

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072522\
 Data File : VL039523.D
 Acq On : 25 Jul 2022 19:23
 Operator : SY/AP
 Sample : N3844-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ENV-DE-5-SV

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2022
 Supervised By :Mahesh Dadoda 07/26/2022

Quant Time: Jul 26 08:07:11 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6 08:07:11 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	1036594	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.182	114	2929431	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.095	117	2704014	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.423	95	2526278	12.594	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	125.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.054	85	18154	0.121	ppbv	99
9) Propene	3.015	41	1440503	24.254	ppbv	93
10) Heptane	8.127	43	43803	0.315	ppbv #	81
11) Trichlorofluoromethane	3.954	101	136698	0.820	ppbv	97
13) Ethanol	3.607	45	103576m	30.059	ppbv	
15) Acetone	3.851	43	2532445	20.650	ppbv	92
17) tert-Butyl alcohol	4.291	59	415508	3.992	ppbv	99
20) Methylene Chloride	4.349	84	200123	4.094	ppbv	97
26) Hexane	5.697	57	361461	3.566	ppbv #	37
27) Carbon Disulfide	4.558	76	211784	1.731	ppbv	100
29) Chloroform	5.758	83	2135225	12.114	ppbv	98
32) 1,1,1-Trichloroethane	6.513	97	30426m	0.175	ppbv	
34) 2-Butanone	5.250	43	565253	3.833	ppbv	97
36) Benzene	6.902	78	194654m	0.859	ppbv	
38) Trichloroethene	7.838	130	6214m	0.051	ppbv	
42) Bromodichloromethane	7.799	83	48527m	0.269	ppbv	
44) 2,2,4-Trimethylpentane	7.877	57	127524	0.332	ppbv #	60
52) Tetrachloroethene	11.237	164	175003m	1.917	ppbv	
53) Toluene	9.815	91	283567	1.084	ppbv	98
58) Ethyl Benzene	12.716	91	98302m	0.282	ppbv	
59) m/p-Xylene	12.976	91	220309m	0.716	ppbv	
60) o-Xylene	13.703	91	98625	0.338	ppbv	100
73) 1,3,5-Trimethylbenzene	16.008	105	53276	0.169	ppbv	94
74) 1,2,4-Trimethylbenzene	16.770	105	154860	0.445	ppbv #	67
79) Naphthalene	22.194	128	39861m	0.166	ppbv	
80) Naphthalene,2-methyl-	24.972	142	16589	0.203	ppbv #	76

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

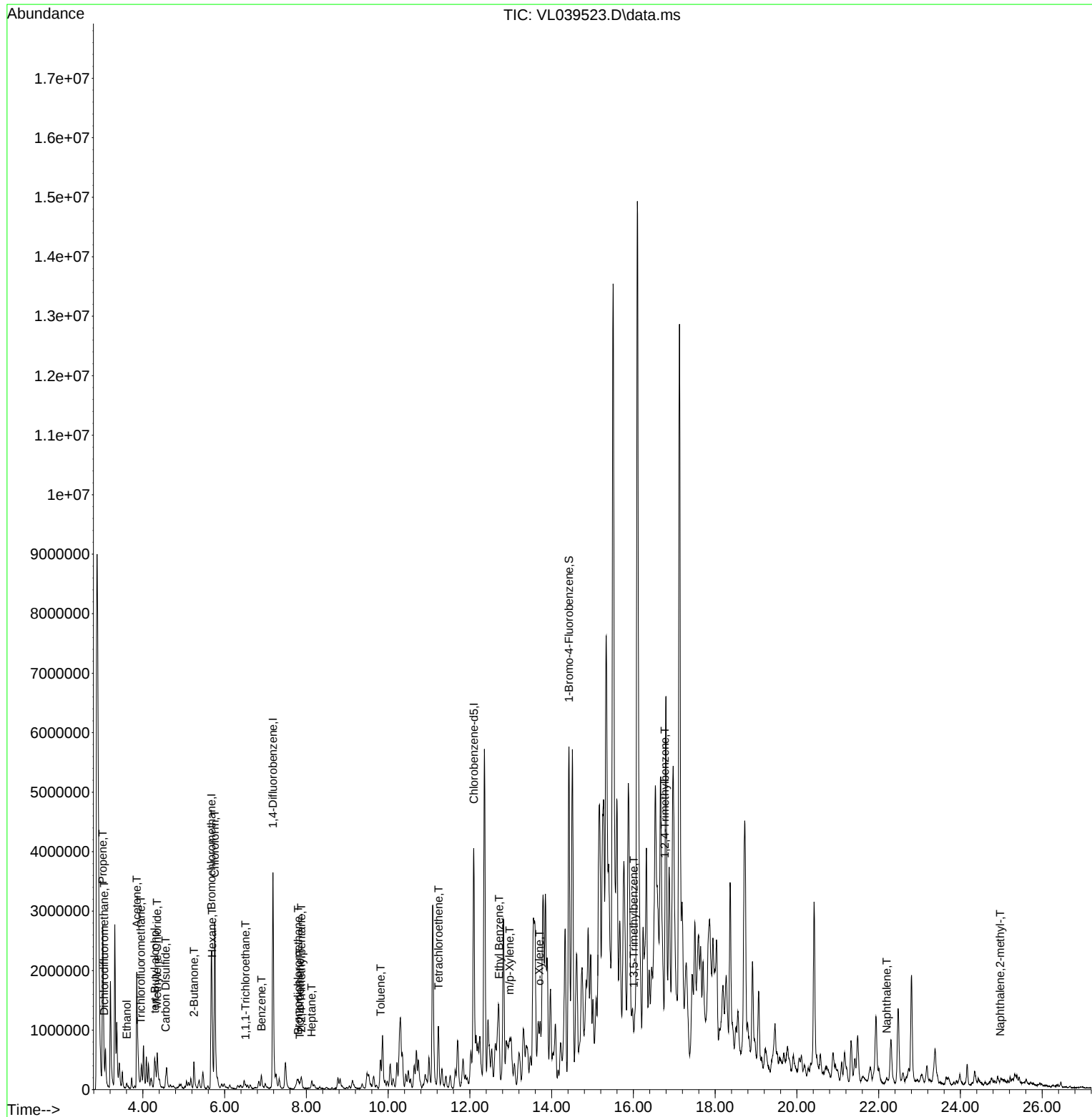
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072522\
Data File : VL039523.D
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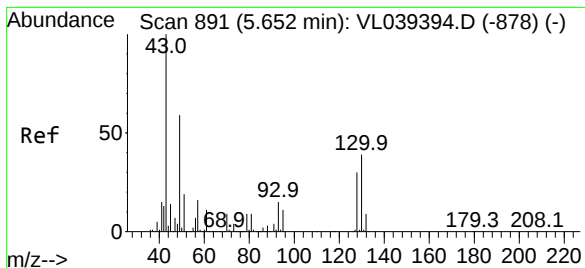
Instrument :
MSVOA_L
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ENV-DE-5-SV

Quant Time: Jul 26 08:07:11 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

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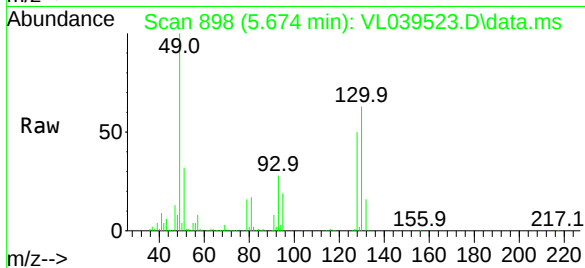
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 891
Delta R.T. 0.022 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

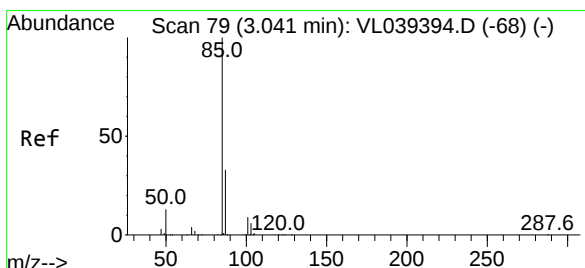
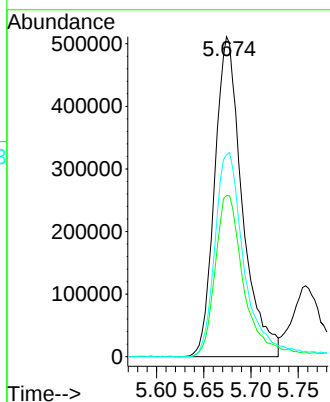
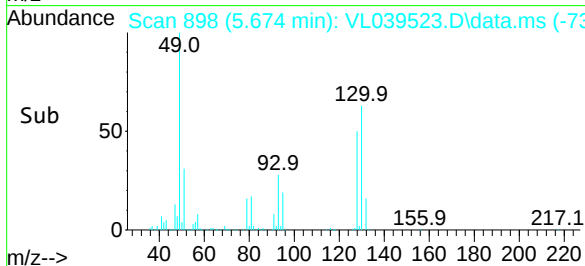
Instrument :
MSVOA_L
ClientSampleId :
ENV-DE-5-SV



Tgt Ion: 49 Resp: 1036594
Ion Ratio Lower Upper
49 100
128 54.9 26.7 80.0
130 69.3 34.3 102.8

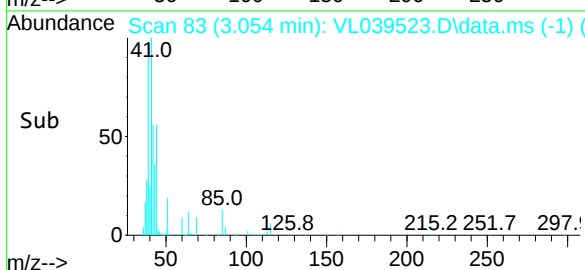
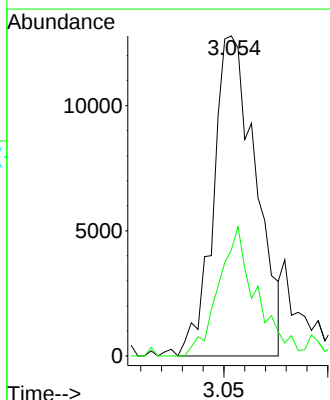
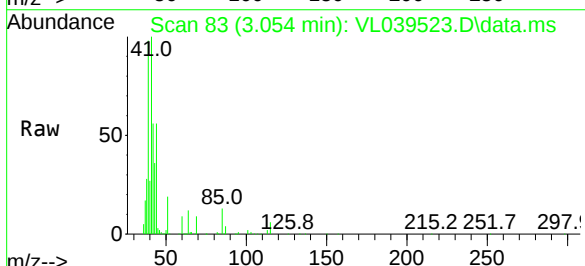
Manual Integrations
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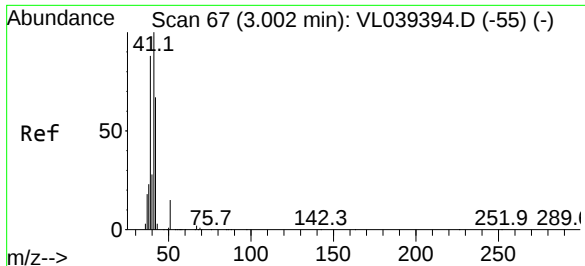
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#2
Dichlorodifluoromethane
Concen: 0.121 ppbv
RT: 3.054 min Scan# 83
Delta R.T. 0.013 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

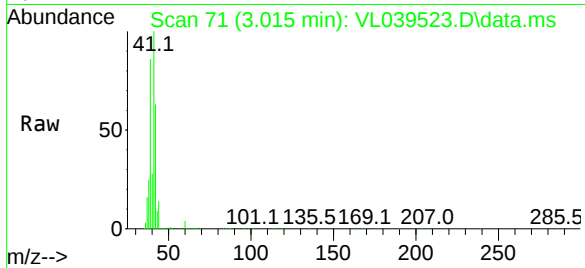
Tgt Ion: 85 Resp: 18154
Ion Ratio Lower Upper
85 100
87 33.1 26.7 40.1





#9
 Propene
 Concen: 24.254 ppbv
 RT: 3.015 min Scan# 71
 Delta R.T. 0.013 min
 Lab File: VL039523.D
 Acq: 25 Jul 2022 19:23

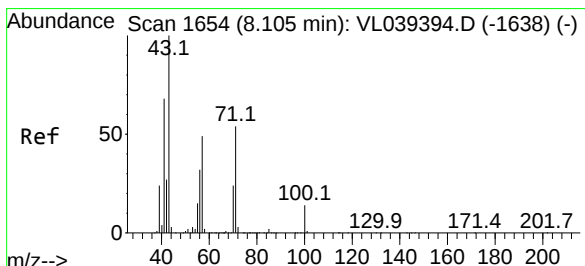
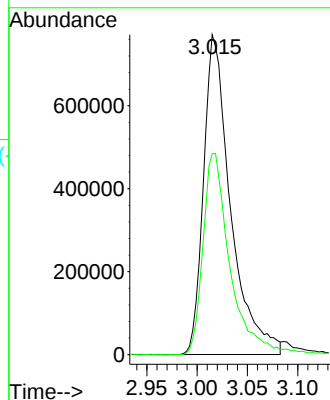
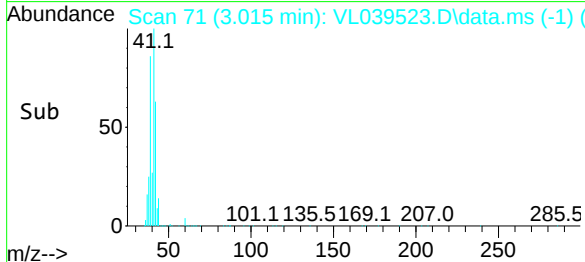
Instrument :
 MSVOA_L
 ClientSampleId :
 ENV-DE-5-SV



Tgt Ion: 41 Resp: 144050
 Ion Ratio Lower Upper
 41 100
 42 63.2 55.2 82.8

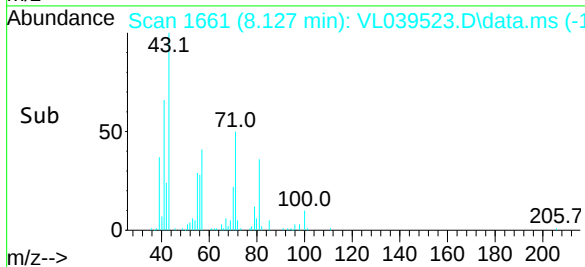
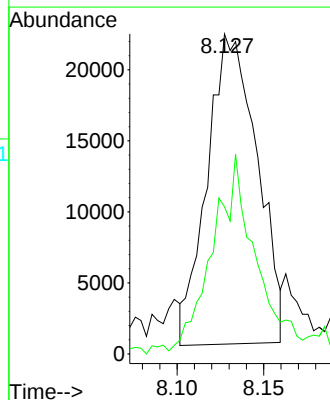
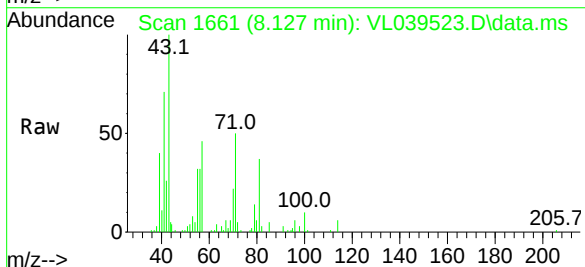
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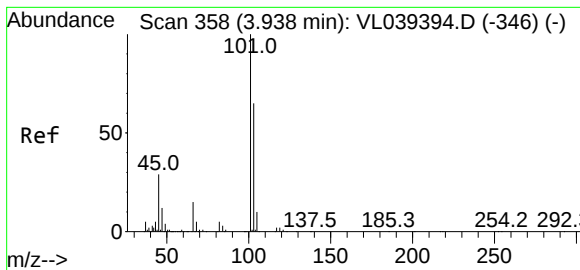
Reviewed By :Semsettin Yesilyurt 07/26/2022
 Supervised By :Mahesh Dadoda 07/26/2022



#10
 Heptane
 Concen: 0.315 ppbv
 RT: 8.127 min Scan# 1661
 Delta R.T. 0.022 min
 Lab File: VL039523.D
 Acq: 25 Jul 2022 19:23

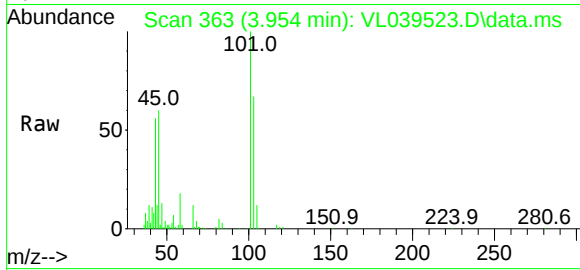
Tgt Ion: 43 Resp: 43803
 Ion Ratio Lower Upper
 43 100
 57 63.6 40.5 60.7#





#11
Trichlorofluoromethane
Concen: 0.820 ppbv
RT: 3.954 min Scan# 301
Delta R.T. 0.016 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

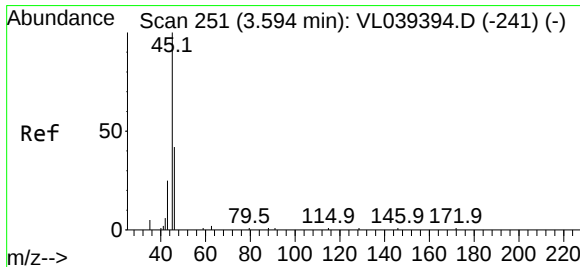
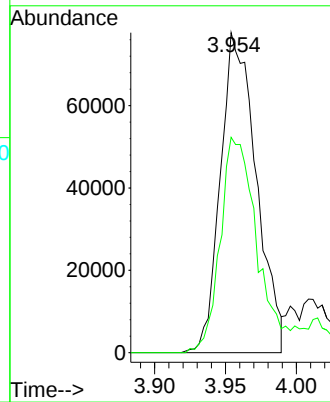
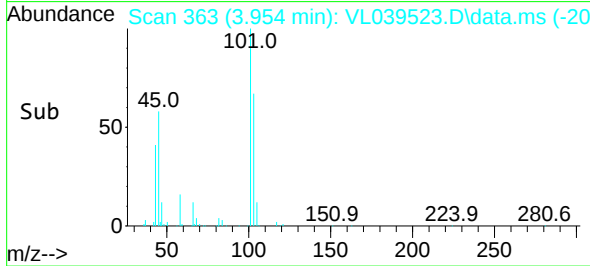
Instrument :
MSVOA_L
ClientSampleId :
ENV-DE-5-SV



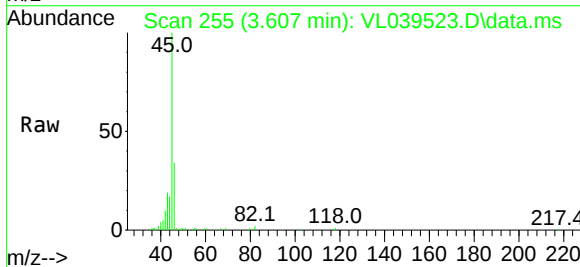
Tgt Ion:101 Resp: 136698
Ion Ratio Lower Upper
101 100
103 67.3 51.8 77.8

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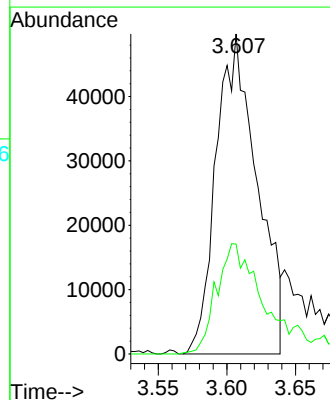
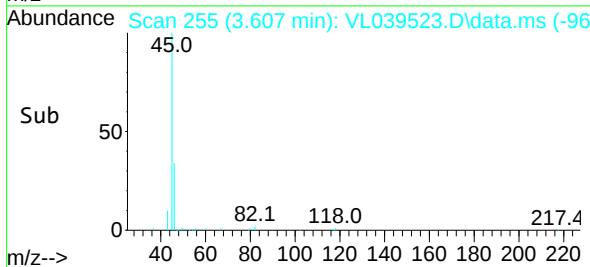
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022

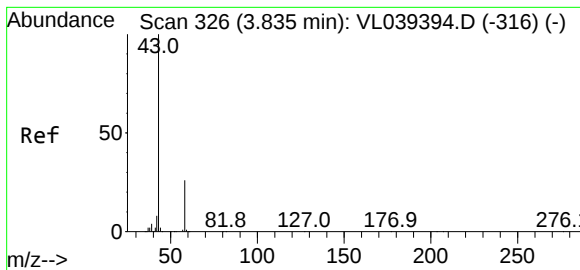


#13
Ethanol
Concen: 30.059 ppbv m
RT: 3.607 min Scan# 255
Delta R.T. 0.013 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23



Tgt Ion: 45 Resp: 103576
Ion Ratio Lower Upper
45 100
46 45.0 22.8 91.2





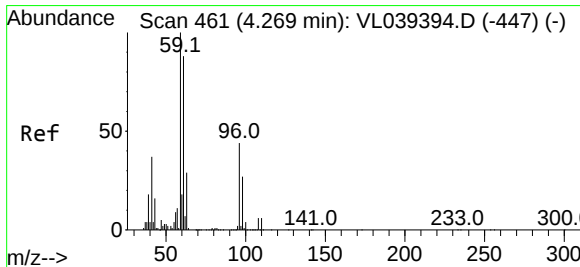
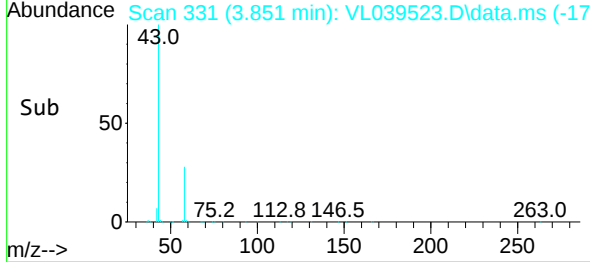
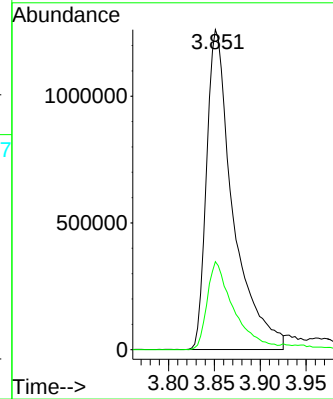
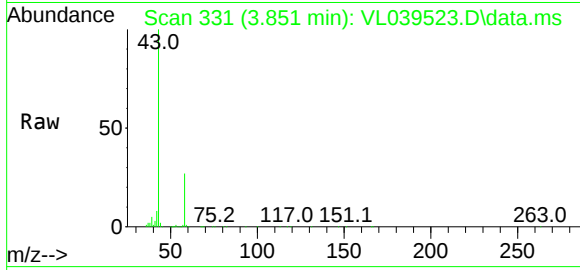
#15
Acetone
Concen: 20.650 ppbv
RT: 3.851 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

Instrument :
MSVOA_L
ClientSampleId :
ENV-DE-5-SV

Tgt Ion: 43 Resp: 253244
Ion Ratio Lower Upper
43 100
58 30.4 21.0 31.6

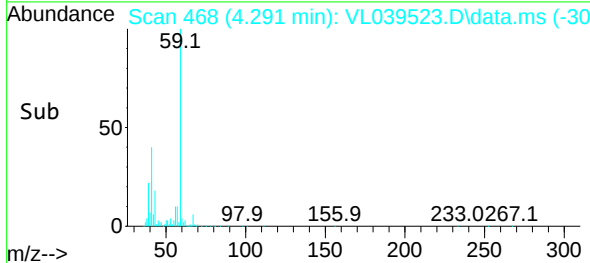
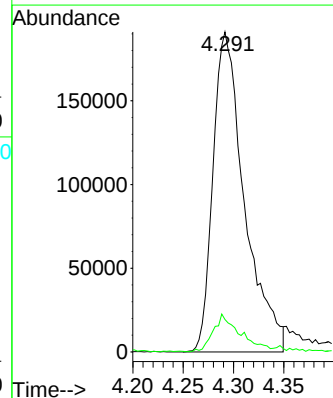
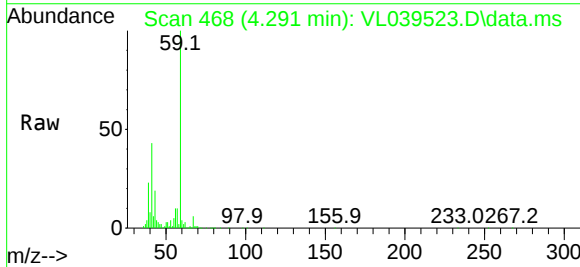
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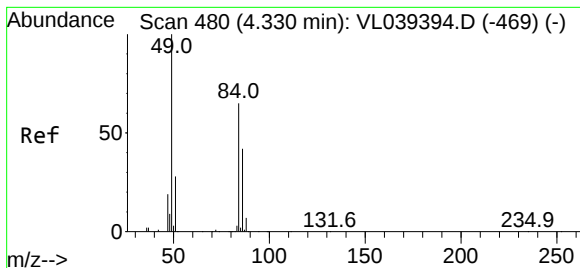
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#17
tert-Butyl alcohol
Concen: 3.992 ppbv
RT: 4.291 min Scan# 468
Delta R.T. 0.022 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

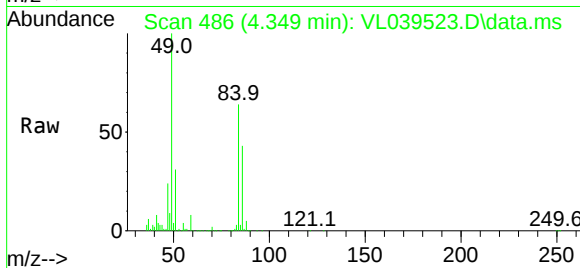
Tgt Ion: 59 Resp: 415508
Ion Ratio Lower Upper
59 100
57 11.4 8.7 13.1





#20
Methylene Chloride
Concen: 4.094 ppbv
RT: 4.349 min Scan# 41
Delta R.T. 0.019 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

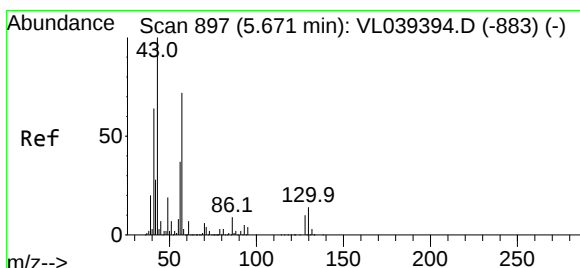
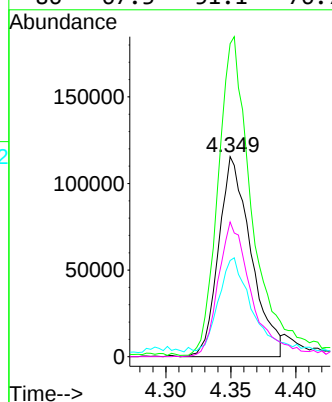
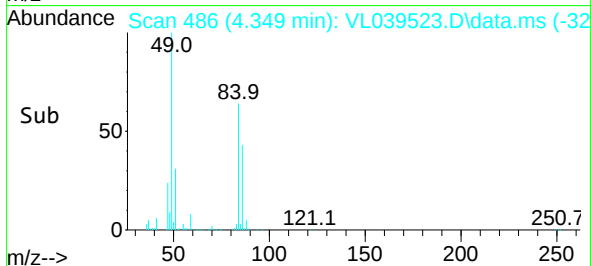
Instrument :
MSVOA_L
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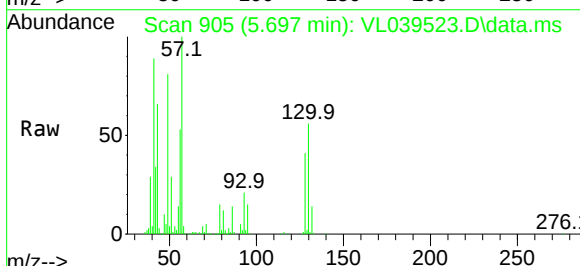
Tgt Ion: 84 Resp: 20012
Ion Ratio Lower Upper
84 100
49 155.9 123.1 184.7
51 45.0 34.4 51.6
86 67.3 51.1 76.7

Manual Integrations
APPROVED

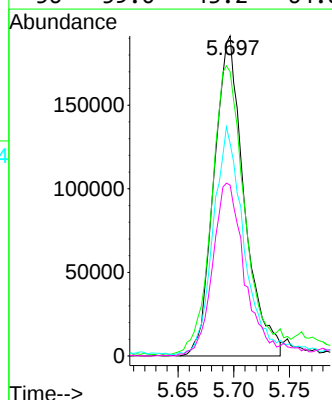
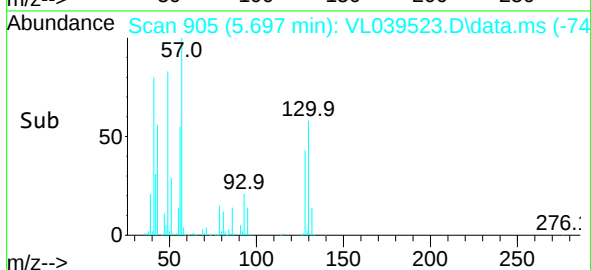
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Supervised By :Mahesh Dadoda 07/26/2022

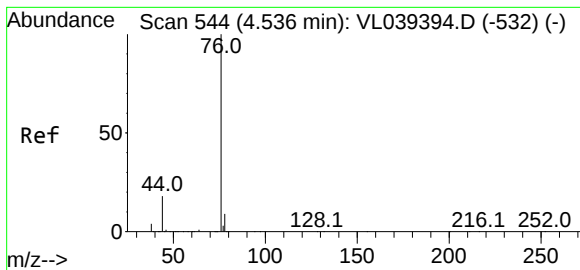


#26
Hexane
Concen: 3.566 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.026 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23



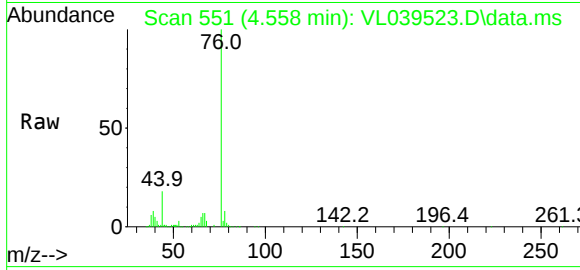
Tgt Ion: 57 Resp: 361461
Ion Ratio Lower Upper
57 100
41 107.1 76.9 115.3
43 74.8 191.0 286.6#
56 59.0 43.2 64.8





#27
Carbon Disulfide
Concen: 1.731 ppbv
RT: 4.558 min Scan# 511
Delta R.T. 0.022 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

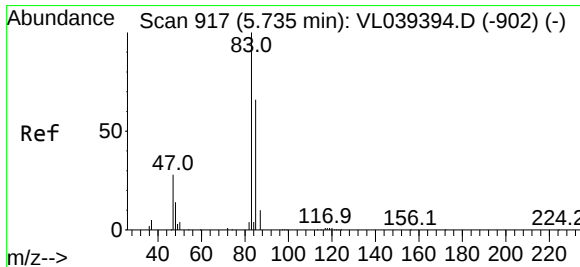
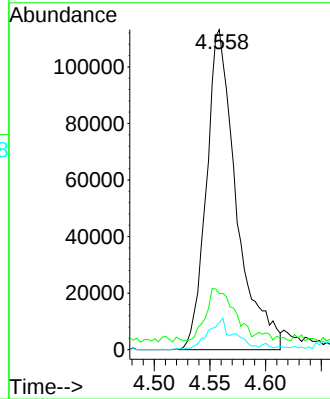
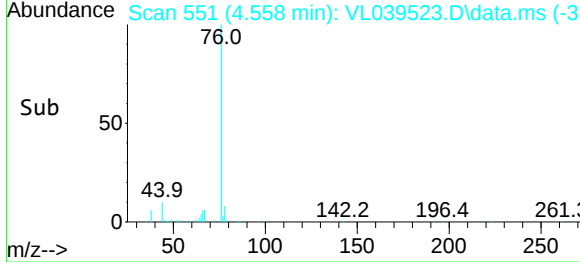
Instrument : MSVOA_L
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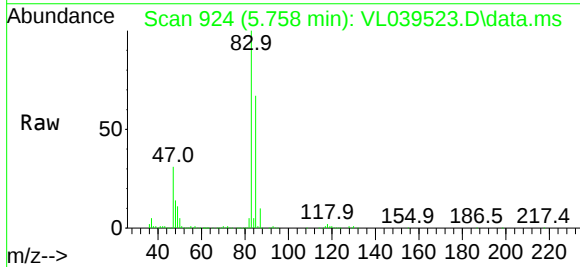
Tgt Ion: 76 Resp: 211784
Ion Ratio Lower Upper
76 100
44 18.3 14.6 21.8
78 9.4 7.8 11.6

Manual Integrations
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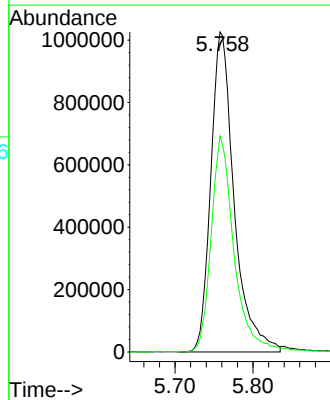
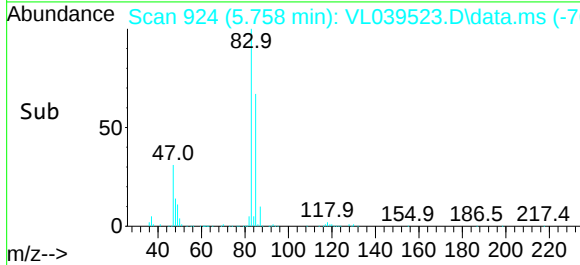
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022

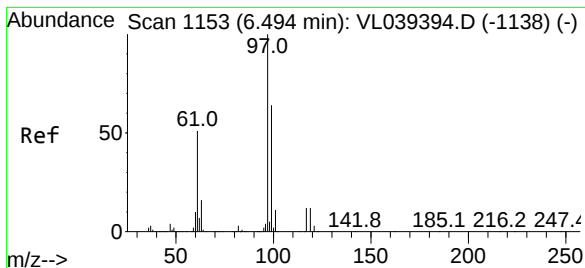


#29
Chloroform
Concen: 12.114 ppbv
RT: 5.758 min Scan# 924
Delta R.T. 0.022 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23



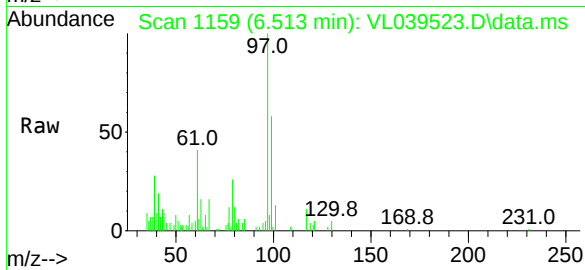
Tgt Ion: 83 Resp: 2135225
Ion Ratio Lower Upper
83 100
85 67.4 52.8 79.2





#32
1,1,1-Trichloroethane
Concen: 0.175 ppbv m
RT: 6.513 min Scan# 1153
Delta R.T. 0.019 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

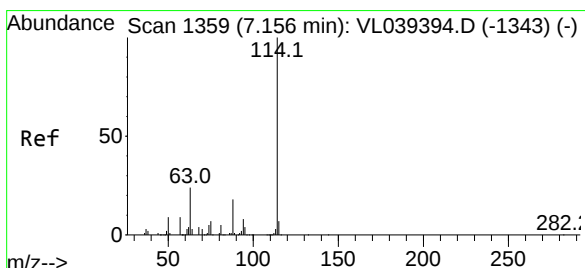
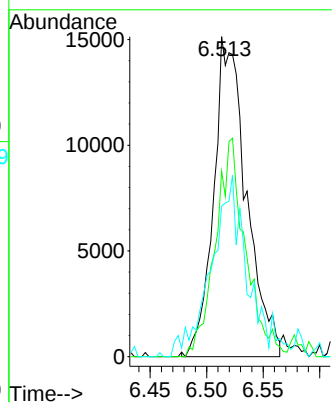
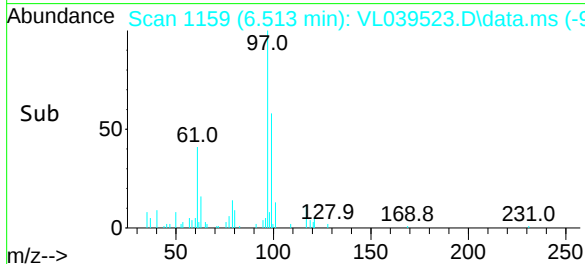
Instrument :
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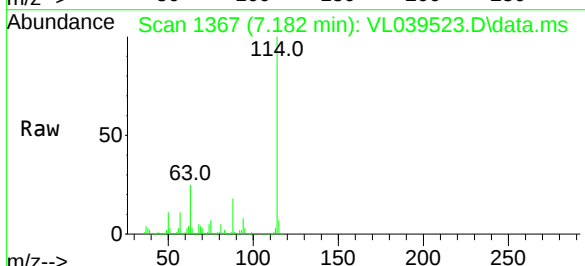
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Ion Ratio Lower Upper
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61 66.3 40.9 61.3

Manual Integrations
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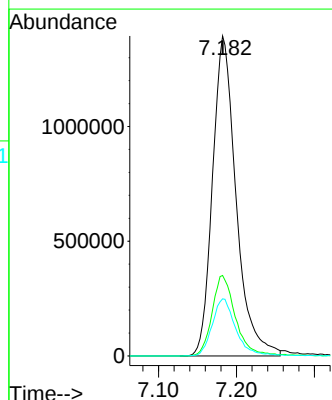
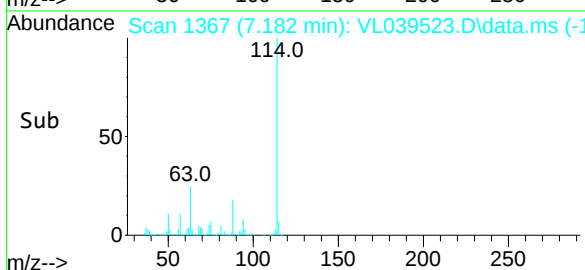
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022

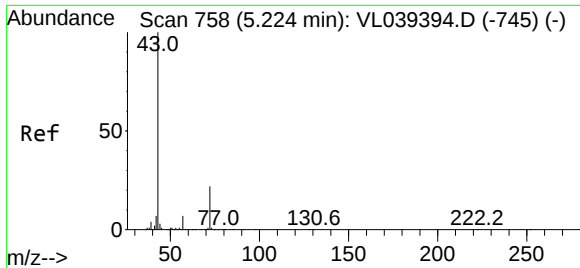


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 1367
Delta R.T. 0.026 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23



Tgt Ion:114 Resp: 2929431
Ion Ratio Lower Upper
114 100
63 25.2 20.2 30.4
88 18.0 14.5 21.7





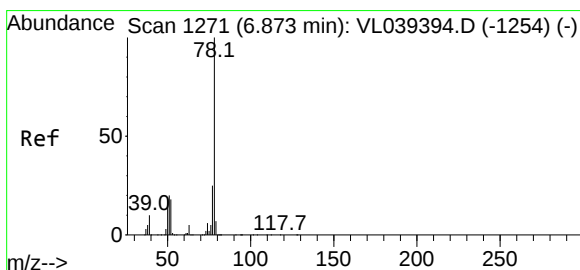
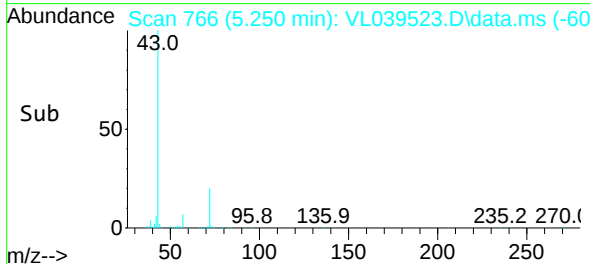
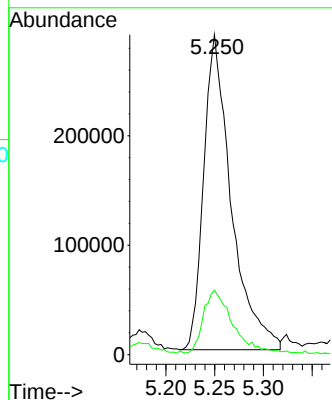
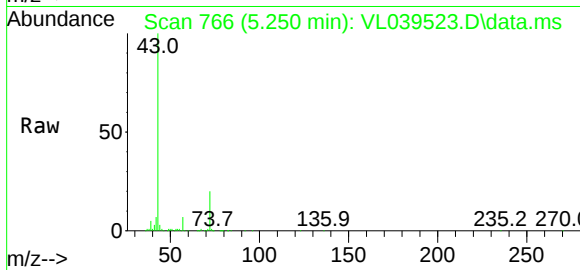
#34
2-Butanone
Concen: 3.833 ppbv
RT: 5.250 min Scan# 71
Delta R.T. 0.026 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

Instrument :
MSVOA_L
ClientSampleId :
ENV-DE-5-SV

Tgt Ion: 43 Resp: 56525
Ion Ratio Lower Upper
43 100
72 23.6 17.9 26.9

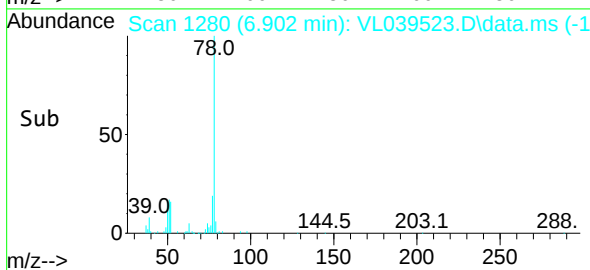
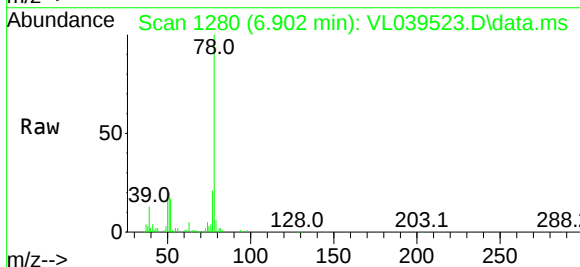
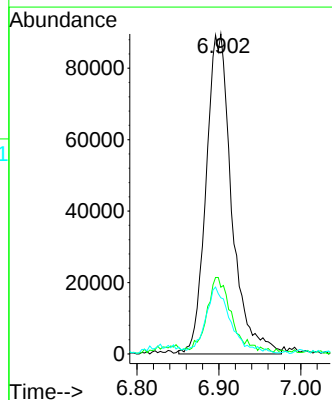
Manual Integrations
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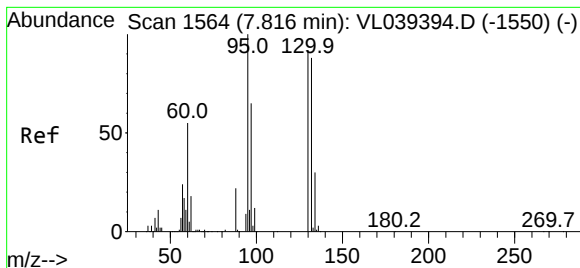
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#36
Benzene
Concen: 0.859 ppbv m
RT: 6.902 min Scan# 1280
Delta R.T. 0.029 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

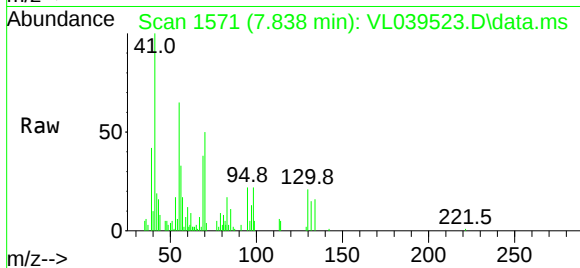
Tgt Ion: 78 Resp: 194654
Ion Ratio Lower Upper
78 100
77 20.8 20.3 30.5
50 17.5 15.5 23.3





#38
 Trichloroethene
 Concen: 0.051 ppbv m
 RT: 7.838 min Scan# 1571
 Delta R.T. 0.022 min
 Lab File: VL039523.D
 Acq: 25 Jul 2022 19:23

Instrument : MSVOA_L
 ClientSampleId : ENV-DE-5-SV

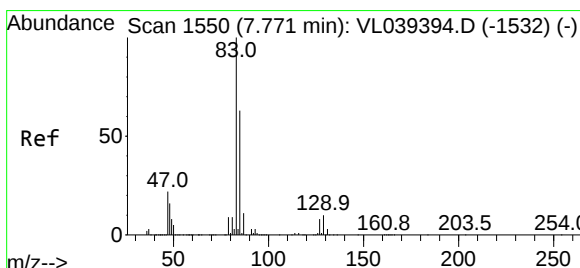
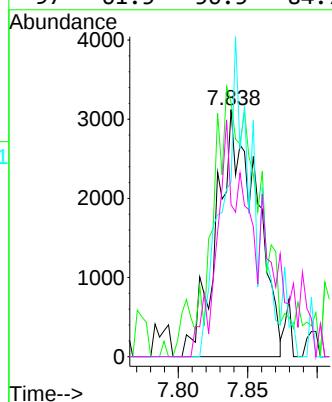
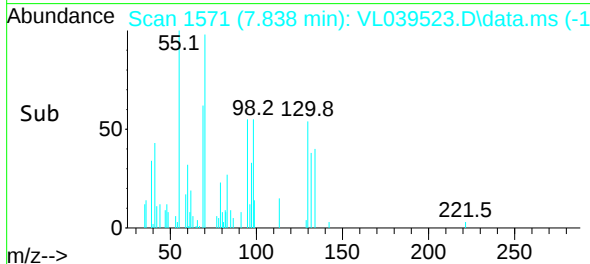


Tgt Ion:130 Resp: 6214

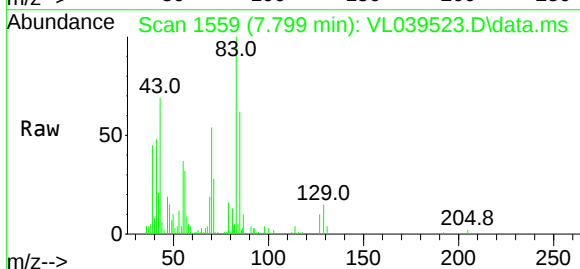
Ion	Ratio	Lower	Upper
130	100		
95	102.8	87.3	130.9
132	70.7	76.7	115.1
97	61.5	56.5	84.7

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Reviewed By :Semsettin Yesilyurt 07/26/2022
 Supervised By :Mahesh Dadoda 07/26/2022

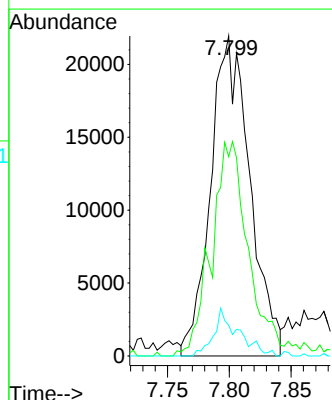
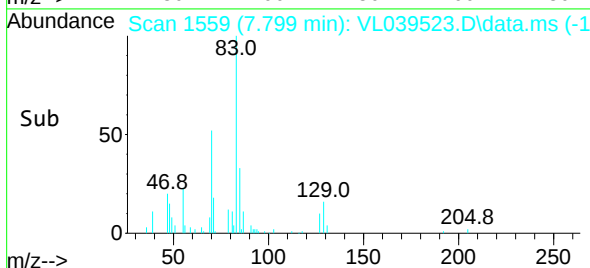


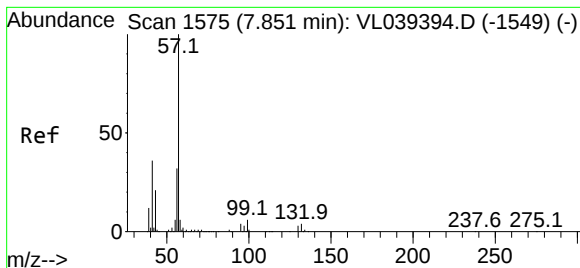
#42
 Bromodichloromethane
 Concen: 0.269 ppbv m
 RT: 7.799 min Scan# 1559
 Delta R.T. 0.029 min
 Lab File: VL039523.D
 Acq: 25 Jul 2022 19:23



Tgt Ion: 83 Resp: 48527

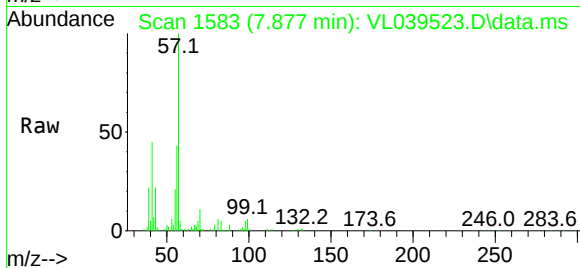
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.7	76.1
127	9.6	6.6	9.8





#44
2,2,4-Trimethylpentane
Concen: 0.332 ppbv
RT: 7.877 min Scan# 1583
Delta R.T. 0.026 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

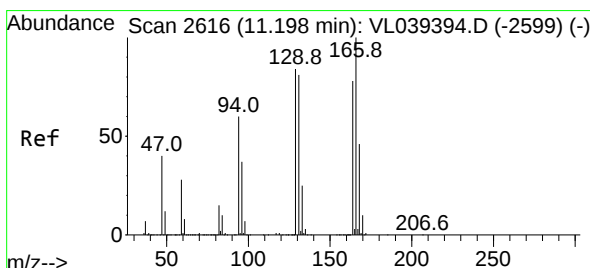
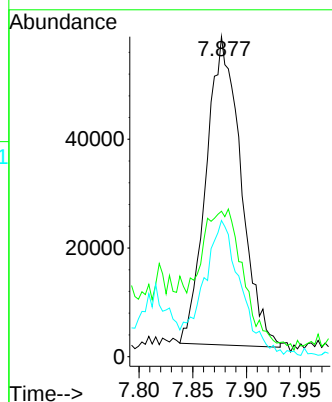
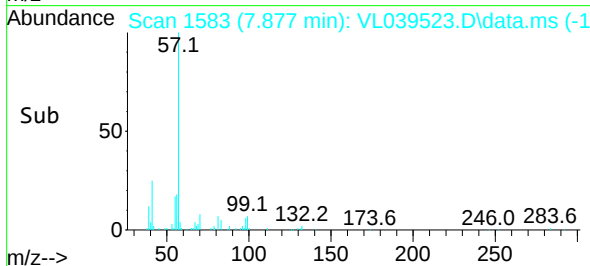
Instrument :
MSVOA_L
ClientSampleId :
ENV-DE-5-SV



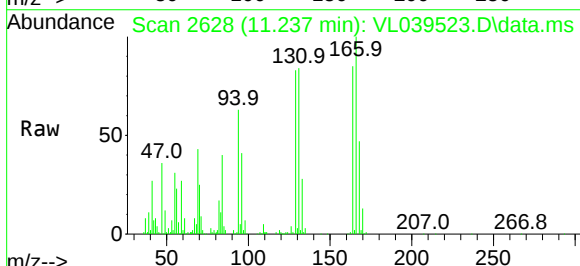
Tgt Ion: 57 Resp: 127524
Ion Ratio Lower Upper
57 100
41 62.2 27.4 41.2
56 46.8 24.5 36.7

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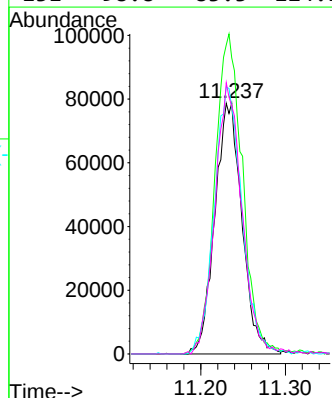
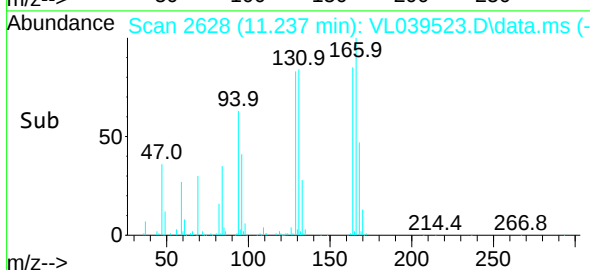
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022

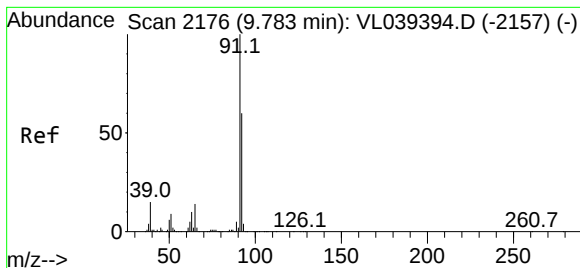


#52
Tetrachloroethene
Concen: 1.917 ppbv m
RT: 11.237 min Scan# 2628
Delta R.T. 0.038 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23



Tgt Ion:164 Resp: 175003
Ion Ratio Lower Upper
164 100
166 118.1 102.2 153.2
129 98.4 85.8 128.8
131 98.8 83.3 124.9





#53

Toluene

Concen: 1.084 ppbv

RT: 9.815 min Scan# 2176

Delta R.T. 0.032 min

Lab File: VL039523.D

Acq: 25 Jul 2022 19:23

Instrument :

MSVOA_L

ClientSampleId :

ENV-DE-5-SV

Tgt Ion: 91 Resp: 28356

Ion Ratio Lower Upper

91 100

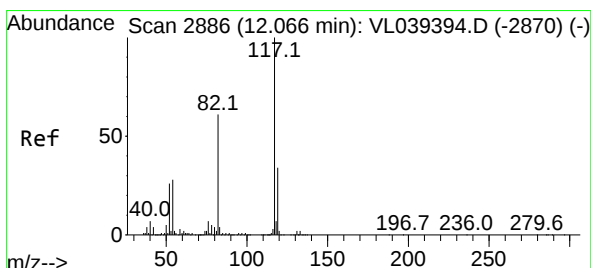
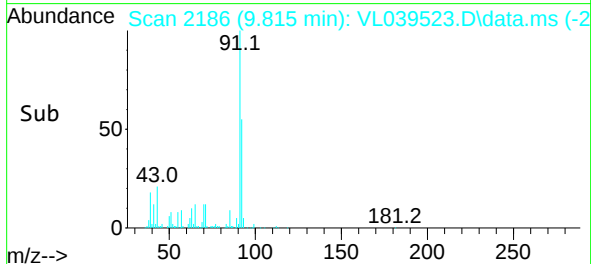
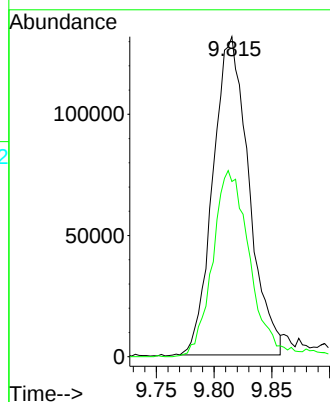
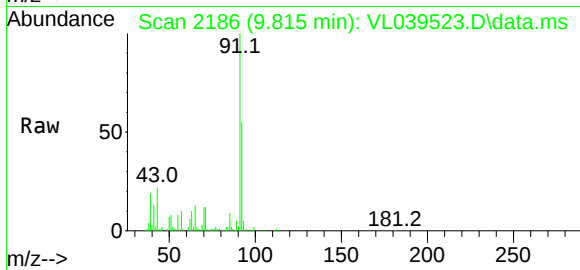
92 61.9 48.2 72.2

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Reviewed By :Semsettin Yesilyurt 07/26/2022

Supervised By :Mahesh Dadoda 07/26/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.095 min Scan# 2895

Delta R.T. 0.029 min

Lab File: VL039523.D

Acq: 25 Jul 2022 19:23

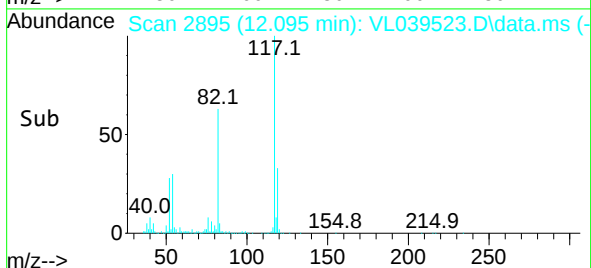
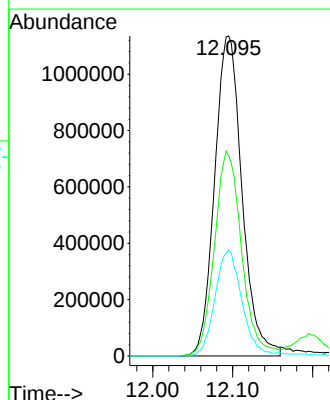
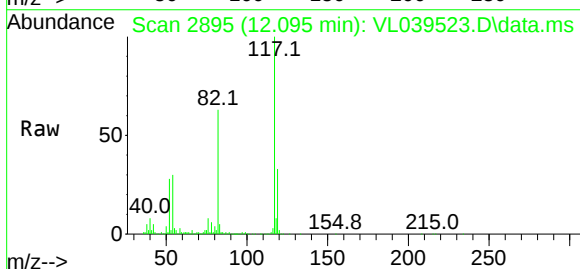
Tgt Ion:117 Resp: 2704014

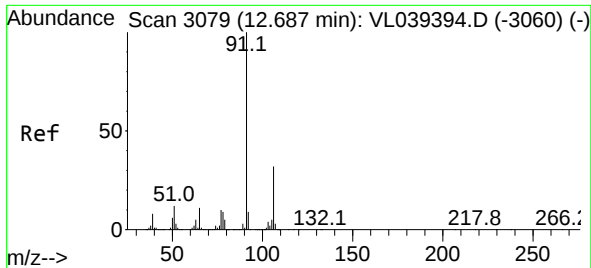
Ion Ratio Lower Upper

117 100

82 63.2 50.8 76.2

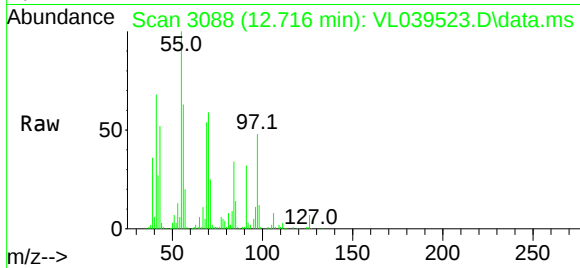
119 33.3 24.1 36.1





#58
Ethyl Benzene
Concen: 0.282 ppbv m
RT: 12.716 min Scan# 3079
Delta R.T. 0.029 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

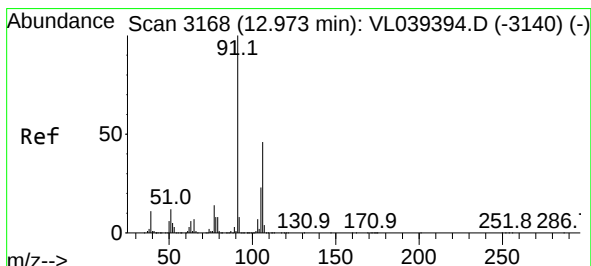
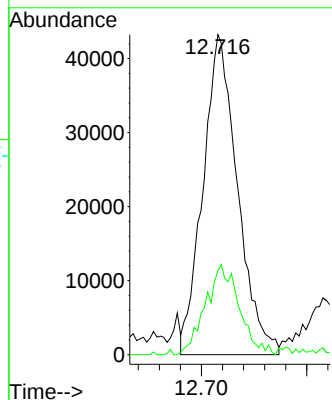
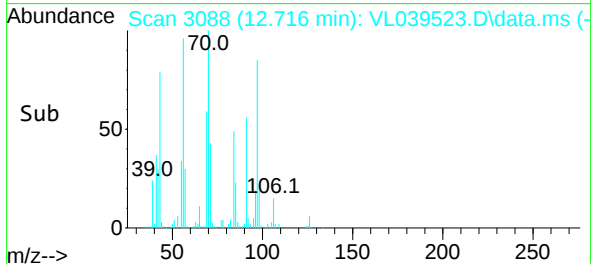
Instrument :
MSVOA_L
ClientSampleId :
ENV-DE-5-SV



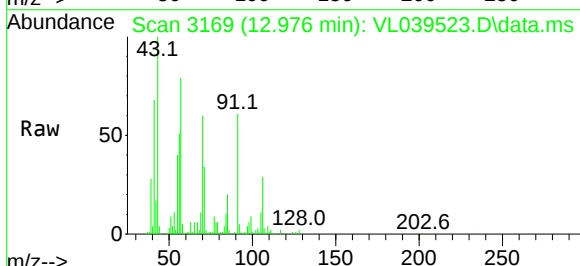
Tgt Ion: 91 Resp: 98302
Ion Ratio Lower Upper
91 100
106 26.3 25.4 38.0

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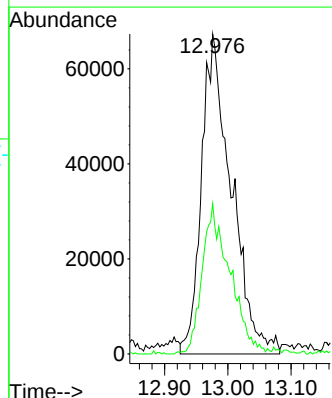
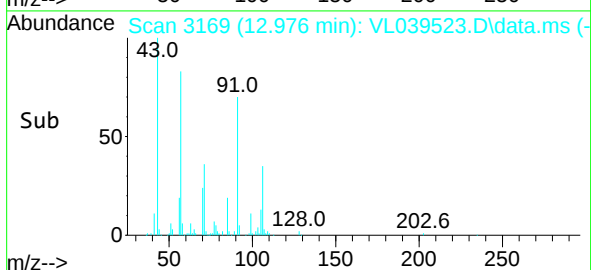
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022

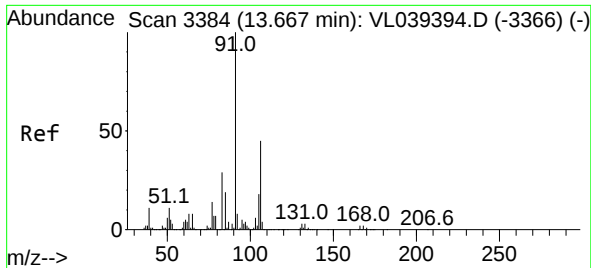


#59
m/p-Xylene
Concen: 0.716 ppbv m
RT: 12.976 min Scan# 3169
Delta R.T. 0.003 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23



Tgt Ion: 91 Resp: 220309
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





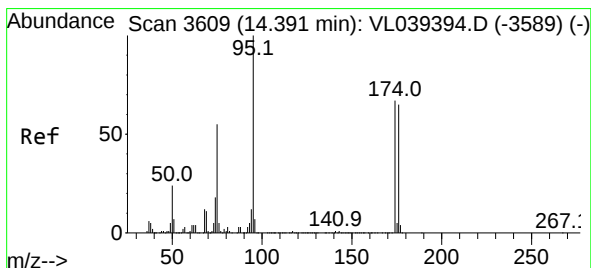
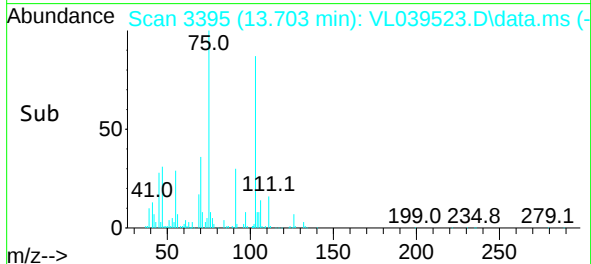
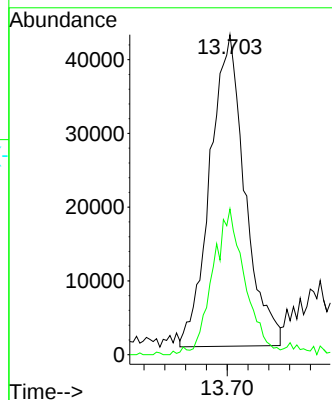
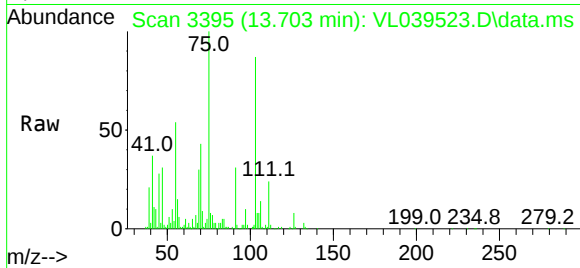
#60
o-Xylene
Concen: 0.338 ppbv
RT: 13.703 min Scan# 3111
Delta R.T. 0.035 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

Instrument :
MSVOA_L
ClientSampleId :
ENV-DE-5-SV

Tgt Ion: 91 Resp: 98625
Ion Ratio Lower Upper
91 100
106 45.2 22.4 67.3

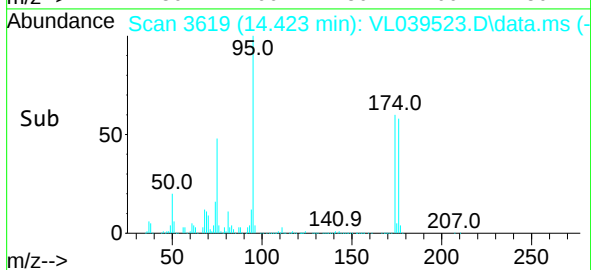
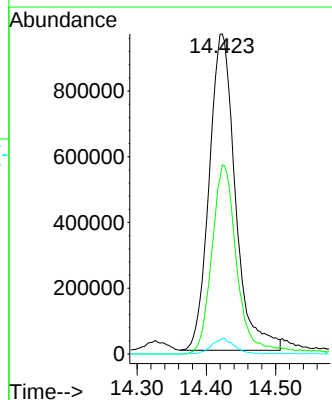
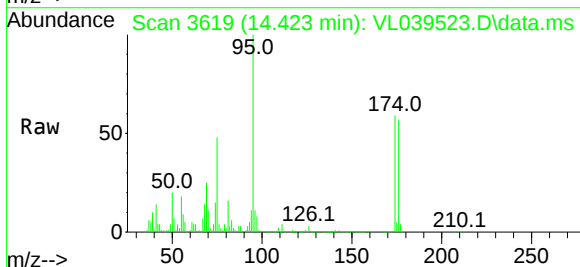
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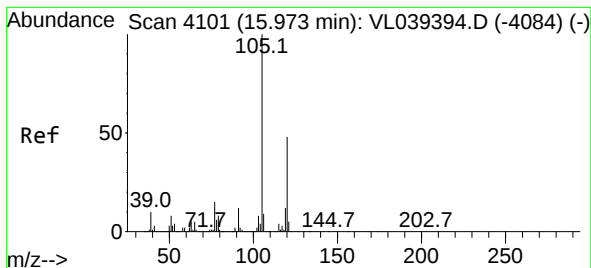
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 12.594 ppbv
RT: 14.423 min Scan# 3619
Delta R.T. 0.032 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

Tgt Ion: 95 Resp: 2526278
Ion Ratio Lower Upper
95 100
174 58.9 55.9 83.9
175 4.4 4.2 6.4





#73

1,3,5-Trimethylbenzene

Concen: 0.169 ppbv

RT: 16.008 min Scan# 4101

Delta R.T. 0.035 min

Lab File: VL039523.D

Acq: 25 Jul 2022 19:23

Instrument :

MSVOA_L

ClientSampleId :

ENV-DE-5-SV

Tgt Ion:105 Resp: 53270

Ion Ratio Lower Upper

105 100

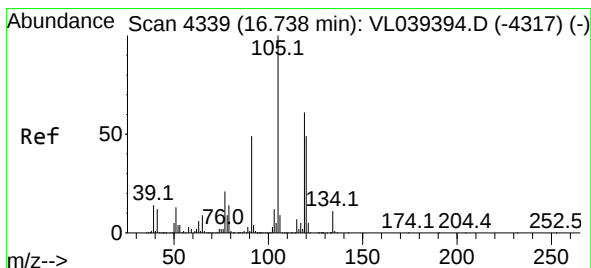
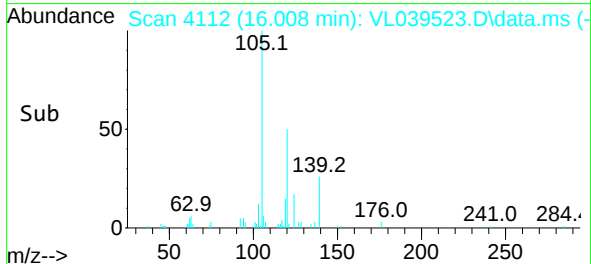
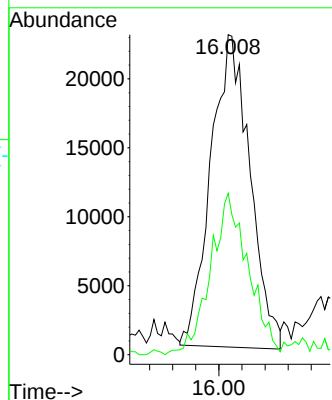
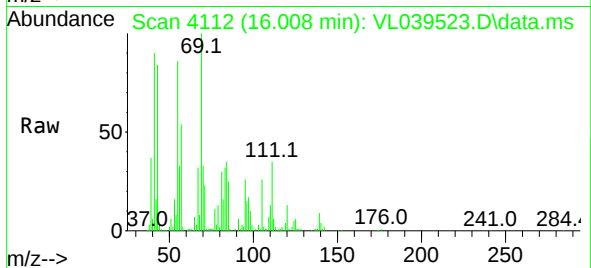
120 51.6 38.2 57.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/26/2022

Supervised By :Mahesh Dadoda 07/26/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.445 ppbv

RT: 16.770 min Scan# 4349

Delta R.T. 0.032 min

Lab File: VL039523.D

Acq: 25 Jul 2022 19:23

Tgt Ion:105 Resp: 154860

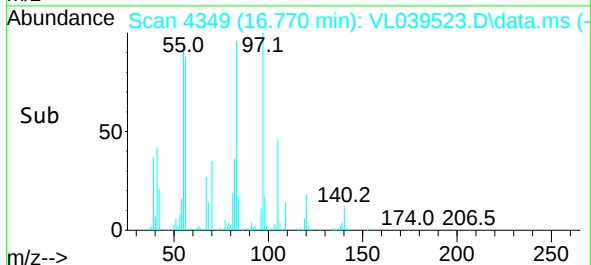
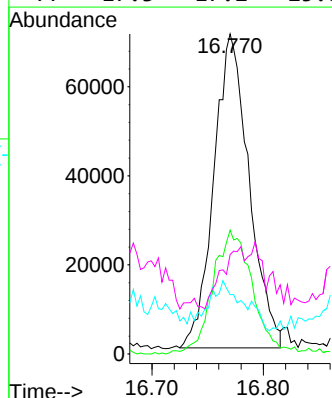
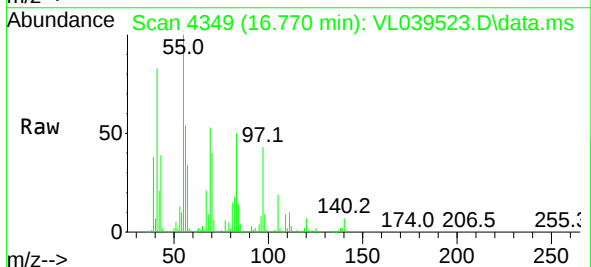
Ion Ratio Lower Upper

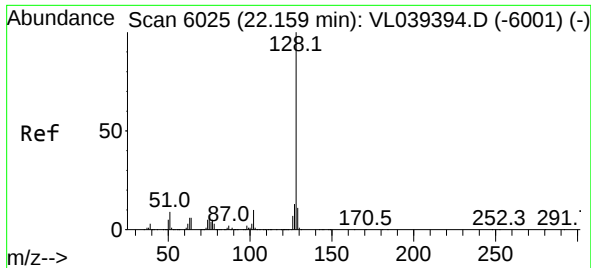
105 100

120 37.9 39.5 59.3#

91 8.4 39.2 58.8#

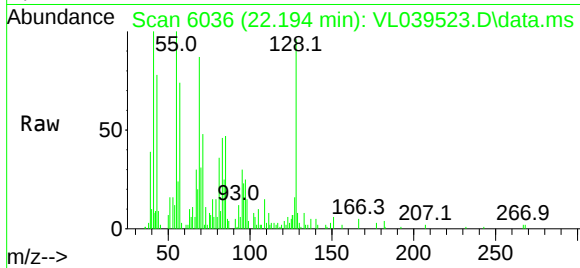
77 17.3 17.2 25.8





#79
Naphthalene
Concen: 0.166 ppbv m
RT: 22.194 min Scan# 6025
Delta R.T. 0.035 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

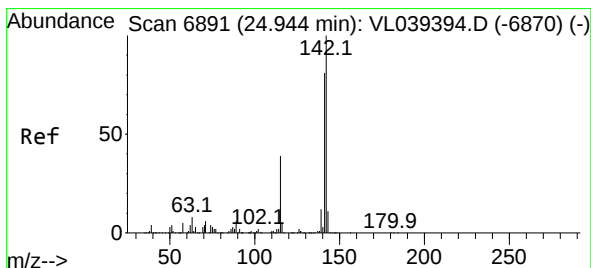
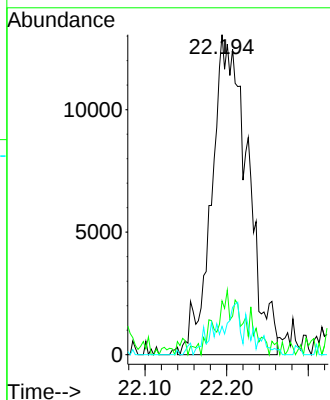
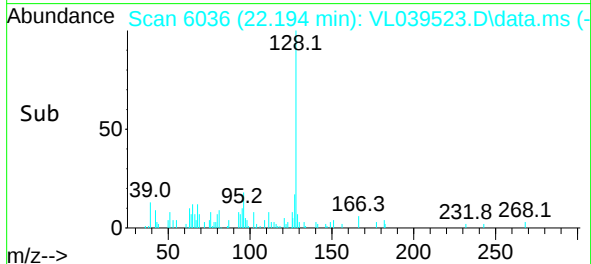
Instrument :
MSVOA_L
ClientSampleId :
ENV-DE-5-SV



Tgt Ion:128 Resp: 3986
Ion Ratio Lower Upper
128 100
127 16.8 10.6 15.8
129 8.8 8.8 13.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#80
Naphthalene,2-methyl-
Concen: 0.203 ppbv
RT: 24.972 min Scan# 6900
Delta R.T. 0.029 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

Tgt Ion:142 Resp: 16589
Ion Ratio Lower Upper
142 100
141 103.1 68.9 103.3
115 58.5 30.0 45.0#

