

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061322\
 Data File : VL039271.D
 Acq On : 14 Jun 2022 4:01
 Operator : SY/AP
 Sample : N3326-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022
 Supervised By :Mahesh Dadoda 06/16/2022

Quant Time: Jun 14 08:09:42 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	5.674	49	1032998	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	2229533	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	1843805	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.416	95	1694853	11.119	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.057	85	36976	0.204	ppbv	97
3) Chlorodifluoromethane	2.996	51	83222	0.633	ppbv #	84
4) Chloromethane	3.150	50	33160	0.491	ppbv #	86
9) Propene	3.031	41	168700	2.944	ppbv #	74
11) Trichlorofluoromethane	3.960	101	55128m	0.336	ppbv	
13) Ethanol	3.610	45	499298	159.749	ppbv #	100
15) Acetone	3.854	43	2162259	20.094	ppbv	91
17) tert-Butyl alcohol	4.311	59	20322m	0.243	ppbv	
19) Isopropyl Alcohol	3.976	45	1757833	34.829	ppbv #	99
20) Methylene Chloride	4.353	84	288409	6.360	ppbv	95
26) Hexane	5.693	57	203076	1.905	ppbv #	58
34) 2-Butanone	5.253	43	62692	0.518	ppbv	91
35) Carbon Tetrachloride	7.021	117	14136m	0.087	ppbv	
36) Benzene	6.896	78	62702m	0.346	ppbv	
44) 2,2,4-Trimethylpentane	7.877	57	71188m	0.225	ppbv	
52) Tetrachloroethene	11.224	164	63386	0.897	ppbv	97
53) Toluene	9.809	91	168421	0.808	ppbv	95
58) Ethyl Benzene	12.709	91	39544m	0.156	ppbv	
59) m/p-Xylene	12.970	91	94099m	0.421	ppbv	
60) o-Xylene	13.696	91	42198m	0.201	ppbv	
61) Styrene	13.539	104	18145m	0.161	ppbv	
74) 1,2,4-Trimethylbenzene	16.760	105	56626m	0.228	ppbv	

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

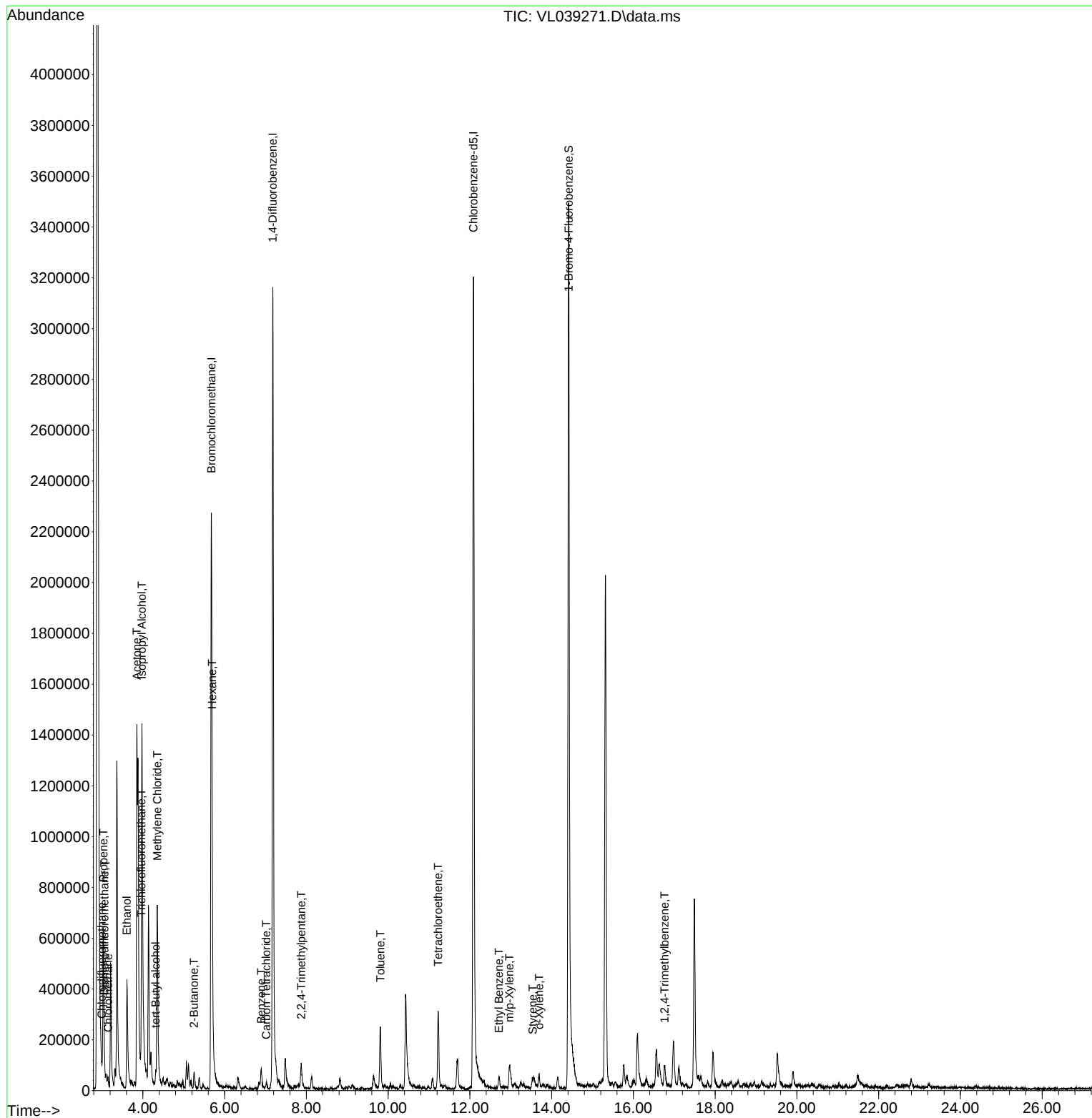
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061322\
Data File : VL039271.D
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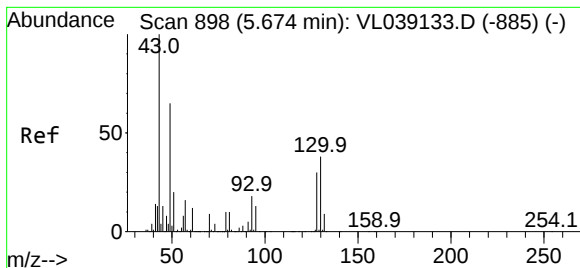
Instrument :
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ClientSampleId :
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Quant Time: Jun 14 08:09:42 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

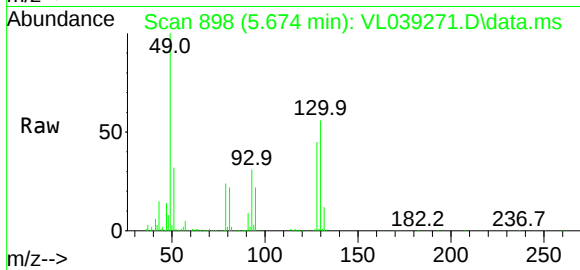
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.000 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

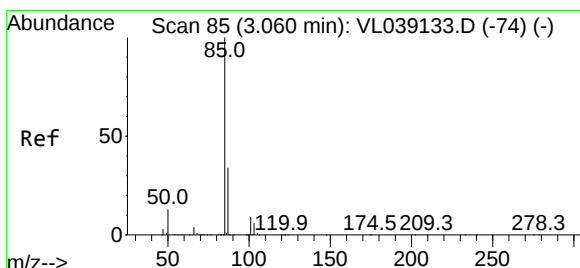
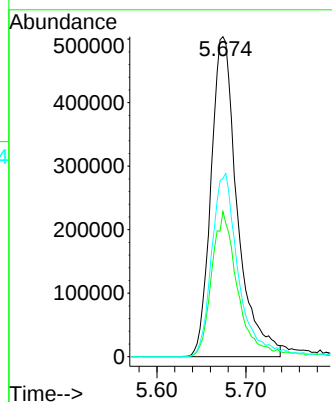
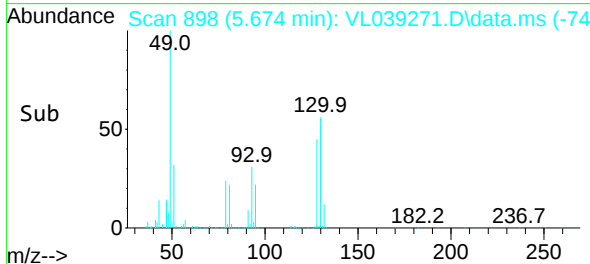
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 1032998
Ion Ratio Lower Upper
49 100
128 46.3 24.7 74.1
130 60.2 31.4 94.0

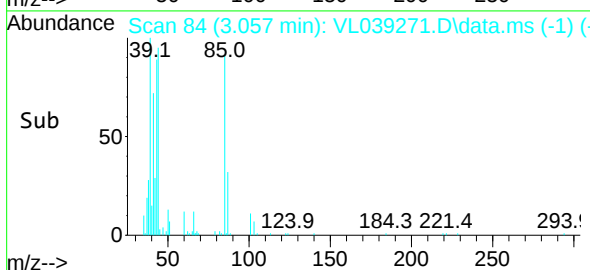
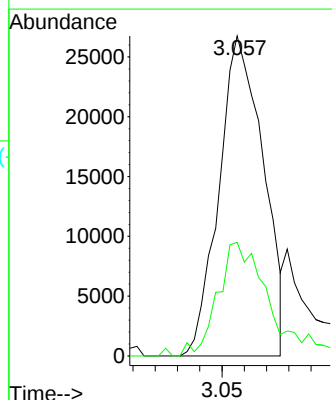
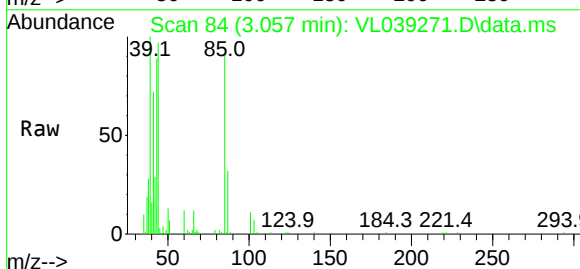
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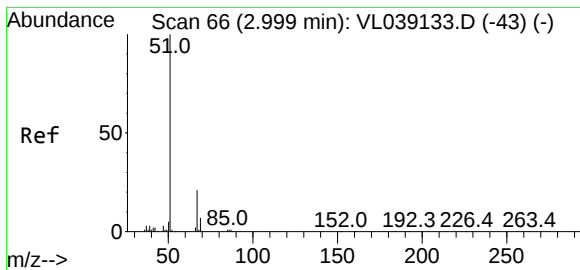
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#2
Dichlorodifluoromethane
Concen: 0.204 ppbv
RT: 3.057 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

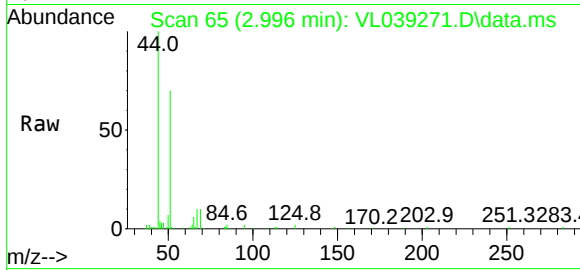
Tgt Ion: 85 Resp: 36976
Ion Ratio Lower Upper
85 100
87 35.5 26.9 40.3





#3
Chlorodifluoromethane
Concen: 0.633 ppbv
RT: 2.996 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

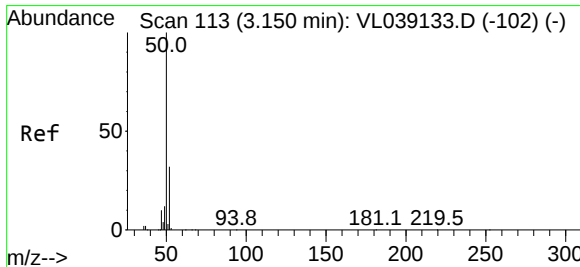
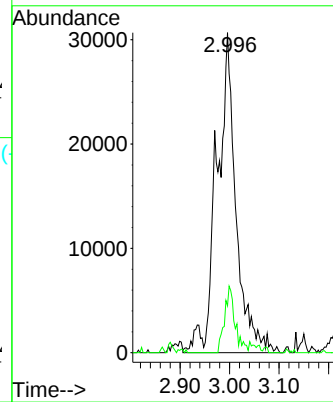
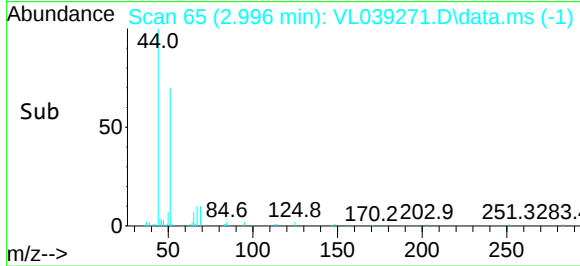
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 51 Resp: 8322
Ion Ratio Lower Upper
51 100
67 12.9 16.2 24.4

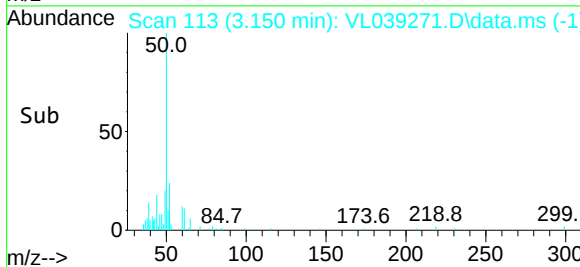
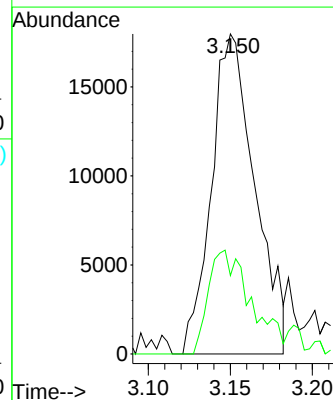
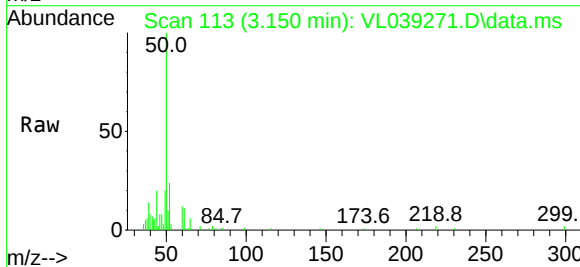
Manual Integrations
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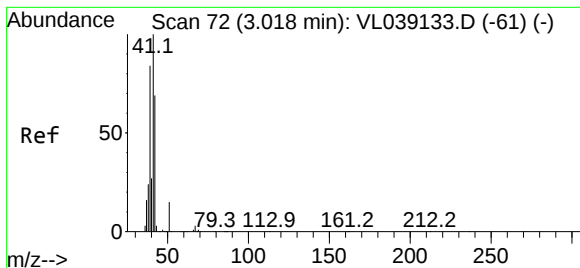
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#4
Chloromethane
Concen: 0.491 ppbv
RT: 3.150 min Scan# 113
Delta R.T. -0.000 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

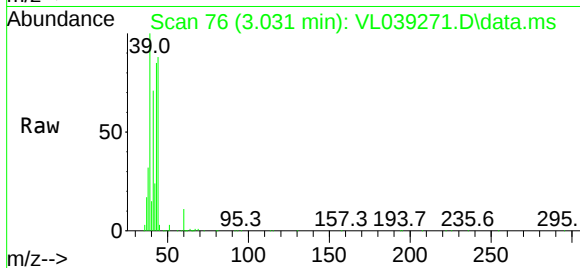
Tgt Ion: 50 Resp: 33160
Ion Ratio Lower Upper
50 100
52 24.5 25.9 38.9





#9
 Propene
 Concen: 2.944 ppbv
 RT: 3.031 min Scan# 70
 Delta R.T. 0.013 min
 Lab File: VL039271.D
 Acq: 14 Jun 2022 4:01

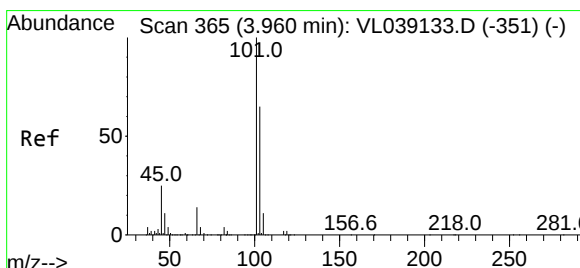
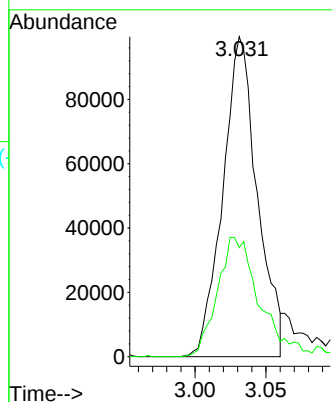
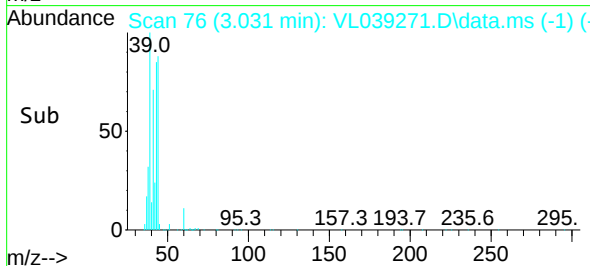
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 41 Resp: 168700
 Ion Ratio Lower Upper
 41 100
 42 48.0 55.4 83.2

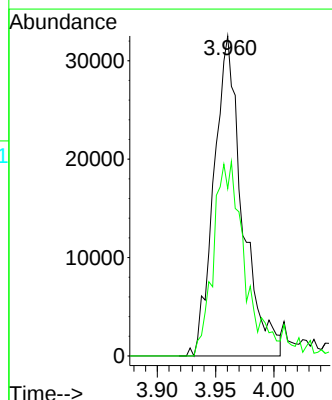
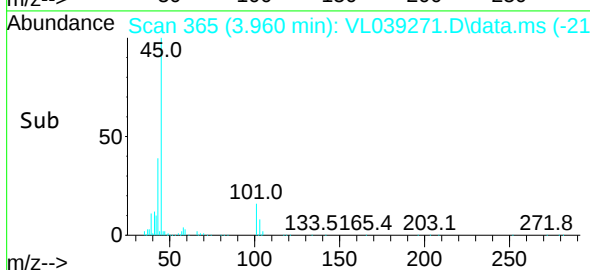
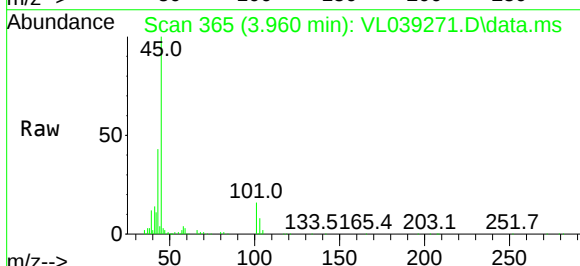
Manual Integrations
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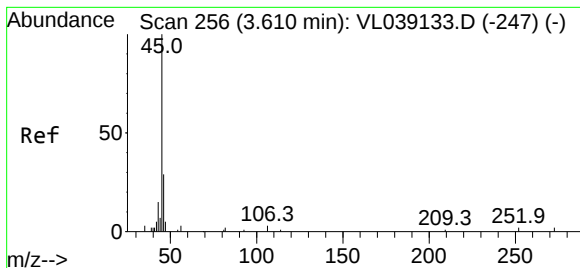
Reviewed By :Semsettin Yesilyurt 06/14/2022
 Supervised By :Mahesh Dadoda 06/16/2022



#11
 Trichlorofluoromethane
 Concen: 0.336 ppbv m
 RT: 3.960 min Scan# 365
 Delta R.T. -0.000 min
 Lab File: VL039271.D
 Acq: 14 Jun 2022 4:01

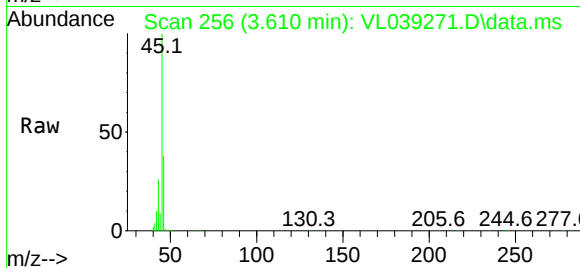
Tgt Ion:101 Resp: 55128
 Ion Ratio Lower Upper
 101 100
 103 52.3 51.7 77.5





#13
Ethanol
Concen: 159.749 ppbv
RT: 3.610 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

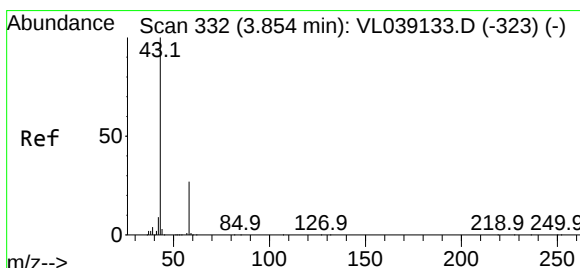
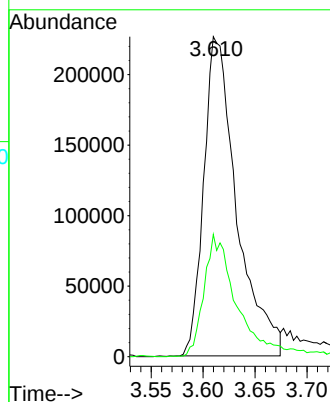
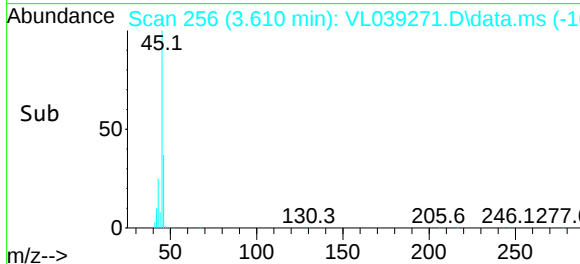
Instrument :
MSVOA_L
ClientSampleId :
OA1



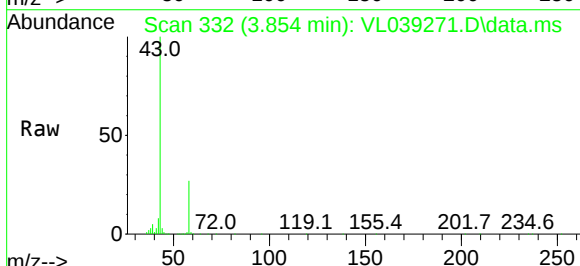
Tgt Ion: 45 Resp: 499298
Ion Ratio Lower Upper
45 100
46 39.7 0.0 0.0

Manual Integrations
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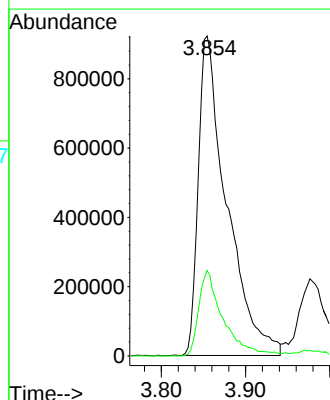
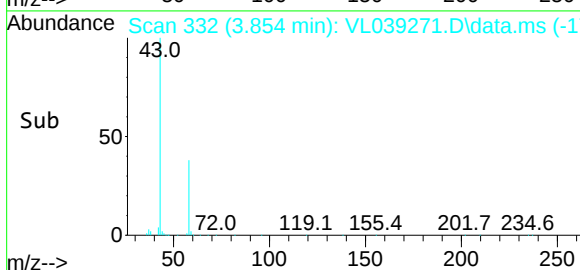
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

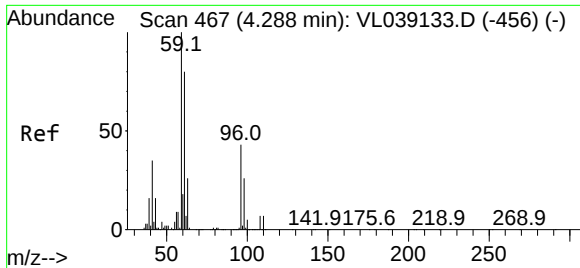


#15
Acetone
Concen: 20.094 ppbv
RT: 3.854 min Scan# 332
Delta R.T. -0.000 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01



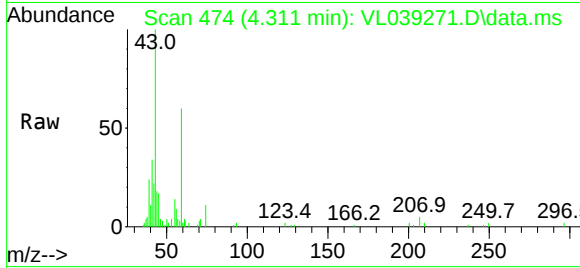
Tgt Ion: 43 Resp: 2162259
Ion Ratio Lower Upper
43 100
58 23.2 22.5 33.7





#17
tert-Butyl alcohol
Concen: 0.243 ppbv
RT: 4.311 min Scan# 41
Delta R.T. 0.022 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

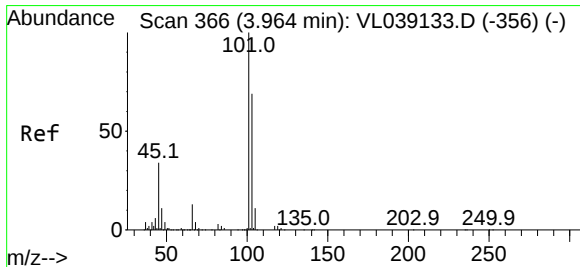
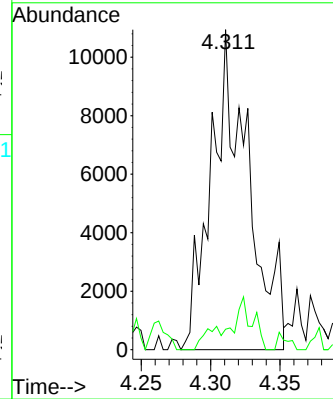
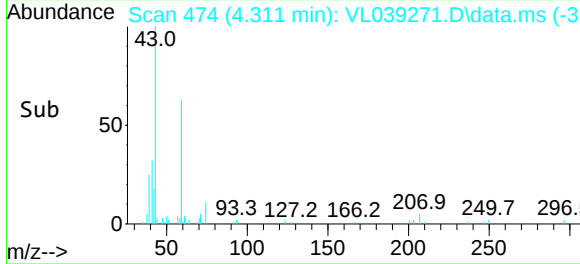
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 59 Resp: 2032
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7

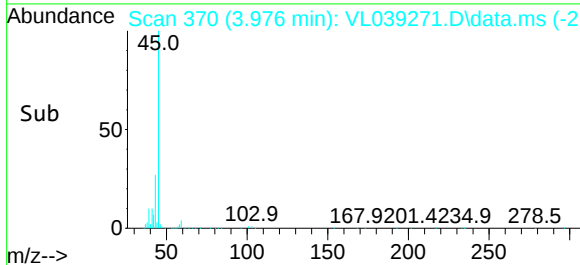
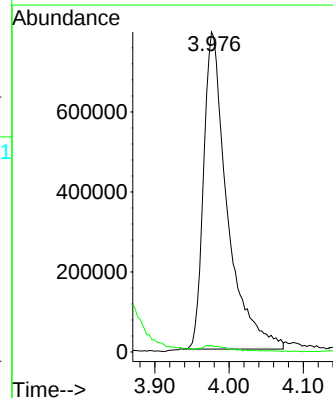
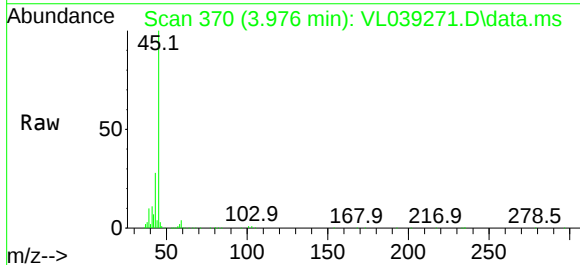
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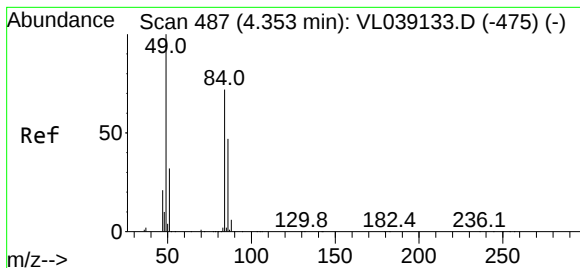
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#19
Isopropyl Alcohol
Concen: 34.829 ppbv
RT: 3.976 min Scan# 370
Delta R.T. 0.013 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

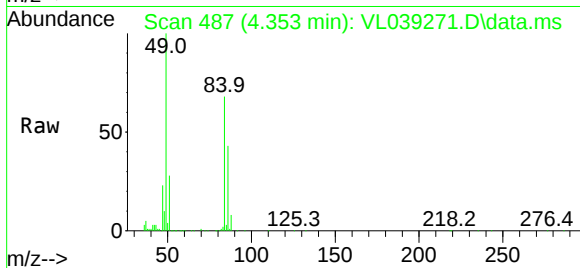
Tgt Ion: 45 Resp: 1757833
Ion Ratio Lower Upper
45 100
58 2.8 1.8 2.8





#20
Methylene Chloride
Concen: 6.360 ppbv
RT: 4.353 min Scan# 487
Delta R.T. -0.000 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

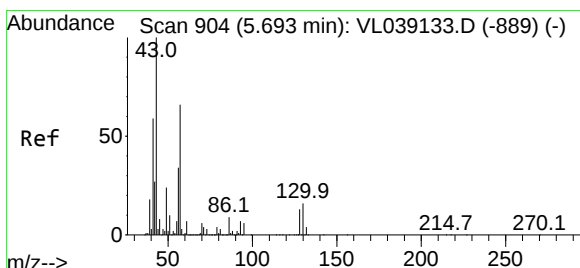
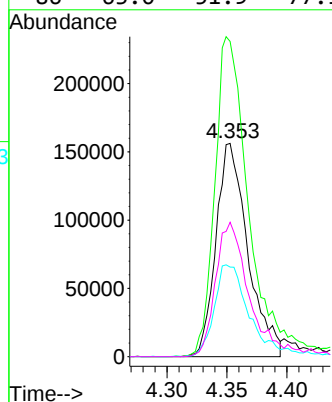
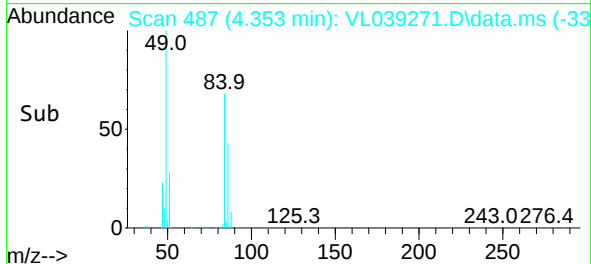
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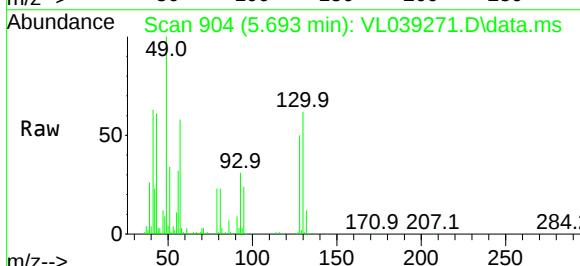
Tgt Ion: 84 Resp: 288409
Ion Ratio Lower Upper
84 100
49 147.7 111.1 166.7
51 41.8 35.3 52.9
86 63.0 51.9 77.9

Manual Integrations
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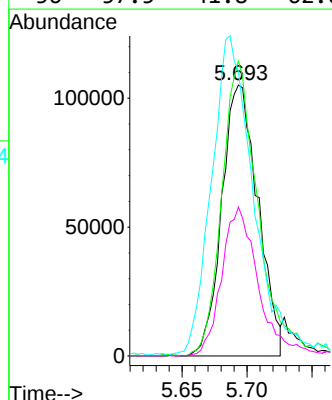
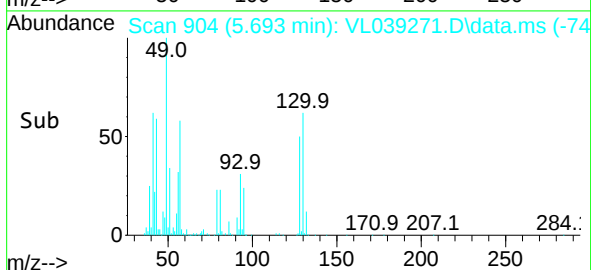
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

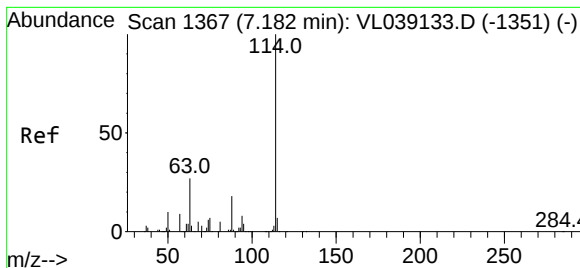


#26
Hexane
Concen: 1.905 ppbv
RT: 5.693 min Scan# 904
Delta R.T. -0.000 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01



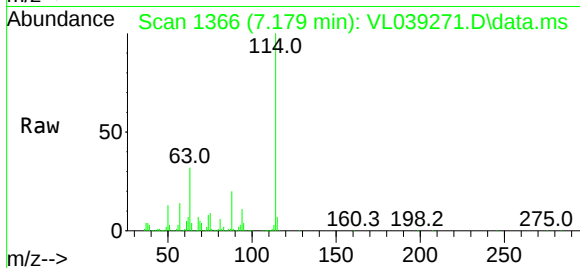
Tgt Ion: 57 Resp: 203076
Ion Ratio Lower Upper
57 100
41 113.6 72.4 108.6#
43 140.0 187.0 280.6#
56 57.5 41.8 62.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 114
Delta R.T. -0.003 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

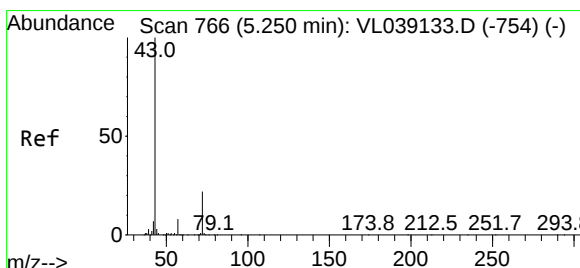
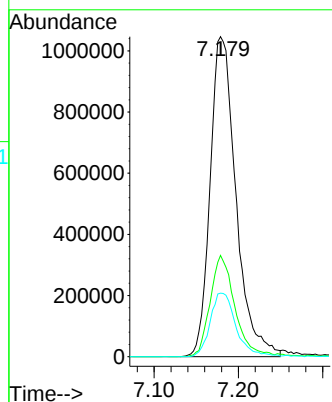
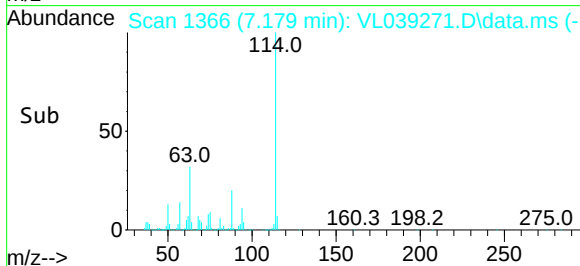
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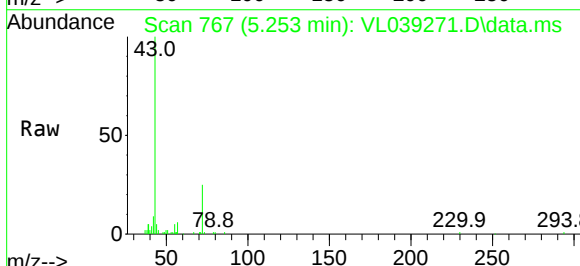
Tgt Ion:114 Resp: 222953
Ion Ratio Lower Upper
114 100
63 31.1 21.7 32.5
88 20.0 14.8 22.2

Manual Integrations
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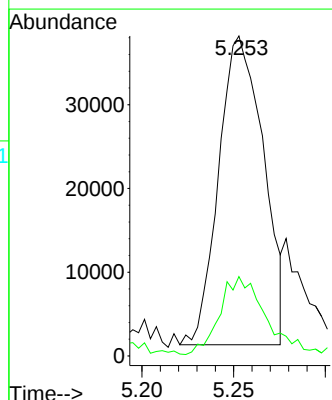
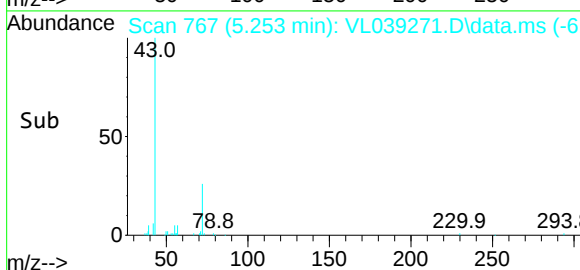
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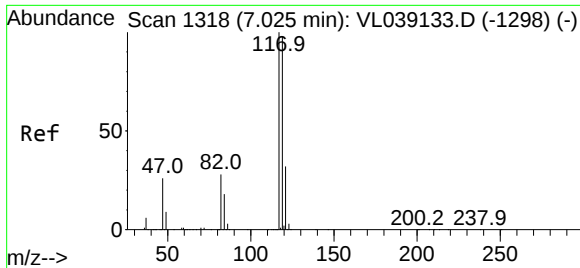


#34
2-Butanone
Concen: 0.518 ppbv
RT: 5.253 min Scan# 767
Delta R.T. 0.003 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01



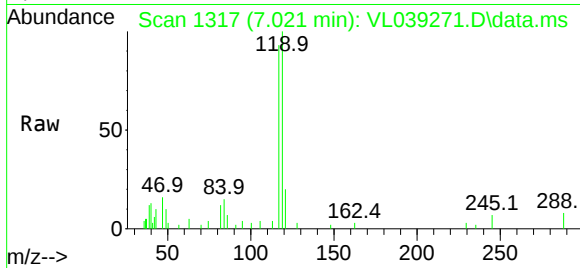
Tgt Ion: 43 Resp: 62692
Ion Ratio Lower Upper
43 100
72 27.0 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.087 ppbv m
RT: 7.021 min Scan# 117
Delta R.T. -0.003 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

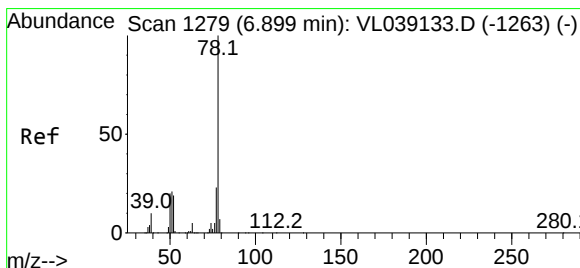
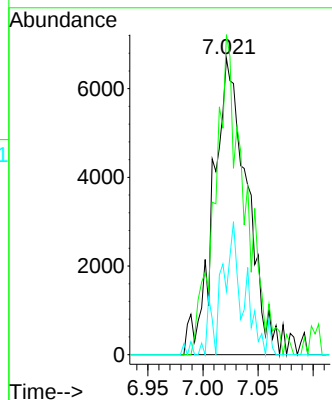
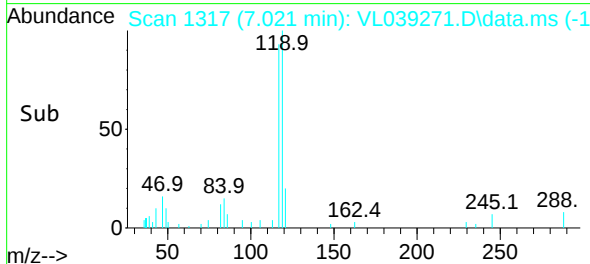
Instrument :
MSVOA_L
ClientSampleId :
OA1



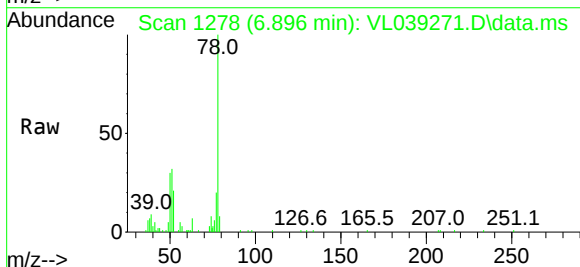
Tgt Ion: 117 Resp: 14130
Ion Ratio Lower Upper
117 100
119 108.0 78.6 118.0
121 21.4 25.4 38.0

Manual Integrations
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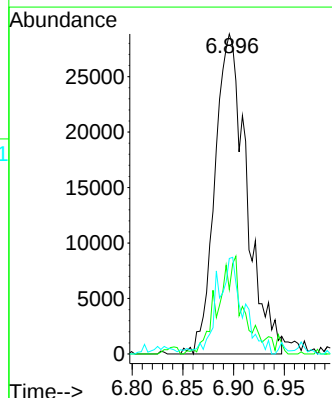
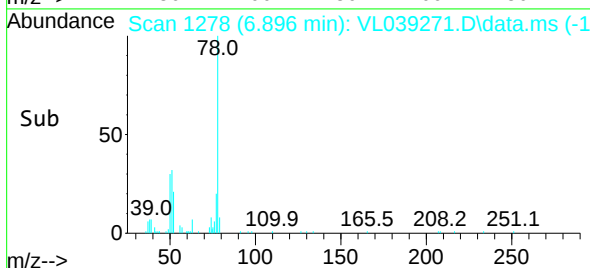
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

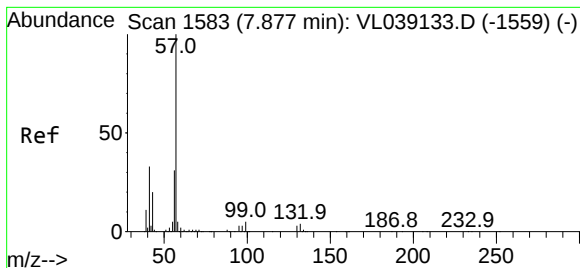


#36
Benzene
Concen: 0.346 ppbv m
RT: 6.896 min Scan# 1278
Delta R.T. -0.003 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01



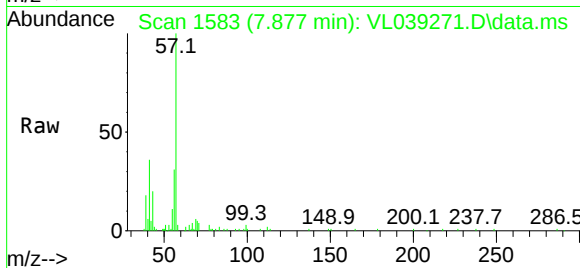
Tgt Ion: 78 Resp: 62702
Ion Ratio Lower Upper
78 100
77 20.1 18.6 27.8
50 29.8 15.8 23.8





#44
2,2,4-Trimethylpentane
Concen: 0.225 ppbv m
RT: 7.877 min Scan# 1583
Delta R.T. -0.000 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

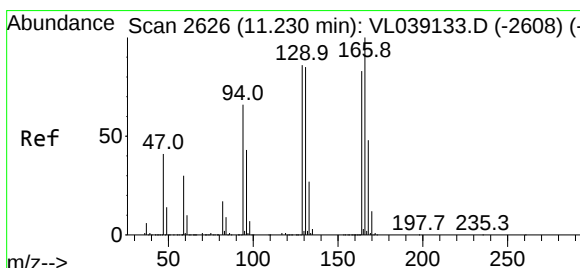
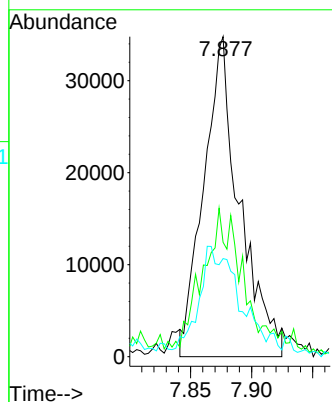
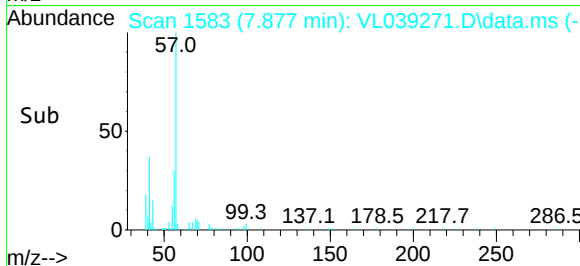
Instrument :
MSVOA_L
ClientSampleId :
OA1



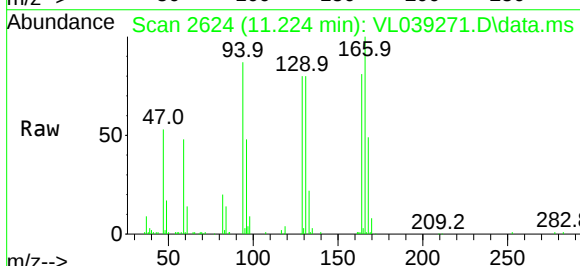
Tgt Ion: 57 Resp: 71188
Ion Ratio Lower Upper
57 100
41 64.7 26.2 39.4
56 44.1 24.7 37.1

Manual Integrations
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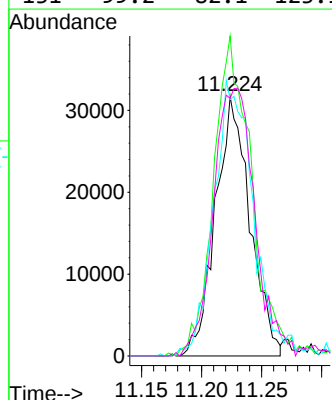
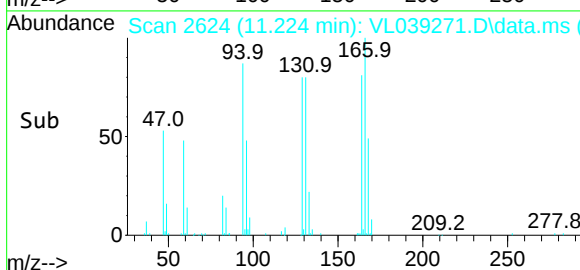
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

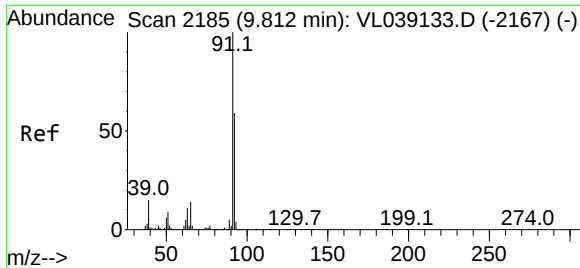


#52
Tetrachloroethene
Concen: 0.897 ppbv
RT: 11.224 min Scan# 2624
Delta R.T. -0.007 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01



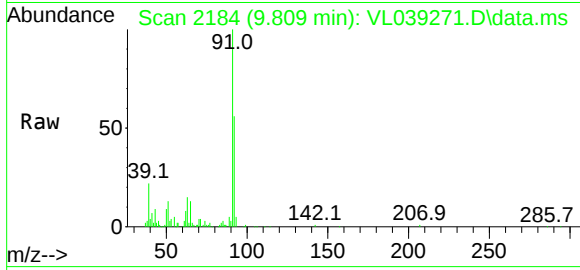
Tgt Ion:164 Resp: 63386
Ion Ratio Lower Upper
164 100
166 121.0 96.3 144.5
129 98.9 82.5 123.7
131 99.2 82.1 123.1





#53
Toluene
Concen: 0.808 ppbv
RT: 9.809 min Scan# 2184
Delta R.T. -0.003 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

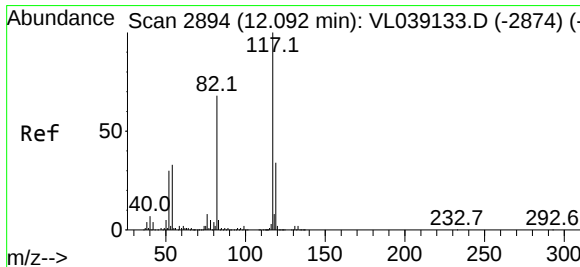
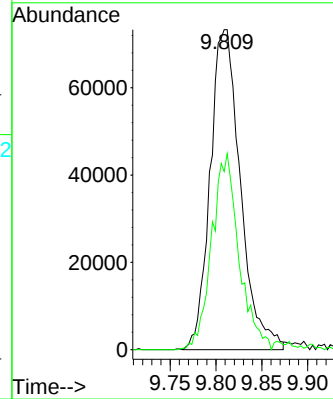
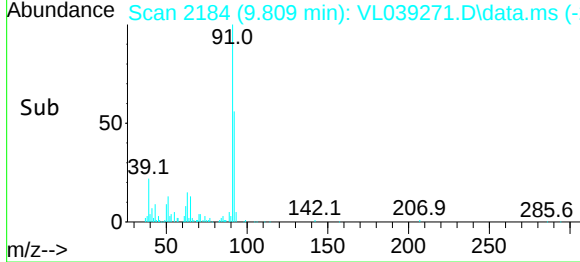
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 91 Resp: 16842
Ion Ratio Lower Upper
91 100
92 56.5 48.1 72.1

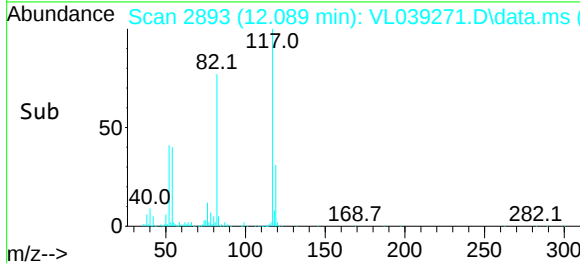
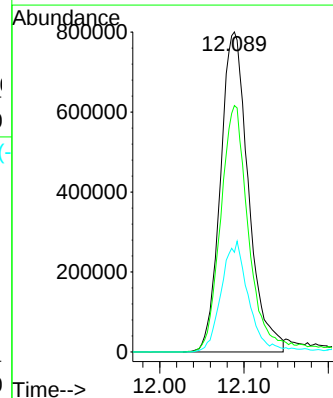
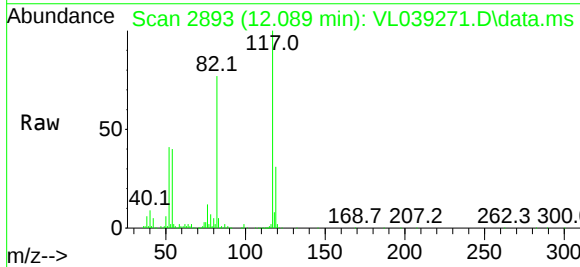
Manual Integrations
APPROVED

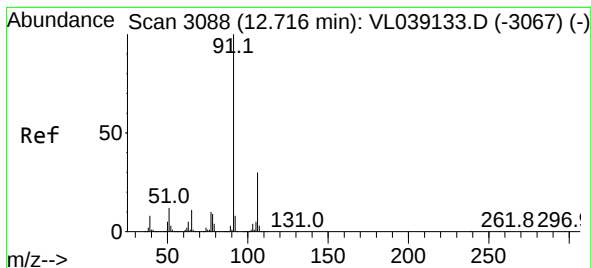
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2893
Delta R.T. -0.003 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

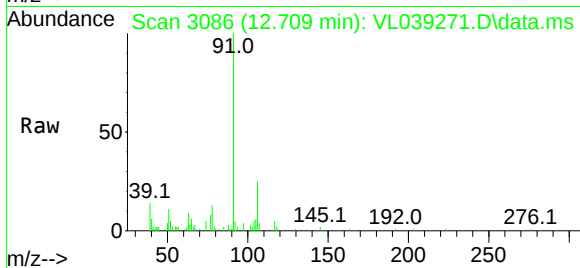
Tgt Ion:117 Resp: 1843805
Ion Ratio Lower Upper
117 100
82 80.8 55.1 82.7
119 34.3 24.7 37.1





#58
Ethyl Benzene
Concen: 0.156 ppbv m
RT: 12.709 min Scan# 3086
Delta R.T. -0.007 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

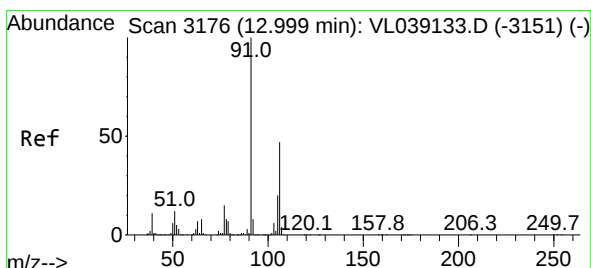
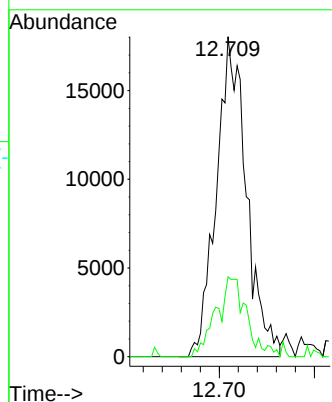
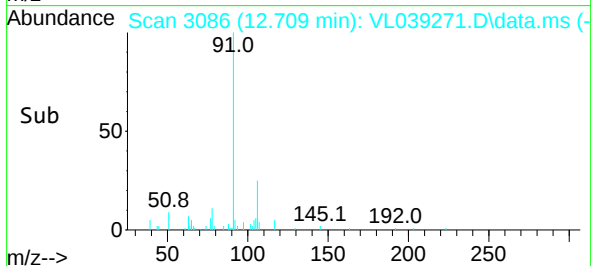
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 91 Resp: 39544
Ion Ratio Lower Upper
91 100
106 25.0 24.2 36.4

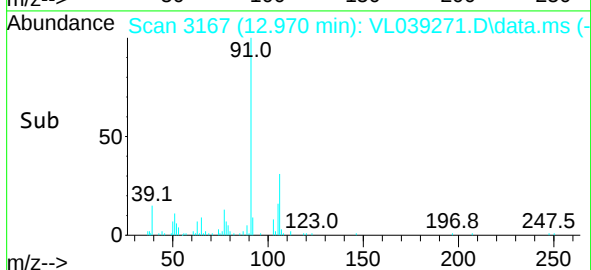
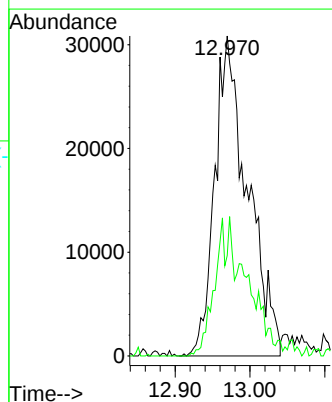
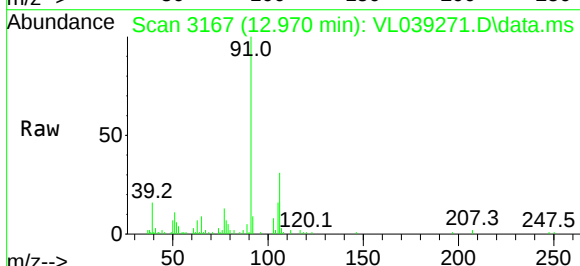
Manual Integrations
APPROVED

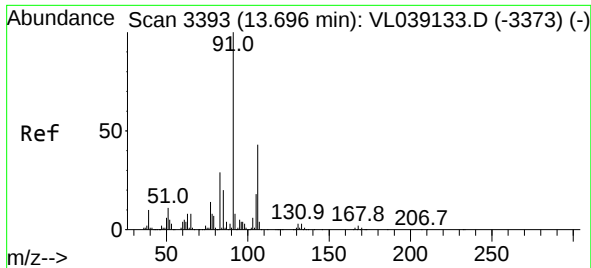
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#59
m/p-Xylene
Concen: 0.421 ppbv m
RT: 12.970 min Scan# 3167
Delta R.T. -0.029 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

Tgt Ion: 91 Resp: 94099
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5#





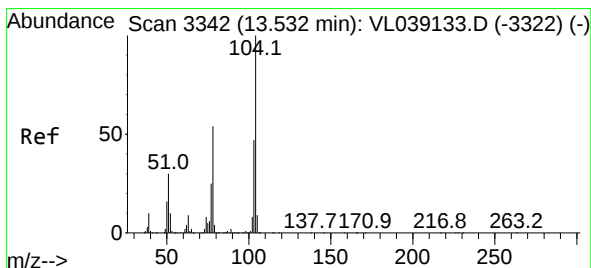
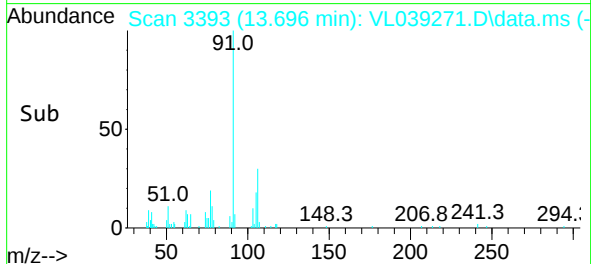
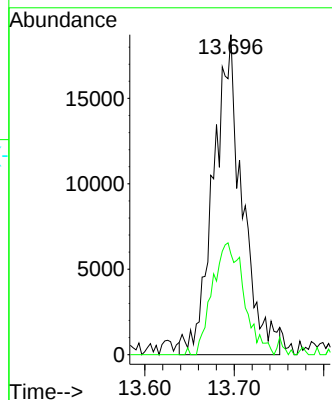
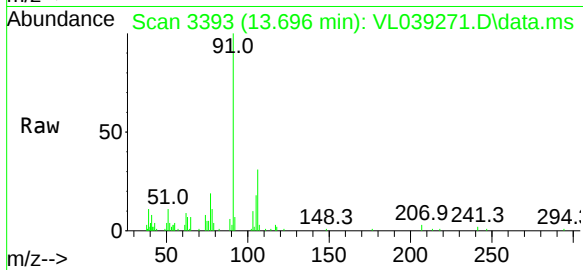
#60
o-Xylene
Concen: 0.201 ppbv m
RT: 13.696 min Scan# 3393
Delta R.T. -0.000 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 42198
Ion Ratio Lower Upper
91 100
106 39.1 22.3 66.9

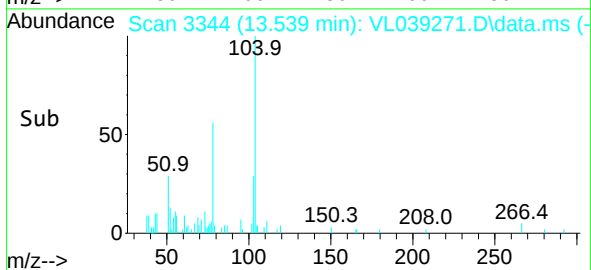
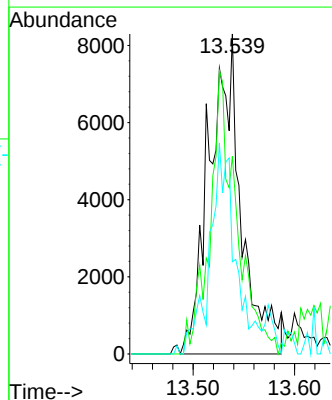
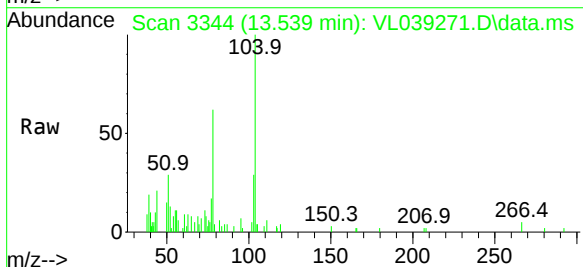
Manual Integrations
APPROVED

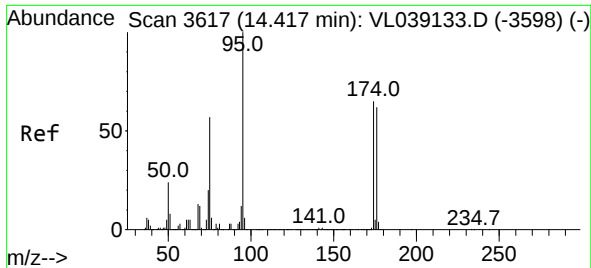
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#61
Styrene
Concen: 0.161 ppbv m
RT: 13.539 min Scan# 3344
Delta R.T. 0.006 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

Tgt Ion:104 Resp: 18145
Ion Ratio Lower Upper
104 100
78 73.7 45.7 68.5#
103 59.8 39.6 59.4#





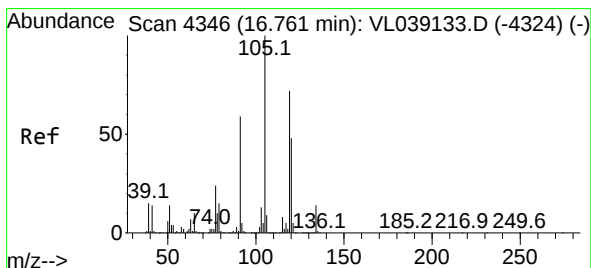
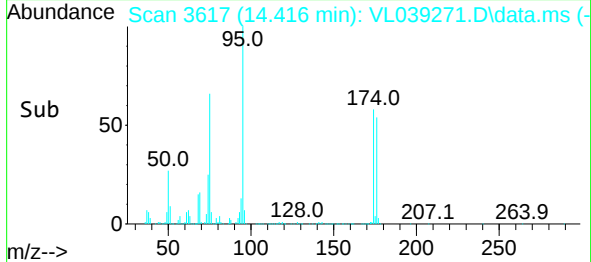
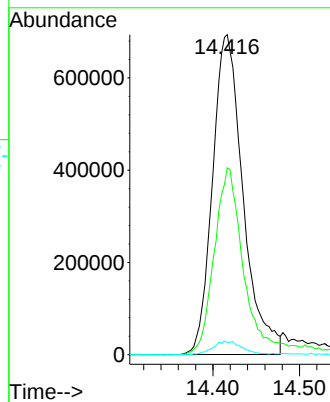
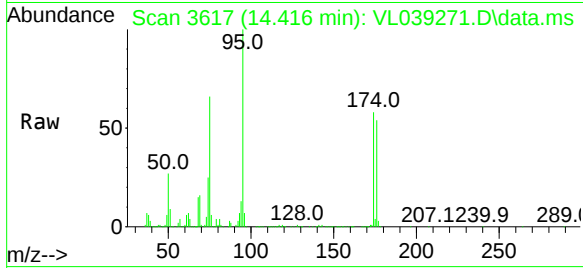
#68
1-Bromo-4-Fluorobenzene
Concen: 11.119 ppbv
RT: 14.416 min Scan# 3617
Delta R.T. -0.000 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 95 Resp: 169485
Ion Ratio Lower Upper
95 100
174 58.3 53.8 80.8
175 4.5 4.1 6.1

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.228 ppbv m
RT: 16.760 min Scan# 4346
Delta R.T. -0.000 min
Lab File: VL039271.D
Acq: 14 Jun 2022 4:01

Tgt Ion:105 Resp: 56626
Ion Ratio Lower Upper
105 100
120 26.6 38.1 57.1#
91 9.8 47.4 71.0#
77 17.2 19.5 29.3#

