

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
 Data File : VL037999.D
 Acq On : 10 Nov 2021 4:00
 Operator : SY/AP
 Sample : M4597-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/15/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 10 04:52:01 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 9 04:52:01 2021

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	1253480	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.176	114	3707901	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.085	117	3107150	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	2196097	9.723	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.054	85	56423	0.319	ppbv	96
3) Chlorodifluoromethane	2.996	51	1975211	8.465	ppbv	95
4) Chloromethane	3.150	50	37022	0.417	ppbv	91
9) Propene	3.031	41	120621m	1.442	ppbv	
11) Trichlorofluoromethane	3.954	101	39966m	0.227	ppbv	
13) Ethanol	3.610	45	227515m	26.956	ppbv	
15) Acetone	3.857	43	720609	6.957	ppbv #	69
17) tert-Butyl alcohol	4.311	59	62991m	0.585	ppbv	
19) Isopropyl Alcohol	3.976	45	123441	1.864	ppbv #	88
20) Methylene Chloride	4.353	84	164881	2.900	ppbv	96
22) trans-1,2-Dichloroethene	4.890	96	1253206	19.989	ppbv	98
26) Hexane	5.693	57	248723m	1.706	ppbv	
34) 2-Butanone	5.250	43	504858	3.674	ppbv	99
35) Carbon Tetrachloride	7.018	117	13426m	0.060	ppbv	
36) Benzene	6.896	78	69954m	0.232	ppbv	
38) Trichloroethene	7.835	130	71103m	0.567	ppbv	
43) Methyl Methacrylate	8.015	69	52135m	0.526	ppbv	
52) Tetrachloroethene	11.224	164	22352m	0.195	ppbv	
53) Toluene	9.806	91	318712	0.985	ppbv	99
58) Ethyl Benzene	12.712	91	64575m	0.170	ppbv	
59) m/p-Xylene	12.973	91	229945m	0.681	ppbv	
60) o-Xylene	13.690	91	119043	0.374	ppbv	96
61) Styrene	13.526	104	63547m	0.435	ppbv	

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

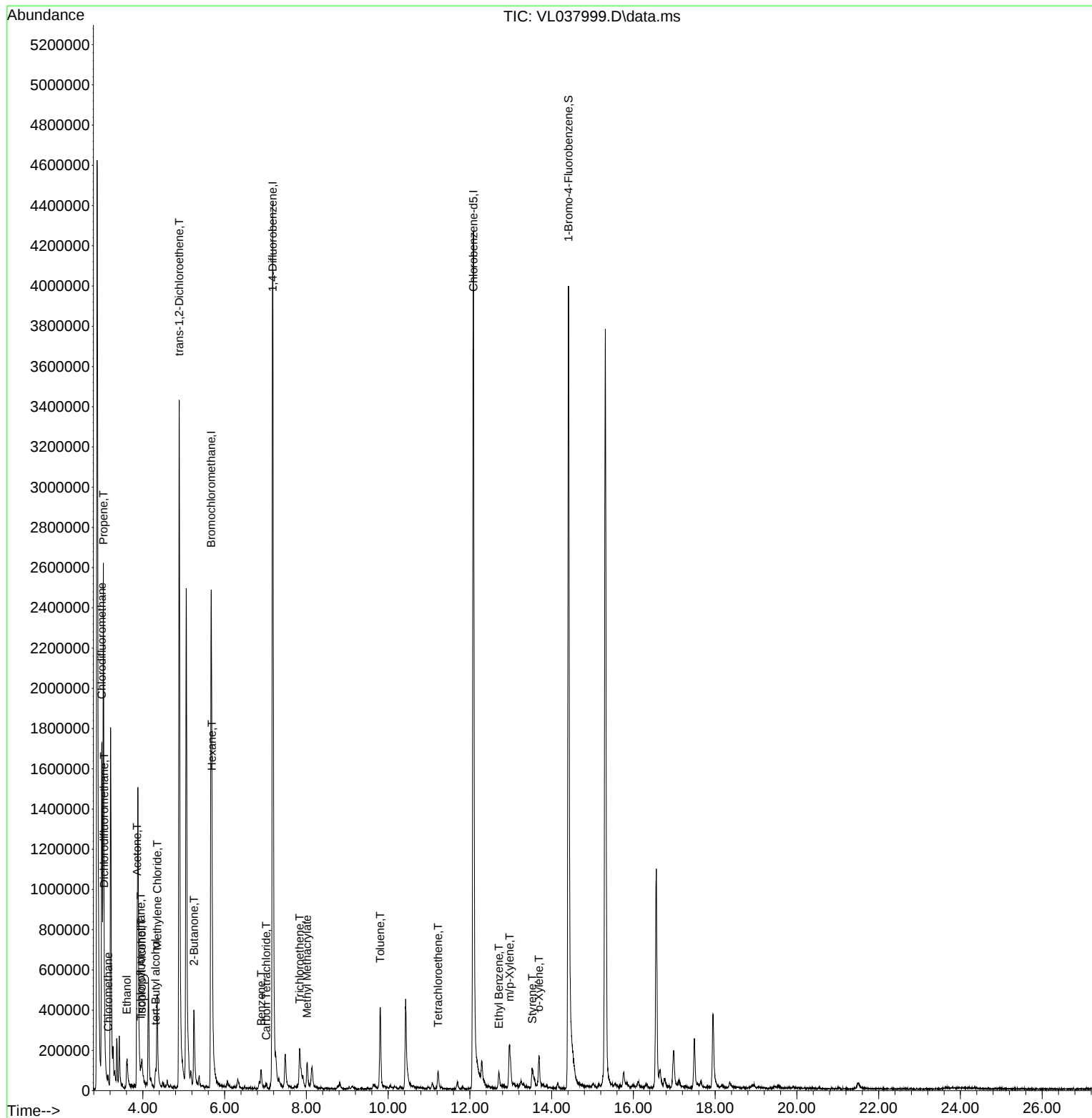
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
Data File : VL037999.D
Acq On : 10 Nov 2021 4:00
Operator : SY/AP
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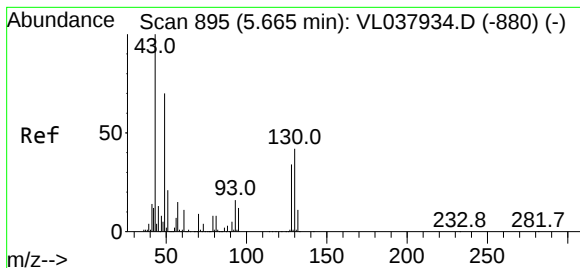
Instrument :
MSVOA_L
ClientSampleId :
IA-2

Quant Time: Nov 10 04:52:01 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

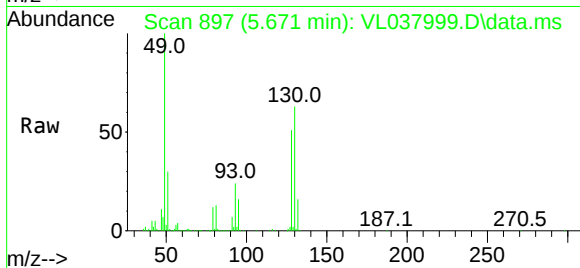
Reviewed By : Semsettin Yesilyurt 11/15/2021
Supervised By : Mahesh Dadoda 11/17/2021





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 895
Delta R.T. 0.006 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

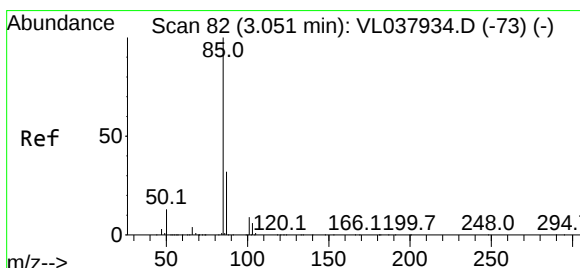
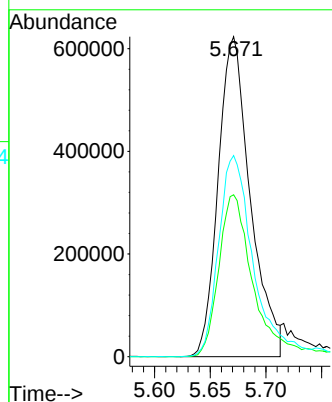
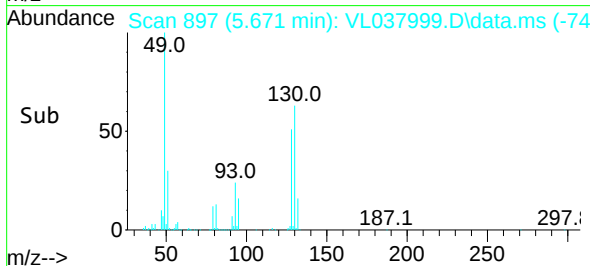
Instrument :
MSVOA_L
ClientSampleId :
IA-2



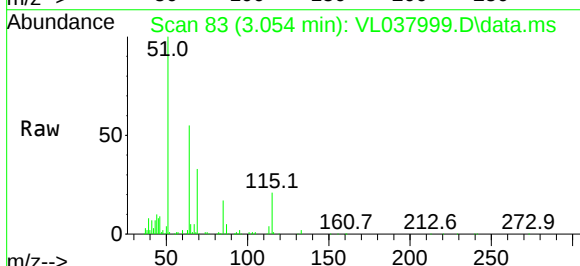
Tgt Ion: 49 Resp: 1253480
Ion Ratio Lower Upper
49 100
128 56.6 27.0 81.0
130 70.9 33.4 100.2

Manual Integrations
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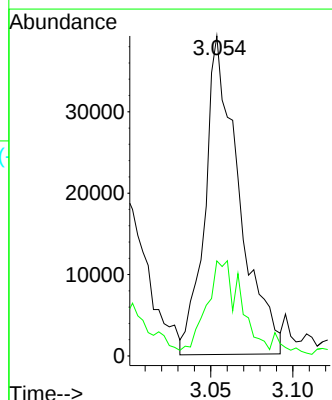
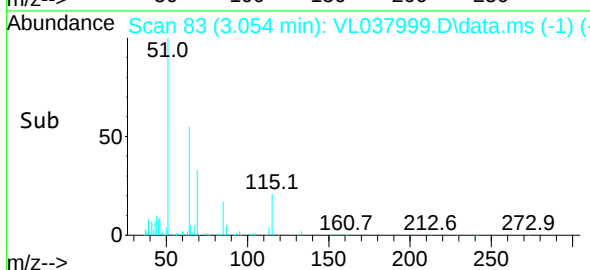
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

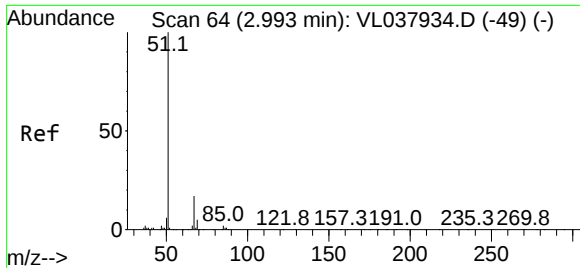


#2
Dichlorodifluoromethane
Concen: 0.319 ppbv
RT: 3.054 min Scan# 83
Delta R.T. 0.003 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00



Tgt Ion: 85 Resp: 56423
Ion Ratio Lower Upper
85 100
87 29.4 25.3 37.9





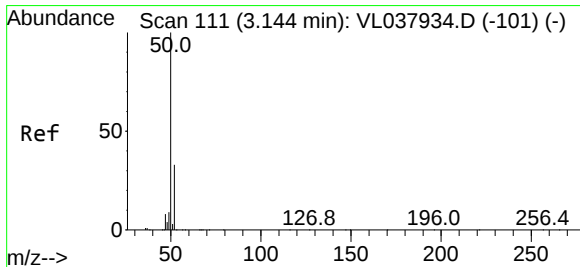
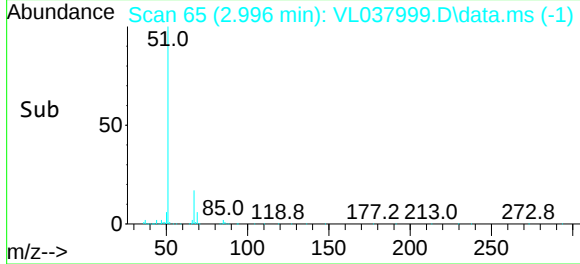
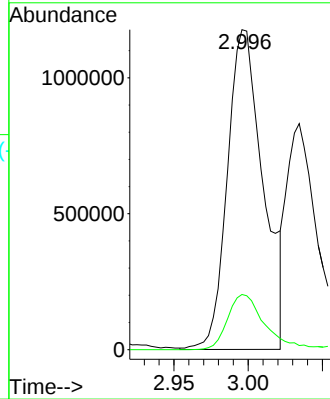
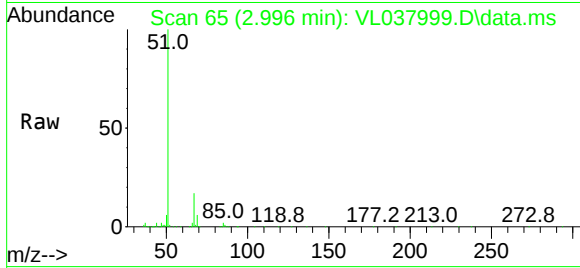
#3
Chlorodifluoromethane
Concen: 8.465 ppbv
RT: 2.996 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

Instrument :
MSVOA_L
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Tgt Ion: 51 Resp: 197521
Ion Ratio Lower Upper
51 100
67 19.0 13.4 20.0

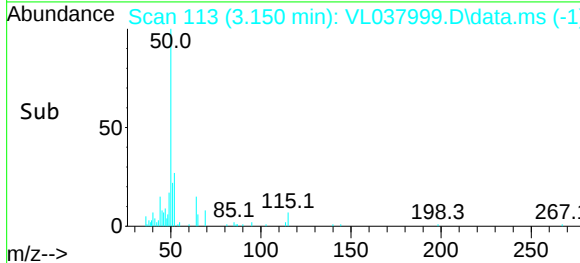
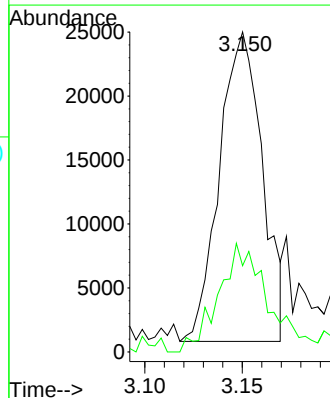
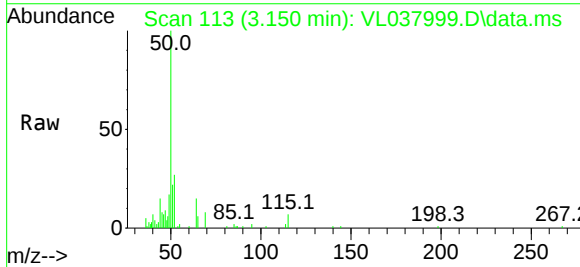
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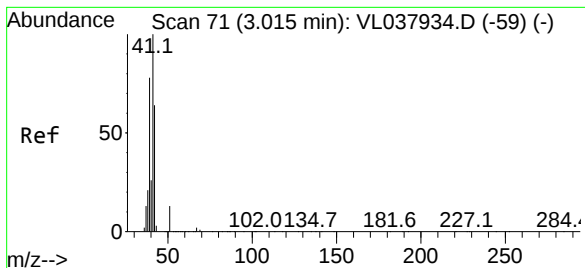
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#4
Chloromethane
Concen: 0.417 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.006 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

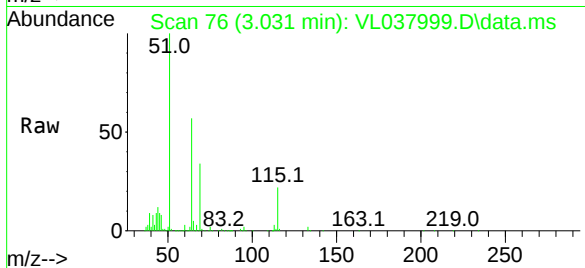
Tgt Ion: 50 Resp: 37022
Ion Ratio Lower Upper
50 100
52 27.9 26.3 39.5





#9
Propene
Concen: 1.442 ppbv m
RT: 3.031 min Scan# 71
Delta R.T. 0.016 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

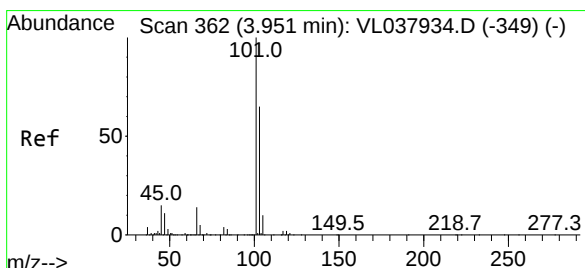
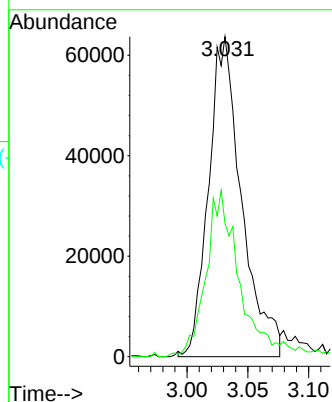
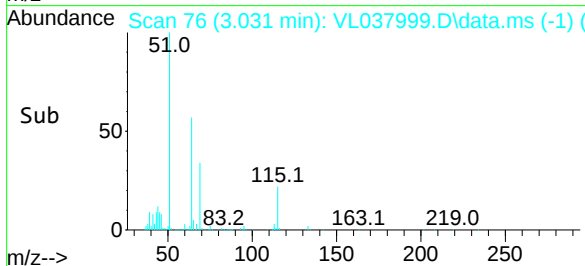
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 41 Resp: 12062
Ion Ratio Lower Upper
41 100
42 348.4 57.6 86.4

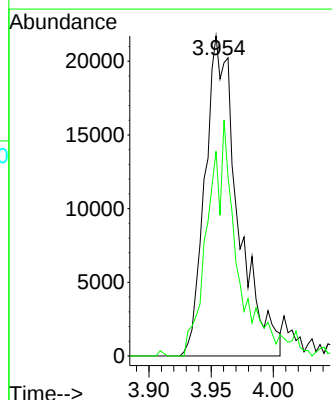
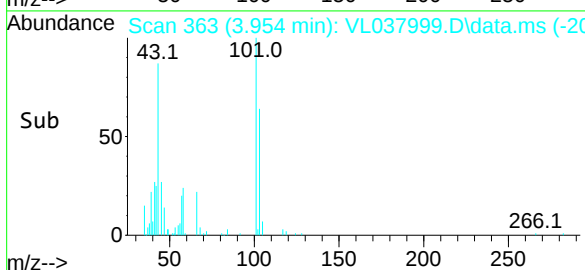
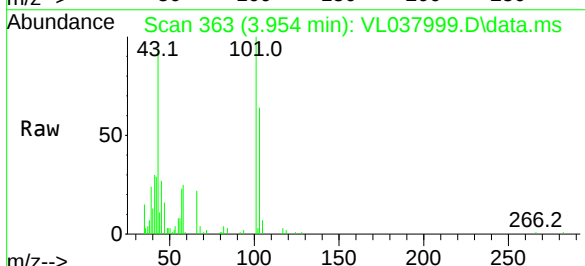
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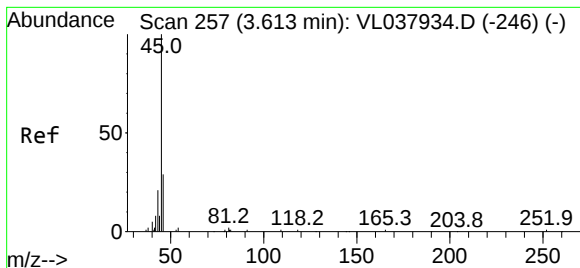
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#11
Trichlorofluoromethane
Concen: 0.227 ppbv m
RT: 3.954 min Scan# 363
Delta R.T. 0.003 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

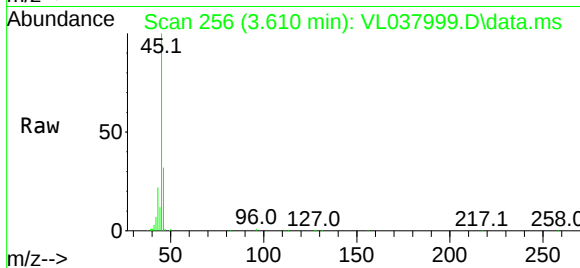
Tgt Ion:101 Resp: 39966
Ion Ratio Lower Upper
101 100
103 63.9 52.0 78.0





#13
Ethanol
Concen: 26.956 ppbv m
RT: 3.610 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

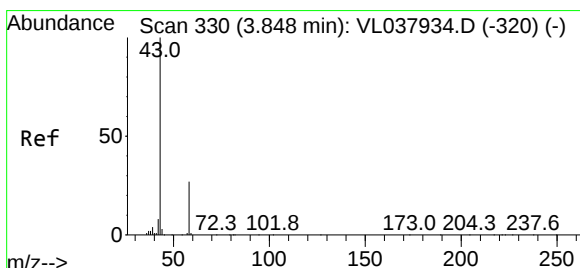
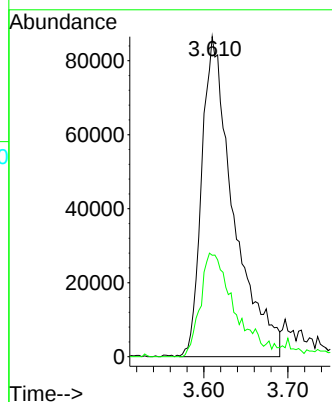
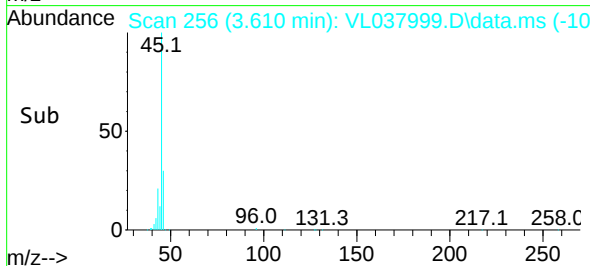
Instrument :
MSVOA_L
ClientSampleId :
IA-2



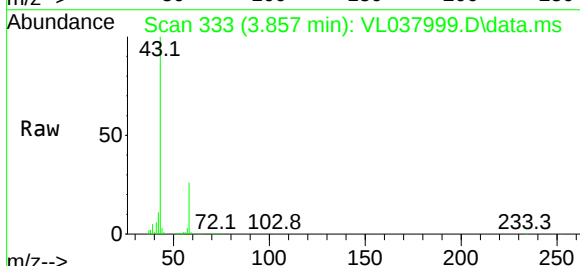
Tgt Ion: 45 Resp: 22751
Ion Ratio Lower Upper
45 100
46 37.2 17.4 69.8

Manual Integrations
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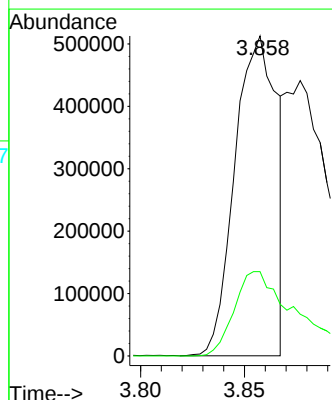
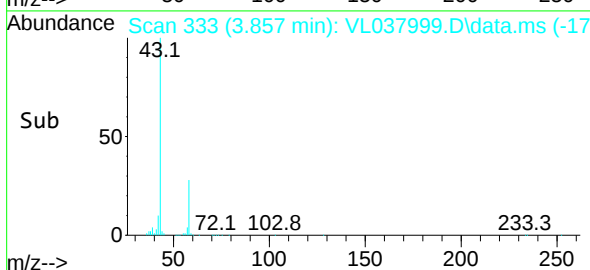
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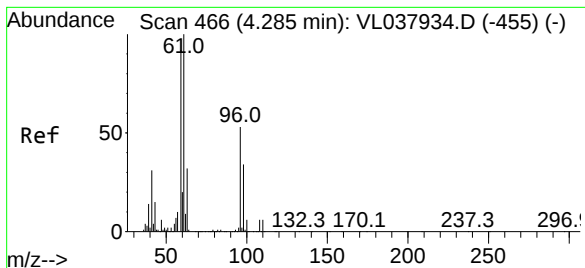


#15
Acetone
Concen: 6.957 ppbv
RT: 3.857 min Scan# 333
Delta R.T. 0.010 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00



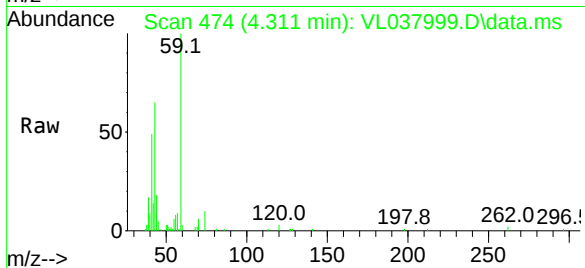
Tgt Ion: 43 Resp: 720609
Ion Ratio Lower Upper
43 100
58 45.4 23.3 34.9





#17
tert-Butyl alcohol
Concen: 0.585 ppbv m
RT: 4.311 min Scan# 41
Delta R.T. 0.026 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

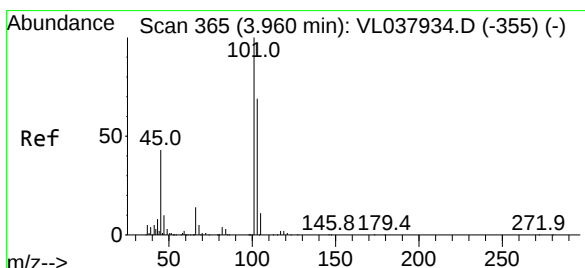
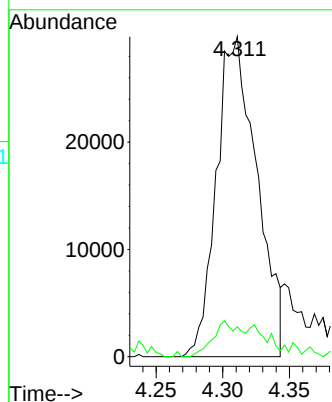
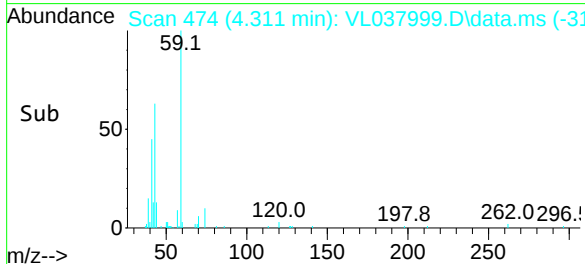
Instrument :
MSVOA_L
ClientSampleId :
IA-2



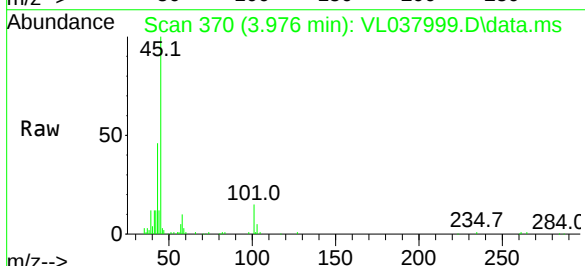
Tgt Ion: 59 Resp: 6299
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3

Manual Integrations
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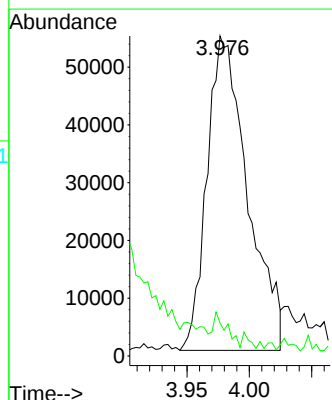
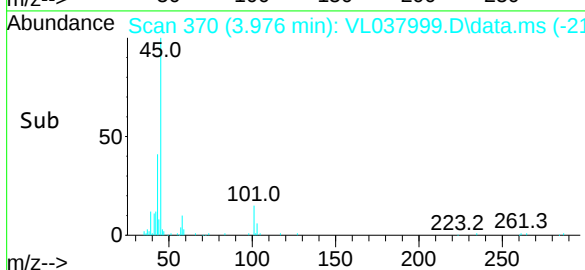
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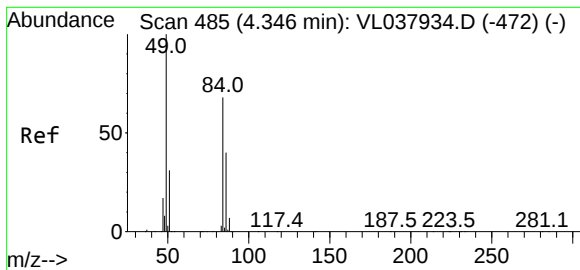


#19
Isopropyl Alcohol
Concen: 1.864 ppbv
RT: 3.976 min Scan# 370
Delta R.T. 0.016 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00



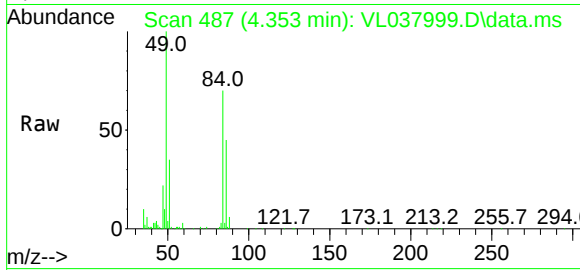
Tgt Ion: 45 Resp: 123441
Ion Ratio Lower Upper
45 100
58 8.9 4.0 6.0





#20
Methylene Chloride
Concen: 2.900 ppbv
RT: 4.353 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

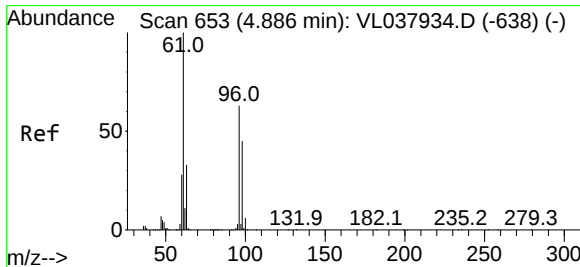
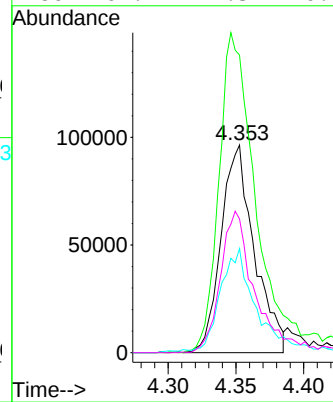
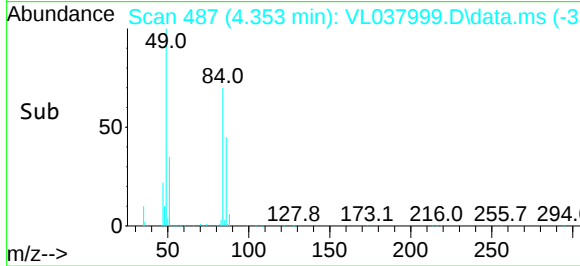
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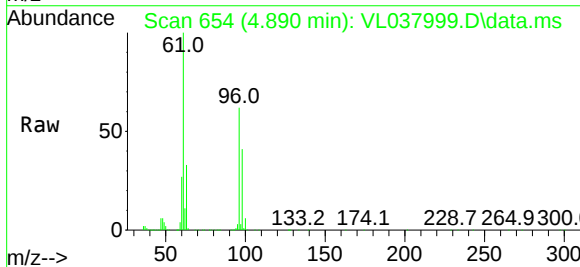
Tgt Ion: 84 Resp: 16488
Ion Ratio Lower Upper
84 100
49 143.3 117.5 176.3
51 48.7 35.9 53.9
86 64.1 47.3 70.9

Manual Integrations
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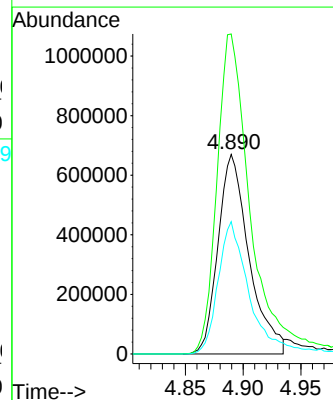
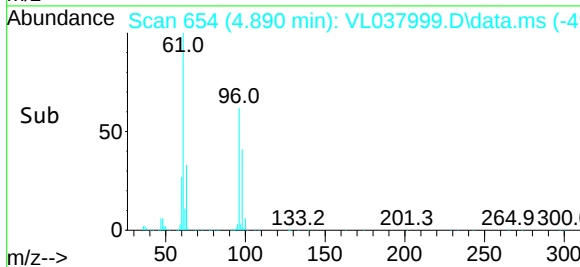
Reviewed By :Semsettin Yesilyurt 11/15/2021
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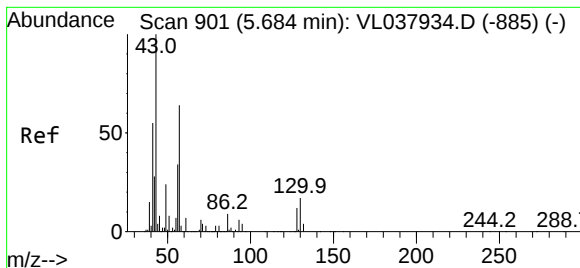


#22
trans-1,2-Dichloroethene
Concen: 19.989 ppbv
RT: 4.890 min Scan# 654
Delta R.T. 0.003 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00



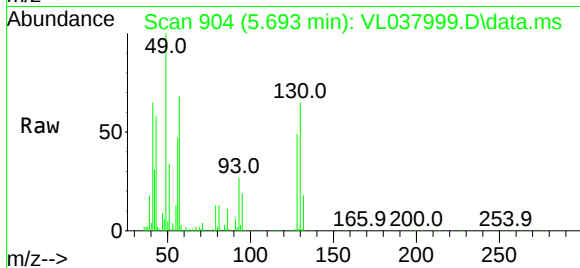
Tgt Ion: 96 Resp: 1253206
Ion Ratio Lower Upper
96 100
61 160.3 127.8 191.6
98 66.3 56.9 85.3





#26
Hexane
Concen: 1.706 ppbv m
RT: 5.693 min Scan# 901
Delta R.T. 0.010 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

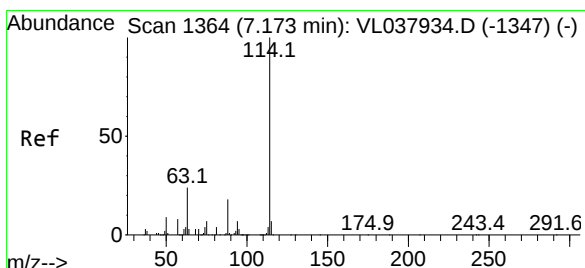
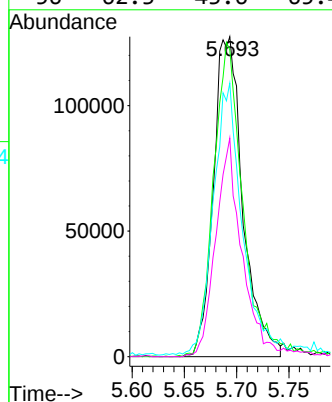
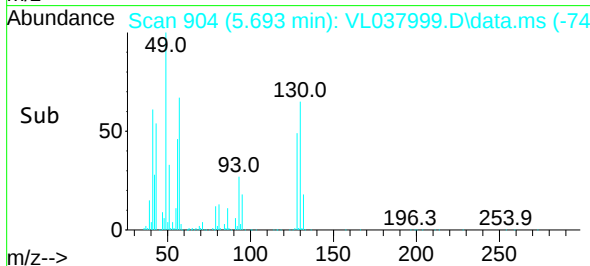
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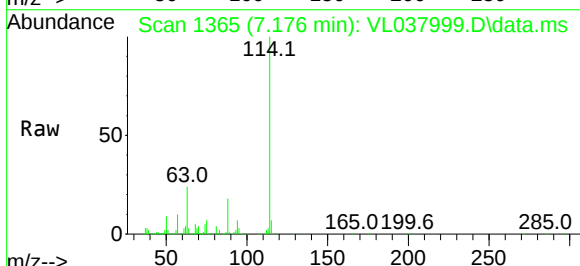
Tgt Ion: 57 Resp: 248723
Ion Ratio Lower Upper
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41 99.5 71.0 106.6
43 86.7 173.0 259.6
56 62.3 43.6 65.4

Manual Integrations
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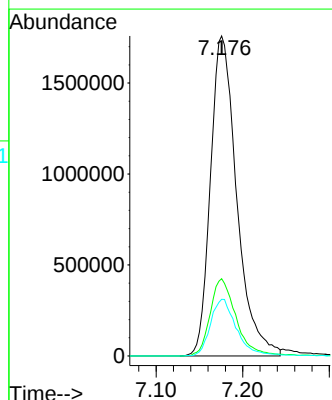
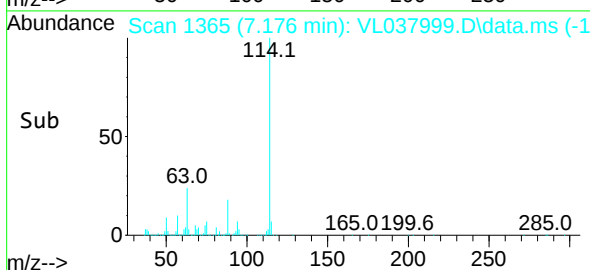
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

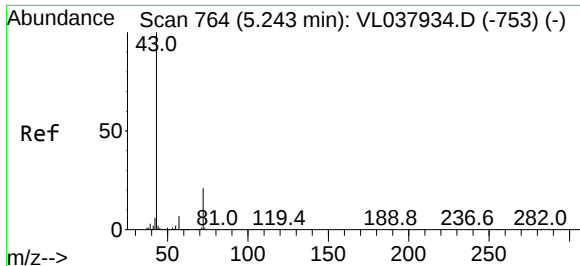


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 1365
Delta R.T. 0.003 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00



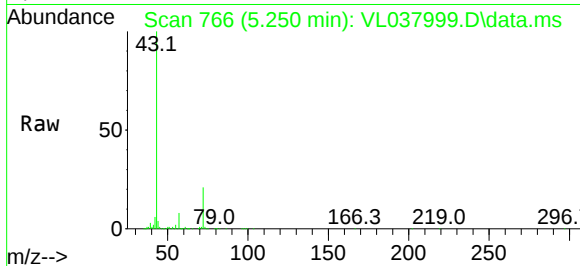
Tgt Ion:114 Resp: 3707901
Ion Ratio Lower Upper
114 100
63 24.2 19.4 29.0
88 17.8 14.2 21.4





#34
2-Butanone
Concen: 3.674 ppbv
RT: 5.250 min Scan# 764
Delta R.T. 0.006 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

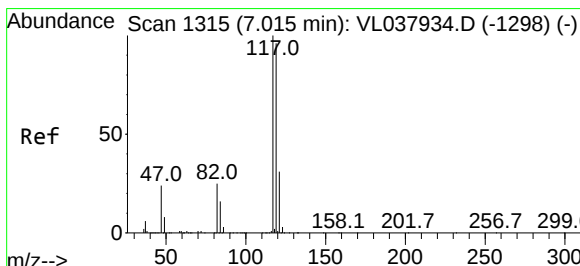
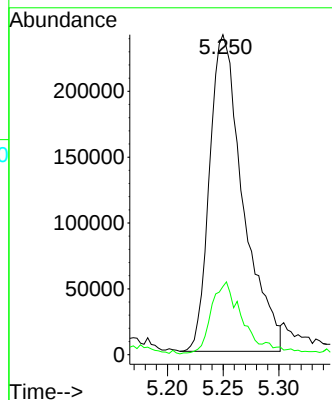
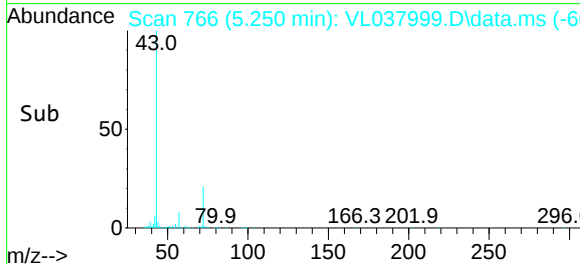
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 43 Resp: 504858
Ion Ratio Lower Upper
43 100
72 22.4 18.3 27.5

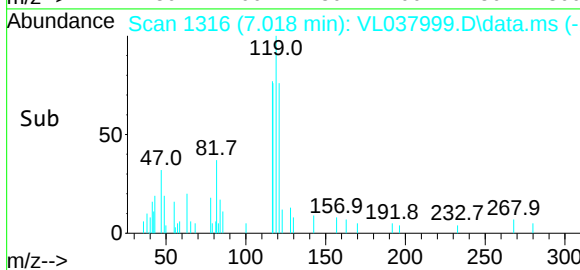
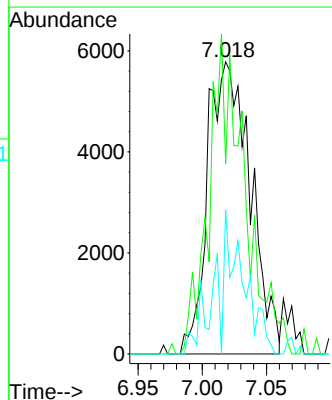
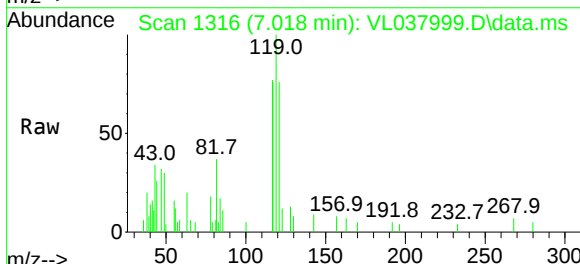
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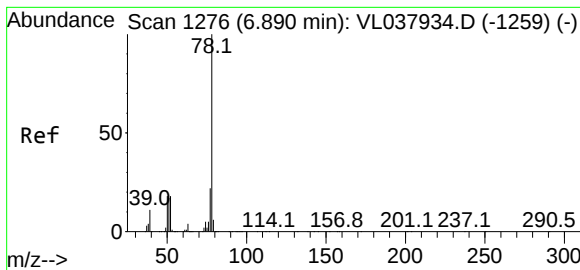
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#35
Carbon Tetrachloride
Concen: 0.060 ppbv m
RT: 7.018 min Scan# 1316
Delta R.T. 0.003 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

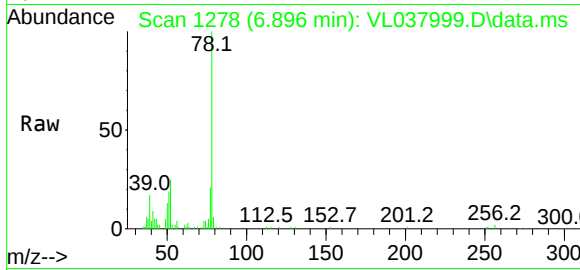
Tgt Ion:117 Resp: 13426
Ion Ratio Lower Upper
117 100
119 129.1 76.6 114.8#
121 97.6 25.1 37.7#





#36
Benzene
Concen: 0.232 ppbv m
RT: 6.896 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

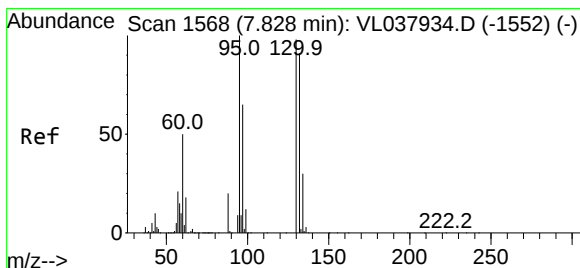
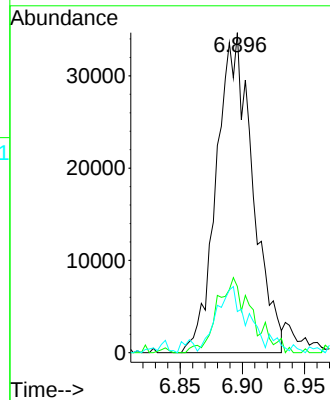
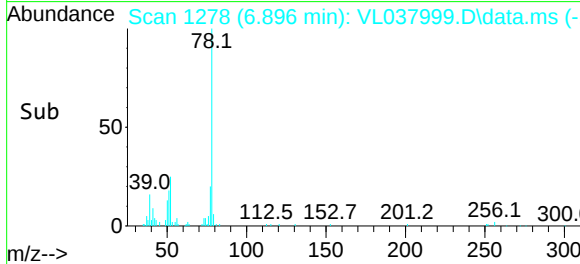
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 78 Resp: 69954
Ion Ratio Lower Upper
78 100
77 20.7 17.9 26.9
50 12.9 14.4 21.6

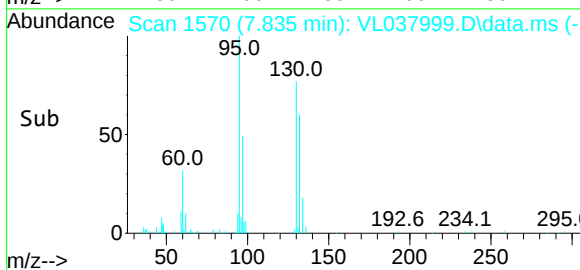
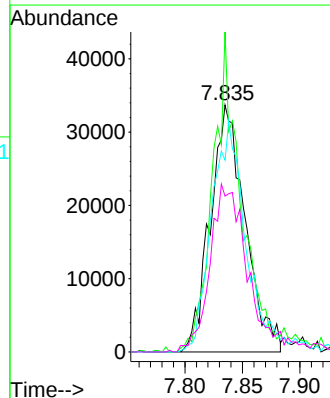
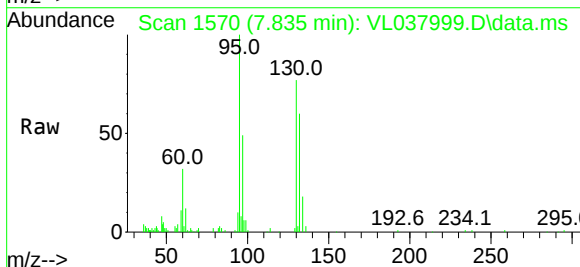
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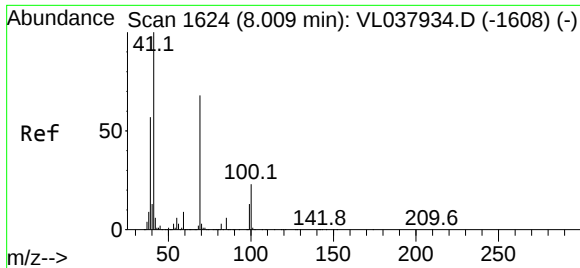
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#38
Trichloroethene
Concen: 0.567 ppbv m
RT: 7.835 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

Tgt Ion:130 Resp: 71103
Ion Ratio Lower Upper
130 100
95 129.6 81.8 122.8#
132 77.7 74.2 111.2
97 63.1 53.4 80.2





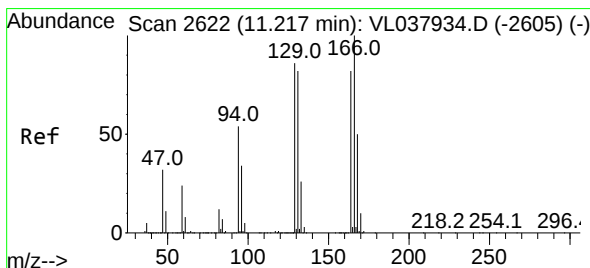
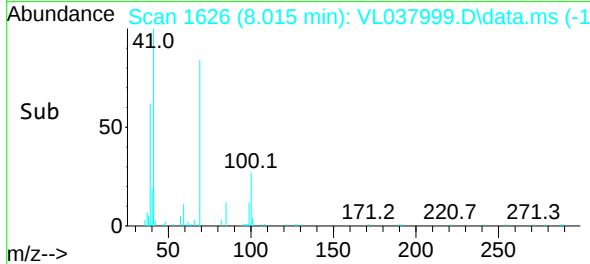
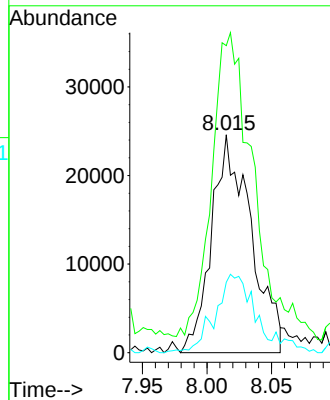
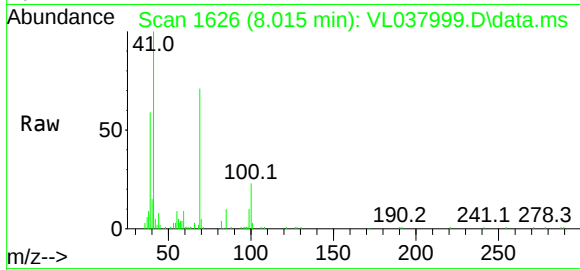
#43
Methyl Methacrylate
Concen: 0.526 ppbv m
RT: 8.015 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 69 Resp: 5213
Ion Ratio Lower Upper
69 100
41 160.7 117.4 176.2
100 38.2 27.8 41.6

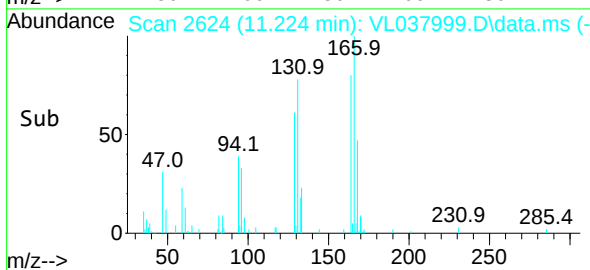
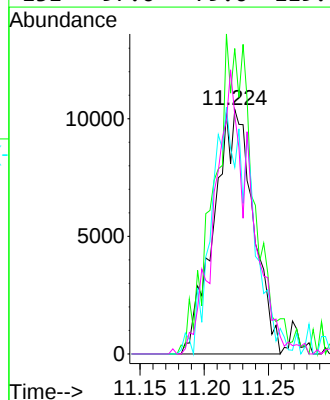
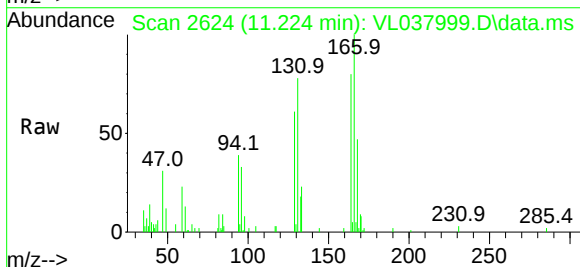
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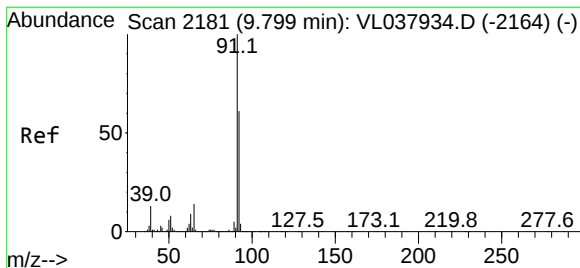
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#52
Tetrachloroethene
Concen: 0.195 ppbv m
RT: 11.224 min Scan# 2624
Delta R.T. 0.006 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

Tgt Ion:164 Resp: 22352
Ion Ratio Lower Upper
164 100
166 124.9 97.6 146.4
129 76.4 84.2 126.2#
131 97.6 79.6 119.4





#53

Toluene

Concen: 0.985 ppbv

RT: 9.806 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VL037999.D

Acq: 10 Nov 2021 4:00

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion: 91 Resp: 31871

Ion Ratio Lower Upper

91 100

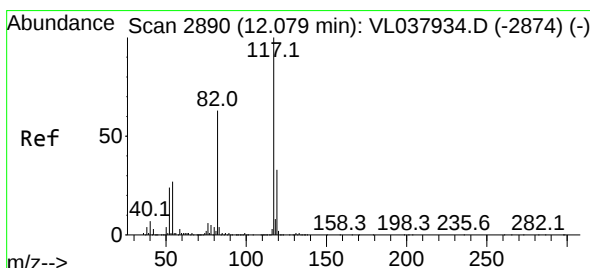
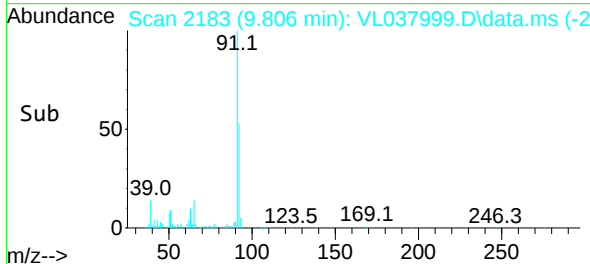
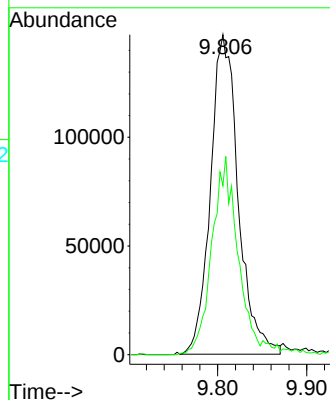
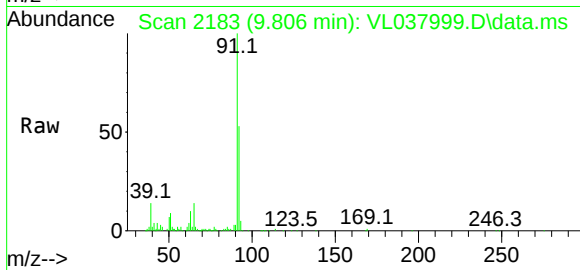
92 59.8 48.2 72.4

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Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.085 min Scan# 2892

Delta R.T. 0.006 min

Lab File: VL037999.D

Acq: 10 Nov 2021 4:00

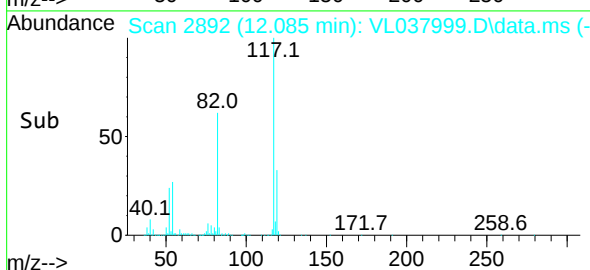
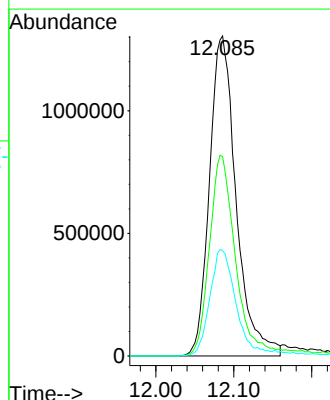
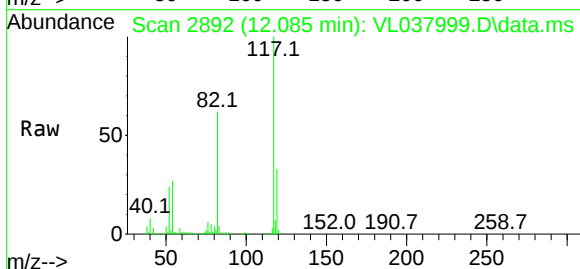
Tgt Ion:117 Resp: 3107150

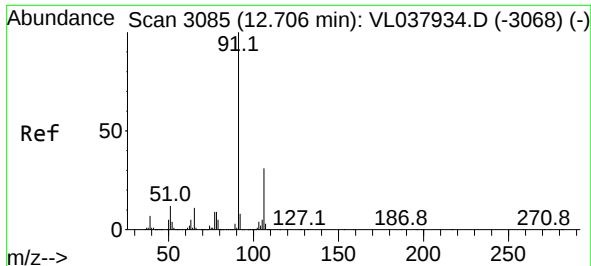
Ion Ratio Lower Upper

117 100

82 64.9 51.0 76.6

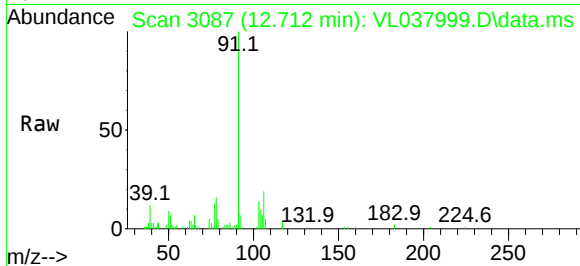
119 33.9 26.9 40.3





#58
Ethyl Benzene
Concen: 0.170 ppbv m
RT: 12.712 min Scan# 3085
Delta R.T. 0.006 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

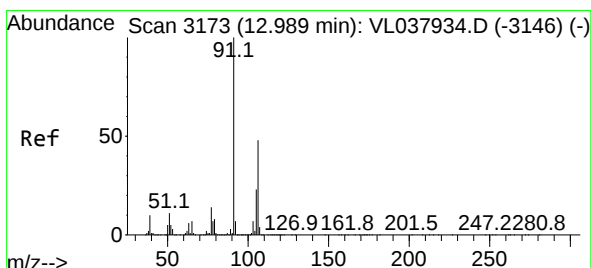
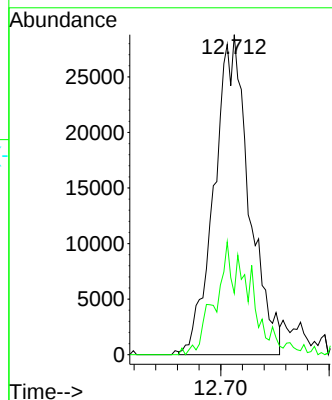
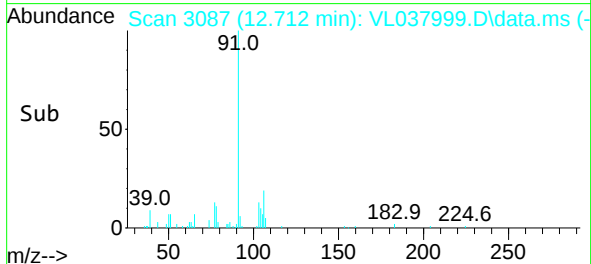
Instrument :
MSVOA_L
ClientSampleId :
IA-2



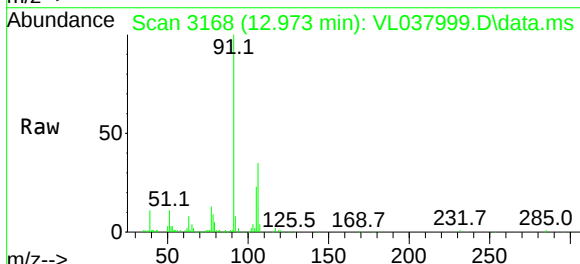
Tgt Ion: 91 Resp: 6457
Ion Ratio Lower Upper
91 100
106 19.2 25.1 37.7

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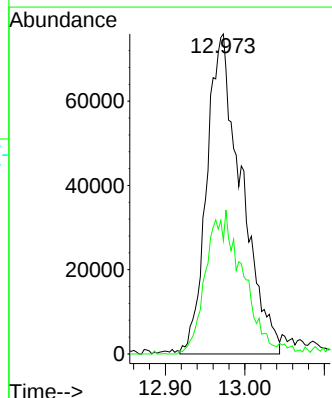
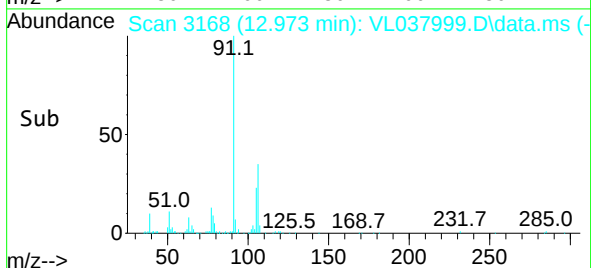
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

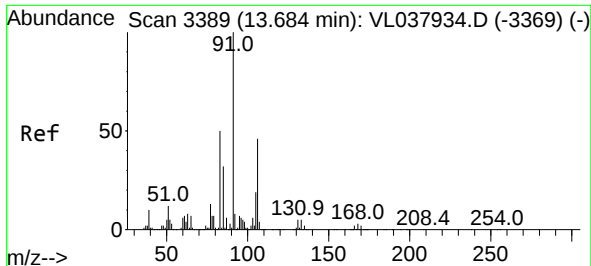


#59
m/p-Xylene
Concen: 0.681 ppbv m
RT: 12.973 min Scan# 3168
Delta R.T. -0.016 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00



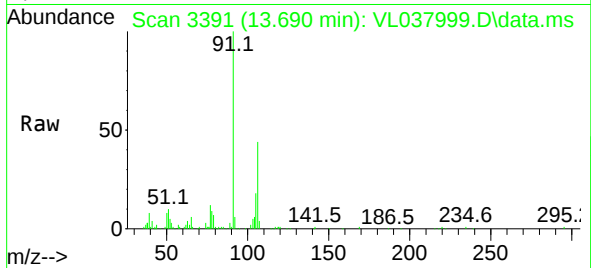
Tgt Ion: 91 Resp: 229945
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7





#60
o-Xylene
Concen: 0.374 ppbv
RT: 13.690 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00

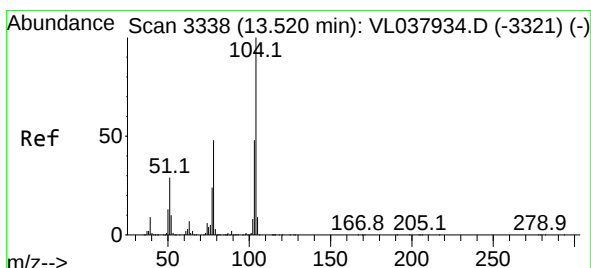
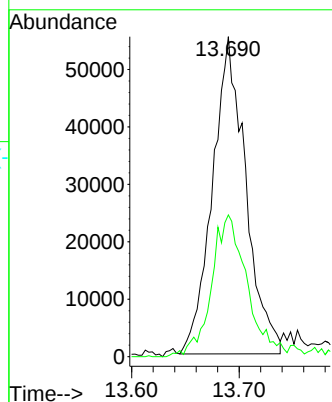
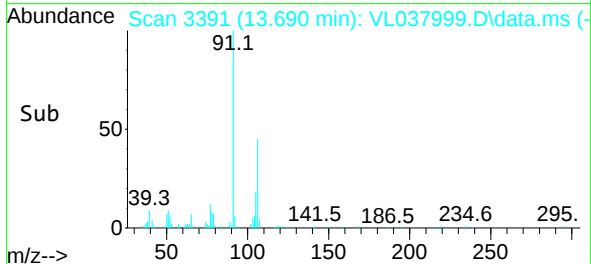
Instrument :
MSVOA_L
ClientSampleId :
IA-2



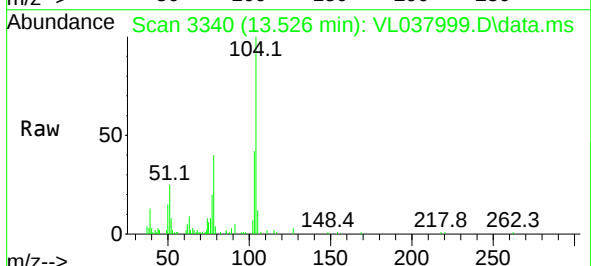
Tgt Ion: 91 Resp: 11904
Ion Ratio Lower Upper
91 100
106 50.0 23.5 70.6

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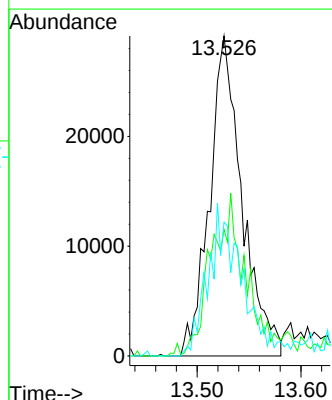
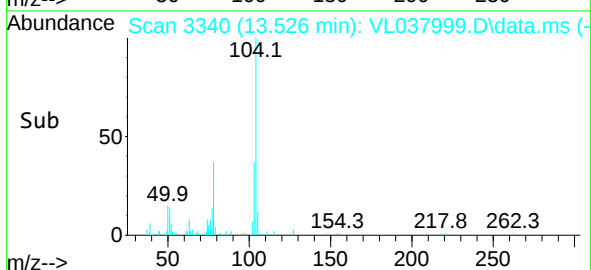
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

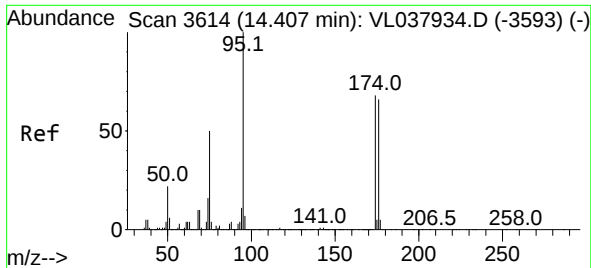


#61
Styrene
Concen: 0.435 ppbv m
RT: 13.526 min Scan# 3340
Delta R.T. 0.006 min
Lab File: VL037999.D
Acq: 10 Nov 2021 4:00



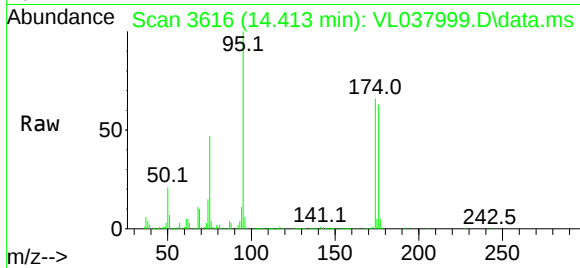
Tgt Ion:104 Resp: 63547
Ion Ratio Lower Upper
104 100
78 57.0 39.3 58.9
103 48.6 39.6 59.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.723 ppbv
 RT: 14.413 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: VL037999.D
 Acq: 10 Nov 2021 4:00

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2



Tgt Ion: 95 Resp: 219609

Ion	Ratio	Lower	Upper
95	100		
174	75.3	58.3	87.5
175	5.6	4.6	6.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021

