

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
 Data File : VL039309.D
 Acq On : 15 Jun 2022 23:59
 Operator : SY/AP
 Sample : N3338-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/17/2022

Quant Time: Jun 16 04:38:40 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 0

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	5.652	49	1185753	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.160	114	3260916	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.069	117	2903891	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.394	95	2250405	9.374	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.041	85	54317	0.261	ppbv	91
3) Chlorodifluoromethane	2.980	51	93750m	0.621	ppbv	
4) Chloromethane	3.137	50	53312m	0.688	ppbv	
9) Propene	3.009	41	70928m	1.078	ppbv	
10) Heptane	8.095	43	23065m	0.150	ppbv	
11) Trichlorofluoromethane	3.941	101	42828	0.227	ppbv	97
13) Ethanol	3.597	45	9867261	2750.307	ppbv #	100
15) Acetone	3.838	43	1561242	12.640	ppbv	93
17) tert-Butyl alcohol	4.288	59	39011	0.407	ppbv #	89
19) Isopropyl Alcohol	3.960	45	3720254	64.217	ppbv #	98
20) Methylene Chloride	4.333	84	901529	17.320	ppbv	91
26) Hexane	5.674	57	750296	6.133	ppbv #	41
29) Chloroform	5.739	83	539030	2.618	ppbv	97
30) Cyclohexane	7.111	84	18066m	0.176	ppbv	
34) 2-Butanone	5.234	43	80134	0.452	ppbv	92
35) Carbon Tetrachloride	7.002	117	14608m	0.061	ppbv	
36) Benzene	6.870	78	90018	0.340	ppbv	95
44) 2,2,4-Trimethylpentane	7.857	57	106917m	0.231	ppbv	
52) Tetrachloroethene	11.201	164	12490m	0.121	ppbv	
53) Toluene	9.790	91	239401	0.785	ppbv	99
58) Ethyl Benzene	12.690	91	43959m	0.110	ppbv	
59) m/p-Xylene	12.947	91	119846m	0.340	ppbv	
60) o-Xylene	13.667	91	49701m	0.150	ppbv	
74) 1,2,4-Trimethylbenzene	16.745	105	60026m	0.154	ppbv	
76) 1,4-Dichlorobenzene	17.121	146	61432m	0.279	ppbv	

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

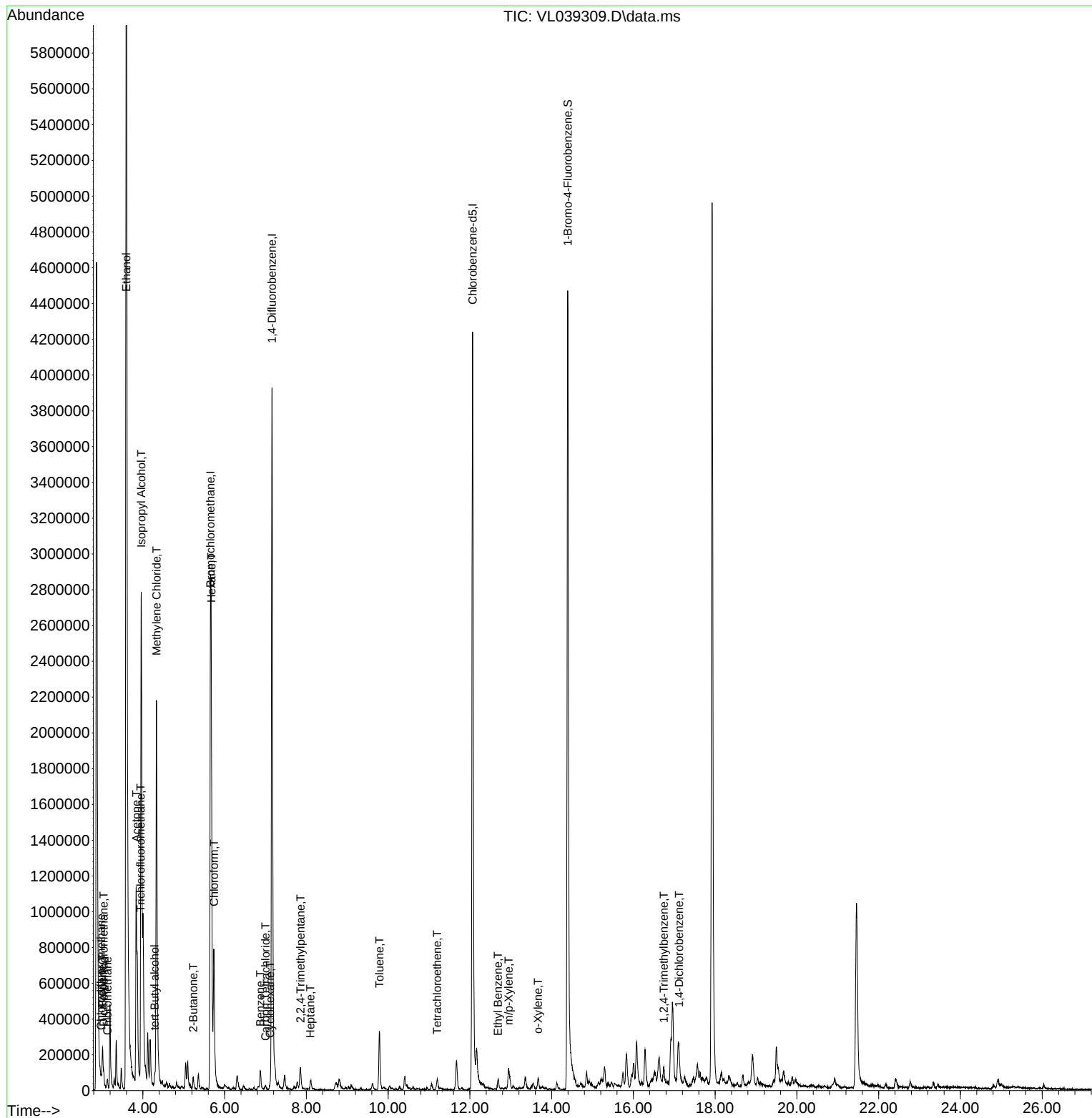
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
Data File : VL039309.D
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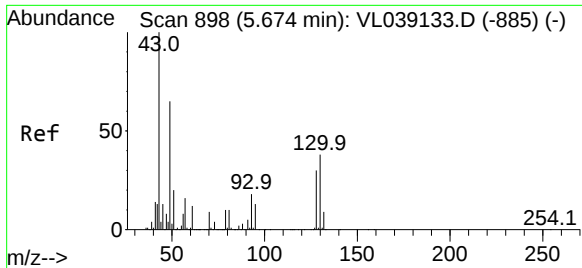
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Jun 16 04:38:40 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

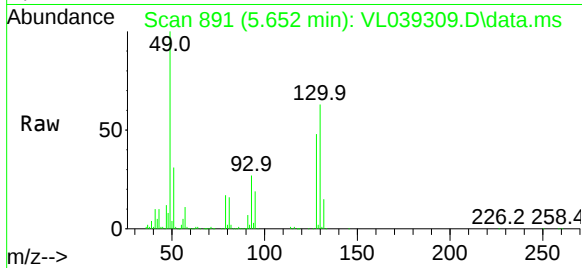
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.652 min Scan# 89
Delta R.T. -0.022 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

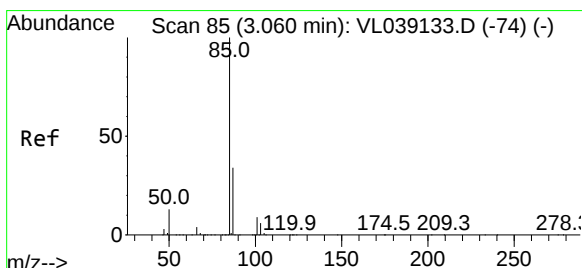
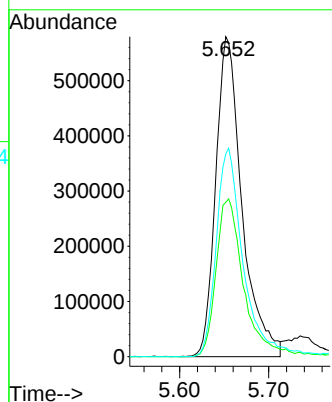
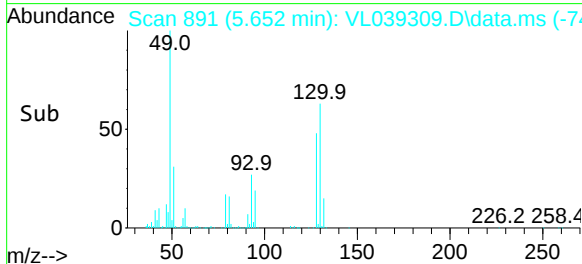
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 118575
Ion Ratio Lower Upper
49 100
128 53.2 24.7 74.1
130 68.3 31.4 94.0

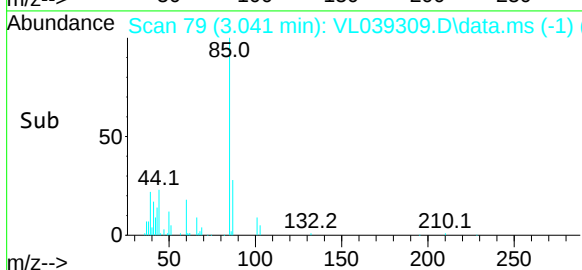
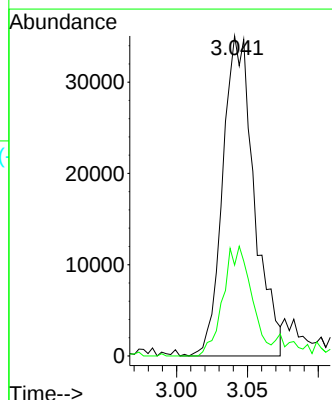
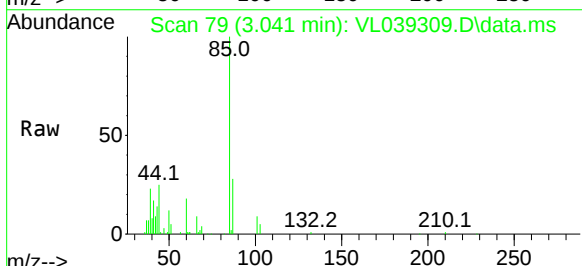
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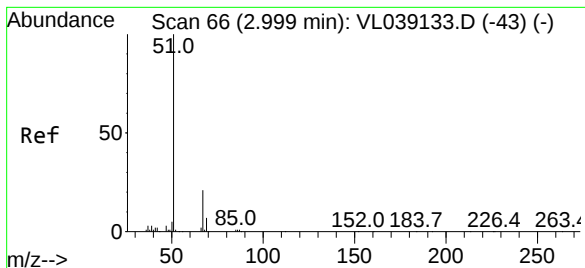
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#2
Dichlorodifluoromethane
Concen: 0.261 ppbv
RT: 3.041 min Scan# 79
Delta R.T. -0.019 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

Tgt Ion: 85 Resp: 54317
Ion Ratio Lower Upper
85 100
87 28.4 26.9 40.3





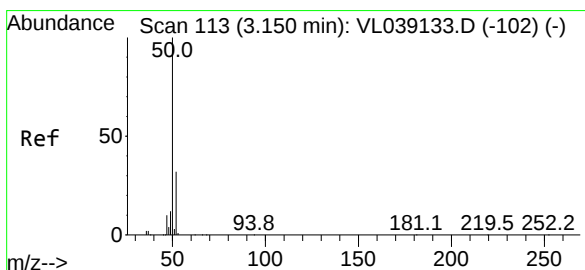
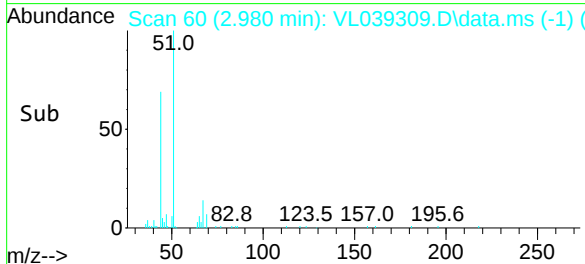
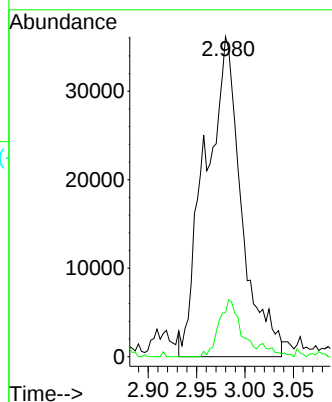
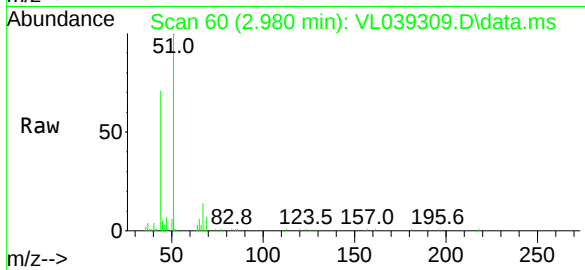
#3
Chlorodifluoromethane
Concen: 0.621 ppbv m
RT: 2.980 min Scan# 60
Delta R.T. -0.019 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 93750
Ion Ratio Lower Upper
51 100
67 0.7 16.2 24.4

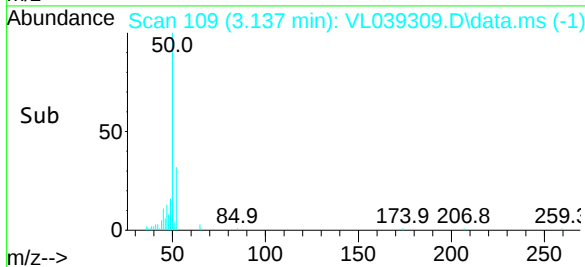
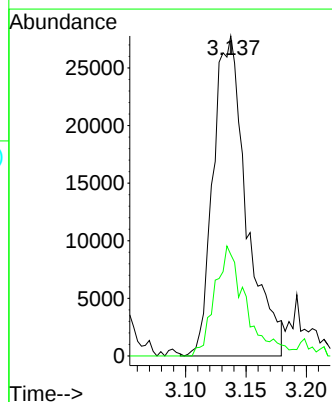
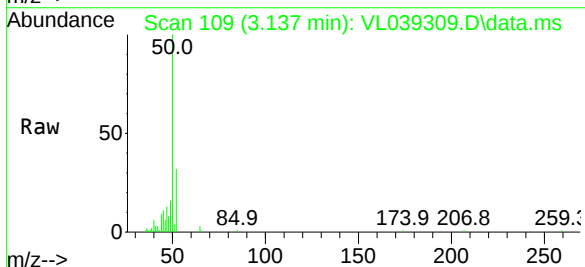
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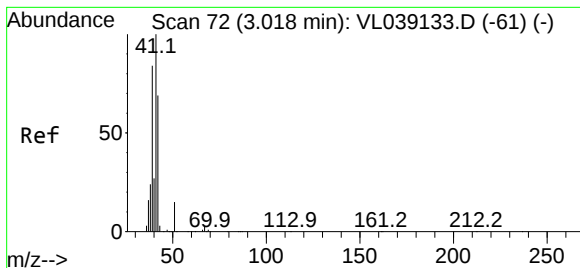
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#4
Chloromethane
Concen: 0.688 ppbv m
RT: 3.137 min Scan# 109
Delta R.T. -0.013 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

Tgt Ion: 50 Resp: 53312
Ion Ratio Lower Upper
50 100
52 31.7 25.9 38.9





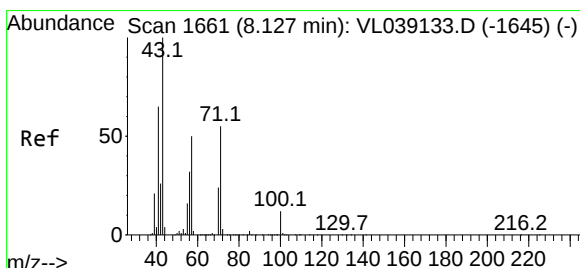
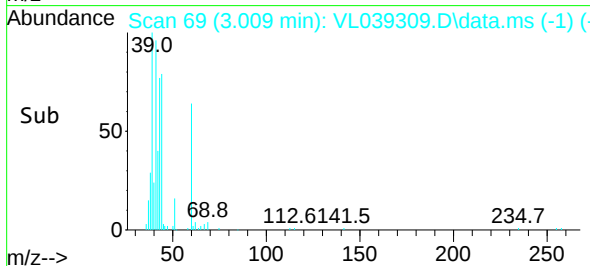
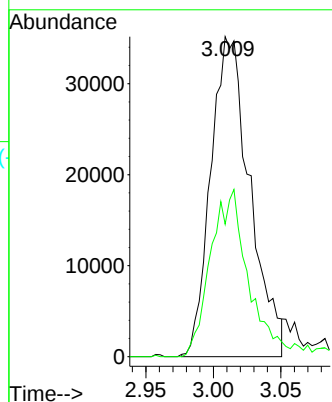
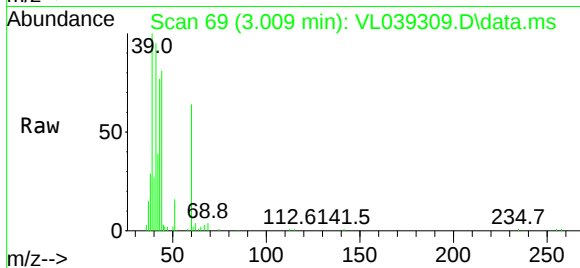
#9
 Propene
 Concen: 1.078 ppbv m
 RT: 3.009 min Scan# 61
 Delta R.T. -0.010 min
 Lab File: VL039309.D
 Acq: 15 Jun 2022 23:59

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Tgt Ion: 41 Resp: 70928
 Ion Ratio Lower Upper
 41 100
 42 52.6 55.4 83.2

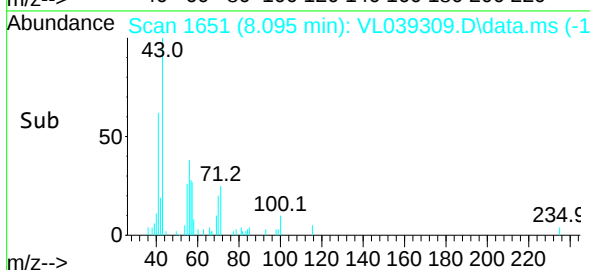
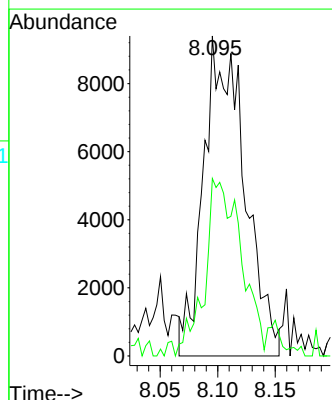
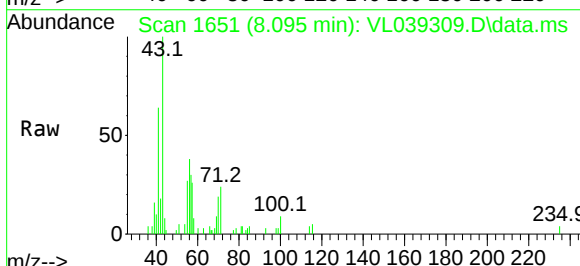
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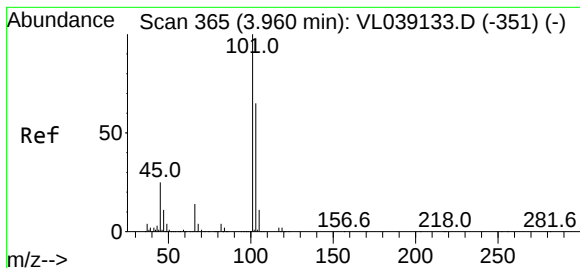
Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/17/2022



#10
 Heptane
 Concen: 0.150 ppbv m
 RT: 8.095 min Scan# 1651
 Delta R.T. -0.032 min
 Lab File: VL039309.D
 Acq: 15 Jun 2022 23:59

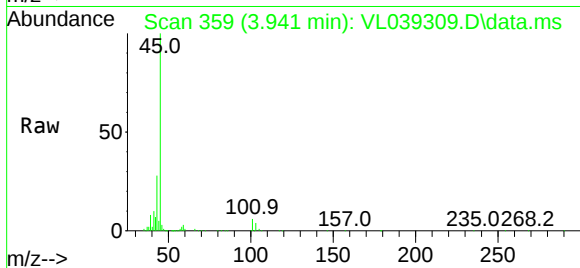
Tgt Ion: 43 Resp: 23065
 Ion Ratio Lower Upper
 43 100
 57 54.0 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.227 ppbv
RT: 3.941 min Scan# 301
Delta R.T. -0.019 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

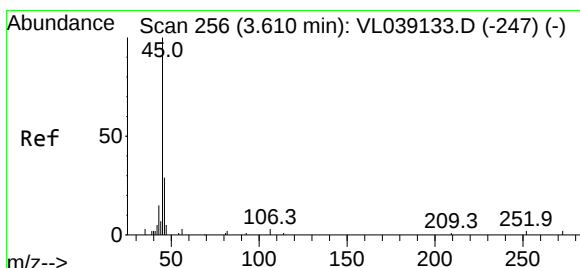
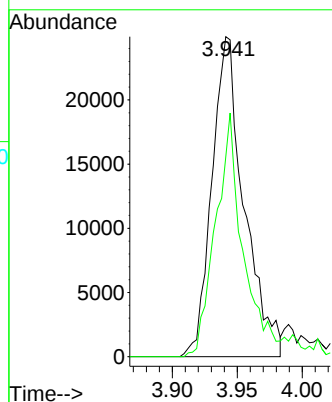
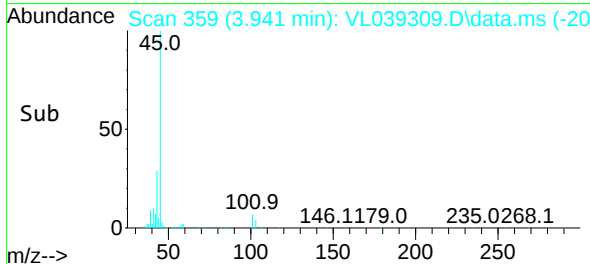
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:101 Resp: 42828
Ion Ratio Lower Upper
101 100
103 62.5 51.7 77.5

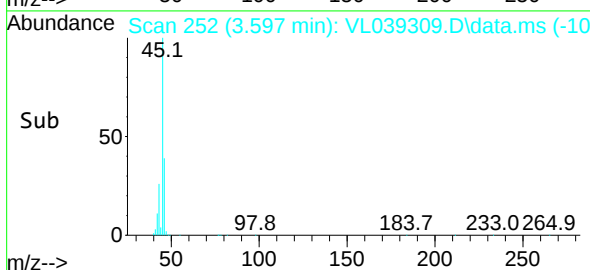
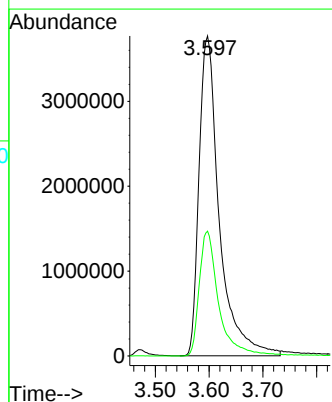
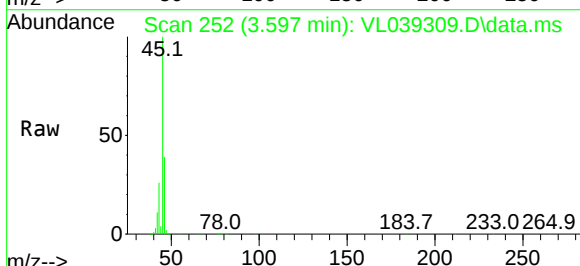
Manual Integrations
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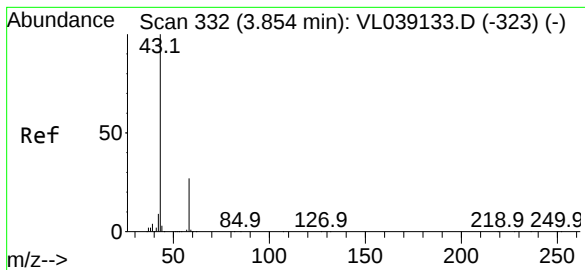
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#13
Ethanol
Concen: 2750.307 ppbv
RT: 3.597 min Scan# 252
Delta R.T. -0.013 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

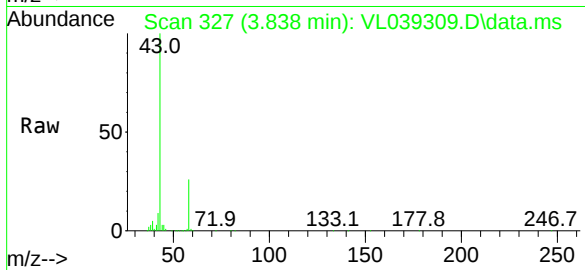
Tgt Ion: 45 Resp: 9867261
Ion Ratio Lower Upper
45 100
46 37.9 0.0 0.0#





#15
Acetone
Concen: 12.640 ppbv
RT: 3.838 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

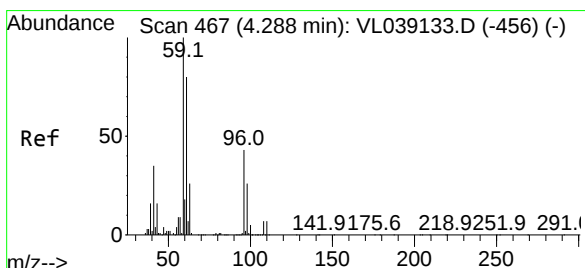
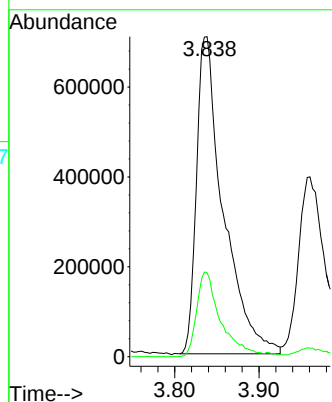
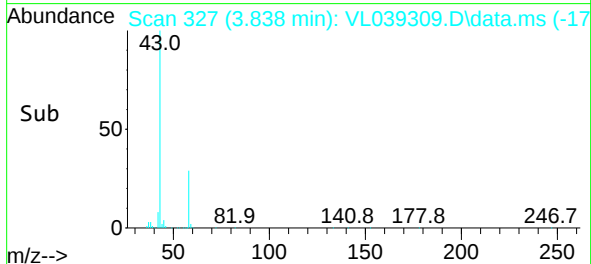
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 156124
Ion Ratio Lower Upper
43 100
58 24.4 22.5 33.7

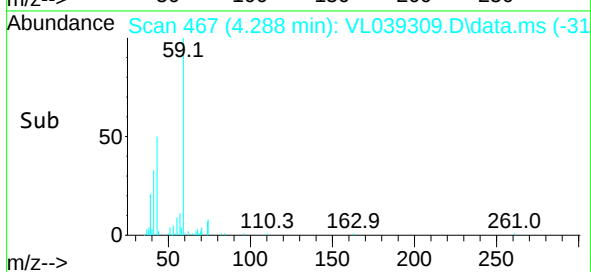
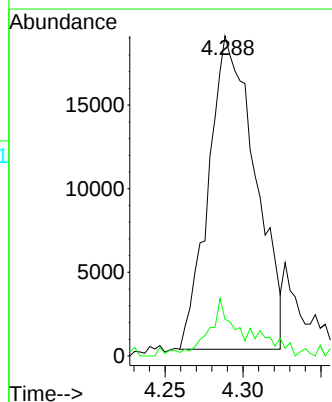
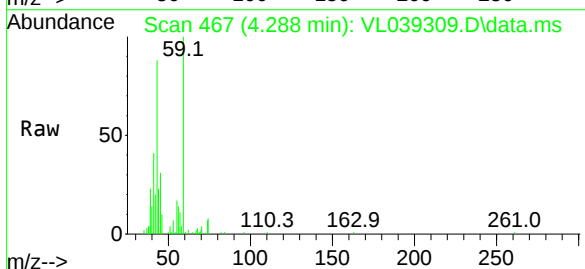
Manual Integrations
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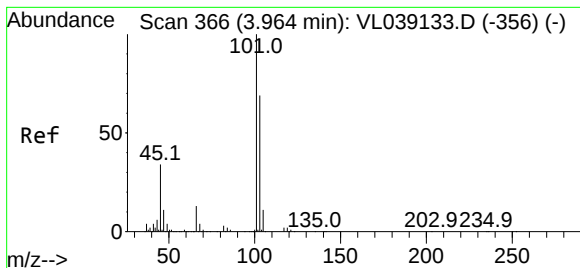
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#17
tert-Butyl alcohol
Concen: 0.407 ppbv
RT: 4.288 min Scan# 467
Delta R.T. 0.000 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

Tgt Ion: 59 Resp: 39011
Ion Ratio Lower Upper
59 100
57 15.7 9.1 13.7#





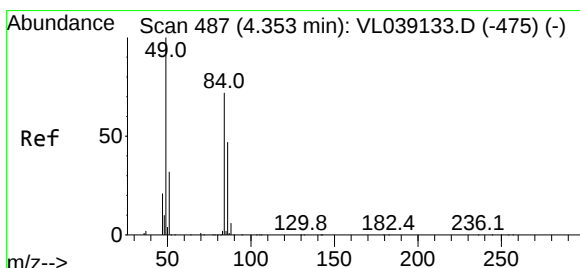
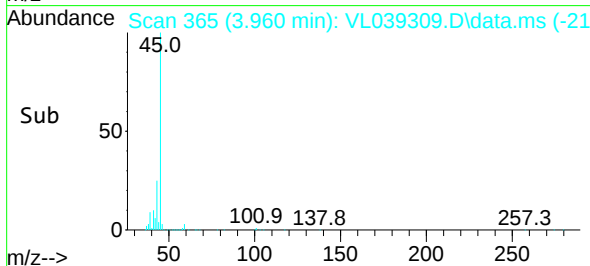
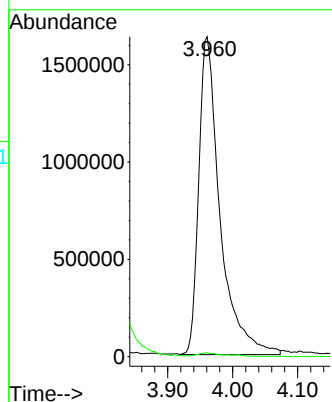
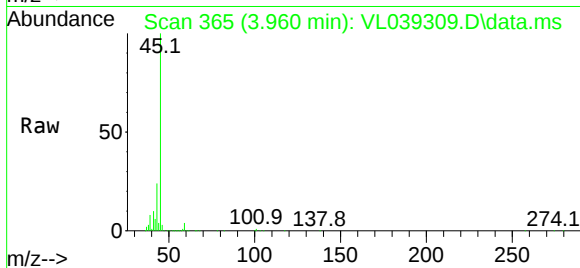
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Isopropyl Alcohol
Concen: 64.217 ppbv
RT: 3.960 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 3720254
Ion Ratio Lower Upper
45 100
58 1.6 1.8 2.8

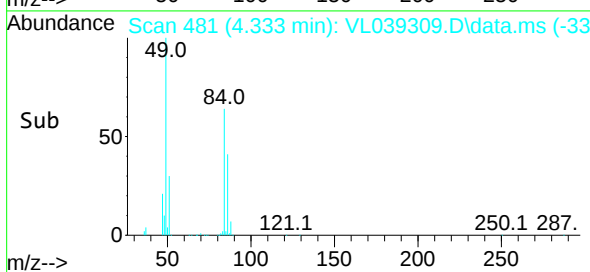
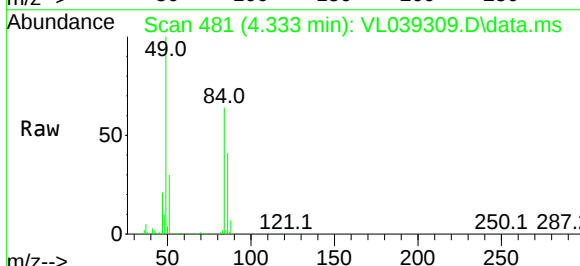
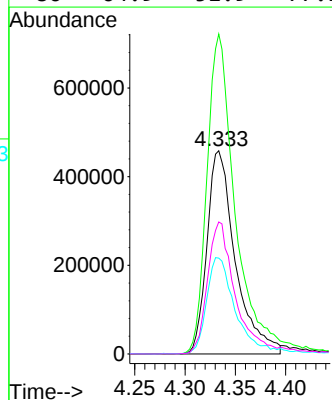
Manual Integrations
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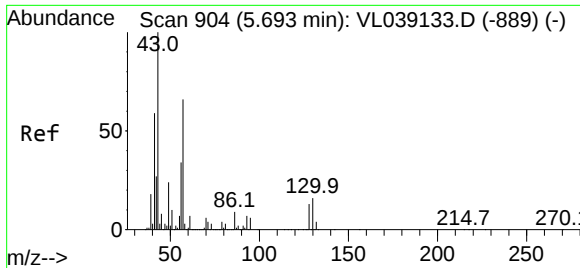
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#20
Methylene Chloride
Concen: 17.320 ppbv
RT: 4.333 min Scan# 481
Delta R.T. -0.019 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

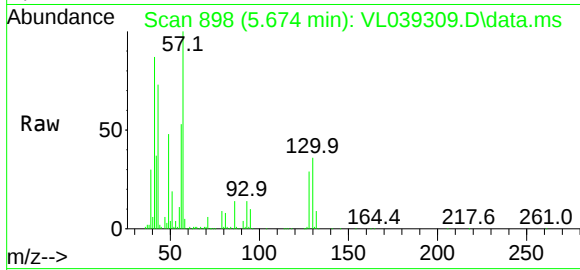
Tgt Ion: 84 Resp: 901529
Ion Ratio Lower Upper
84 100
49 157.4 111.1 166.7
51 47.1 35.3 52.9
86 64.9 51.9 77.9





#26
Hexane
Concen: 6.133 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.019 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

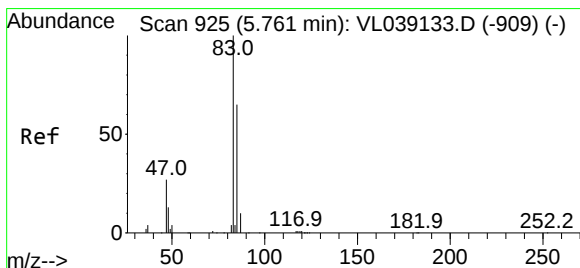
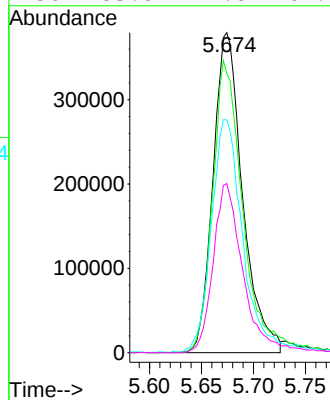
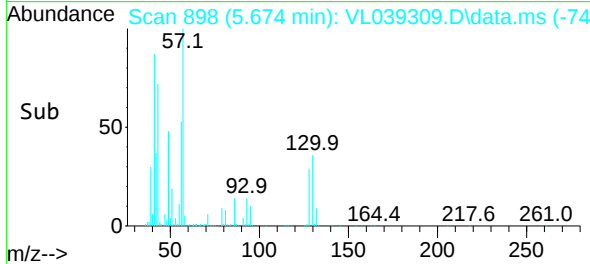
Instrument : MSVOA_L
ClientSampleId : IA1



Tgt Ion: 57 Resp: 750290
Ion Ratio Lower Upper
57 100
41 95.5 72.4 108.6
43 78.7 187.0 280.6
56 53.8 41.8 62.6

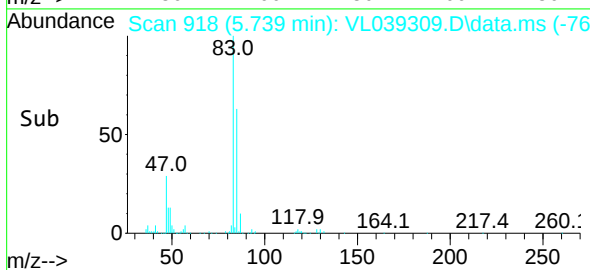
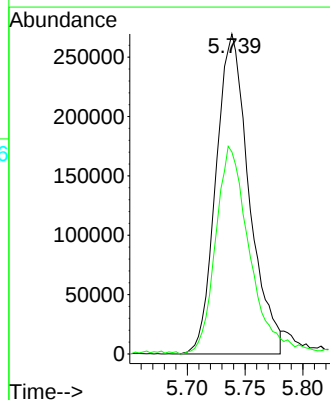
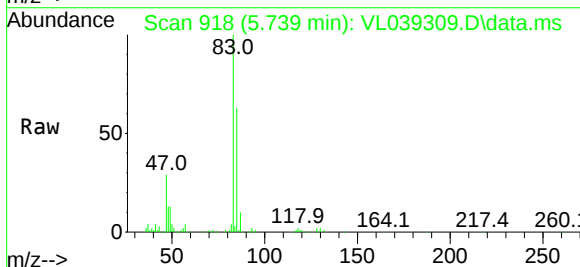
Manual Integrations
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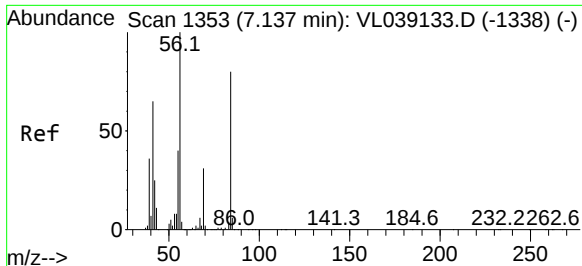
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#29
Chloroform
Concen: 2.618 ppbv
RT: 5.739 min Scan# 918
Delta R.T. -0.022 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

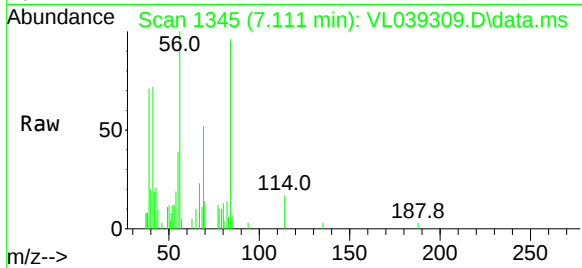
Tgt Ion: 83 Resp: 539030
Ion Ratio Lower Upper
83 100
85 63.2 52.4 78.6





#30
Cyclohexane
Concen: 0.176 ppbv m
RT: 7.111 min Scan# 1345
Delta R.T. -0.026 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

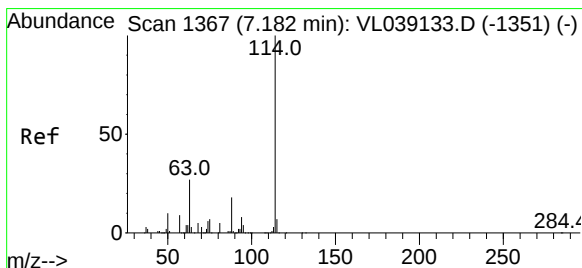
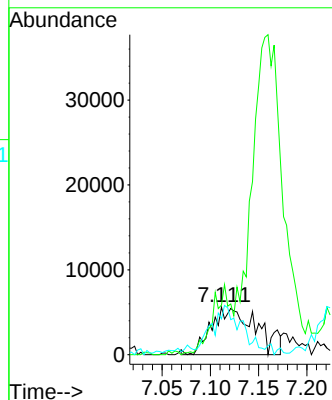
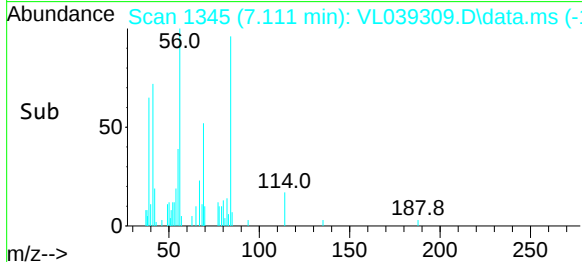
Instrument :
MSVOA_L
ClientSampleId :
IA1



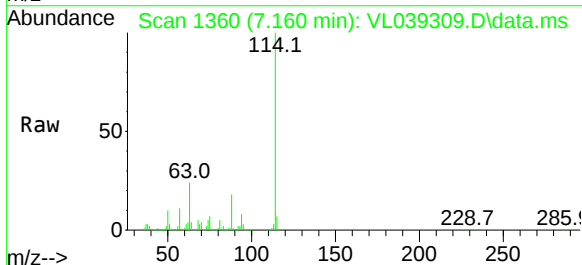
Tgt Ion: 84 Resp: 1806
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8
41 77.5 68.9 103.3

Manual Integrations
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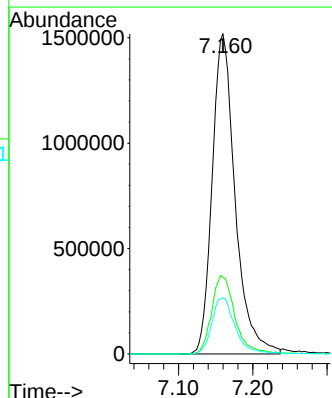
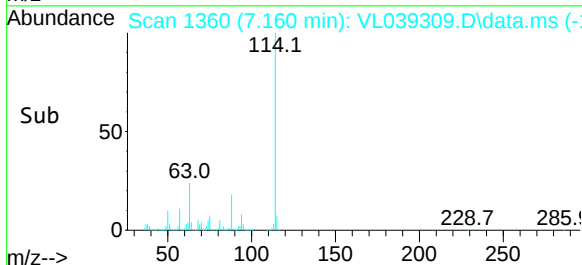
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

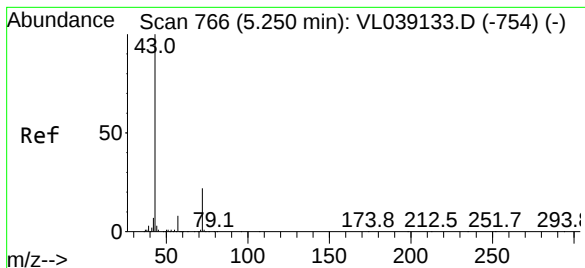


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.160 min Scan# 1360
Delta R.T. -0.022 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59



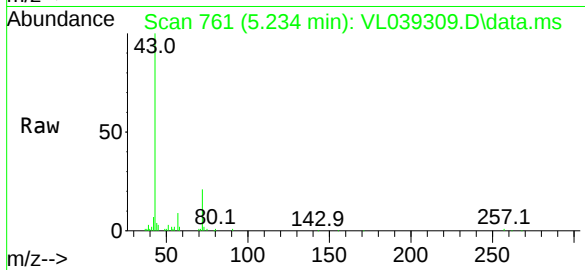
Tgt Ion:114 Resp: 3260916
Ion Ratio Lower Upper
114 100
63 25.2 21.7 32.5
88 18.1 14.8 22.2





#34
2-Butanone
Concen: 0.452 ppbv
RT: 5.234 min Scan# 71
Delta R.T. -0.016 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

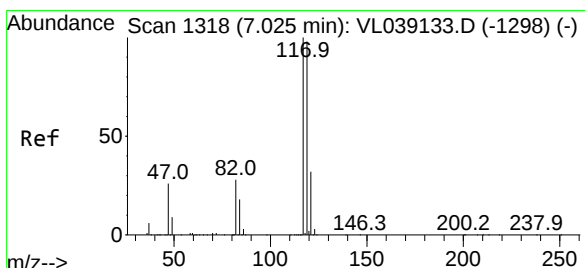
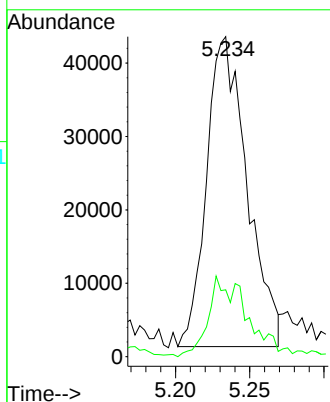
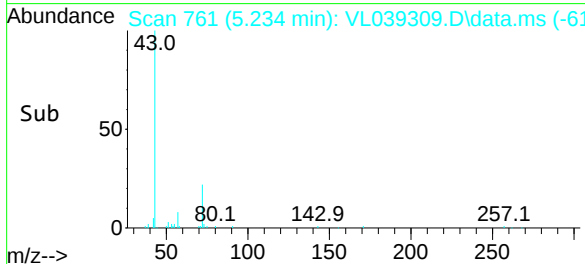
Instrument :
MSVOA_L
ClientSampleId :
IA1



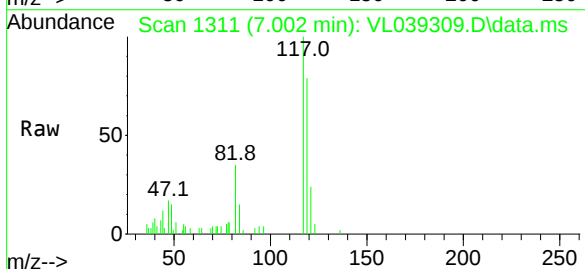
Tgt Ion: 43 Resp: 80134
Ion Ratio Lower Upper
43 100
72 26.5 18.2 27.2

Manual Integrations
APPROVED

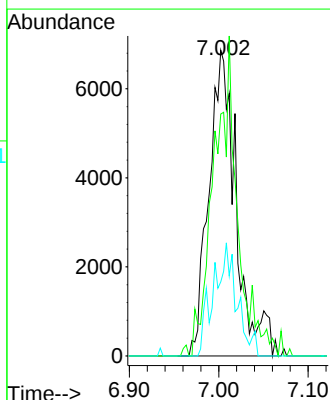
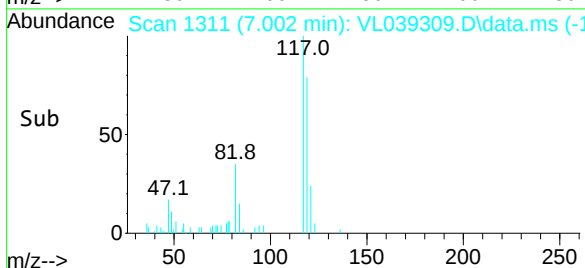
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

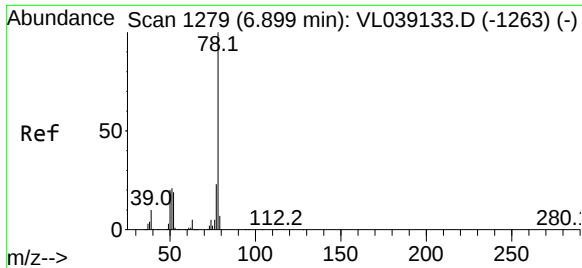


#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 7.002 min Scan# 1311
Delta R.T. -0.022 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59



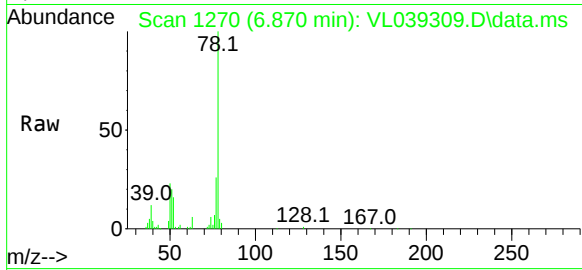
Tgt Ion:117 Resp: 14608
Ion Ratio Lower Upper
117 100
119 79.1 78.6 118.0
121 24.2 25.4 38.0#





#36
Benzene
Concen: 0.340 ppbv
RT: 6.870 min Scan# 11
Delta R.T. -0.029 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

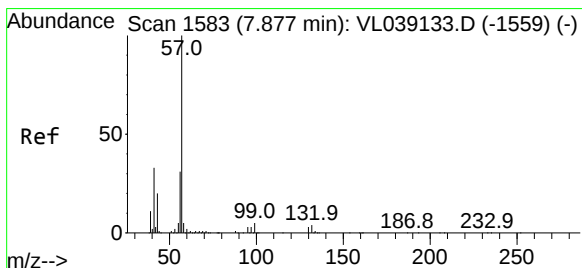
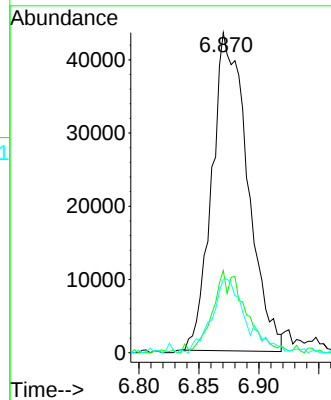
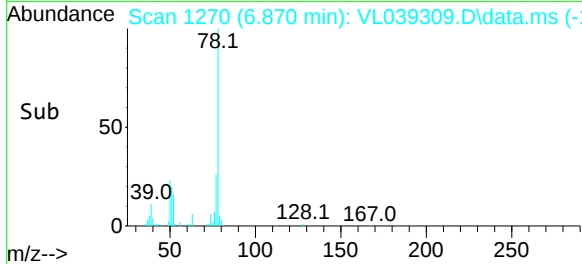
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 78 Resp: 90018
Ion Ratio Lower Upper
78 100
77 25.9 18.6 27.8
50 22.2 15.8 23.8

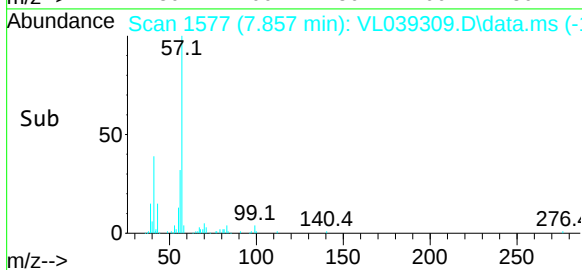
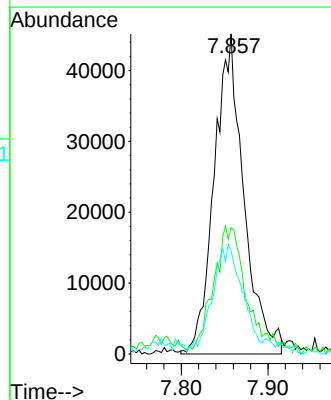
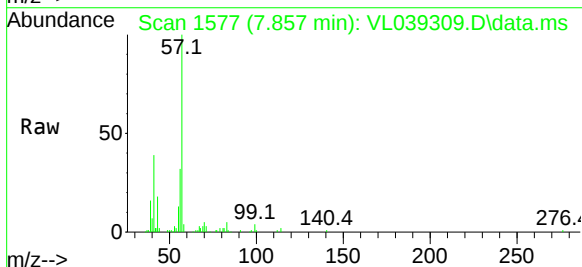
Manual Integrations
APPROVED

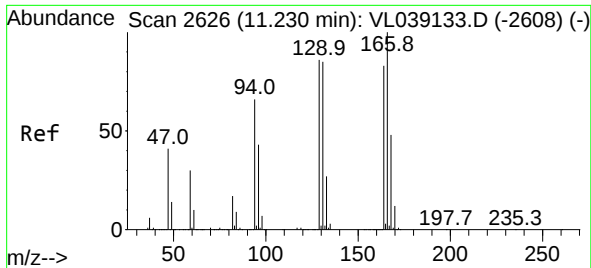
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#44
2,2,4-Trimethylpentane
Concen: 0.231 ppbv m
RT: 7.857 min Scan# 1577
Delta R.T. -0.019 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

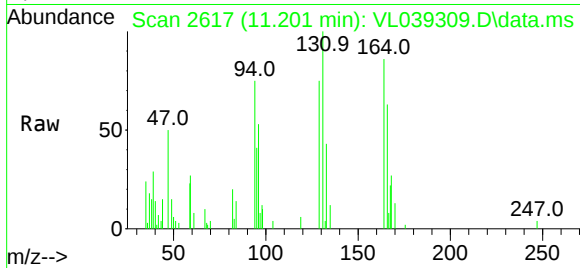
Tgt Ion: 57 Resp: 106917
Ion Ratio Lower Upper
57 100
41 46.3 26.2 39.4#
56 0.0 24.7 37.1#





#52
Tetrachloroethene
Concen: 0.121 ppbv m
RT: 11.201 min Scan# 2617
Delta R.T. -0.029 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

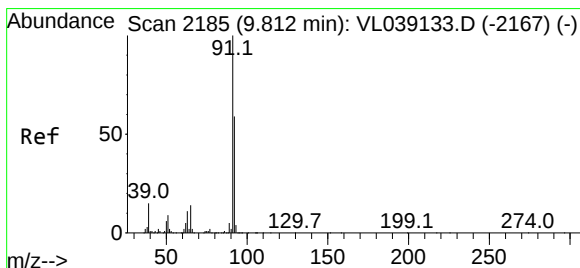
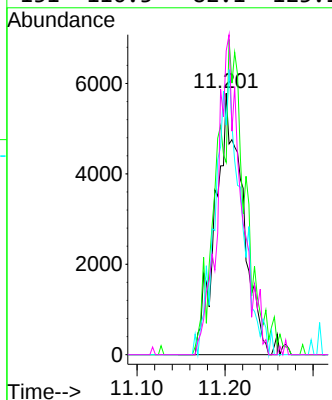
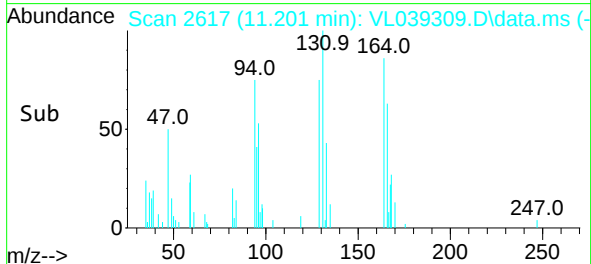
Instrument :
MSVOA_L
ClientSampleId :
IA1



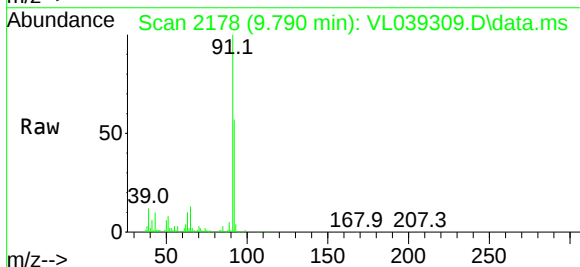
Tgt Ion:164 Resp: 12490
Ion Ratio Lower Upper
164 100
166 73.6 96.3 144.5
129 87.8 82.5 123.7
131 116.3 82.1 123.1

Manual Integrations
APPROVED

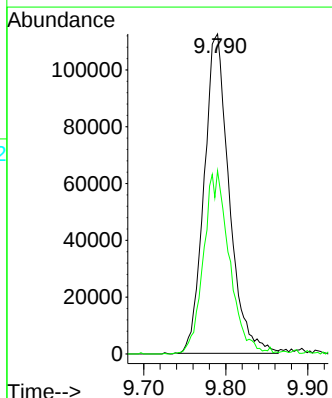
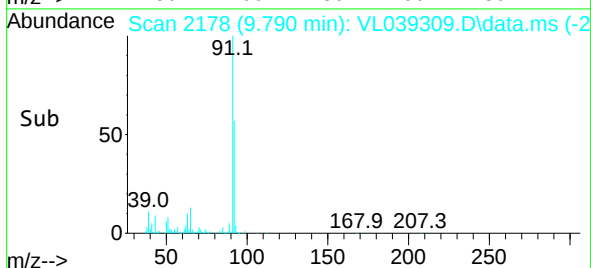
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

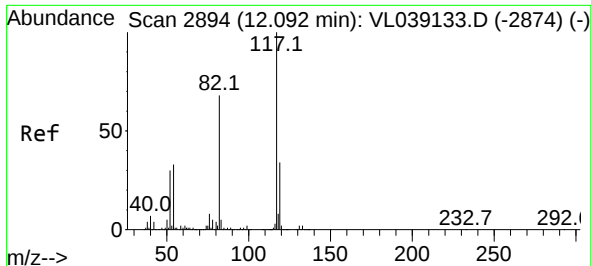


#53
Toluene
Concen: 0.785 ppbv
RT: 9.790 min Scan# 2178
Delta R.T. -0.022 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59



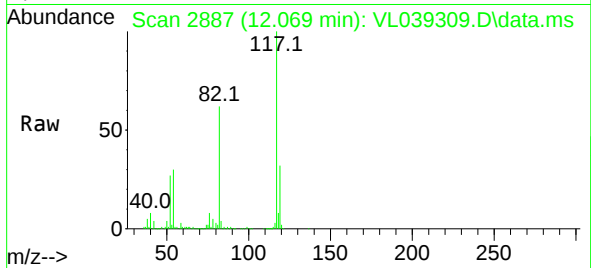
Tgt Ion: 91 Resp: 239401
Ion Ratio Lower Upper
91 100
92 59.7 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.069 min Scan# 2887
Delta R.T. -0.022 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

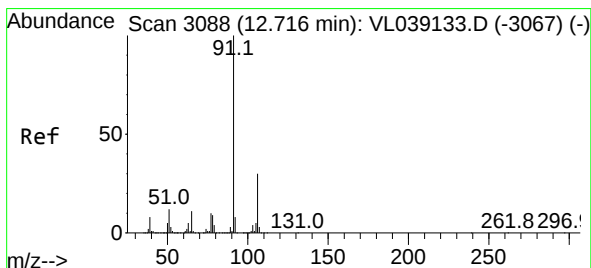
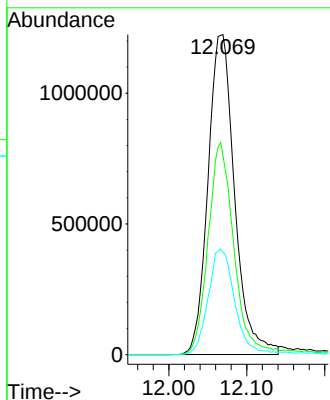
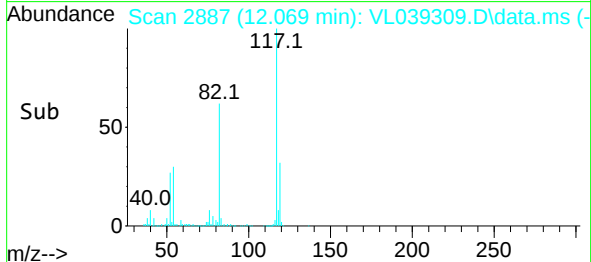
Instrument :
MSVOA_L
ClientSampleId :
IA1



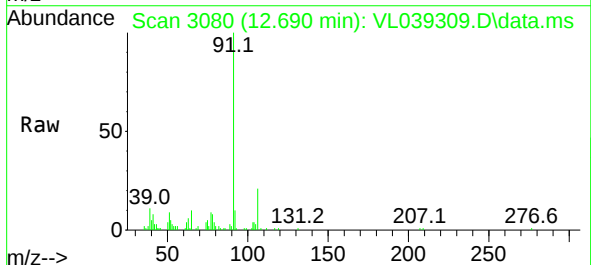
Tgt Ion: 117 Resp: 290389
Ion Ratio Lower Upper
117 100
82 66.1 55.1 82.7
119 33.3 24.7 37.1

Manual Integrations
APPROVED

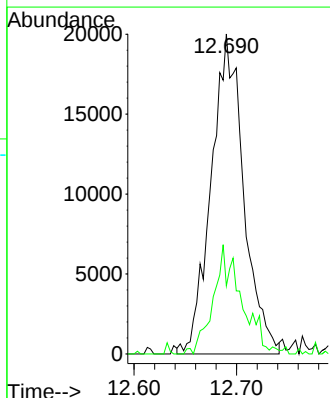
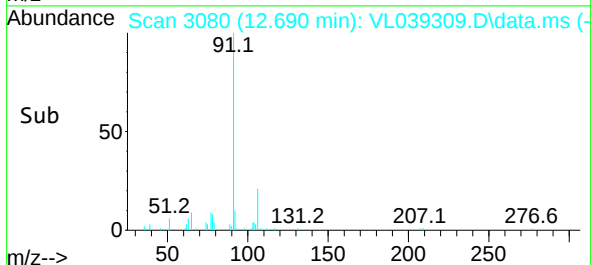
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

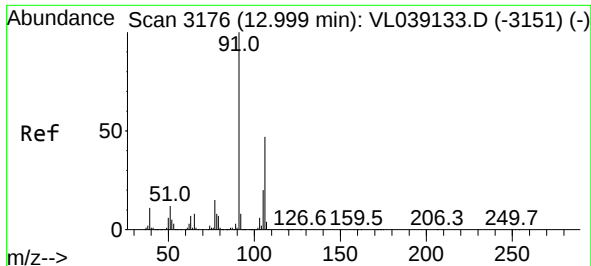


#58
Ethyl Benzene
Concen: 0.110 ppbv m
RT: 12.690 min Scan# 3080
Delta R.T. -0.026 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59



Tgt Ion: 91 Resp: 43959
Ion Ratio Lower Upper
91 100
106 21.2 24.2 36.4#





#59

m/p-Xylene

Concen: 0.340 ppbv m

RT: 12.947 min Scan# 3176

Delta R.T. -0.051 min

Lab File: VL039309.D

Acq: 15 Jun 2022 23:59

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 119840

Ion Ratio Lower Upper

91 100

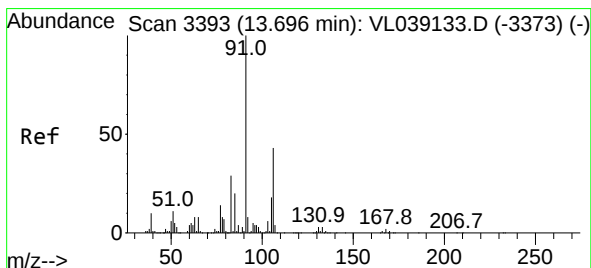
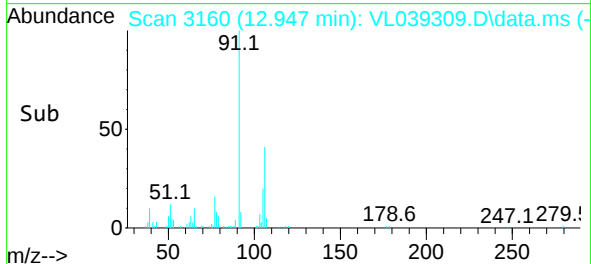
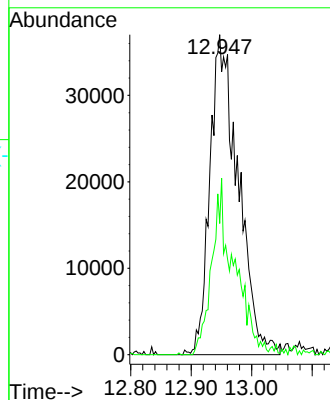
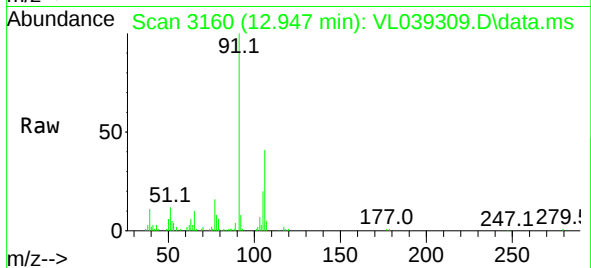
106 0.0 34.3 51.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/17/2022



#60

o-Xylene

Concen: 0.150 ppbv m

RT: 13.667 min Scan# 3384

Delta R.T. -0.029 min

Lab File: VL039309.D

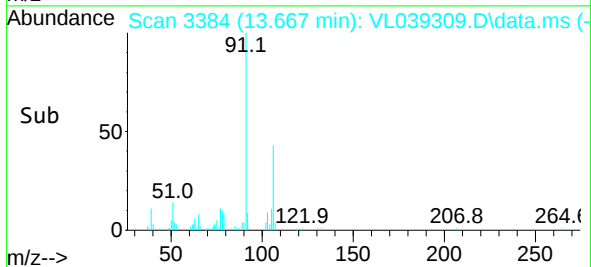
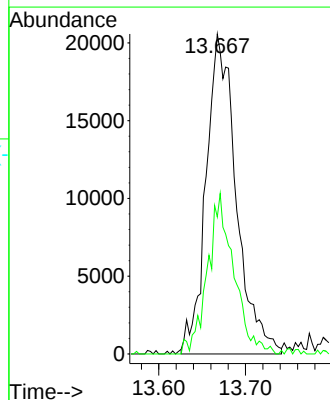
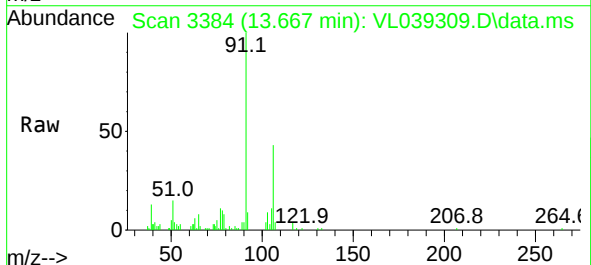
Acq: 15 Jun 2022 23:59

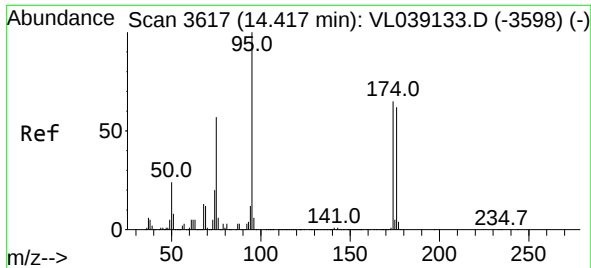
Tgt Ion: 91 Resp: 49701

Ion Ratio Lower Upper

91 100

106 44.0 22.3 66.9





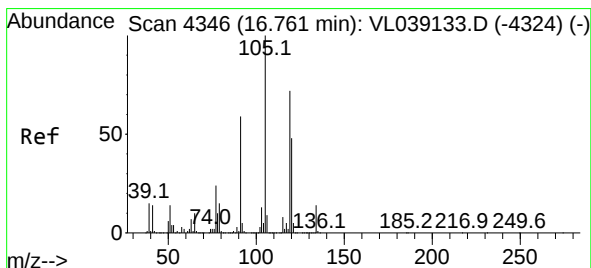
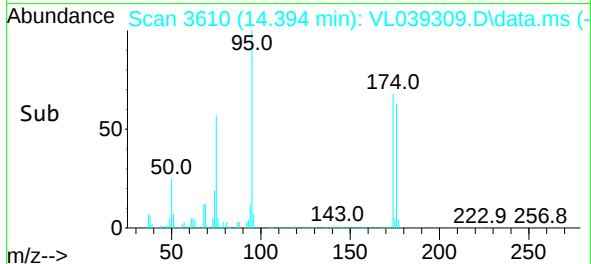
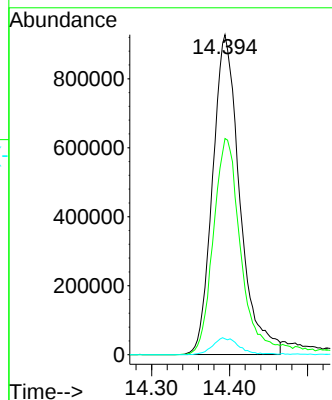
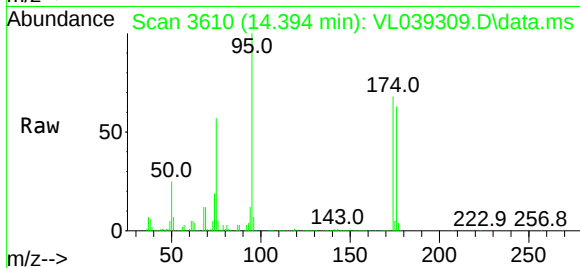
#68
1-Bromo-4-Fluorobenzene
Concen: 9.374 ppbv
RT: 14.394 min Scan# 3610
Delta R.T. -0.022 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 95 Resp: 225040
Ion Ratio Lower Upper
95 100
174 72.3 53.8 80.8
175 5.5 4.1 6.1

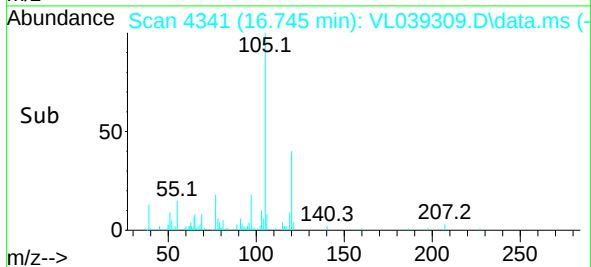
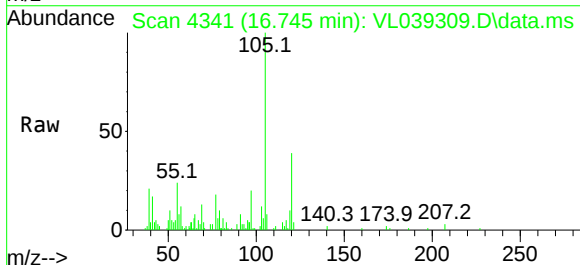
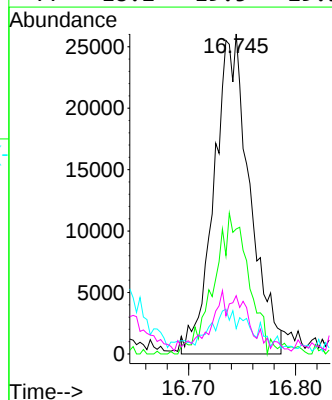
Manual Integrations
APPROVED

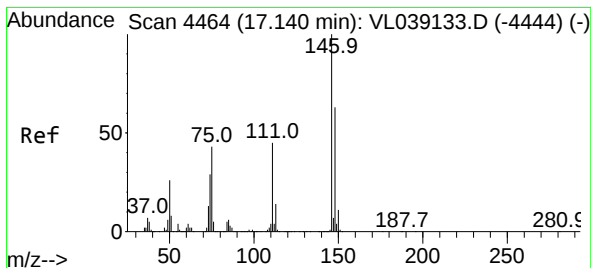
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.154 ppbv m
RT: 16.745 min Scan# 4341
Delta R.T. -0.016 min
Lab File: VL039309.D
Acq: 15 Jun 2022 23:59

Tgt Ion:105 Resp: 60026
Ion Ratio Lower Upper
105 100
120 39.0 38.1 57.1
91 8.0 47.4 71.0#
77 18.2 19.5 29.3#





#76

1,4-Dichlorobenzene

Concen: 0.279 ppbv m

RT: 17.121 min Scan# 44

Delta R.T. -0.019 min

Lab File: VL039309.D

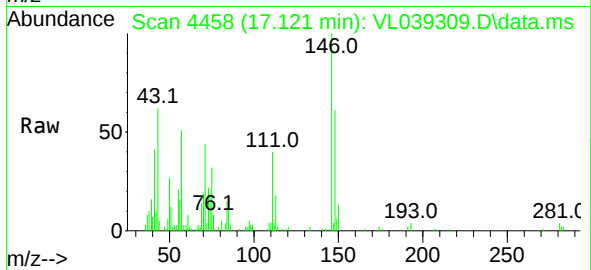
Acq: 15 Jun 2022 23:59

Instrument :

MSVOA_L

ClientSampleId :

IA1



Tgt Ion:146 Resp: 6143

Ion Ratio Lower Upper

146 100

111 0.0 23.6 71.0

148 68.9 33.7 101.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/17/2022

