

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
 Data File : VL039367.D
 Acq On : 27 Jun 2022 20:24
 Operator : SY/AP
 Sample : N3453-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022

Quant Time: Jun 28 02:40:23 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.665	49	1203914	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	3391778	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	3100893	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	2438196	9.511	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.100%
Target Compounds						
					Qvalue	
9) Propene	3.018	41	57681m	0.864	ppbv	
13) Ethanol	3.597	45	186012m	51.065	ppbv	
15) Acetone	3.851	43	226074	1.803	ppbv	99
17) tert-Butyl alcohol	4.301	59	97230	1.000	ppbv	95
19) Isopropyl Alcohol	3.970	45	14006m	0.238	ppbv	
20) Methylene Chloride	4.343	84	259880	4.917	ppbv	90
26) Hexane	5.687	57	164744	1.326	ppbv #	41
34) 2-Butanone	5.250	43	97378m	0.528	ppbv	
36) Benzene	6.890	78	48374	0.176	ppbv	98
51) 2-Hexanone	10.147	43	23476m	0.109	ppbv	
52) Tetrachloroethene	11.214	164	3636m	0.034	ppbv	
53) Toluene	9.799	91	585022	1.845	ppbv	100
58) Ethyl Benzene	12.706	91	175160	0.410	ppbv	96
59) m/p-Xylene	12.960	91	510972m	1.358	ppbv	
60) o-Xylene	13.693	91	262530m	0.743	ppbv	
61) Styrene	13.526	104	150157	0.793	ppbv	99
62) Isopropylbenzene	14.664	105	7362021	14.014	ppbv	98

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

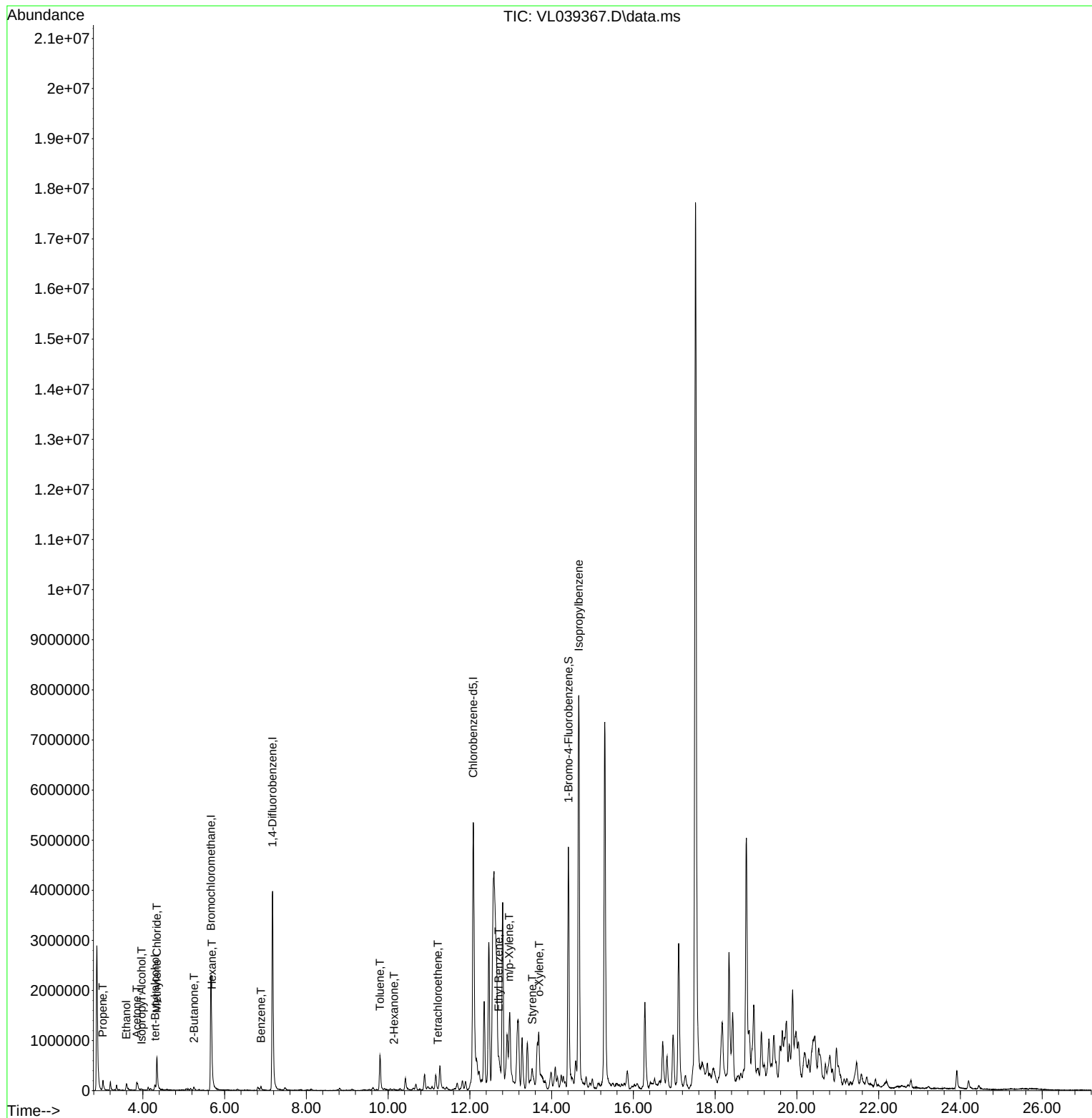
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
Data File : VL039367.D
Acq On : 27 Jun 2022 20:24
Operator : SY/AP
Sample : N3453-04 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

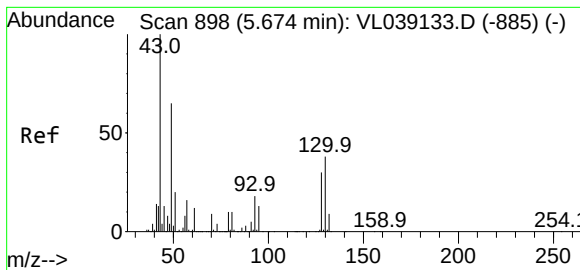
Instrument :
MSVOA_L
ClientSampleId :
SG-4

Quant Time: Jun 28 02:40:23 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

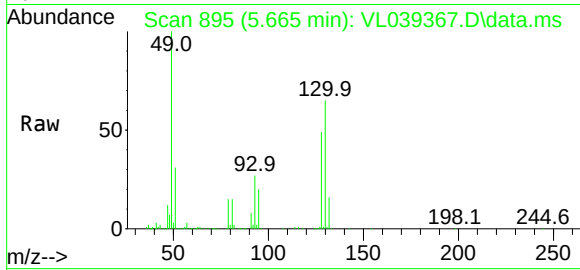
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.665 min Scan# 89
Delta R.T. -0.010 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24

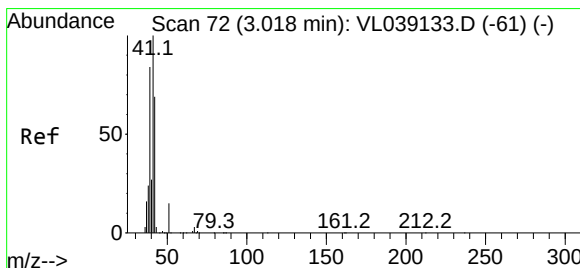
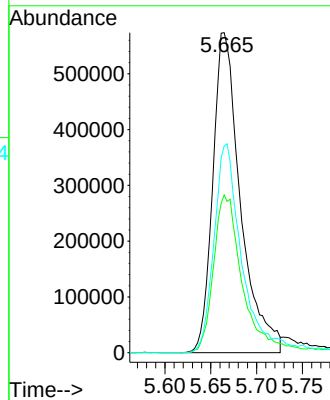
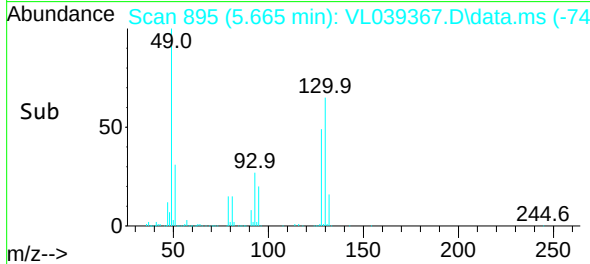
Instrument :
MSVOA_L
ClientSampleId :
SG-4



Tgt Ion: 49 Resp: 1203914
Ion Ratio Lower Upper
49 100
128 53.1 24.7 74.1
130 68.6 31.4 94.0

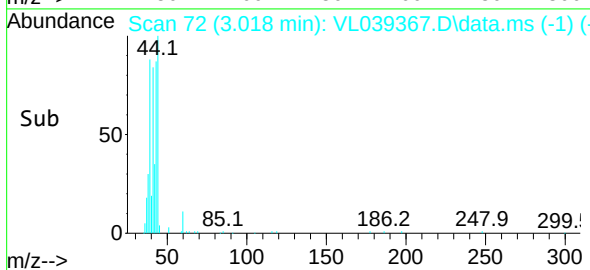
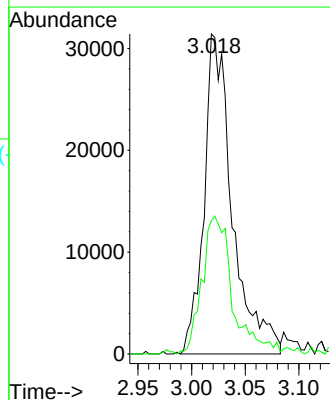
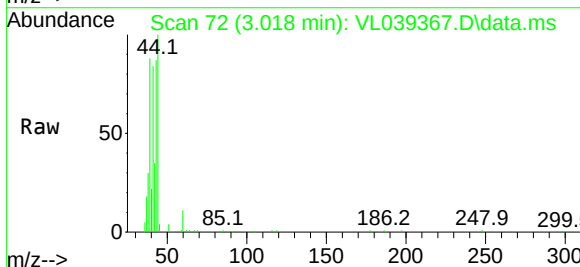
Manual Integrations
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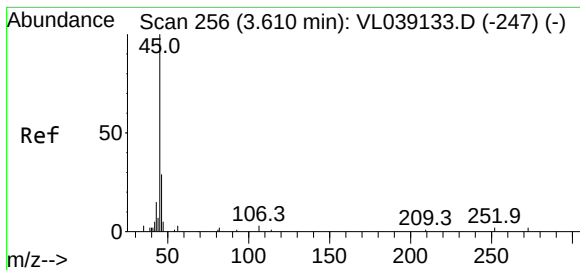
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#9
Propene
Concen: 0.864 ppbv m
RT: 3.018 min Scan# 72
Delta R.T. 0.000 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24

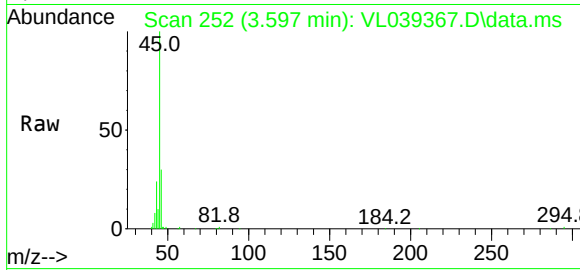
Tgt Ion: 41 Resp: 57681
Ion Ratio Lower Upper
41 100
42 2.7 55.4 83.2#





#13
Ethanol
Concen: 51.065 ppbv m
RT: 3.597 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24

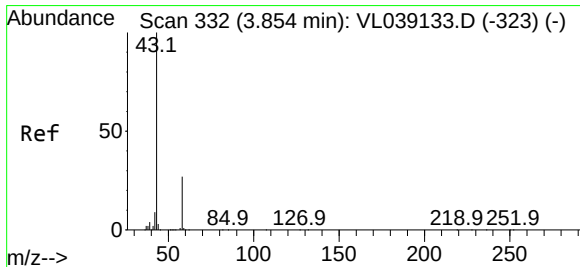
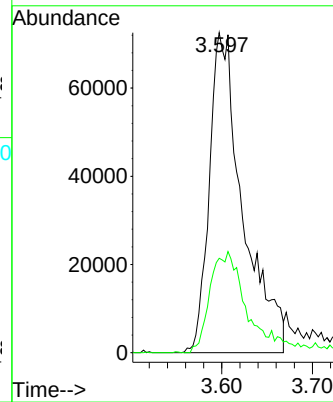
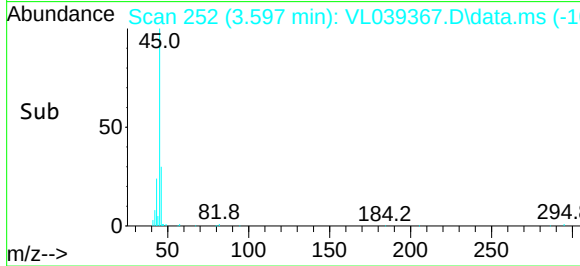
Instrument :
MSVOA_L
ClientSampleId :
SG-4



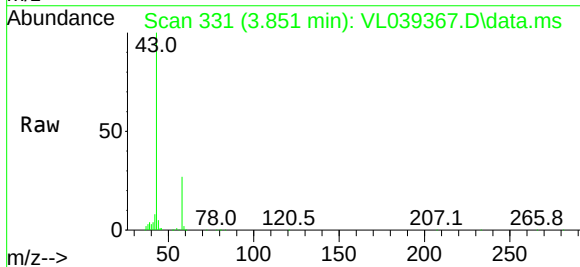
Tgt Ion: 45 Resp: 186012
Ion Ratio Lower Upper
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46 37.0 0.0 0.0

Manual Integrations
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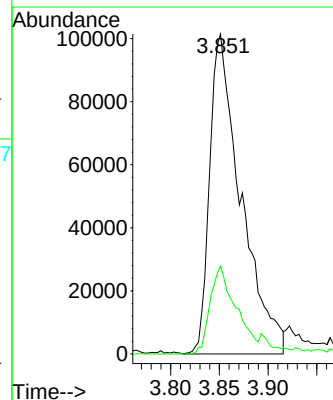
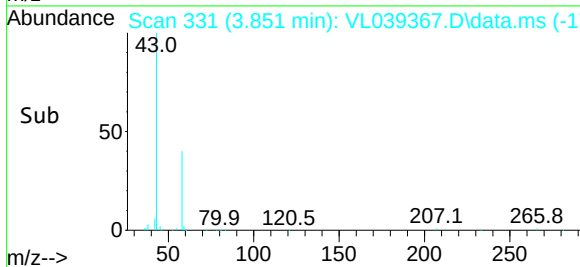
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

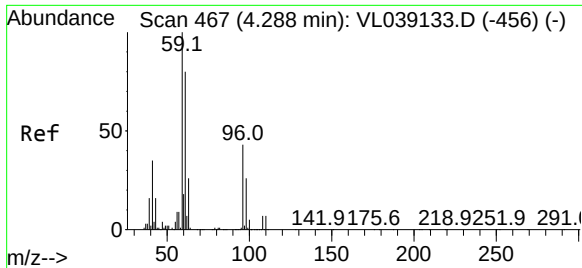


#15
Acetone
Concen: 1.803 ppbv
RT: 3.851 min Scan# 331
Delta R.T. -0.003 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24



Tgt Ion: 43 Resp: 226074
Ion Ratio Lower Upper
43 100
58 27.5 22.5 33.7





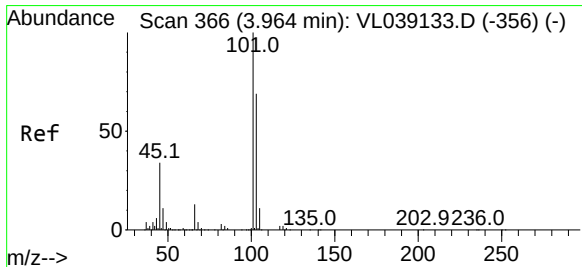
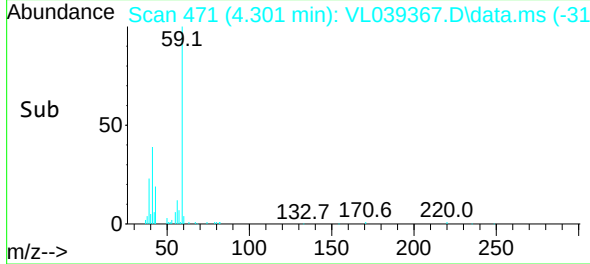
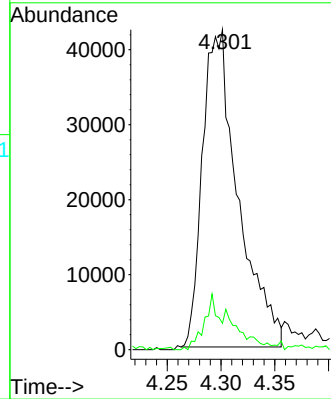
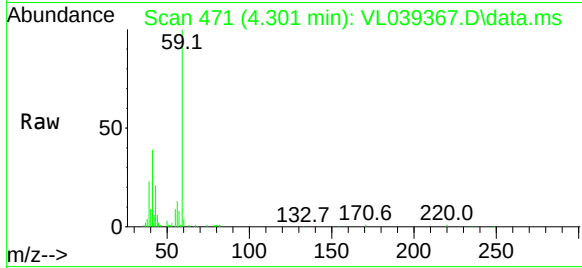
#17
tert-Butyl alcohol
Concen: 1.000 ppbv
RT: 4.301 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 59 Resp: 97230
Ion Ratio Lower Upper
59 100
57 13.5 9.1 13.7

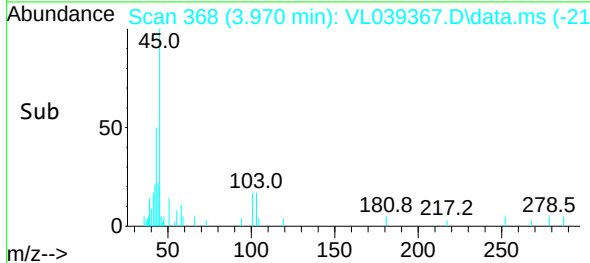
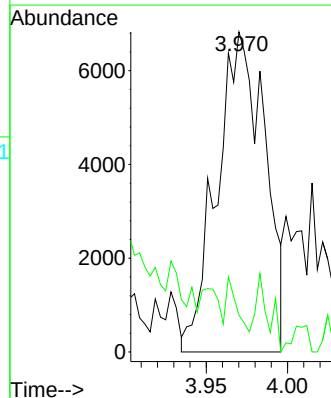
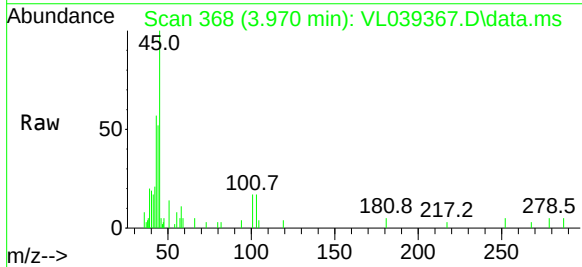
Manual Integrations
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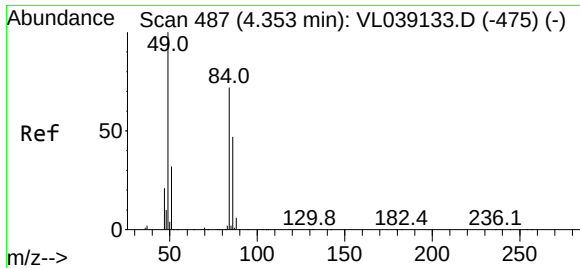
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#19
Isopropyl Alcohol
Concen: 0.238 ppbv m
RT: 3.970 min Scan# 368
Delta R.T. 0.006 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24

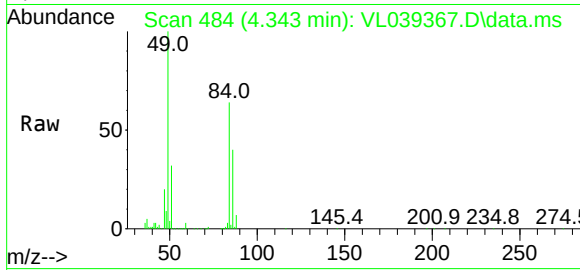
Tgt Ion: 45 Resp: 14006
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8#





#20
Methylene Chloride
Concen: 4.917 ppbv
RT: 4.343 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24

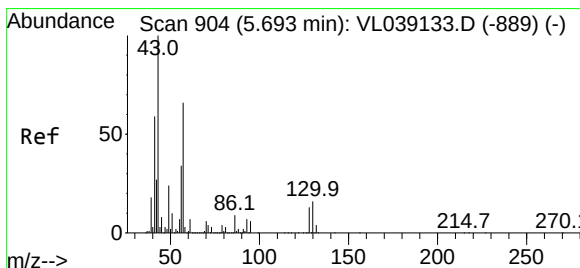
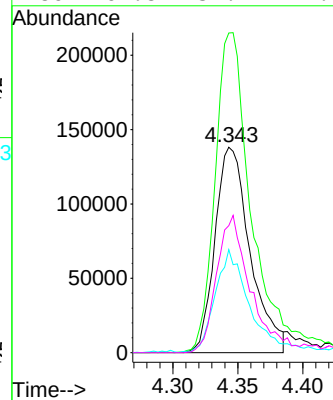
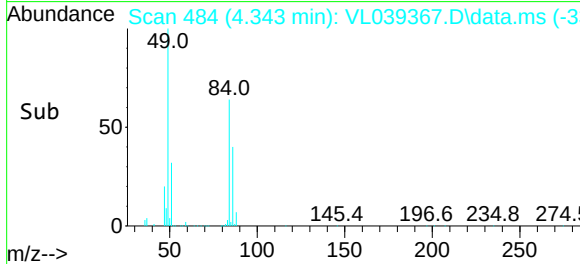
Instrument :
MSVOA_L
ClientSampleId :
SG-4



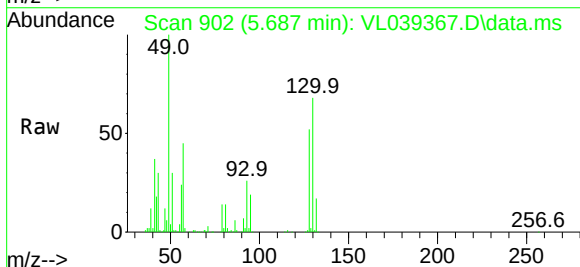
Tgt Ion: 84 Resp: 259880
Ion Ratio Lower Upper
84 100
49 154.6 111.1 166.7
51 49.6 35.3 52.9
86 61.8 51.9 77.9

Manual Integrations
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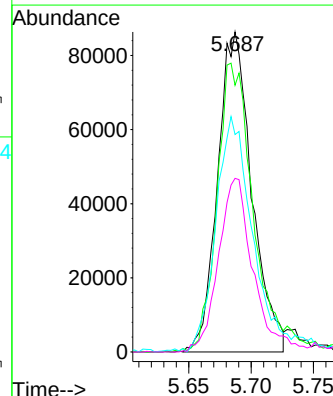
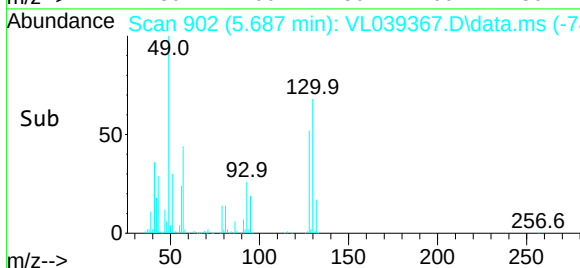
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

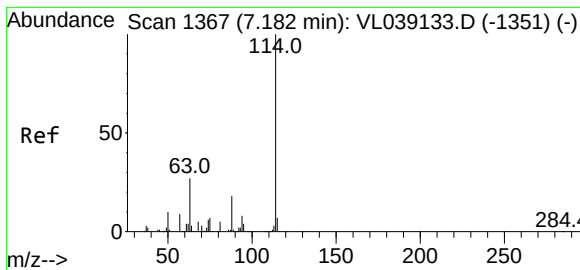


#26
Hexane
Concen: 1.326 ppbv
RT: 5.687 min Scan# 902
Delta R.T. -0.006 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24



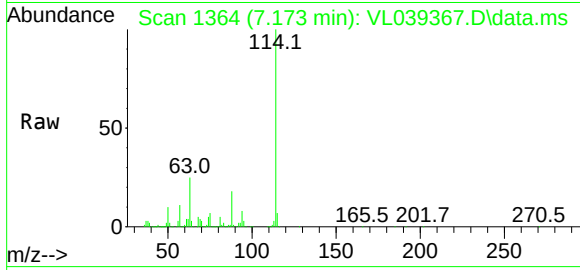
Tgt Ion: 57 Resp: 164744
Ion Ratio Lower Upper
57 100
41 99.3 72.4 108.6
43 83.5 187.0 280.6#
56 56.9 41.8 62.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.173 min Scan# 114
Delta R.T. -0.010 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24

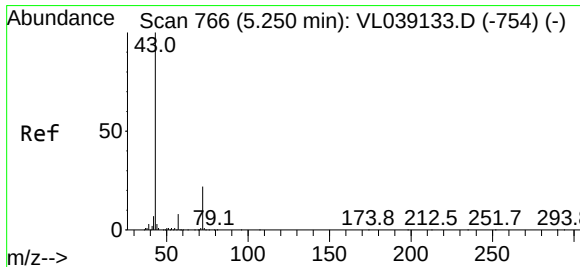
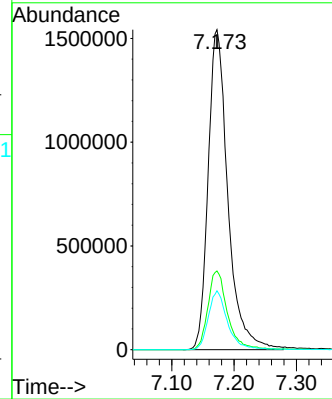
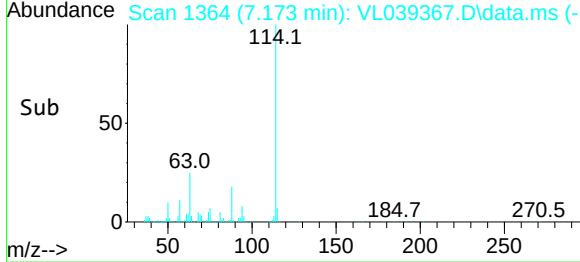
Instrument :
MSVOA_L
ClientSampleId :
SG-4



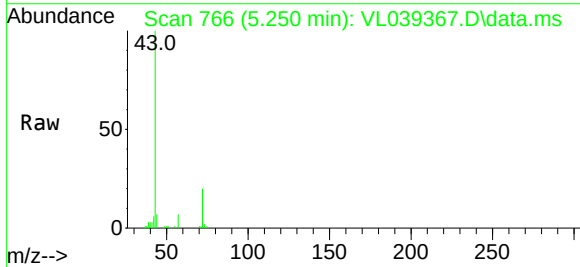
Tgt Ion:114 Resp: 3391778
Ion Ratio Lower Upper
114 100
63 24.5 21.7 32.5
88 18.1 14.8 22.2

Manual Integrations
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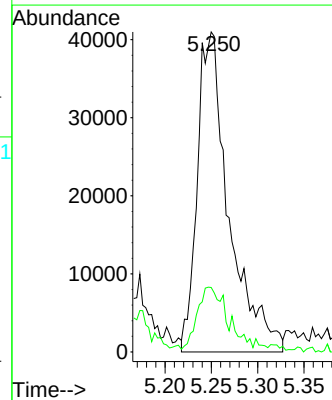
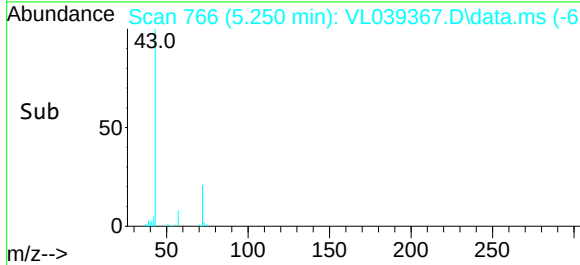
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

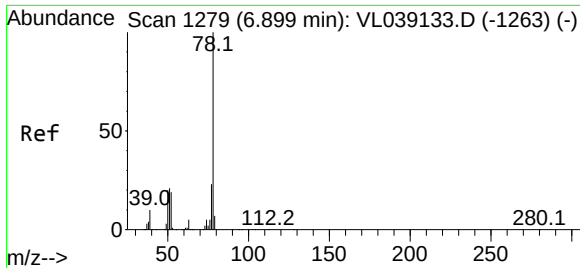


#34
2-Butanone
Concen: 0.528 ppbv m
RT: 5.250 min Scan# 766
Delta R.T. 0.000 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24



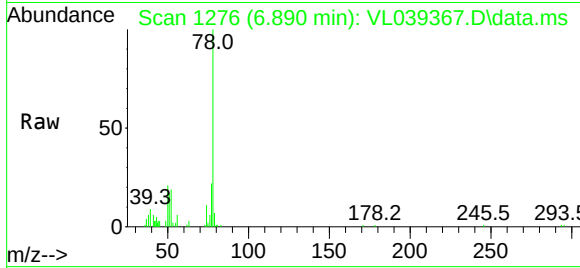
Tgt Ion: 43 Resp: 97378
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#





#36
Benzene
Concen: 0.176 ppbv
RT: 6.890 min Scan# 1279
Delta R.T. -0.010 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24

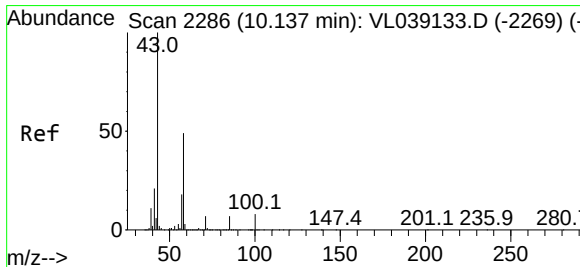
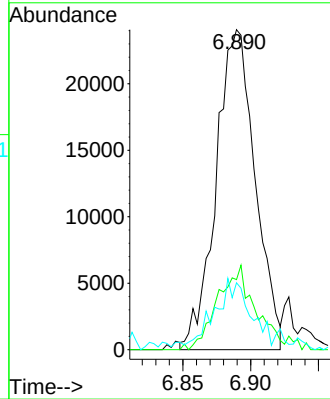
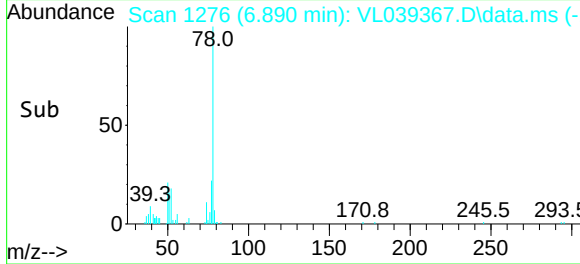
Instrument :
MSVOA_L
ClientSampleId :
SG-4



Tgt Ion: 78 Resp: 48374
Ion Ratio Lower Upper
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77 22.4 18.6 27.8
50 19.0 15.8 23.8

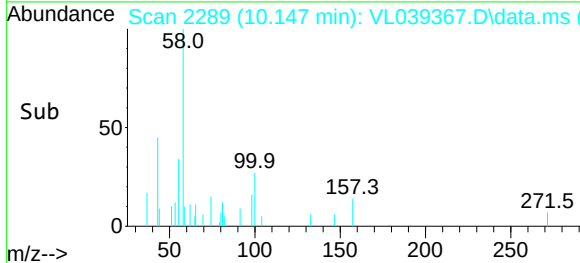
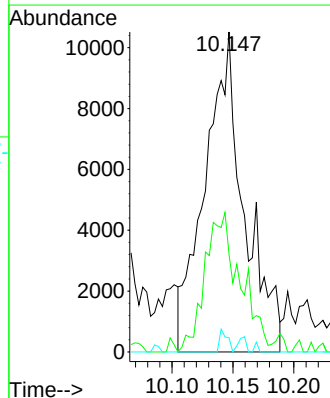
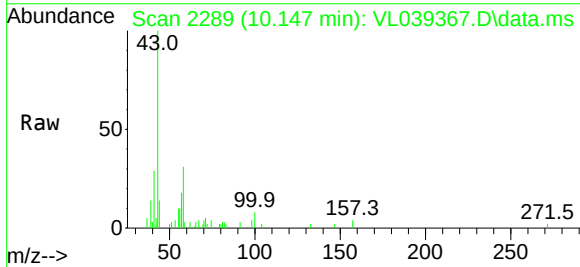
Manual Integrations
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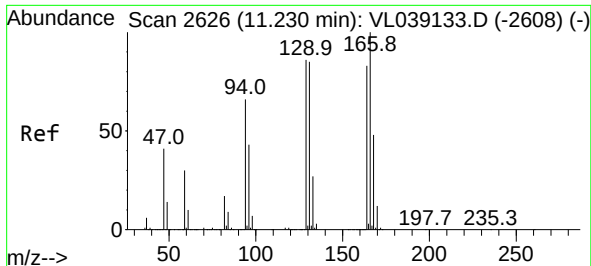
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#51
2-Hexanone
Concen: 0.109 ppbv m
RT: 10.147 min Scan# 2289
Delta R.T. 0.010 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24

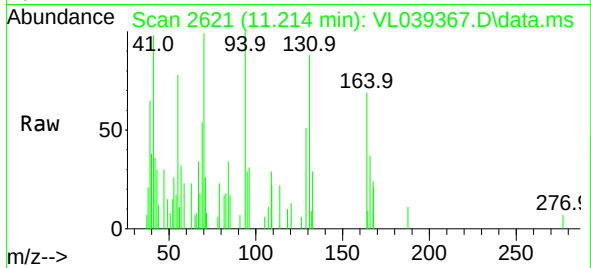
Tgt Ion: 43 Resp: 23476
Ion Ratio Lower Upper
43 100
58 0.0 40.0 60.0#
98 2.6 0.1 0.1#





#52
Tetrachloroethene
Concen: 0.034 ppbv m
RT: 11.214 min Scan# 2621
Delta R.T. -0.016 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24

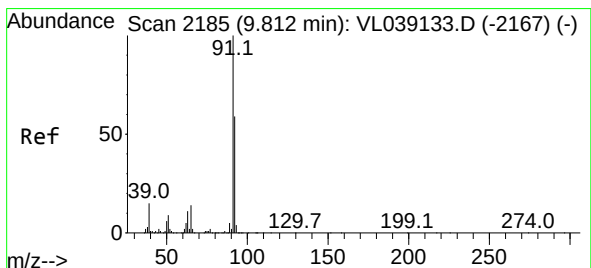
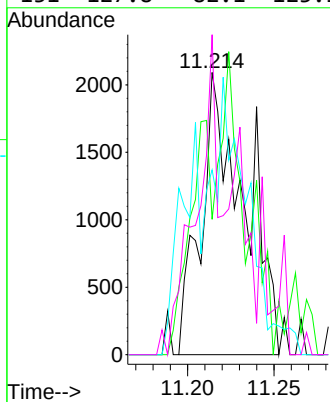
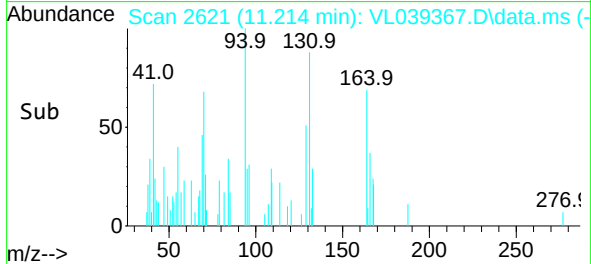
Instrument :
MSVOA_L
ClientSampleId :
SG-4



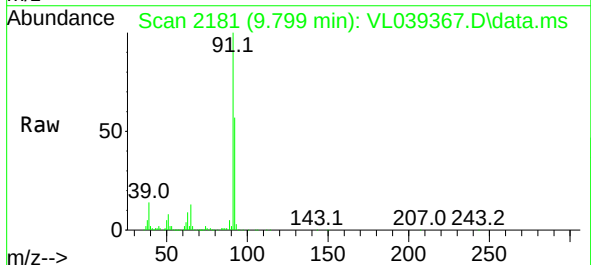
Tgt Ion:164 Resp: 3630
Ion Ratio Lower Upper
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129 73.8 82.5 123.7
131 127.8 82.1 123.1

Manual Integrations
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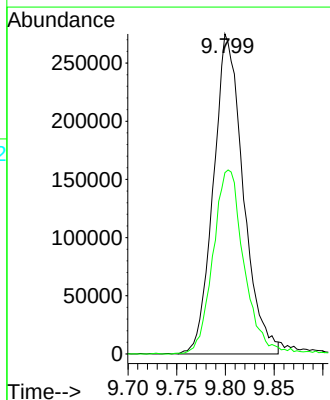
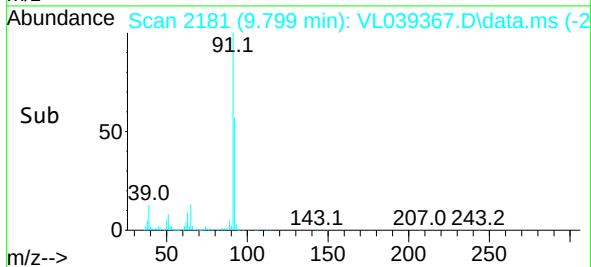
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

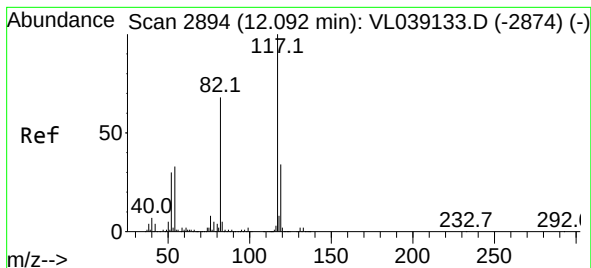


#53
Toluene
Concen: 1.845 ppbv
RT: 9.799 min Scan# 2181
Delta R.T. -0.013 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24



Tgt Ion: 91 Resp: 585022
Ion Ratio Lower Upper
91 100
92 60.2 48.1 72.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.082 min Scan# 2891

Delta R.T. -0.010 min

Lab File: VL039367.D

Acq: 27 Jun 2022 20:24

Instrument :

MSVOA_L

ClientSampleId :

SG-4

Tgt Ion:117 Resp: 310089

Ion Ratio Lower Upper

117 100

82 65.7 55.1 82.7

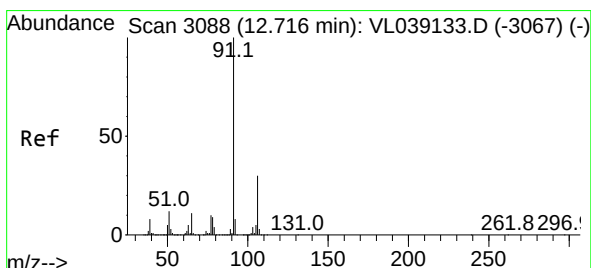
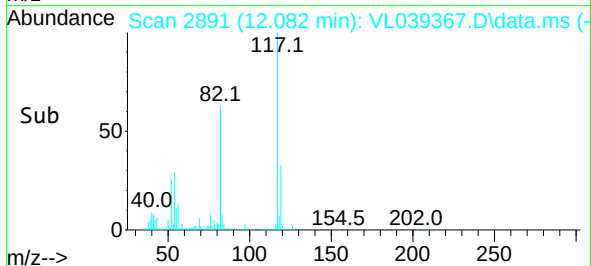
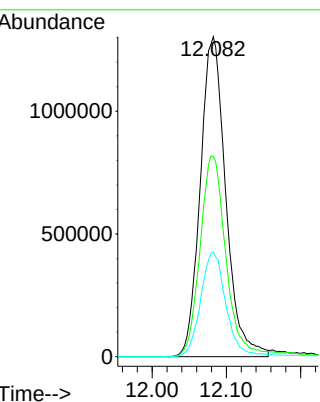
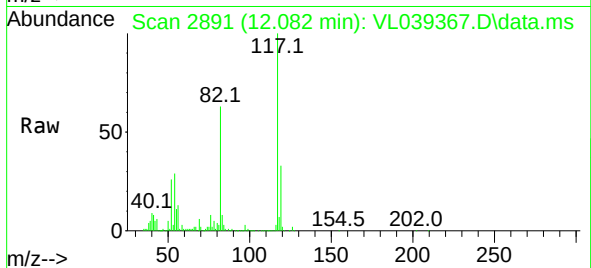
119 33.5 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022

Supervised By :Mahesh Dadoda 06/30/2022



#58

Ethyl Benzene

Concen: 0.410 ppbv

RT: 12.706 min Scan# 3085

Delta R.T. -0.010 min

Lab File: VL039367.D

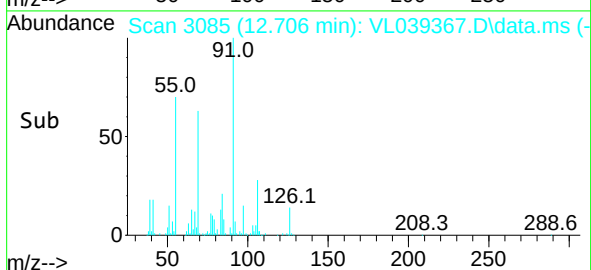
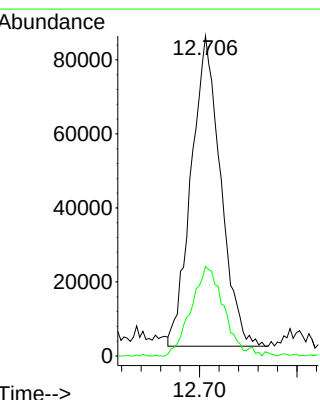
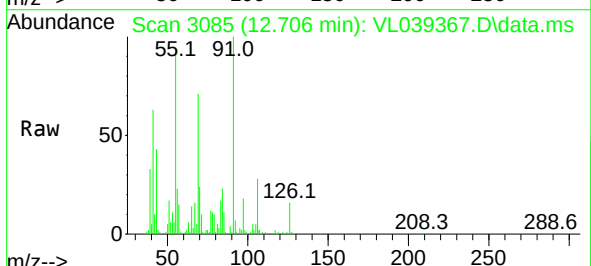
Acq: 27 Jun 2022 20:24

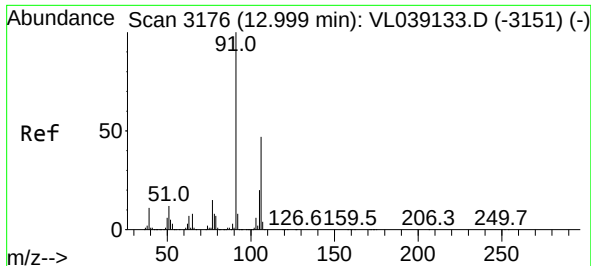
Tgt Ion: 91 Resp: 175160

Ion Ratio Lower Upper

91 100

106 28.2 24.2 36.4





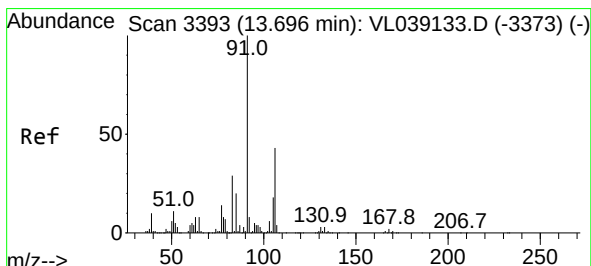
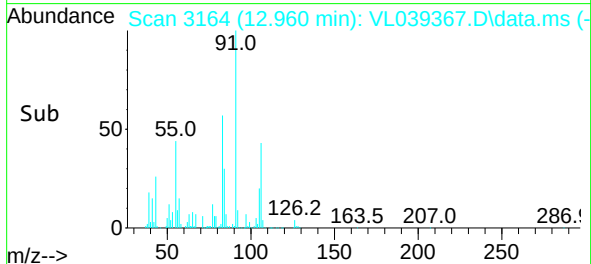
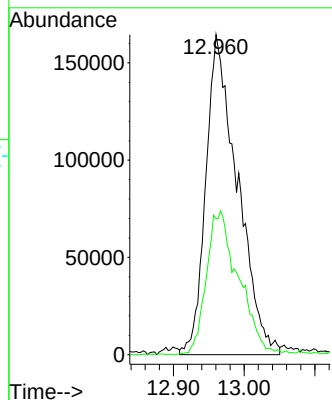
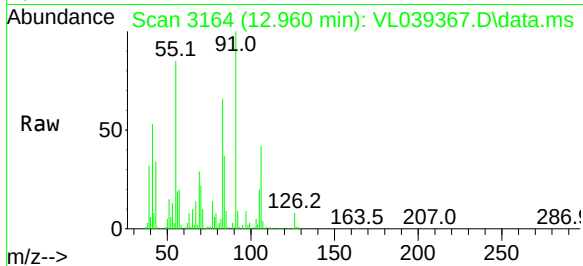
#59
m/p-Xylene
Concen: 1.358 ppbv m
RT: 12.960 min Scan# 3176
Delta R.T. -0.038 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 91 Resp: 510972
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5

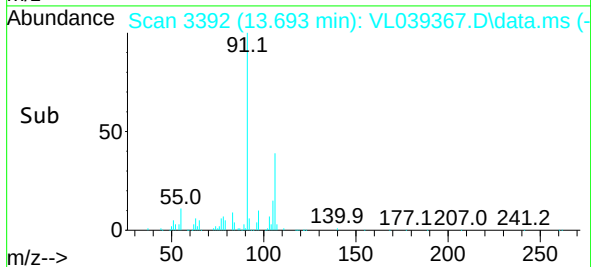
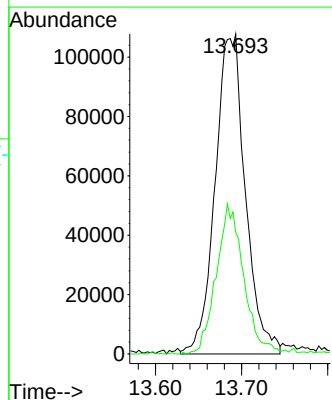
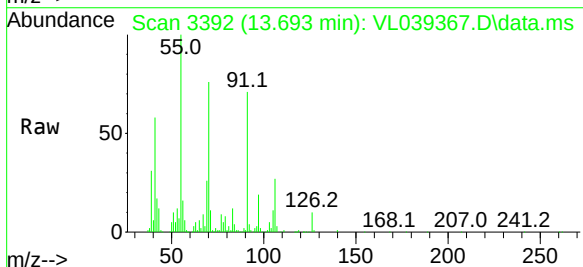
Manual Integrations
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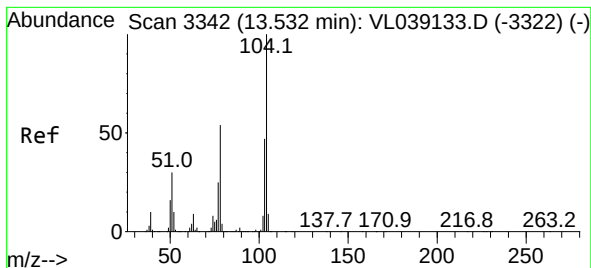
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#60
o-Xylene
Concen: 0.743 ppbv m
RT: 13.693 min Scan# 3392
Delta R.T. -0.003 min
Lab File: VL039367.D
Acq: 27 Jun 2022 20:24

Tgt Ion: 91 Resp: 262530
Ion Ratio Lower Upper
91 100
106 43.1 22.3 66.9





#61

Styrene

Concen: 0.793 ppbv

RT: 13.526 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL039367.D

Acq: 27 Jun 2022 20:24

Instrument :

MSVOA_L

ClientSampleId :

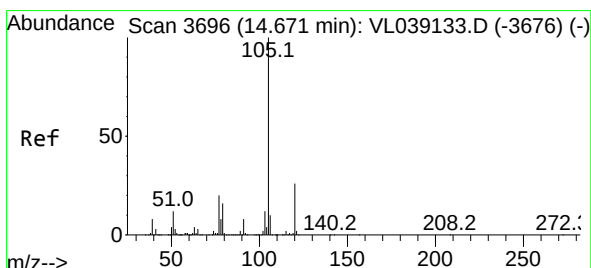
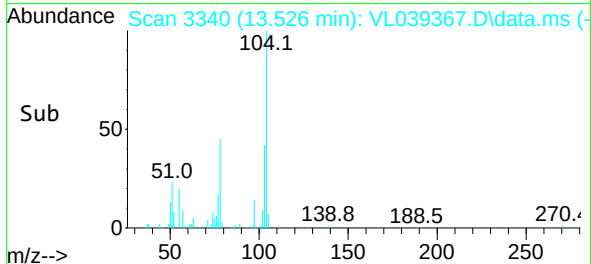
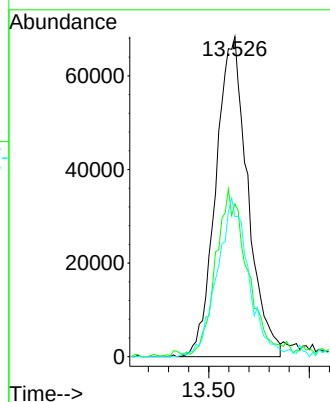
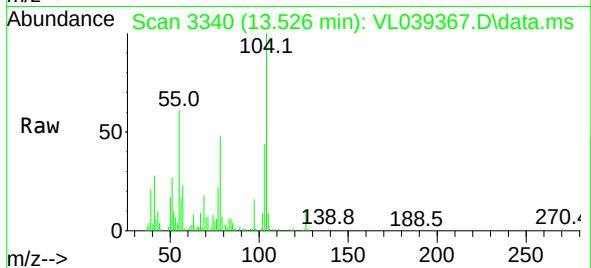
SG-4

Tgt Ion:104 Resp: 15015
 Ion Ratio Lower Upper
 104 100
 78 56.4 45.7 68.5
 103 51.0 39.6 59.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#62

Isopropylbenzene

Concen: 14.014 ppbv

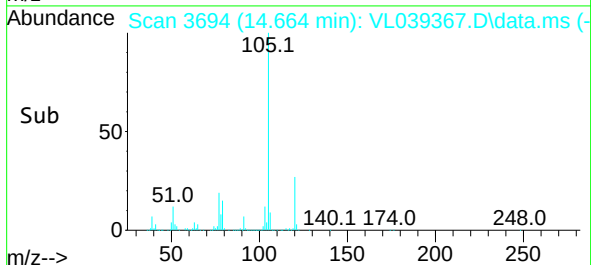
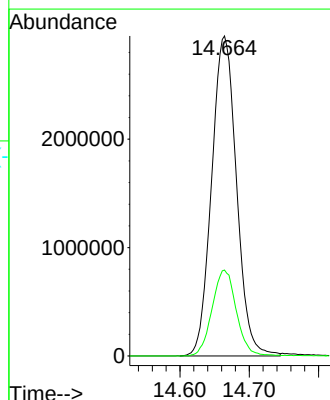
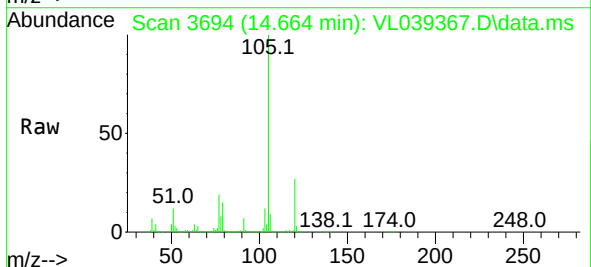
RT: 14.664 min Scan# 3694

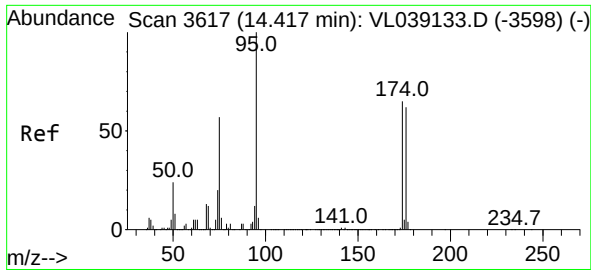
Delta R.T. -0.006 min

Lab File: VL039367.D

Acq: 27 Jun 2022 20:24

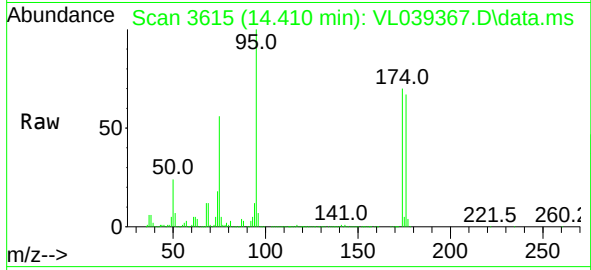
Tgt Ion:105 Resp: 7362021
 Ion Ratio Lower Upper
 105 100
 120 26.3 20.3 30.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.511 ppbv
 RT: 14.410 min Scan# 30
 Delta R.T. -0.006 min
 Lab File: VL039367.D
 Acq: 27 Jun 2022 20:24

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4



Tgt Ion: 95 Resp: 2438190

Ion	Ratio	Lower	Upper
95	100		
174	70.5	53.8	80.8
175	5.3	4.1	6.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022

