

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
 Data File : VL039184.D
 Acq On : 6 Jun 2022 13:34
 Operator : SY/AP
 Sample : N3110-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

Manual Integrations
 APPROVED

Reviewed By :Semsettin
 Yesilyurt
 06/07/2022
 Supervised By :Mahesh
 Dadoda
 06/07/2022

Quant Time: Jun 06 14:09:06 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 06 14:09:06 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	5.664	49	1240998	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.166	114	3487514	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.076	117	3122993	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	2444398	9.467	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.050	85	21622m	0.099	ppbv	
3) Chlorodifluoromethane	2.989	51	21256	0.135	ppbv #	81
9) Propene	3.028	41	14601m	0.212	ppbv	
10) Heptane	8.118	43	18042m	0.112	ppbv	
11) Trichlorofluoromethane	3.954	101	32947m	0.167	ppbv	
13) Ethanol	3.597	45	150105	39.976	ppbv #	100
15) Acetone	3.848	43	319191	2.469	ppbv	96
19) Isopropyl Alcohol	3.967	45	59855m	0.987	ppbv	
20) Methylene Chloride	4.343	84	214501	3.937	ppbv	94
26) Hexane	5.681	57	510625	3.988	ppbv #	41
27) Carbon Disulfide	4.549	76	28508	0.215	ppbv #	83
29) Chloroform	5.748	83	117759	0.547	ppbv	84
34) 2-Butanone	5.250	43	45132m	0.238	ppbv	
35) Carbon Tetrachloride	7.015	117	198607	0.780	ppbv	98
52) Tetrachloroethene	11.211	164	141846m	1.283	ppbv	
53) Toluene	9.799	91	286502	0.879	ppbv	99
58) Ethyl Benzene	12.700	91	224262m	0.521	ppbv	
59) m/p-Xylene	12.957	91	865866	2.286	ppbv	92
60) o-Xylene	13.677	91	318503	0.895	ppbv	99
61) Styrene	13.519	104	18248m	0.096	ppbv	
64) n-propylbenzene	15.548	120	8604	0.066	ppbv #	1
65) tert-Butylbenzene	16.744	119	62825m	0.130	ppbv	
70) n-Butylbenzene	18.542	91	56864m	0.099	ppbv	
72) 4-Ethyltoluene	15.828	105	187773m	0.450	ppbv	
73) 1,3,5-Trimethylbenzene	15.982	105	137185	0.365	ppbv	93
74) 1,2,4-Trimethylbenzene	16.748	105	526220	1.253	ppbv #	65

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

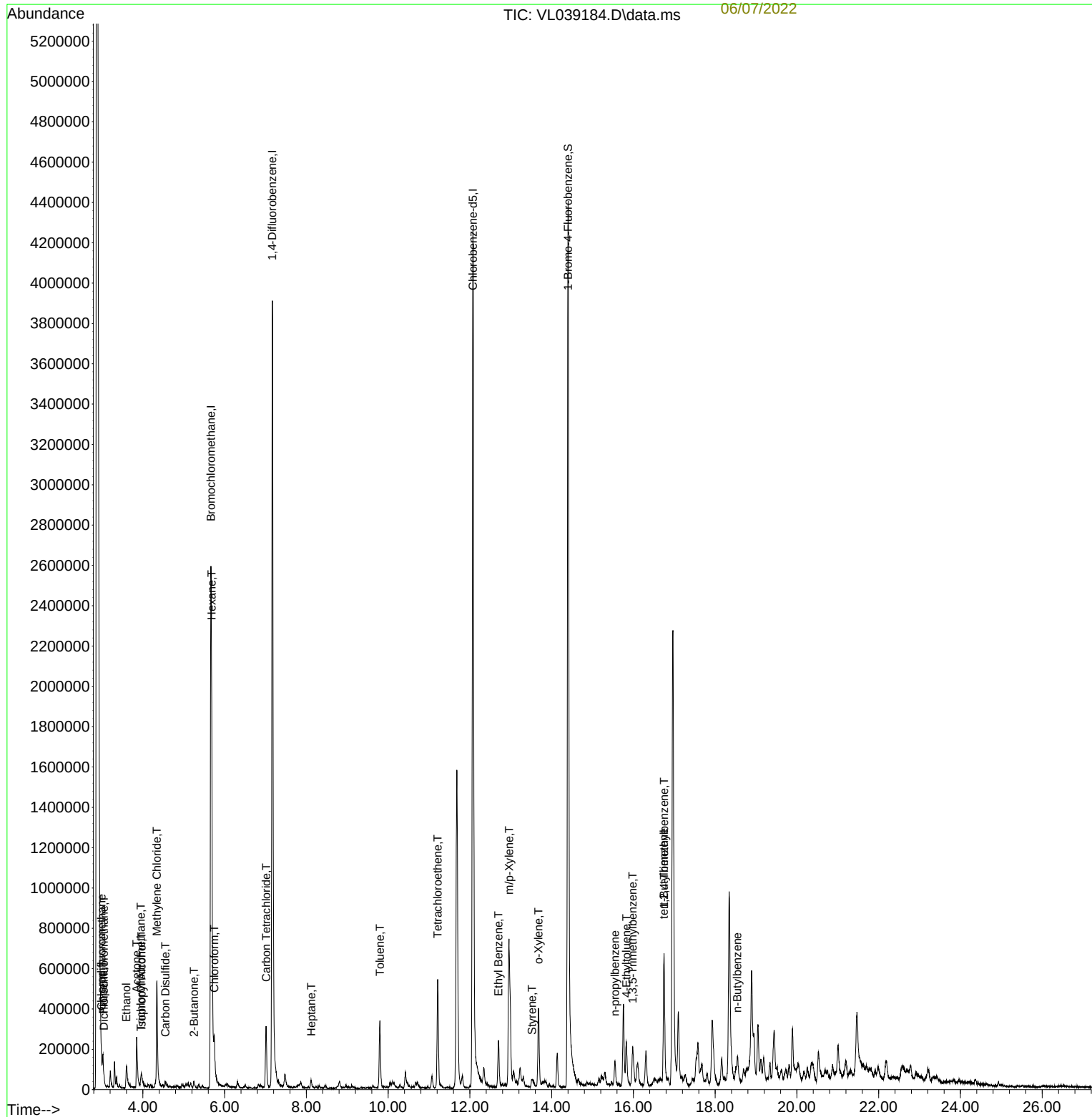
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
Data File : VL039184.D
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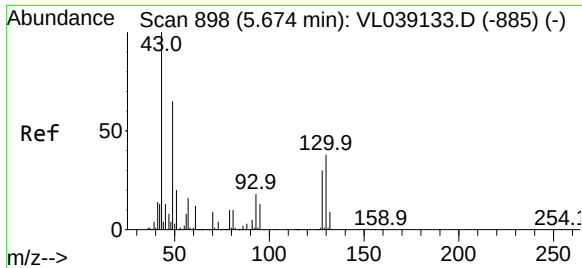
Instrument :
MSVOA_L
ClientSampleId :
SG-4

Quant Time: Jun 06 14:09:06 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
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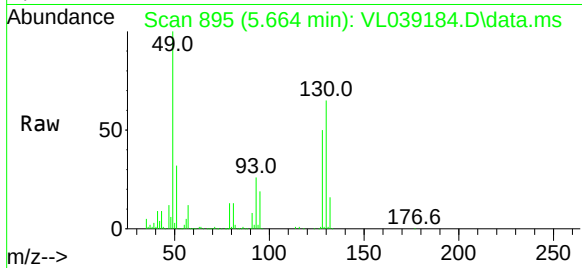
Reviewed By :Semsettin
Yesilyurt
06/07/2022
Supervised By :Mahesh
Dadoda
06/07/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.664 min Scan# 895
Delta R.T. -0.010 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

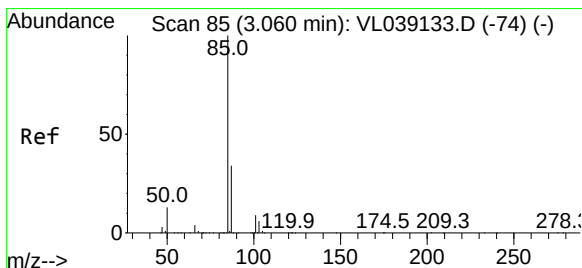
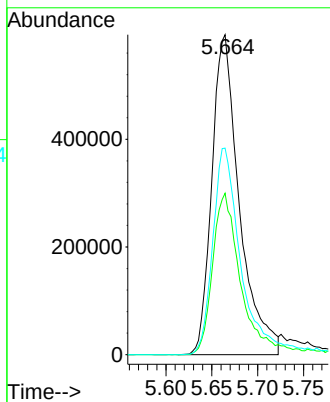
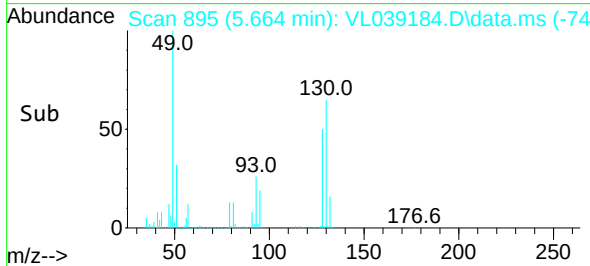
Instrument : MSVOA_L
ClientSampleId : SG-4



Tgt Ion: 49 Resp: 1240998
Ion Ratio Lower Upper
49 100
128 54.2 24.7 74.1
130 68.3 31.4 94.0

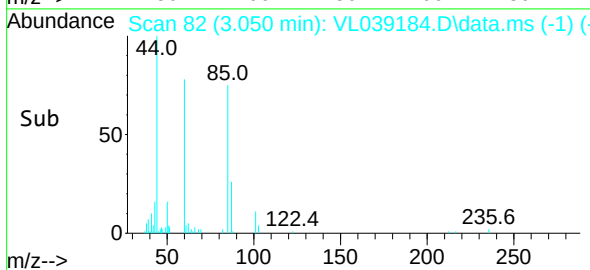
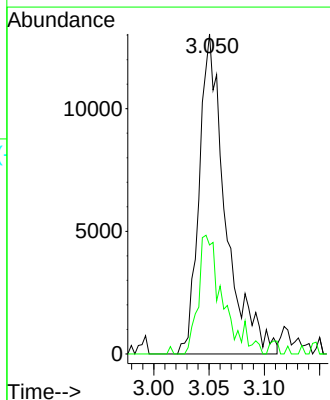
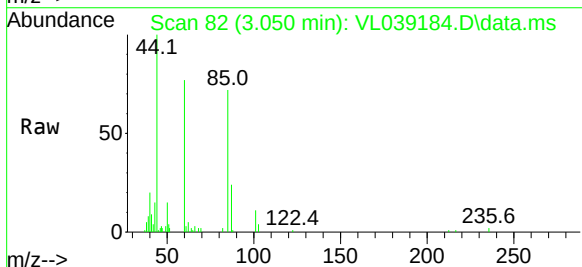
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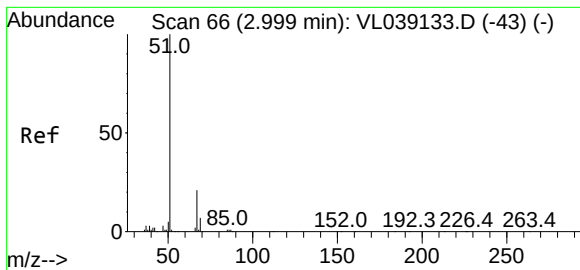
Reviewed By :Semsettin
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Supervised By :Mahesh
Dadoda
06/07/2022



#2
Dichlorodifluoromethane
Concen: 0.099 ppbv m
RT: 3.050 min Scan# 82
Delta R.T. -0.010 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

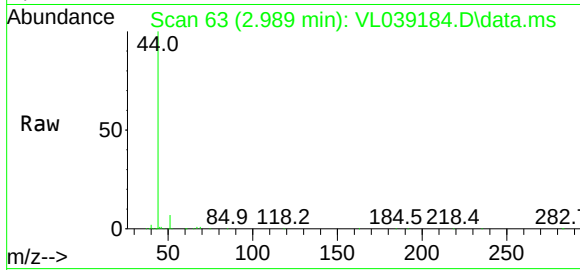
Tgt Ion: 85 Resp: 21622
Ion Ratio Lower Upper
85 100
87 34.1 26.9 40.3





#3
Chlorodifluoromethane
Concen: 0.135 ppbv
RT: 2.989 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

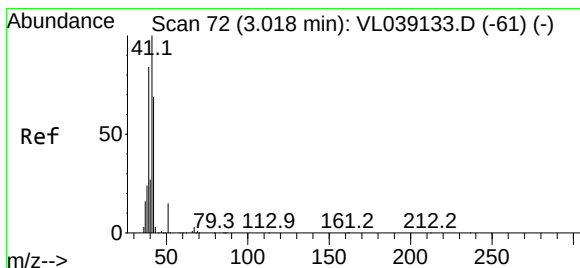
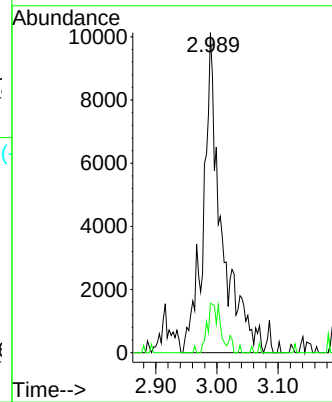
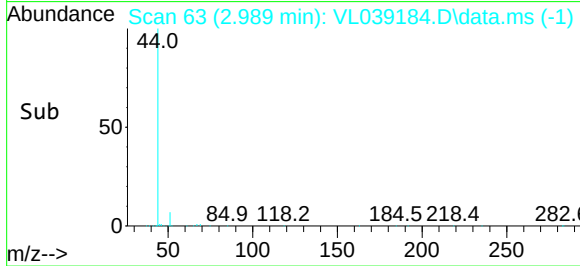
Instrument :
MSVOA_L
ClientSampleId :
SG-4



Tgt Ion: 51 Resp: 21250
Ion Ratio Lower Upper
51 100
67 11.7 16.2 24.4

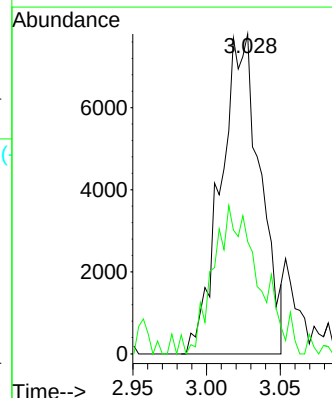
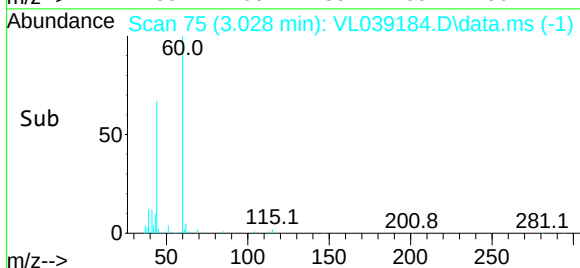
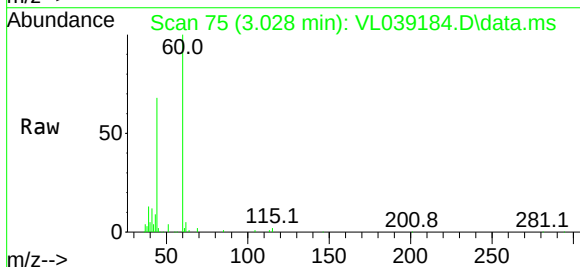
Manual Integrations
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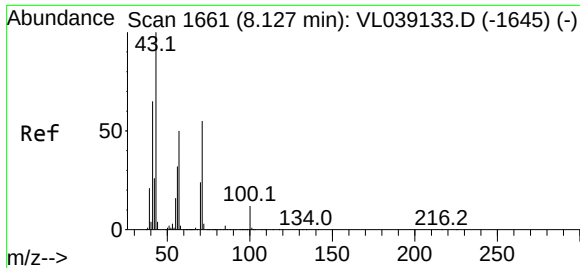
Reviewed By :Semsettin
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Supervised By :Mahesh
Dadoda
06/07/2022



#9
Propene
Concen: 0.212 ppbv m
RT: 3.028 min Scan# 75
Delta R.T. 0.010 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

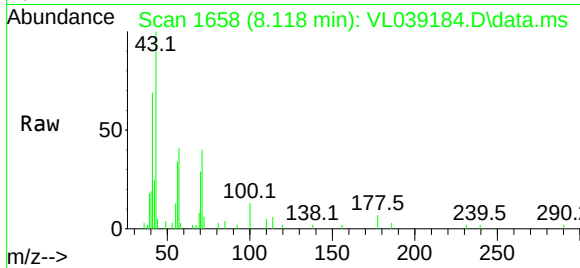
Tgt Ion: 41 Resp: 14601
Ion Ratio Lower Upper
41 100
42 55.7 55.4 83.2





#10
Heptane
Concen: 0.112 ppbv m
RT: 8.118 min Scan# 1658
Delta R.T. -0.010 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

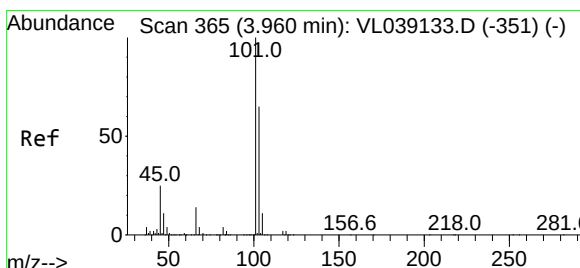
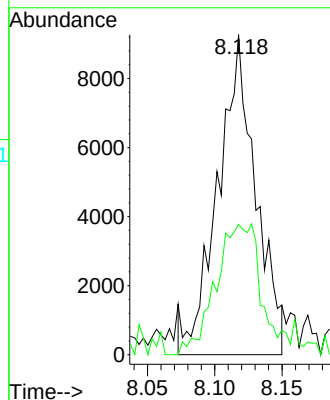
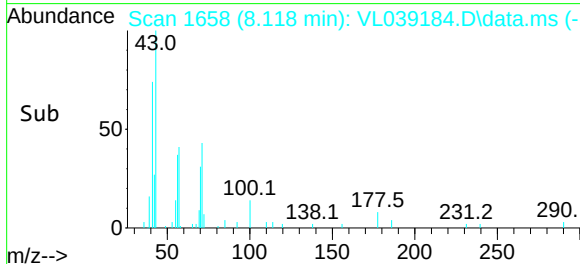
Instrument :
MSVOA_L
ClientSampleId :
SG-4



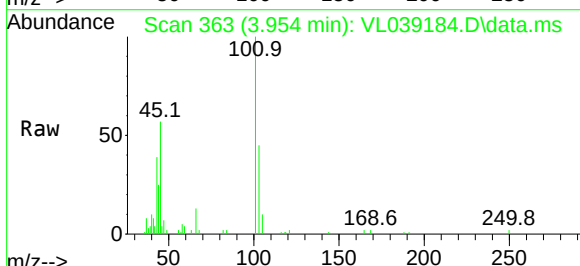
Tgt Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
57 0.0 41.4 62.2

Manual Integrations
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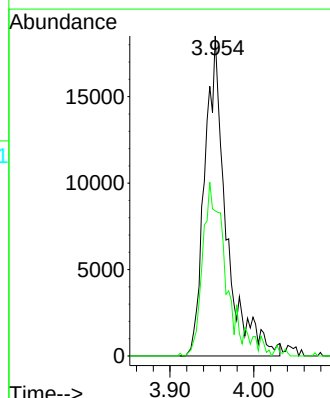
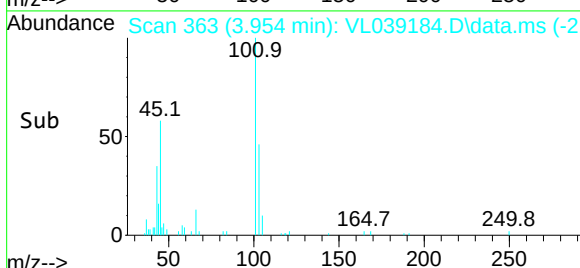
Reviewed By :Semsettin
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06/07/2022
Supervised By :Mahesh
Dadoda
06/07/2022

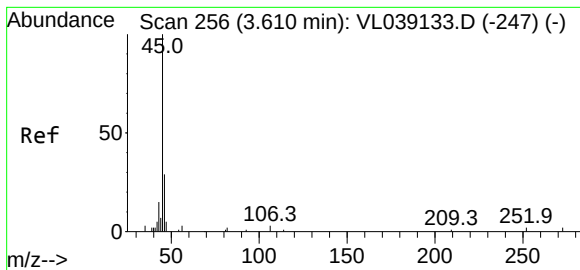


#11
Trichlorofluoromethane
Concen: 0.167 ppbv m
RT: 3.954 min Scan# 363
Delta R.T. -0.006 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34



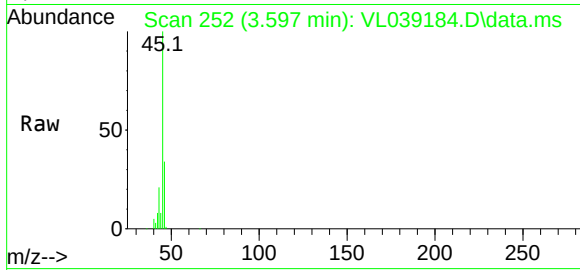
Tgt Ion:101 Resp: 32947
Ion Ratio Lower Upper
101 100
103 45.3 51.7 77.5





#13
Ethanol
Concen: 39.976 ppbv
RT: 3.597 min Scan# 210
Delta R.T. -0.013 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

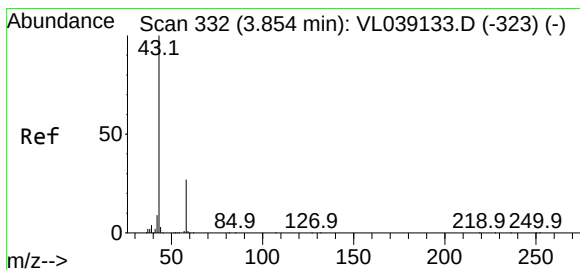
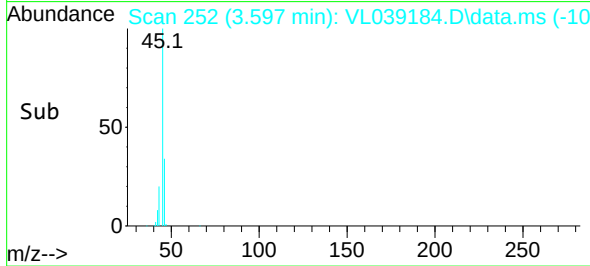
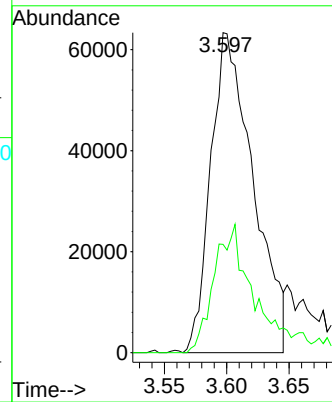
Instrument : MSVOA_L
ClientSampleId : SG-4



Tgt Ion: 45 Resp: 15010
Ion Ratio Lower Upper
45 100
46 42.3 0.0 0.0

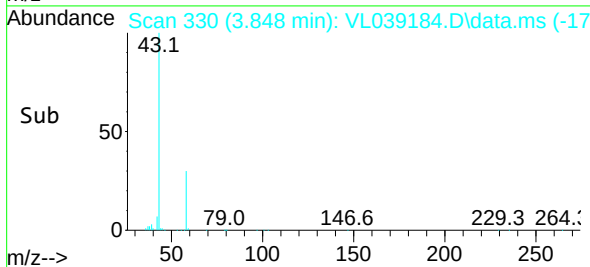
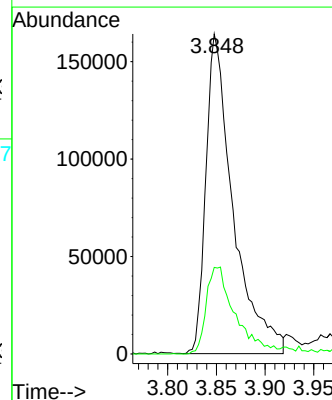
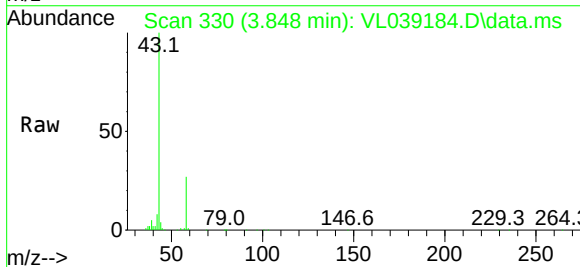
Manual Integrations
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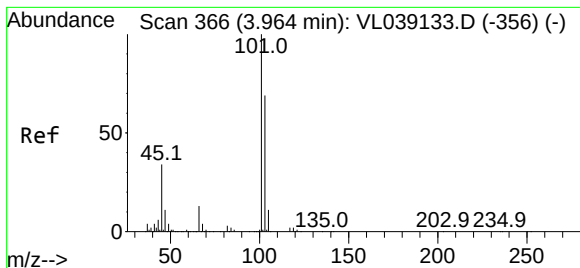
Reviewed By :Semsettin
Yesilyurt
06/07/2022
Supervised By :Mahesh
Dadoda
06/07/2022



#15
Acetone
Concen: 2.469 ppbv
RT: 3.848 min Scan# 330
Delta R.T. -0.006 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

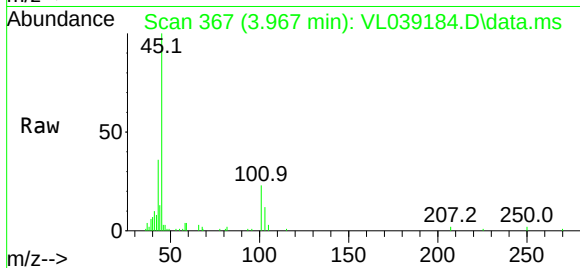
Tgt Ion: 43 Resp: 319191
Ion Ratio Lower Upper
43 100
58 30.1 22.5 33.7





#19
Isopropyl Alcohol
Concen: 0.987 ppbv m
RT: 3.967 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

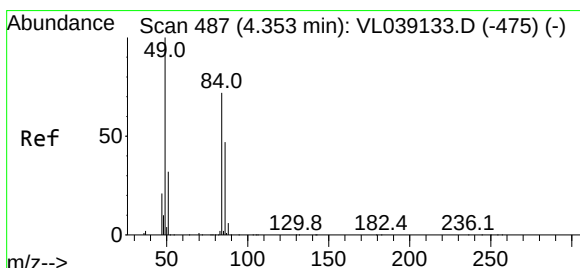
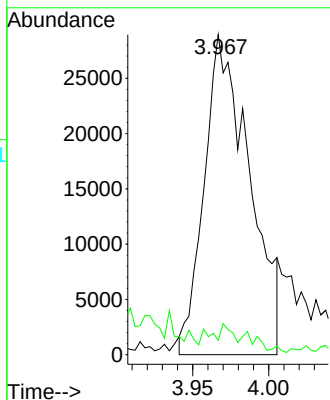
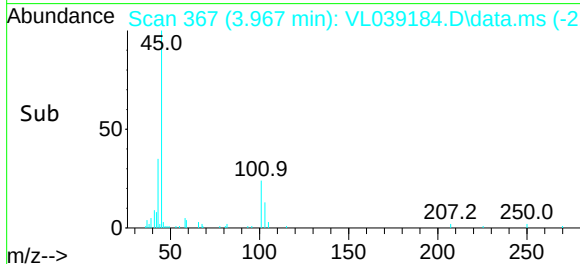
Instrument :
MSVOA_L
ClientSampleId :
SG-4



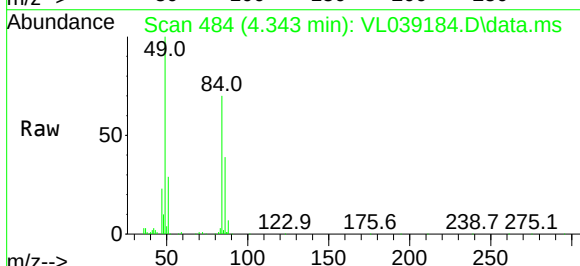
Tgt Ion: 45 Resp: 5985
Ion Ratio Lower Upper
45 100
58 6.4 1.8 2.8

Manual Integrations
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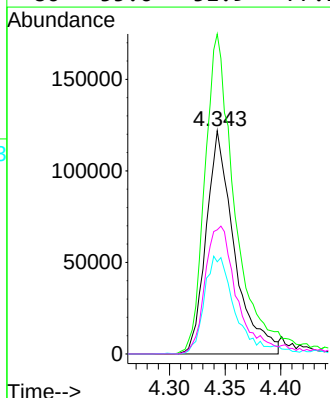
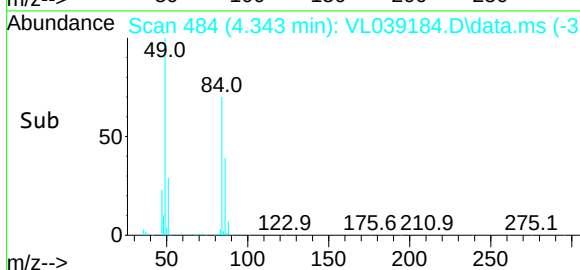
Reviewed By :Semsettin
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06/07/2022
Supervised By :Mahesh
Dadoda
06/07/2022

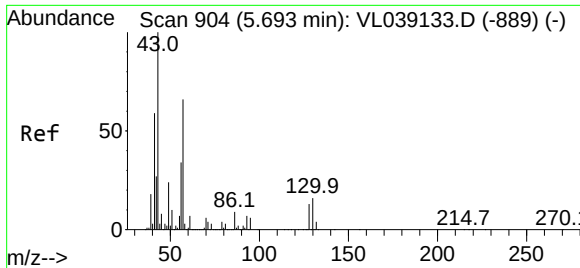


#20
Methylene Chloride
Concen: 3.937 ppbv
RT: 4.343 min Scan# 484
Delta R.T. -0.010 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34



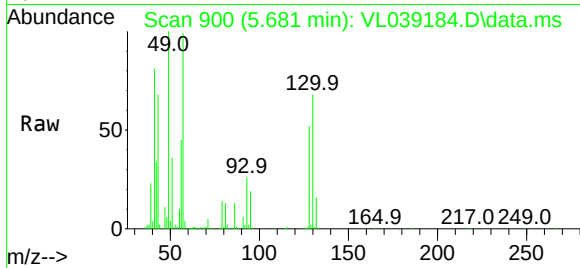
Tgt Ion: 84 Resp: 214501
Ion Ratio Lower Upper
84 100
49 142.9 111.1 166.7
51 41.3 35.3 52.9
86 55.6 51.9 77.9





#26
Hexane
Concen: 3.988 ppbv
RT: 5.681 min Scan# 904
Delta R.T. -0.013 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

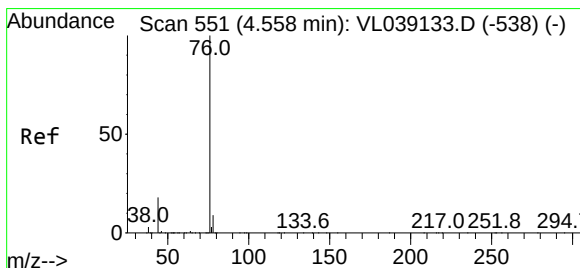
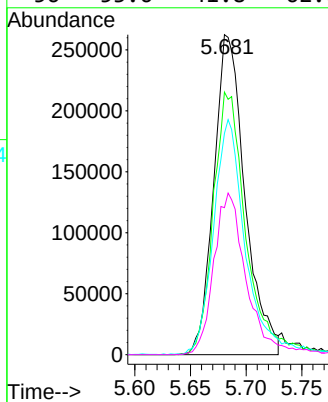
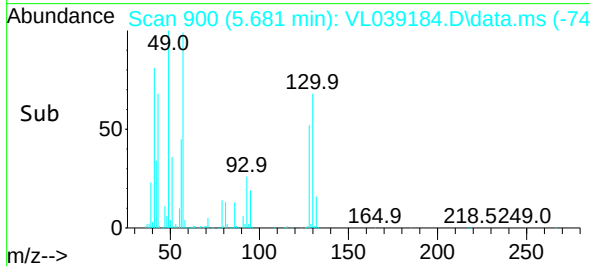
Instrument : MSVOA_L
ClientSampleId : SG-4



Tgt Ion: 57 Resp: 510629
Ion Ratio Lower Upper
57 100
41 87.4 72.4 108.6
43 77.0 187.0 280.6
56 53.6 41.8 62.6

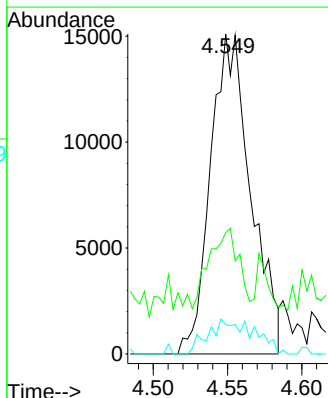
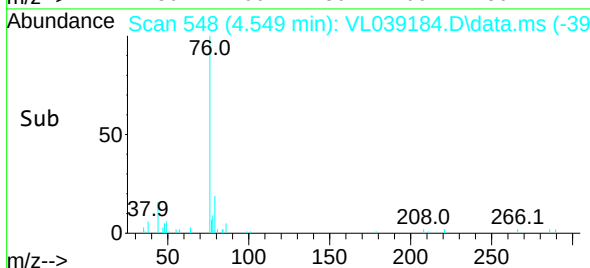
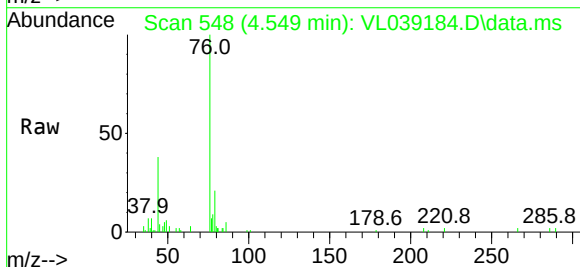
Manual Integrations
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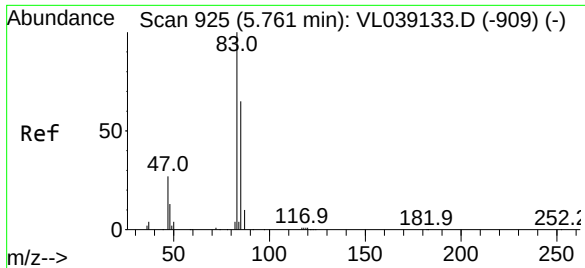
Reviewed By :Semsettin
Yesilyurt
06/07/2022
Supervised By :Mahesh
Dadoda
06/07/2022



#27
Carbon Disulfide
Concen: 0.215 ppbv
RT: 4.549 min Scan# 548
Delta R.T. -0.010 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

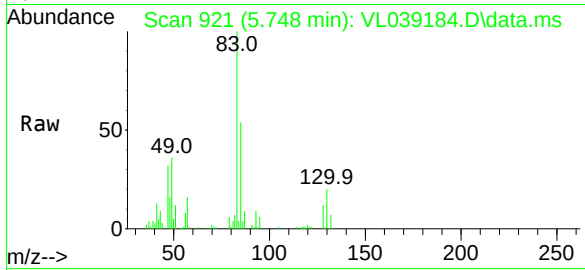
Tgt Ion: 76 Resp: 28508
Ion Ratio Lower Upper
76 100
44 27.7 14.4 21.6#
78 12.7 7.7 11.5#





#29
Chloroform
Concen: 0.547 ppbv
RT: 5.748 min Scan# 91
Delta R.T. -0.013 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

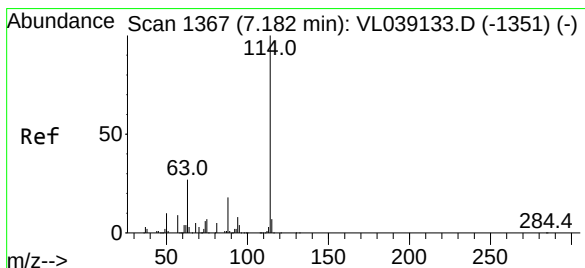
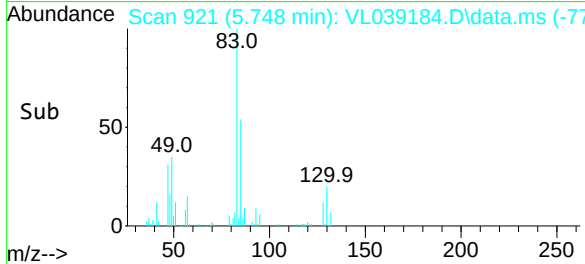
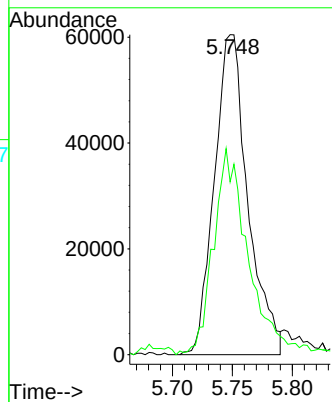
Instrument :
MSVOA_L
ClientSampleId :
SG-4



Tgt Ion: 83 Resp: 117759
Ion Ratio Lower Upper
83 100
85 52.8 52.4 78.6

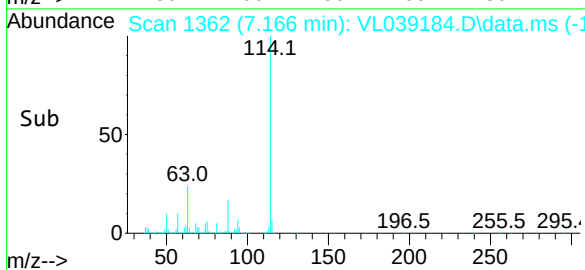
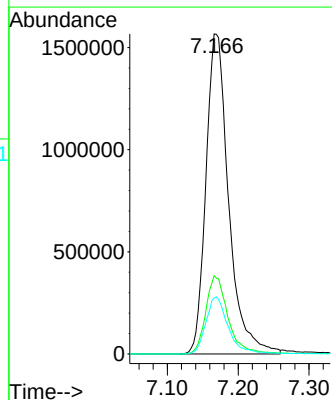
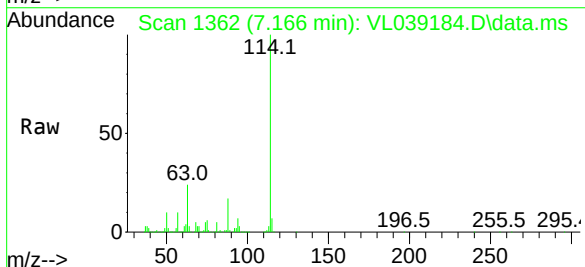
Manual Integrations
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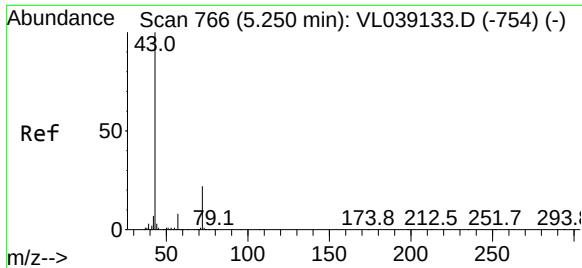
Reviewed By :Semsettin
Yesilyurt
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 1362
Delta R.T. -0.016 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

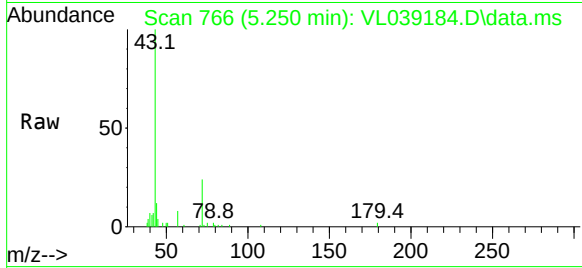
Tgt Ion:114 Resp: 3487514
Ion Ratio Lower Upper
114 100
63 24.3 21.7 32.5
88 17.8 14.8 22.2





#34
2-Butanone
Concen: 0.238 ppbv
RT: 5.250 min Scan# 766
Delta R.T. -0.000 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

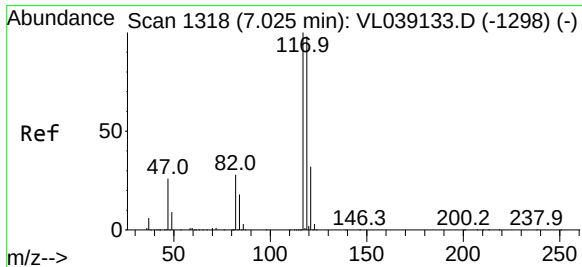
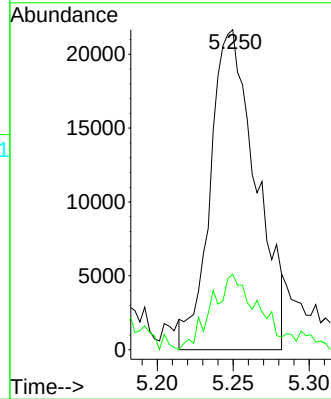
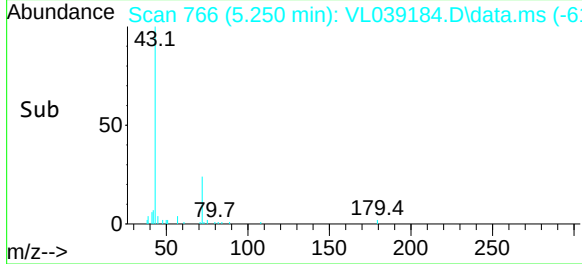
Instrument :
MSVOA_L
ClientSampleId :
SG-4



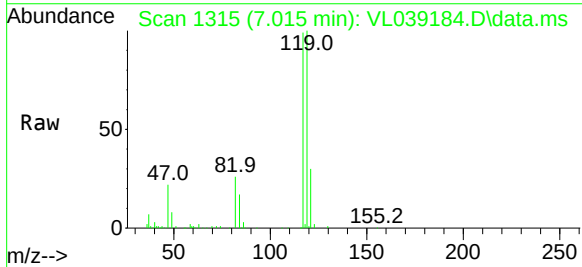
Tgt Ion: 43 Resp: 45132
Ion Ratio Lower Upper
43 100
72 28.1 18.2 27.2

Manual Integrations
APPROVED

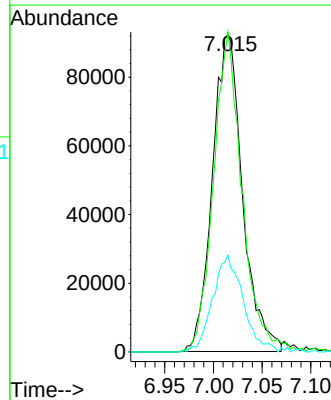
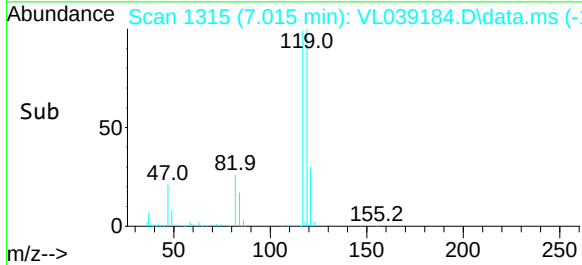
Reviewed By :Semsettin
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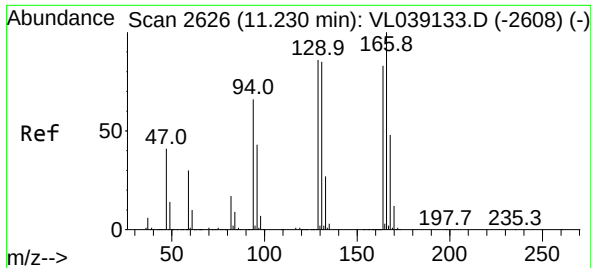


#35
Carbon Tetrachloride
Concen: 0.780 ppbv
RT: 7.015 min Scan# 1315
Delta R.T. -0.010 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34



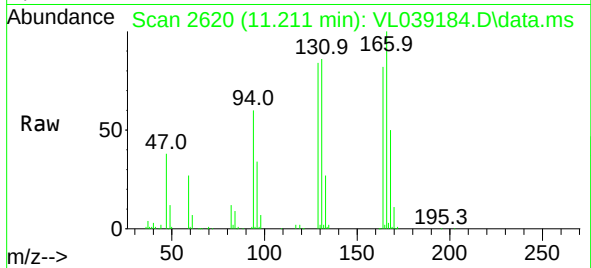
Tgt Ion:117 Resp: 198607
Ion Ratio Lower Upper
117 100
119 100.6 78.6 118.0
121 30.5 25.4 38.0





#52
Tetrachloroethene
Concen: 1.283 ppbv m
RT: 11.211 min Scan# 2111
Delta R.T. -0.019 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

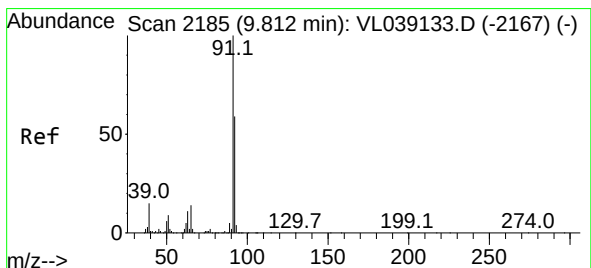
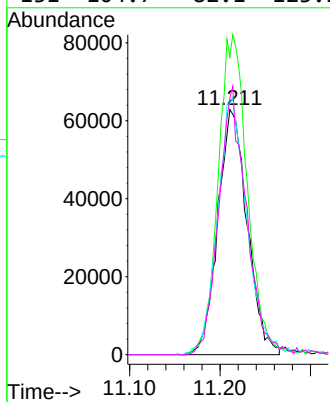
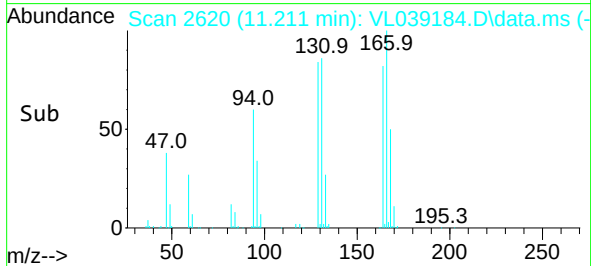
Instrument :
MSVOA_L
ClientSampleId :
SG-4



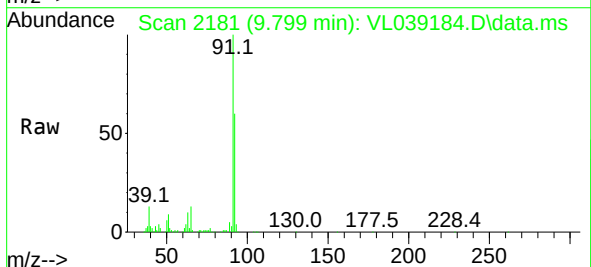
Tgt Ion:164 Resp: 141840
Ion Ratio Lower Upper
164 100
166 121.6 96.3 144.5
129 102.3 82.5 123.7
131 104.7 82.1 123.1

Manual Integrations
APPROVED

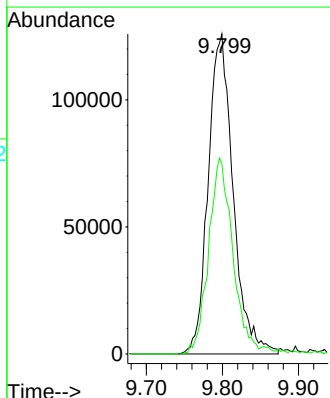
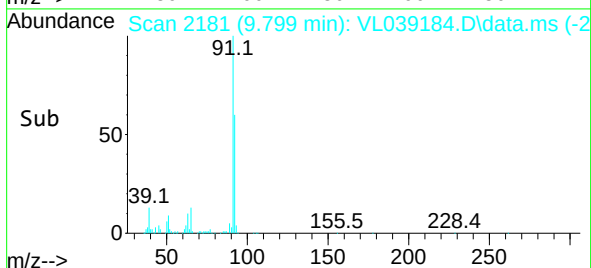
Reviewed By :Semsettin
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Supervised By :Mahesh
Dadoda
06/07/2022

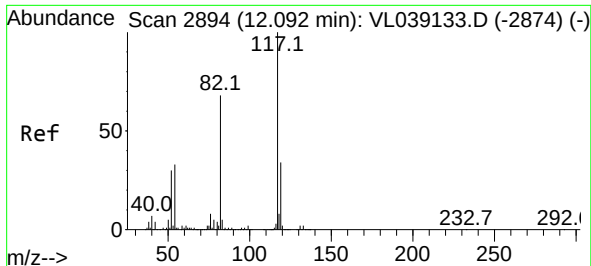


#53
Toluene
Concen: 0.879 ppbv
RT: 9.799 min Scan# 2181
Delta R.T. -0.013 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34



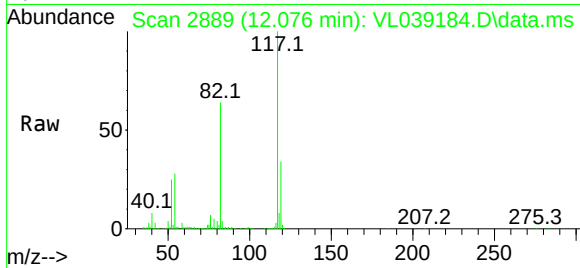
Tgt Ion: 91 Resp: 286502
Ion Ratio Lower Upper
91 100
92 60.8 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2889
Delta R.T. -0.016 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

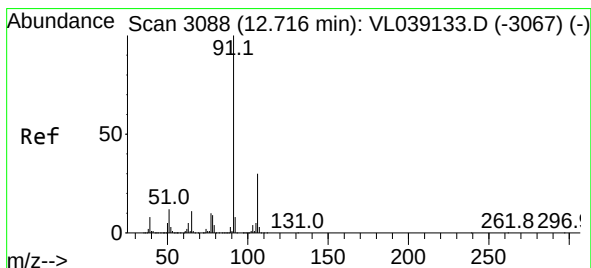
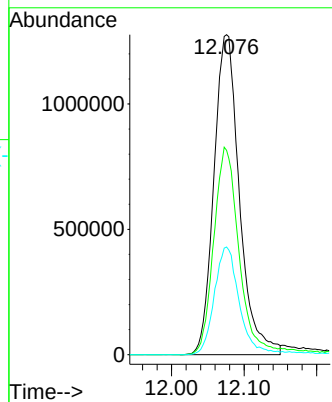
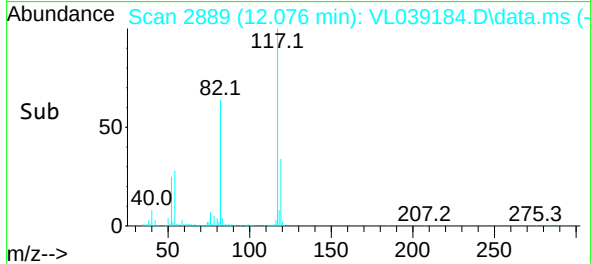
Instrument :
MSVOA_L
ClientSampleId :
SG-4



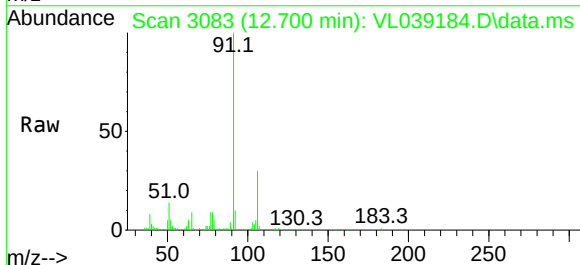
Tgt Ion: 117 Resp: 312299
Ion Ratio Lower Upper
117 100
82 66.5 55.1 82.7
119 34.2 24.7 37.1

Manual Integrations
APPROVED

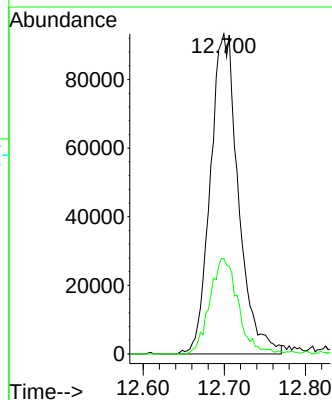
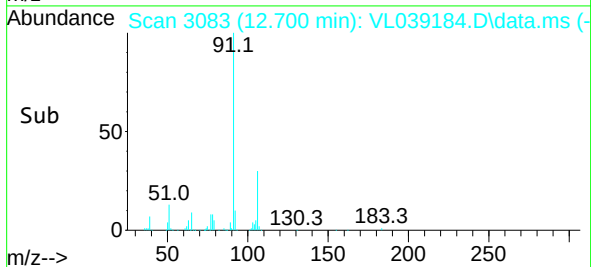
Reviewed By :Semsettin
Yesilyurt
06/07/2022
Supervised By :Mahesh
Dadoda
06/07/2022

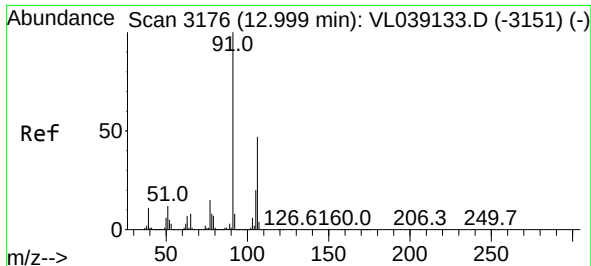


#58
Ethyl Benzene
Concen: 0.521 ppbv m
RT: 12.700 min Scan# 3083
Delta R.T. -0.016 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34



Tgt Ion: 91 Resp: 224262
Ion Ratio Lower Upper
91 100
106 29.8 24.2 36.4





#59

m/p-Xylene

Concen: 2.286 ppbv

RT: 12.957 min Scan# 3176

Delta R.T. -0.042 min

Lab File: VL039184.D

Acq: 6 Jun 2022 13:34

Instrument :

MSVOA_L

ClientSampleId :

SG-4

Tgt Ion: 91 Resp: 86586

Ion Ratio Lower Upper

91 100

106 47.9 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Semsettin

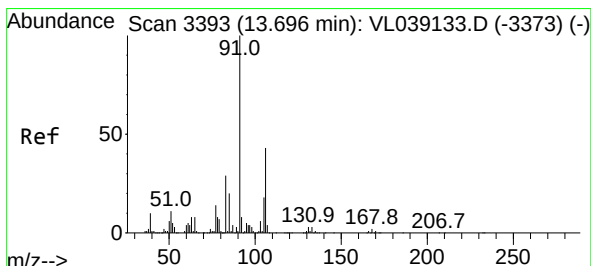
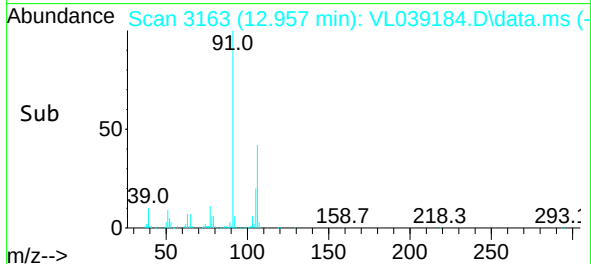
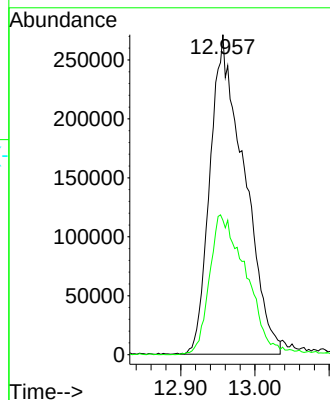
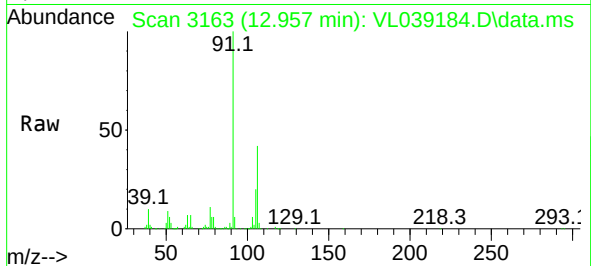
Yesilyurt

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Supervised By :Mahesh

Dadoda

06/07/2022



#60

o-Xylene

Concen: 0.895 ppbv

RT: 13.677 min Scan# 3387

Delta R.T. -0.019 min

Lab File: VL039184.D

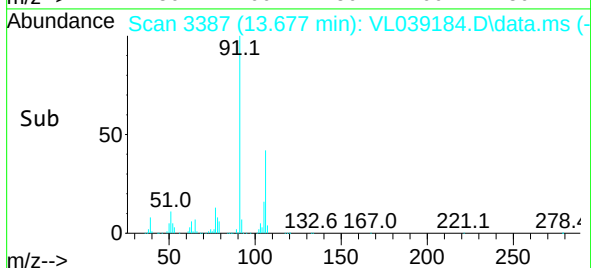
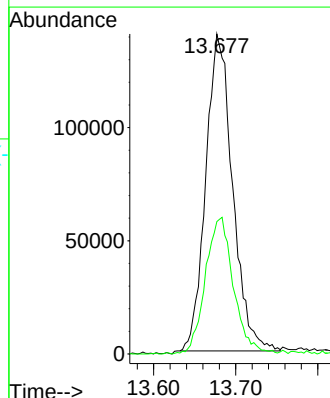
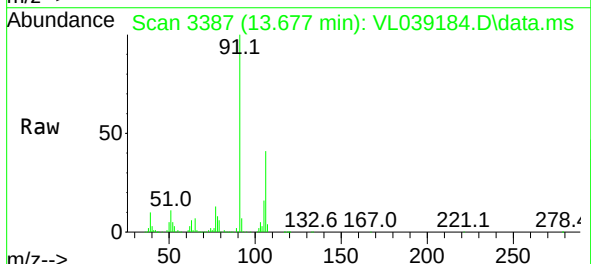
Acq: 6 Jun 2022 13:34

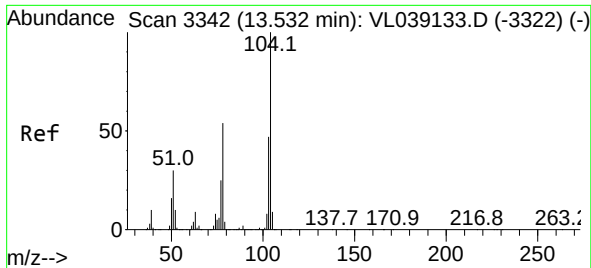
Tgt Ion: 91 Resp: 318503

Ion Ratio Lower Upper

91 100

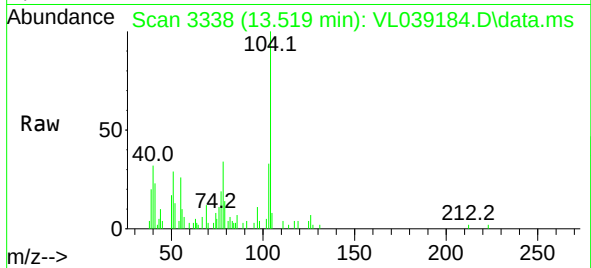
106 45.0 22.3 66.9





#61
Styrene
Concen: 0.096 ppbv m
RT: 13.519 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

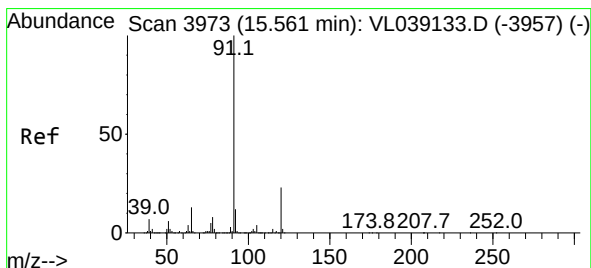
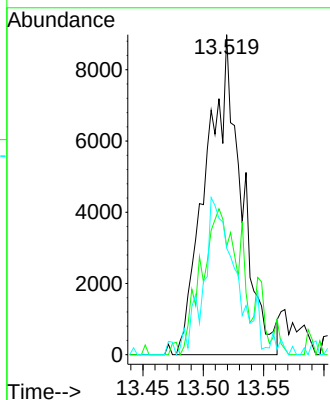
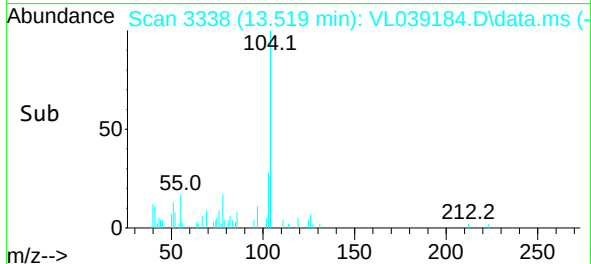
Instrument :
MSVOA_L
ClientSampleId :
SG-4



Tgt Ion:104 Resp: 1824
Ion Ratio Lower Upper
104 100
78 56.7 45.7 68.5
103 47.7 39.6 59.4

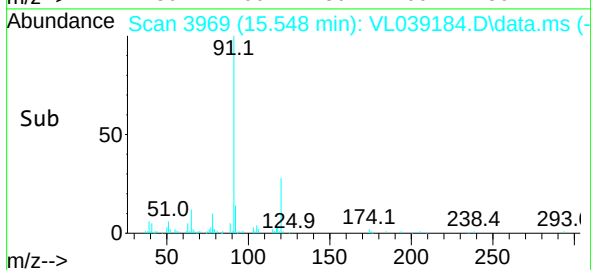
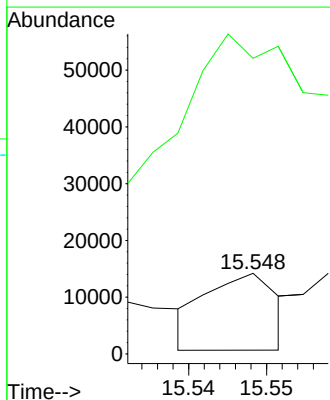
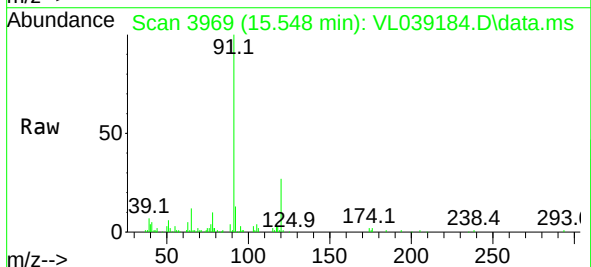
Manual Integrations
APPROVED

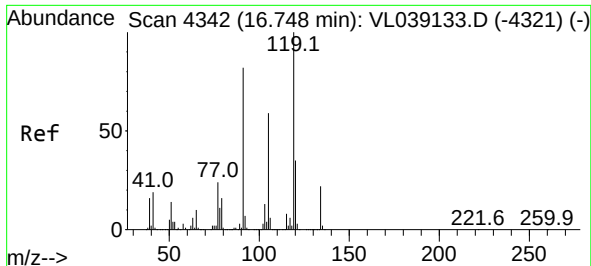
Reviewed By :Semsettin
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06/07/2022
Supervised By :Mahesh
Dadoda
06/07/2022



#64
n-propylbenzene
Concen: 0.066 ppbv
RT: 15.548 min Scan# 3969
Delta R.T. -0.013 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

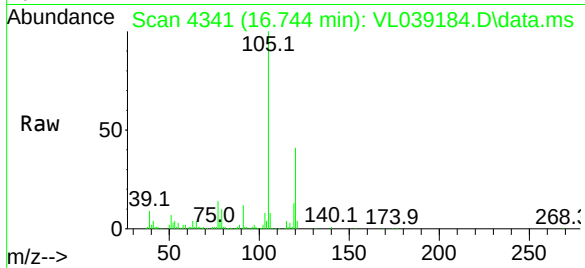
Tgt Ion:120 Resp: 8604
Ion Ratio Lower Upper
120 100
91 1494.5 388.4 582.6#





#65
tert-Butylbenzene
Concen: 0.130 ppbv m
RT: 16.744 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

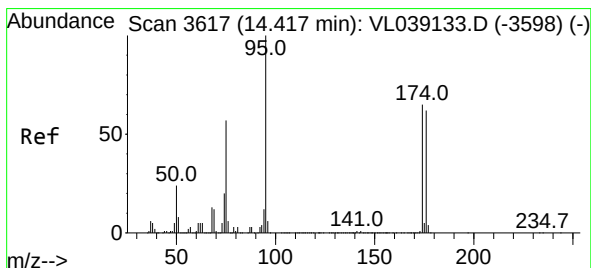
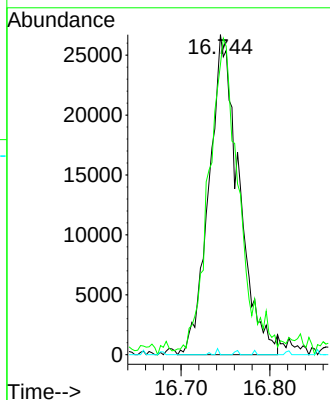
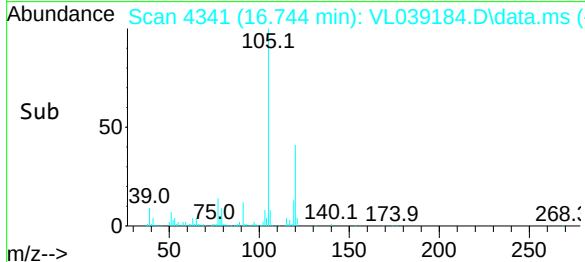
Instrument :
MSVOA_L
ClientSampleId :
SG-4



Tgt Ion: 119 Resp: 6282
Ion Ratio Lower Upper
119 100
91 96.7 67.1 100.7
134 0.0 15.8 23.8

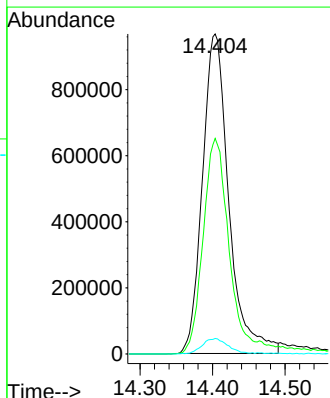
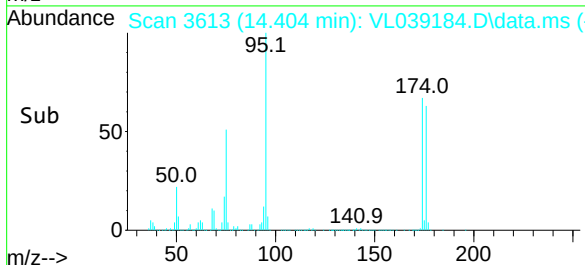
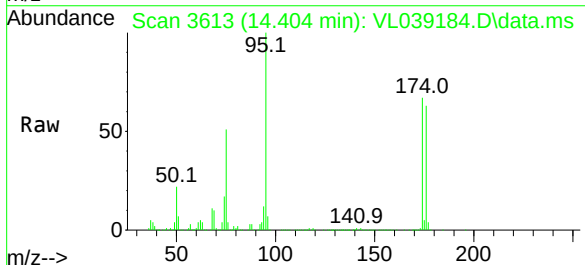
Manual Integrations
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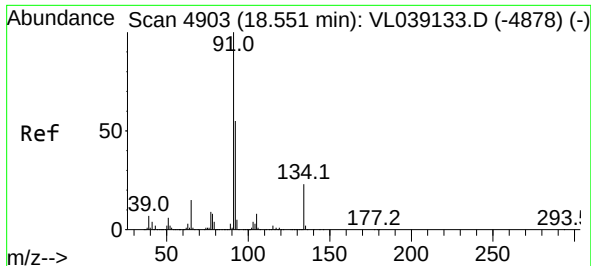
Reviewed By :Semsettin
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06/07/2022
Supervised By :Mahesh
Dadoda
06/07/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.467 ppbv
RT: 14.404 min Scan# 3613
Delta R.T. -0.013 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

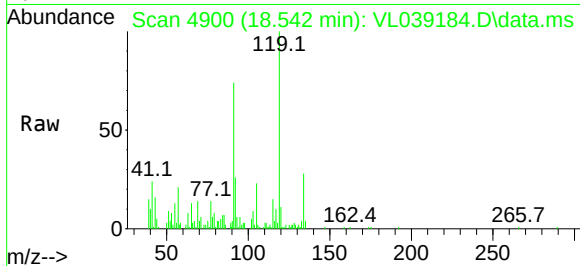
Tgt Ion: 95 Resp: 2444398
Ion Ratio Lower Upper
95 100
174 70.9 53.8 80.8
175 4.8 4.1 6.1





#70
n-Butylbenzene
Concen: 0.099 ppbv m
RT: 18.542 min Scan# 4903
Delta R.T. -0.010 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

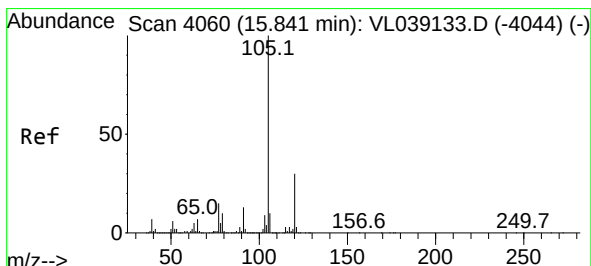
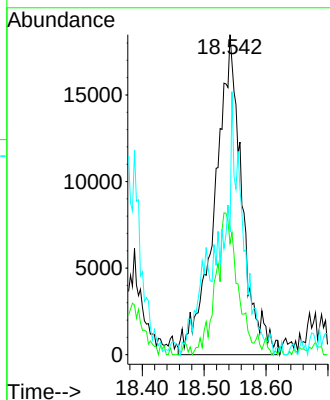
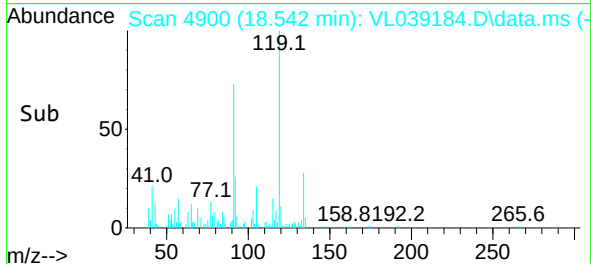
Instrument :
MSVOA_L
ClientSampleId :
SG-4



Tgt Ion: 91 Resp: 56864
Ion Ratio Lower Upper
91 100
92 37.5 43.6 65.4#
134 0.0 17.7 26.5#

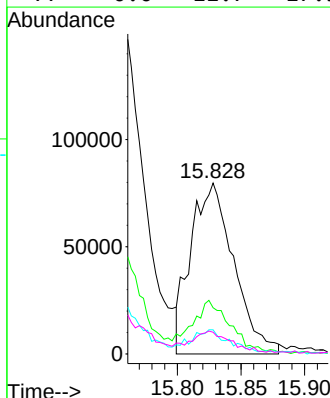
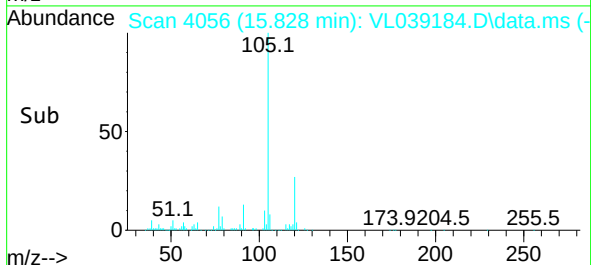
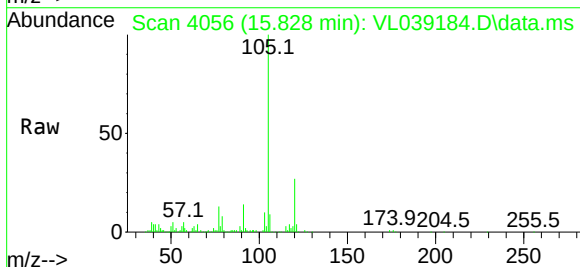
Manual Integrations
APPROVED

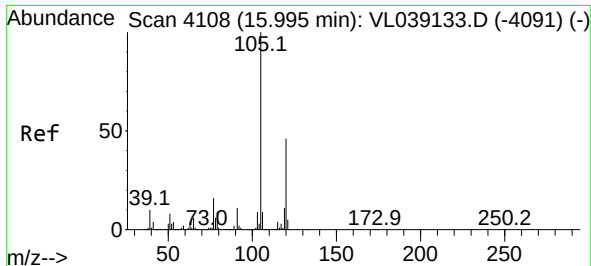
Reviewed By :Semsettin
Yesilyurt
06/07/2022
Supervised By :Mahesh
Dadoda
06/07/2022



#72
4-Ethyltoluene
Concen: 0.450 ppbv m
RT: 15.828 min Scan# 4056
Delta R.T. -0.013 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

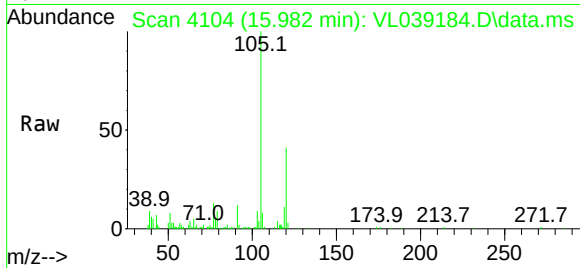
Tgt Ion:105 Resp: 187773
Ion Ratio Lower Upper
105 100
120 0.0 23.9 35.9#
91 0.0 10.6 16.0#
77 0.0 11.7 17.5#





#73
1,3,5-Trimethylbenzene
Concen: 0.365 ppbv
RT: 15.982 min Scan# 4108
Delta R.T. -0.013 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

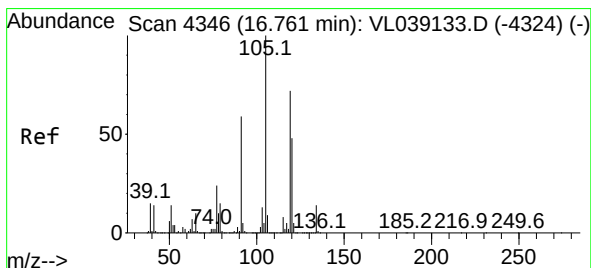
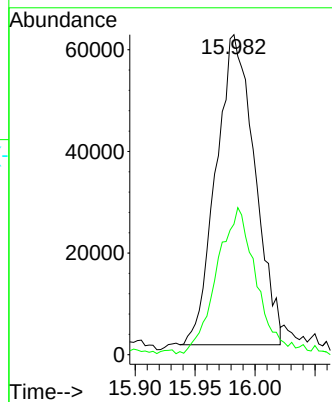
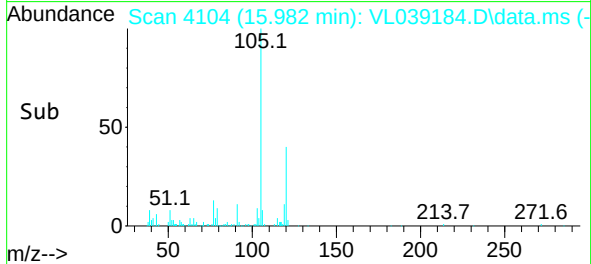
Instrument :
MSVOA_L
ClientSampleId :
SG-4



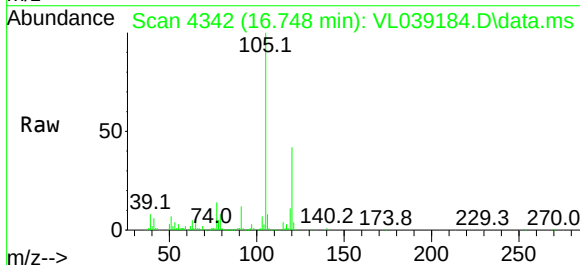
Tgt Ion:105 Resp: 13718
Ion Ratio Lower Upper
105 100
120 41.1 36.7 55.1

Manual Integrations
APPROVED

Reviewed By :Semsettin
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06/07/2022
Supervised By :Mahesh
Dadoda
06/07/2022



#74
1,2,4-Trimethylbenzene
Concen: 1.253 ppbv
RT: 16.748 min Scan# 4342
Delta R.T. -0.013 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34



Tgt Ion:105 Resp: 526220
Ion Ratio Lower Upper
105 100
120 42.2 38.1 57.1
91 12.0 47.4 71.0#
77 14.1 19.5 29.3#

