervised By :Mahesh Dadoda 10/19/2022



#34

2-Butanone

Concen: 0.468 ppbv

RT: 4.835 min Scan# 694

Delta R.T. 0.013 min

Lab File: VL039726.D

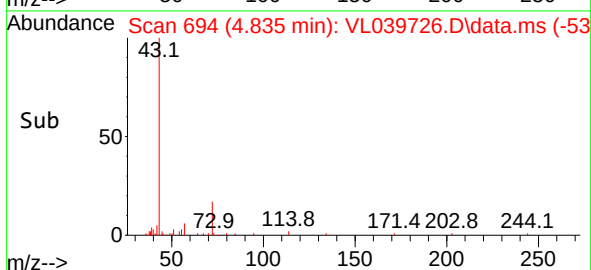
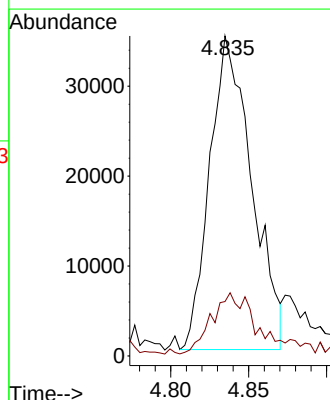
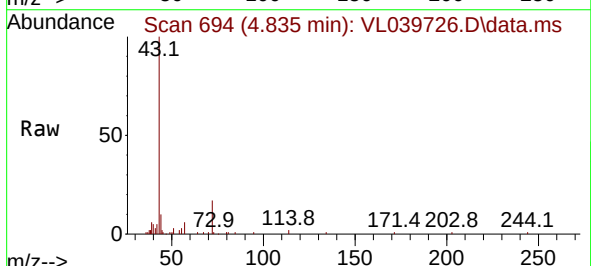
Acq: 17 Oct 2022 19:22

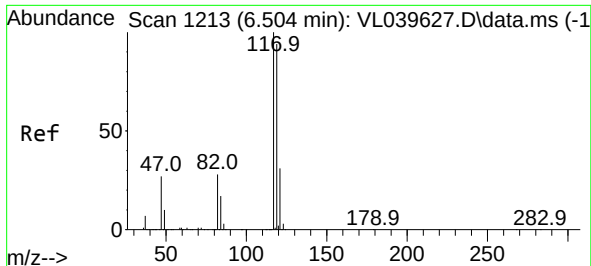
Tgt Ion: 43 Resp: 65389

Ion Ratio Lower Upper

43 100

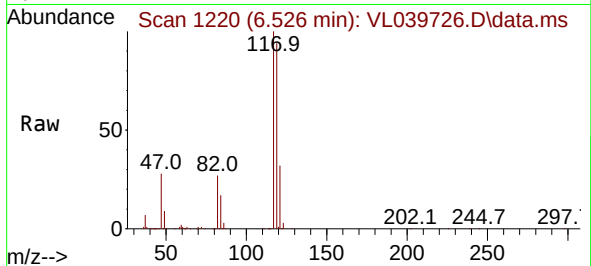
72 26.5 17.9 26.9





#35
Carbon Tetrachloride
Concen: 9.439 ppbv
RT: 6.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

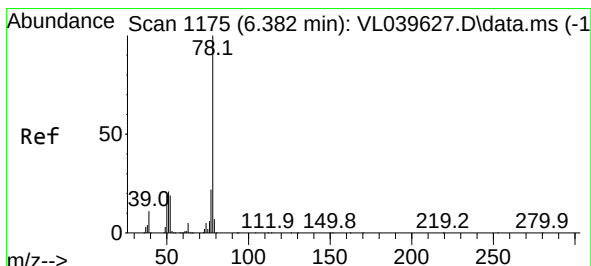
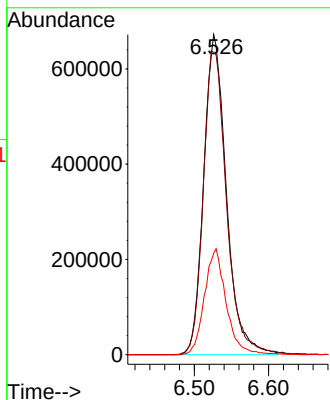
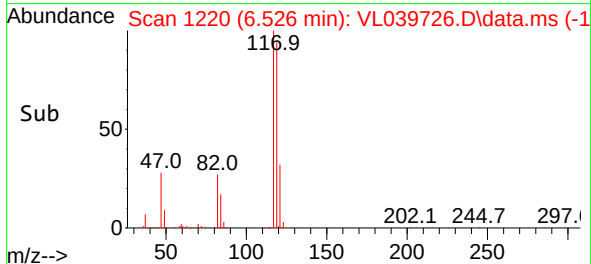
Instrument : MSVOA_L
ClientSampleId : SV1



Tgt Ion: 117 Resp: 142436
Ion Ratio Lower Upper
117 100
119 94.4 75.4 113.2
121 31.7 24.2 36.2

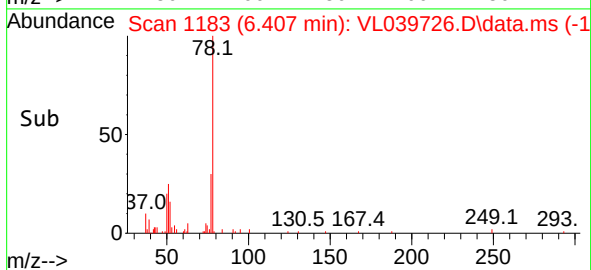
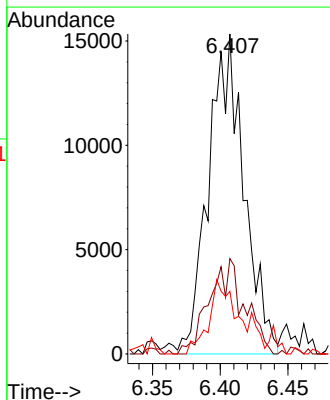
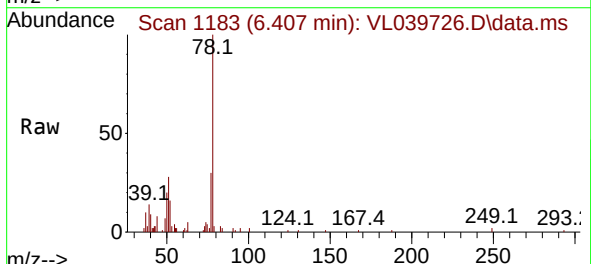
Manual Integrations
APPROVED

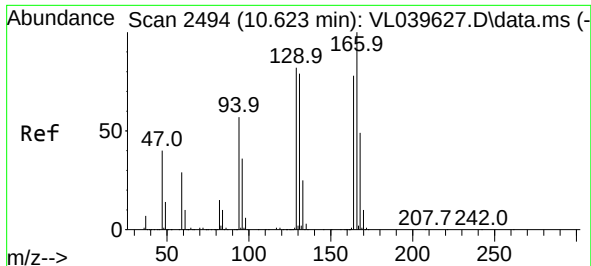
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#36
Benzene
Concen: 0.128 ppbv m
RT: 6.407 min Scan# 1183
Delta R.T. 0.006 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

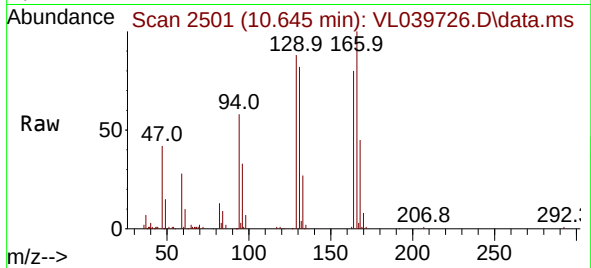
Tgt Ion: 78 Resp: 27815
Ion Ratio Lower Upper
78 100
77 29.8 20.3 30.5
50 19.5 15.5 23.3





#52
Tetrachloroethene
Concen: 1.314 ppbv m
RT: 10.645 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

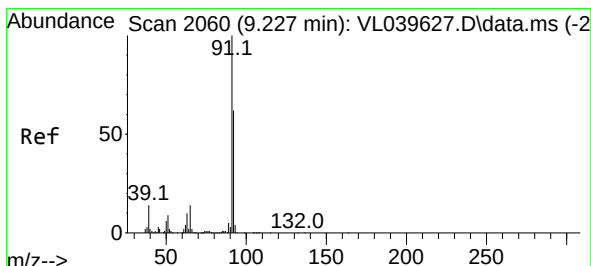
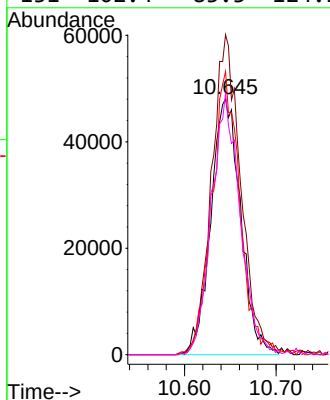
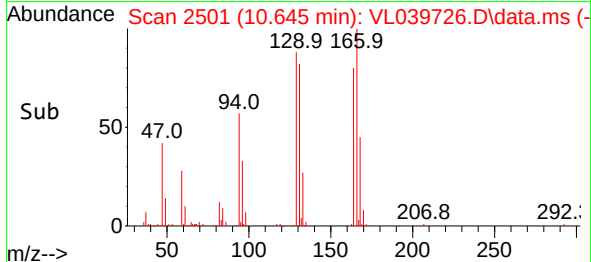
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp: 10894
Ion Ratio Lower Upper
164 100
166 125.2 102.2 153.2
129 110.7 85.8 128.8
131 102.4 83.3 124.9

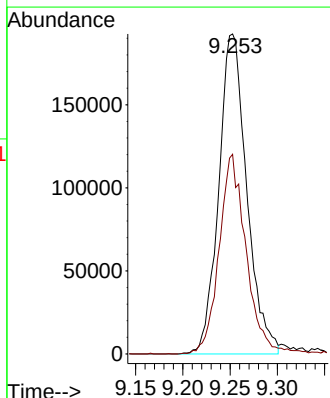
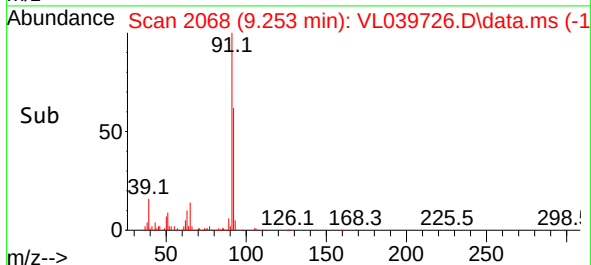
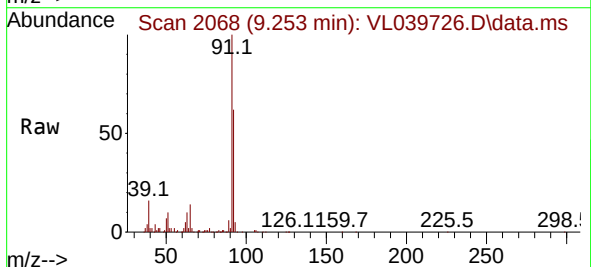
Manual Integrations
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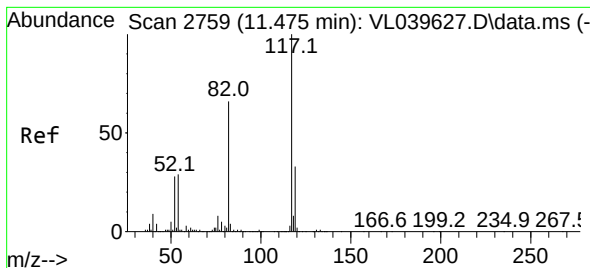
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#53
Toluene
Concen: 1.644 ppbv
RT: 9.253 min Scan# 2068
Delta R.T. 0.003 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

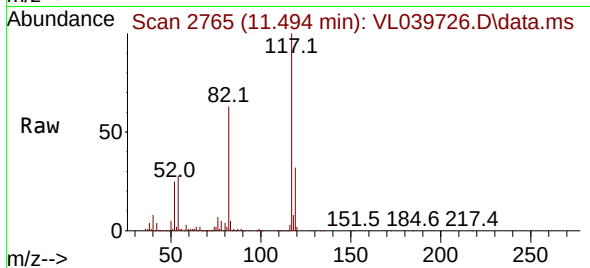
Tgt Ion: 91 Resp: 397324
Ion Ratio Lower Upper
91 100
92 60.7 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

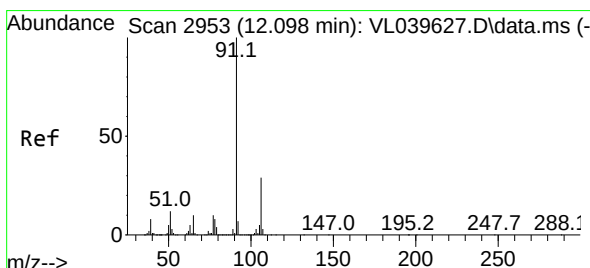
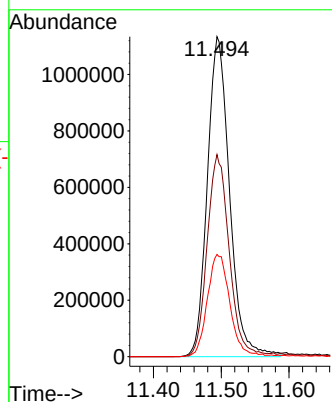
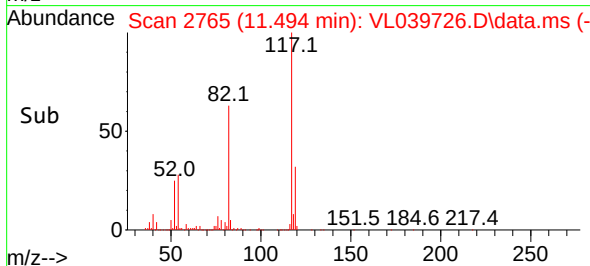
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:117 Resp: 2580370
Ion Ratio Lower Upper
117 100
82 64.2 50.8 76.2
119 32.9 24.1 36.1

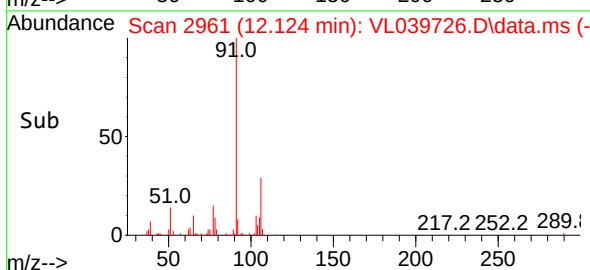
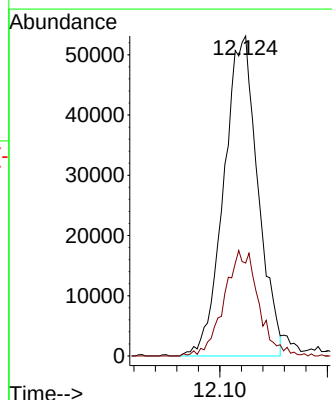
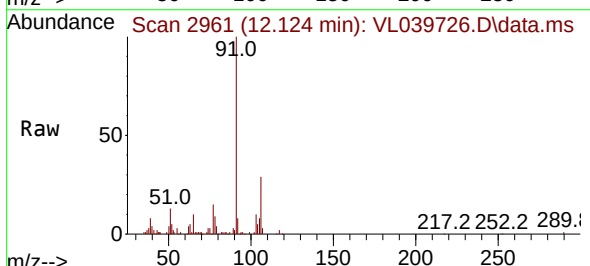
Manual Integrations
APPROVED

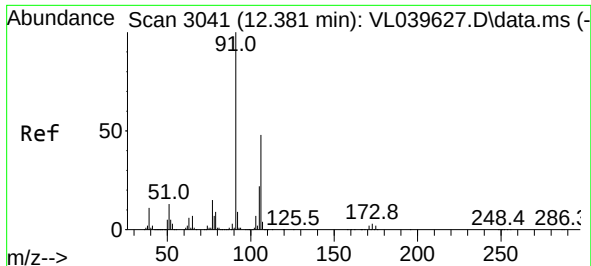
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#58
Ethyl Benzene
Concen: 0.393 ppbv
RT: 12.124 min Scan# 2961
Delta R.T. 0.009 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

Tgt Ion: 91 Resp: 116800
Ion Ratio Lower Upper
91 100
106 29.1 25.4 38.0





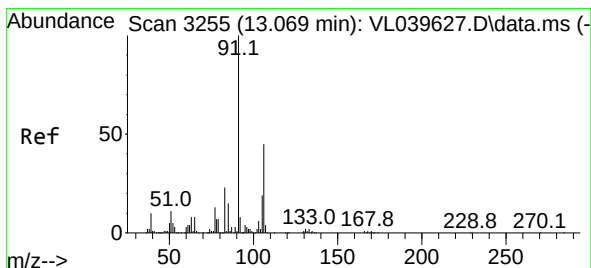
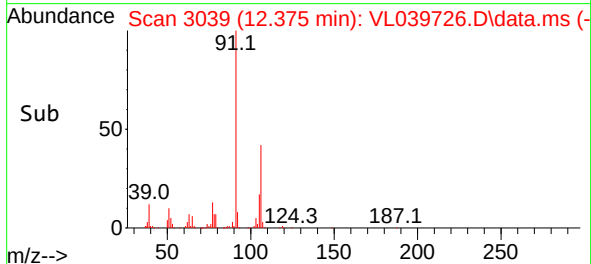
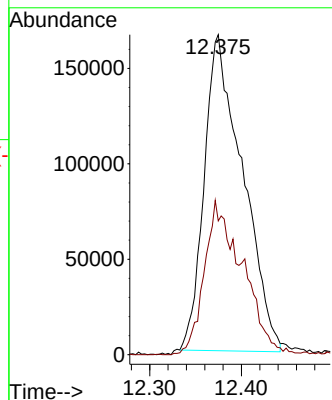
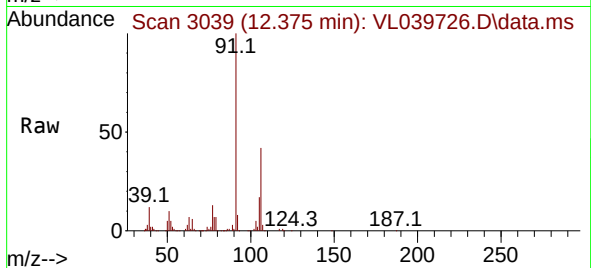
#59
m/p-Xylene
Concen: 1.818 ppbv
RT: 12.375 min Scan# 3041
Delta R.T. -0.026 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 481290
Ion Ratio Lower Upper
91 100
106 48.3 35.4 53.2

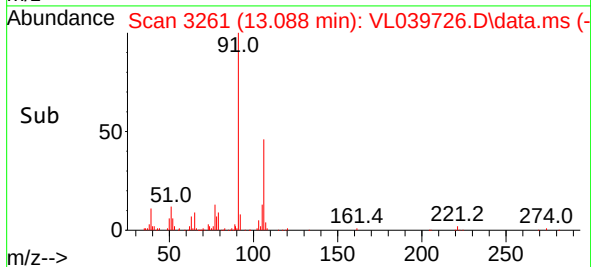
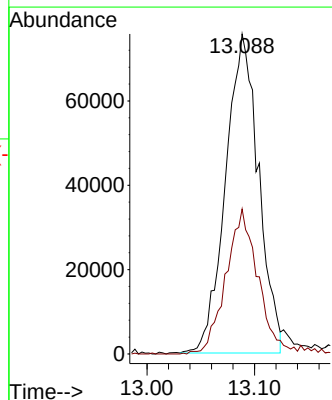
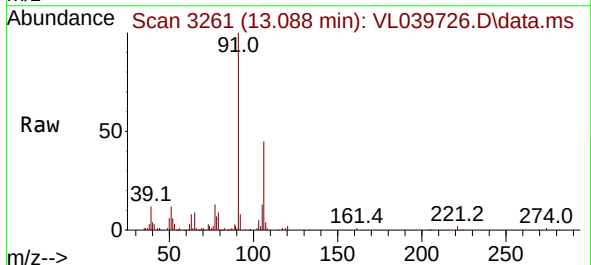
Manual Integrations
APPROVED

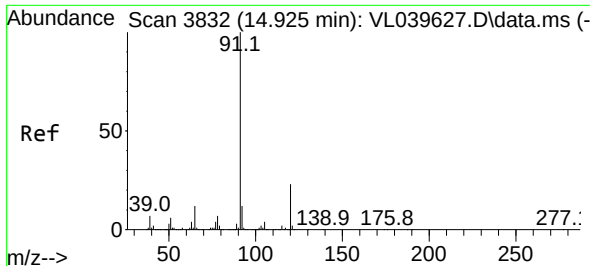
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#60
o-Xylene
Concen: 0.637 ppbv
RT: 13.088 min Scan# 3261
Delta R.T. 0.003 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

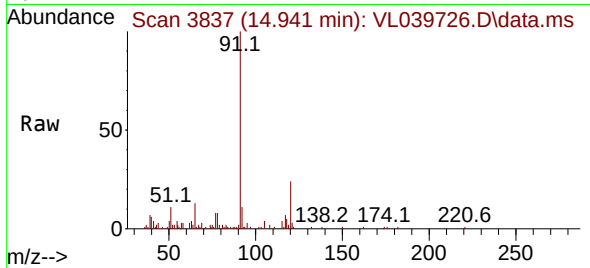
Tgt Ion: 91 Resp: 160982
Ion Ratio Lower Upper
91 100
106 45.3 22.4 67.3





#64
n-propylbenzene
Concen: 0.169 ppbv m
RT: 14.941 min Scan# 3837
Delta R.T. -0.000 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

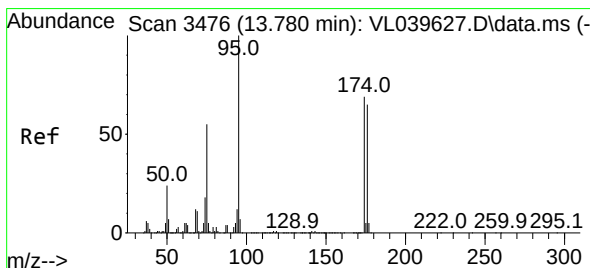
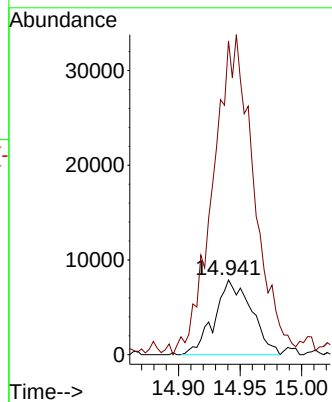
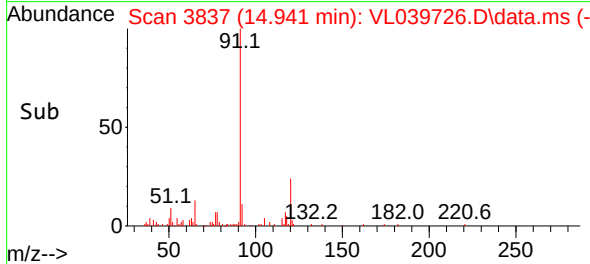
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:120 Resp: 1649
Ion Ratio Lower Upper
120 100
91 15.3 367.2 550.8

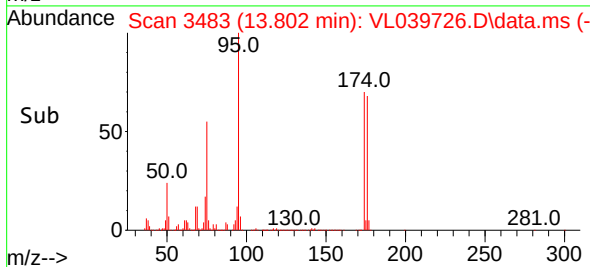
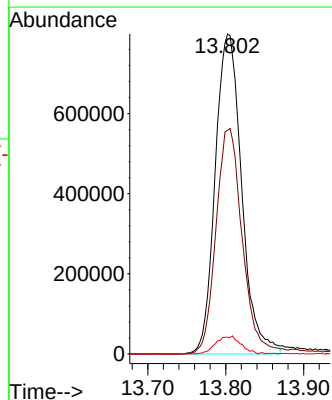
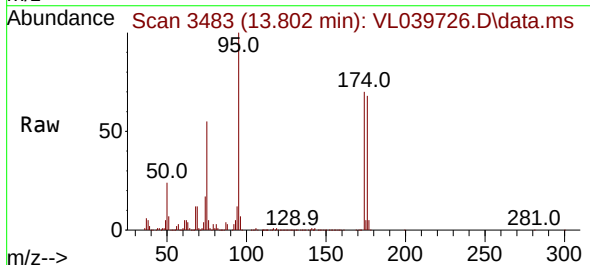
Manual Integrations
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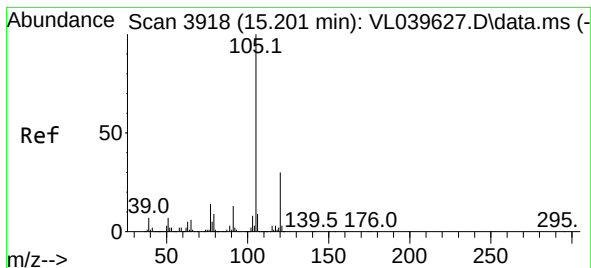
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.785 ppbv
RT: 13.802 min Scan# 3483
Delta R.T. 0.003 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

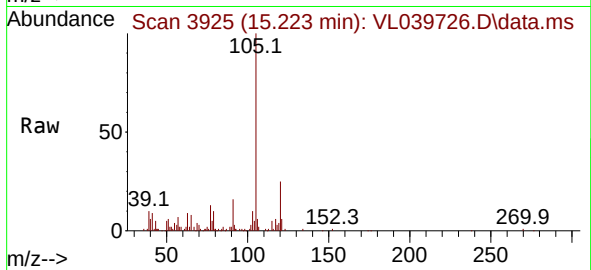
Tgt Ion: 95 Resp: 1884813
Ion Ratio Lower Upper
95 100
174 71.9 55.9 83.9
175 5.5 4.2 6.4





#72
4-Ethyltoluene
Concen: 0.390 ppbv m
RT: 15.223 min Scan# 3918
Delta R.T. 0.003 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

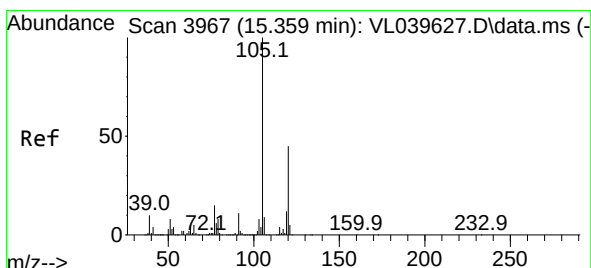
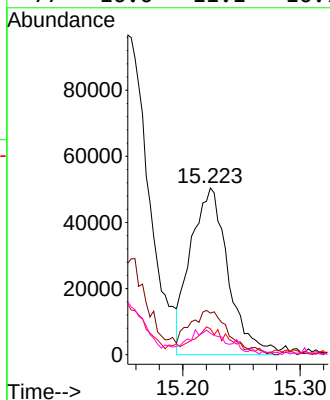
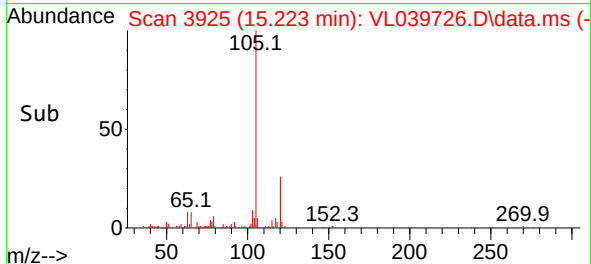
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:105 Resp: 112519
Ion Ratio Lower Upper
105 100
120 30.8 24.2 36.2
91 15.0 10.2 15.4
77 16.6 11.1 16.7

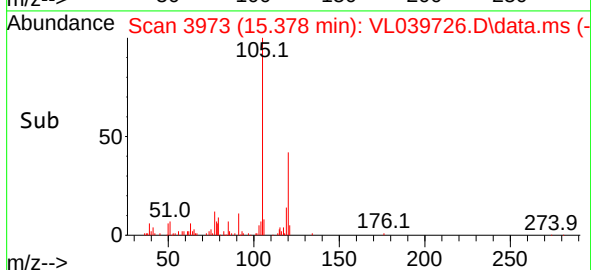
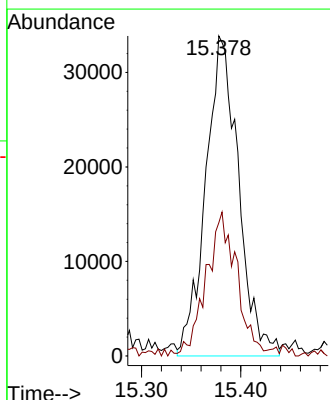
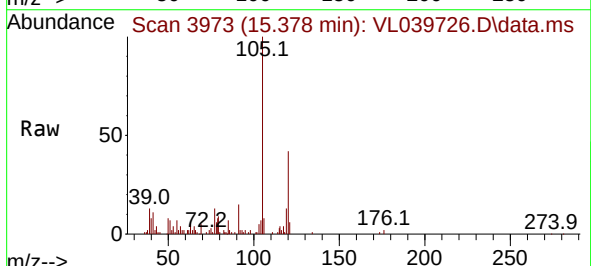
Manual Integrations
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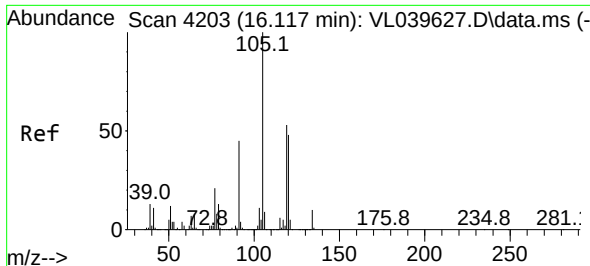
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.295 ppbv m
RT: 15.378 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

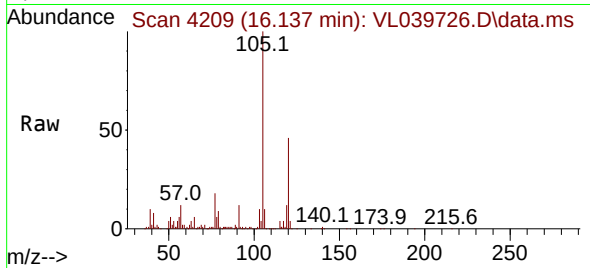
Tgt Ion:105 Resp: 77940
Ion Ratio Lower Upper
105 100
120 41.6 38.2 57.4





#74
1,2,4-Trimethylbenzene
Concen: 1.376 ppbv
RT: 16.137 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

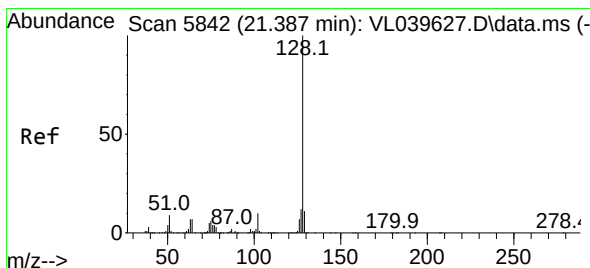
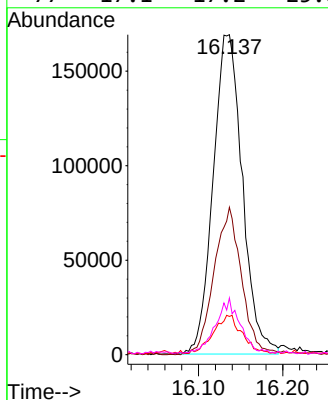
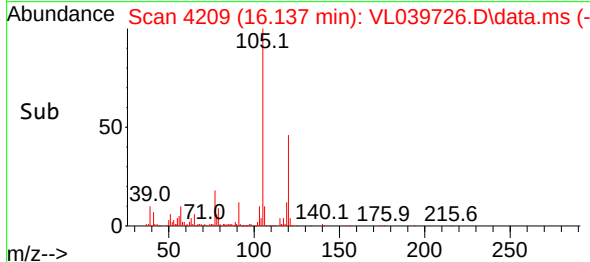
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:105 Resp: 407334
Ion Ratio Lower Upper
105 100
120 46.0 39.5 59.3
91 11.5 39.2 58.8
77 17.1 17.2 25.8#

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#79
Naphthalene
Concen: 0.127 ppbv m
RT: 21.426 min Scan# 5854
Delta R.T. 0.019 min
Lab File: VL039726.D
Acq: 17 Oct 2022 19:22

Tgt Ion:128 Resp: 24852
Ion Ratio Lower Upper
128 100
127 17.4 10.6 15.8#
129 10.5 8.8 13.2

