

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
 Data File : VL039502.D
 Acq On : 20 Jul 2022 5:14
 Operator : SY/AP
 Sample : N3750-09
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/20/2022
 Supervised By : Mahesh Dadoda 07/21/2022

Quant Time: Jul 20 07:28:26 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 20 07:28:26 2022

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.677	49	960944	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.188	114	2683465	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.098	117	2352943	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.429	95	1755351	10.056	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.057	85	23520	0.170	ppbv	93
3) Chlorodifluoromethane	2.999	51	40963m	0.336	ppbv	
4) Chloromethane	3.150	50	36406m	0.546	ppbv	
9) Propene	3.028	41	27374	0.497	ppbv	88
11) Trichlorofluoromethane	3.963	101	37035m	0.240	ppbv	
13) Ethanol	3.607	45	301908	94.515	ppbv	74
15) Acetone	3.857	43	703086	6.184	ppbv	90
19) Isopropyl Alcohol	3.973	45	75002	1.237	ppbv #	79
20) Methylene Chloride	4.353	84	91389	2.017	ppbv	93
26) Hexane	5.700	57	95023	1.011	ppbv #	42
34) 2-Butanone	5.262	43	60835	0.450	ppbv #	88
35) Carbon Tetrachloride	7.031	117	9758m	0.059	ppbv	
36) Benzene	6.899	78	25379m	0.122	ppbv	
53) Toluene	9.822	91	73957m	0.309	ppbv	
59) m/p-Xylene	12.979	91	32724m	0.122	ppbv	

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

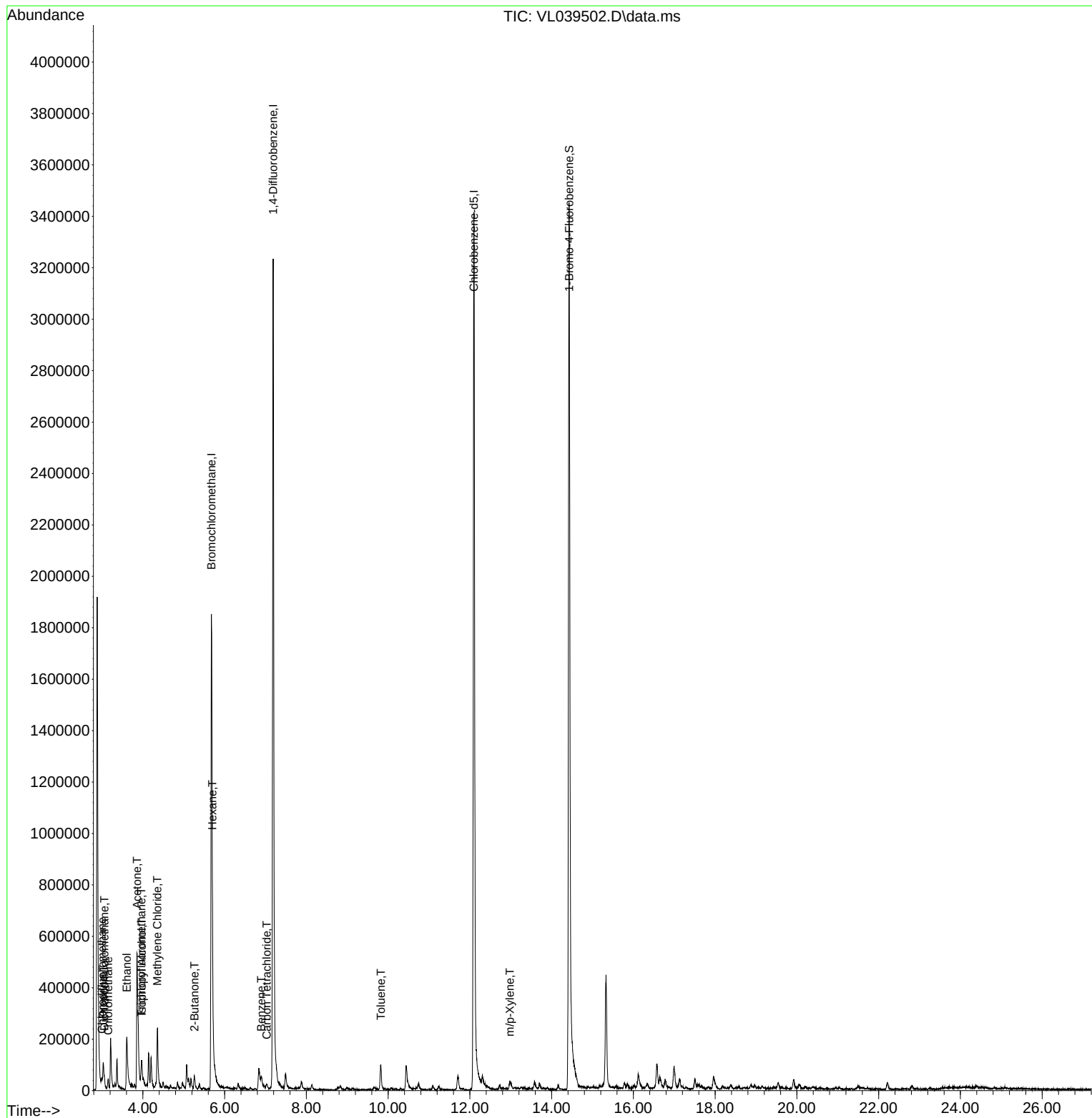
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
Data File : VL039502.D
Acq On : 20 Jul 2022 5:14
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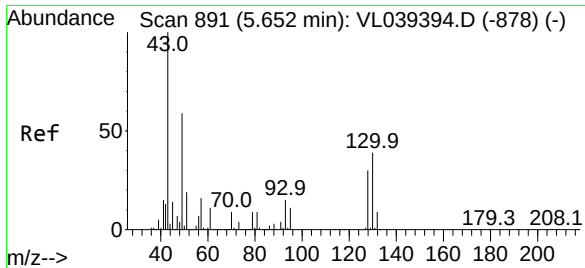
Instrument :
MSVOA_L
ClientSampleId :
OA-1

Quant Time: Jul 20 07:28:26 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

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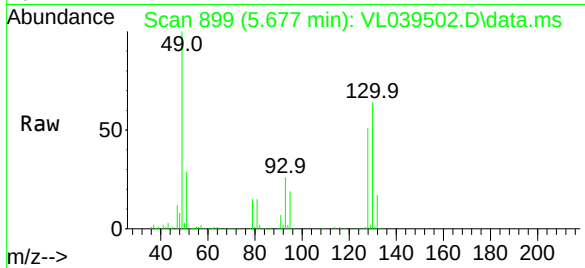
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.677 min Scan# 84
Delta R.T. 0.026 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

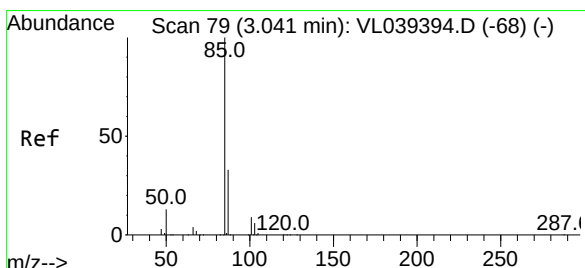
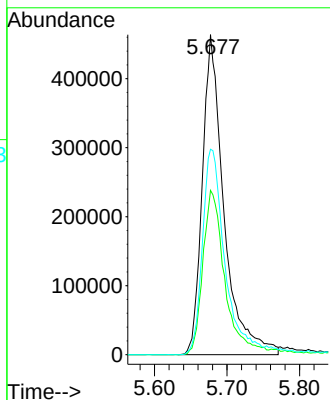
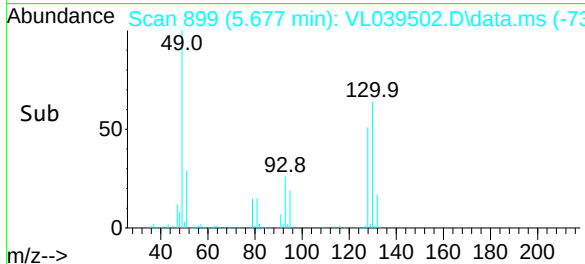
Instrument :
MSVOA_L
ClientSampleId :
OA-1



Tgt Ion: 49 Resp: 960944
Ion Ratio Lower Upper
49 100
128 54.4 26.7 80.0
130 70.4 34.3 102.8

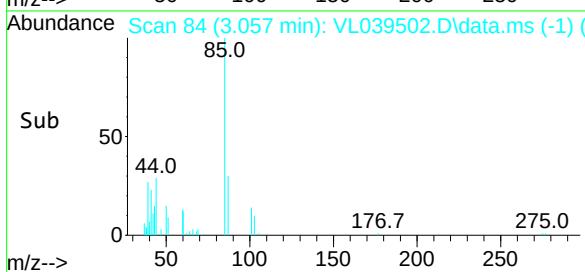
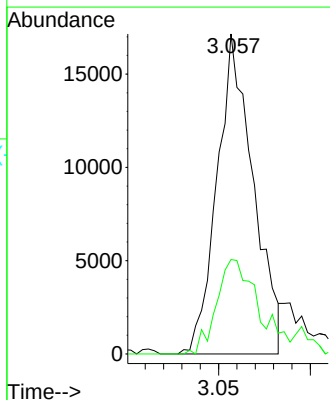
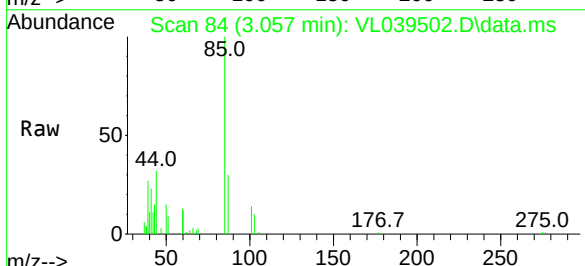
Manual Integrations
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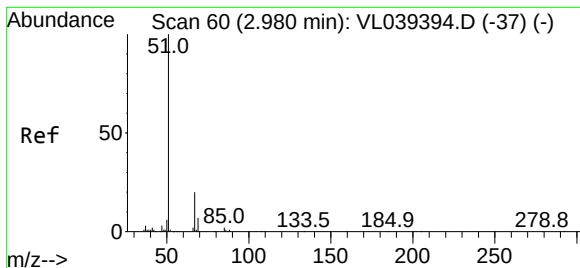
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#2
Dichlorodifluoromethane
Concen: 0.170 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

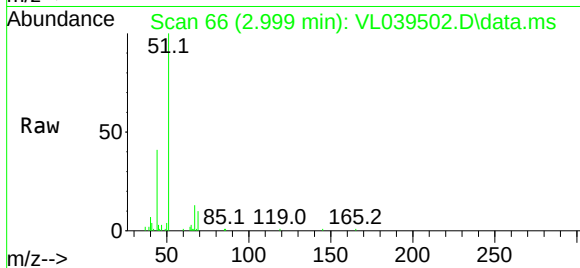
Tgt Ion: 85 Resp: 23520
Ion Ratio Lower Upper
85 100
87 29.5 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.336 ppbv m
RT: 2.999 min Scan# 60
Delta R.T. 0.019 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

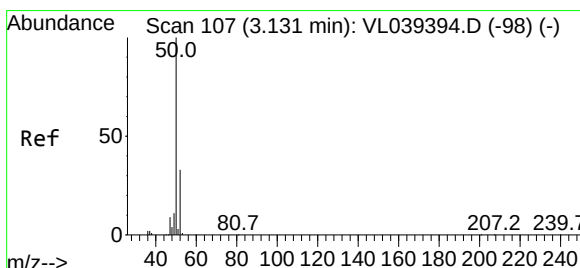
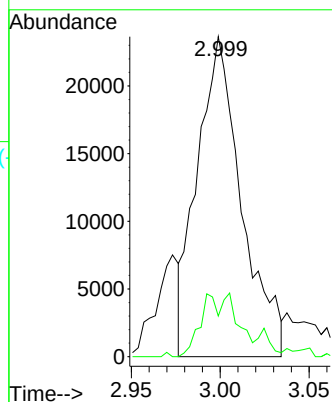
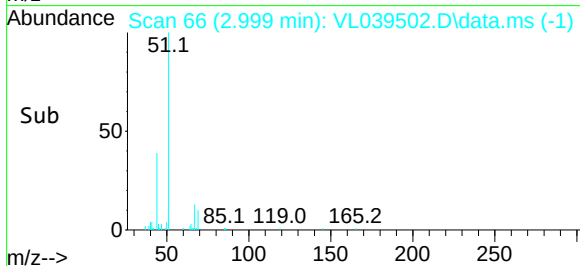
Instrument :
MSVOA_L
ClientSampleId :
OA-1



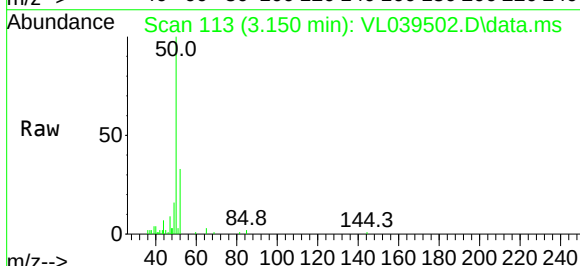
Tgt Ion: 51 Resp: 4096
Ion Ratio Lower Upper
51 100
67 19.8 15.7 23.5

Manual Integrations
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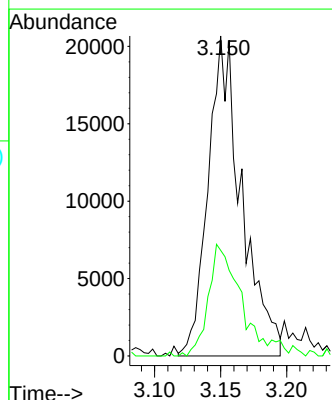
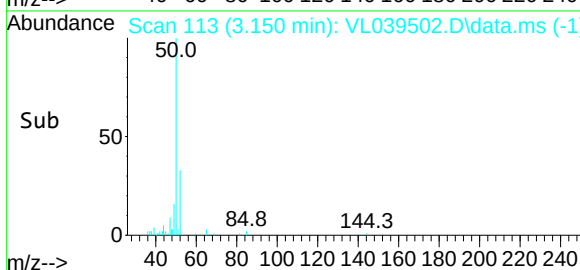
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

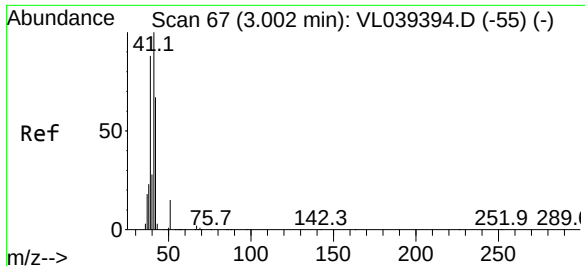


#4
Chloromethane
Concen: 0.546 ppbv m
RT: 3.150 min Scan# 113
Delta R.T. 0.019 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14



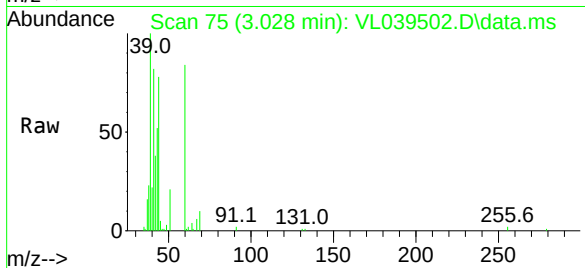
Tgt Ion: 50 Resp: 36406
Ion Ratio Lower Upper
50 100
52 33.0 26.5 39.7





#9
 Propene
 Concen: 0.497 ppbv
 RT: 3.028 min Scan# 71
 Delta R.T. 0.026 min
 Lab File: VL039502.D
 Acq: 20 Jul 2022 5:14

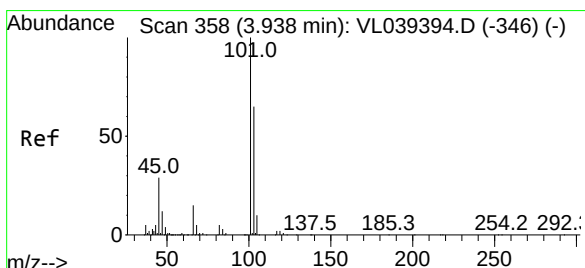
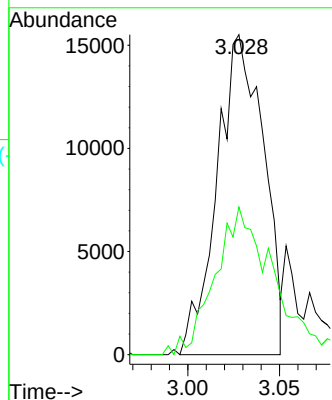
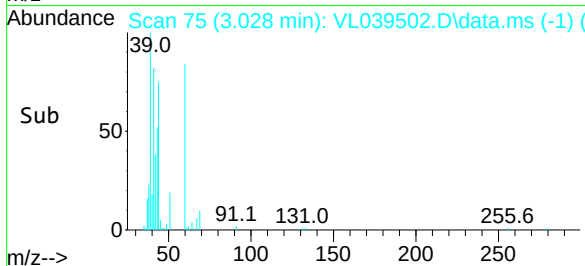
Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1



Tgt Ion: 41 Resp: 27374
 Ion Ratio Lower Upper
 41 100
 42 58.9 55.2 82.8

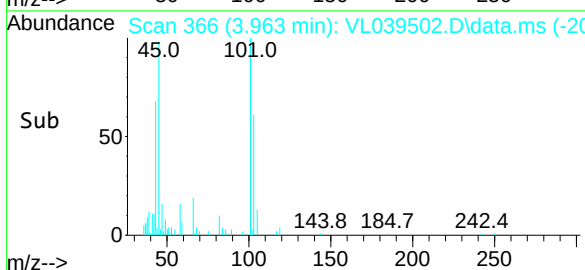
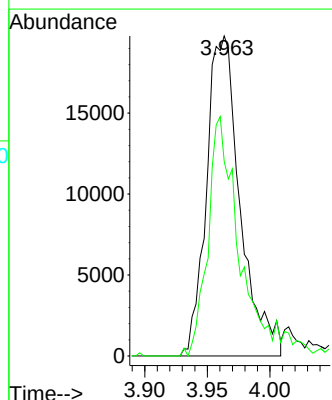
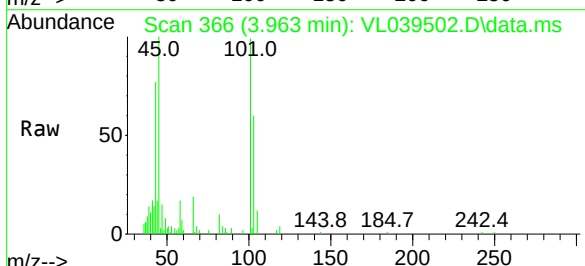
Manual Integrations
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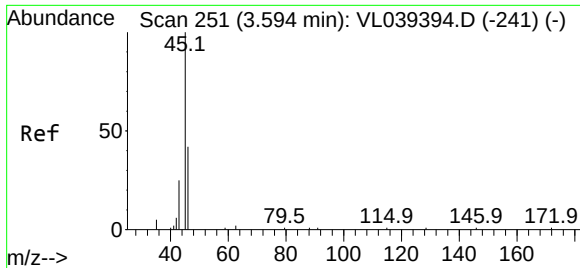
Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022



#11
 Trichlorofluoromethane
 Concen: 0.240 ppbv m
 RT: 3.963 min Scan# 366
 Delta R.T. 0.026 min
 Lab File: VL039502.D
 Acq: 20 Jul 2022 5:14

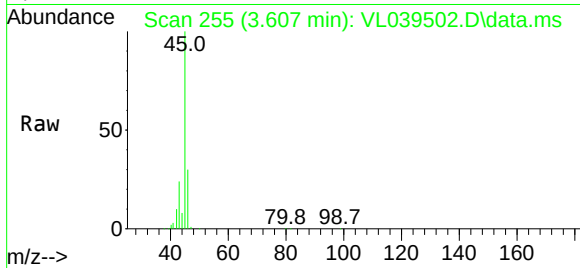
Tgt Ion:101 Resp: 37035
 Ion Ratio Lower Upper
 101 100
 103 60.8 51.8 77.8





#13
Ethanol
Concen: 94.515 ppbv
RT: 3.607 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

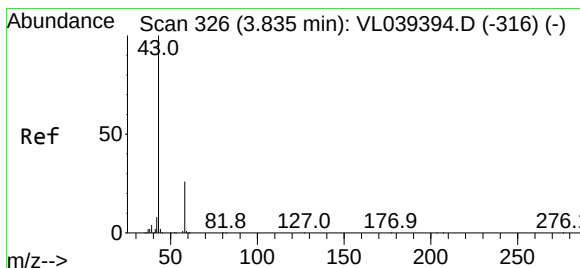
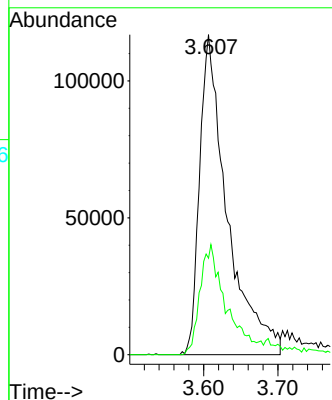
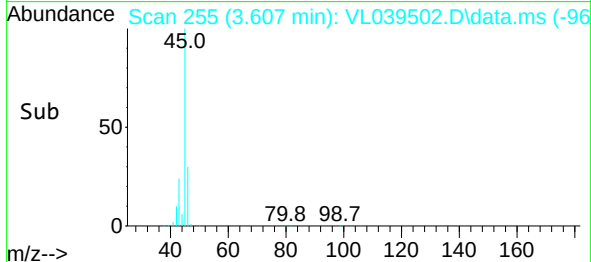
Instrument :
MSVOA_L
ClientSampleId :
OA-1



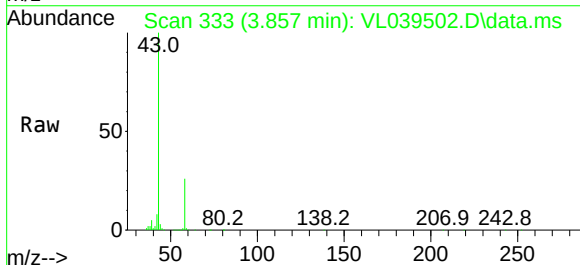
Tgt Ion: 45 Resp: 301908
Ion Ratio Lower Upper
45 100
46 37.5 22.8 91.2

Manual Integrations
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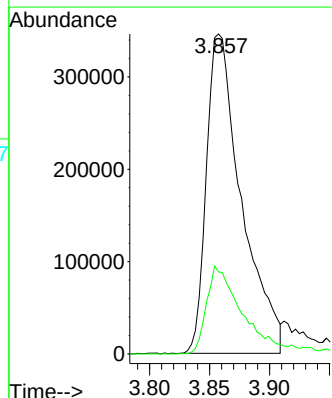
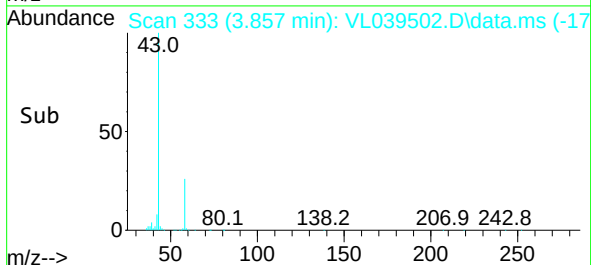
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

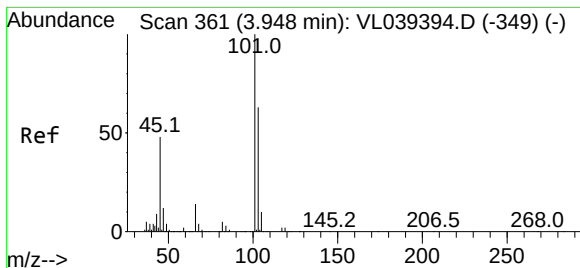


#15
Acetone
Concen: 6.184 ppbv
RT: 3.857 min Scan# 333
Delta R.T. 0.022 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14



Tgt Ion: 43 Resp: 703086
Ion Ratio Lower Upper
43 100
58 31.2 21.0 31.6





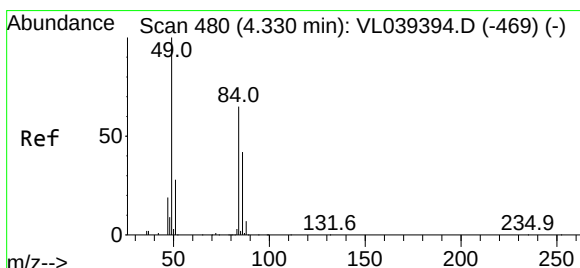
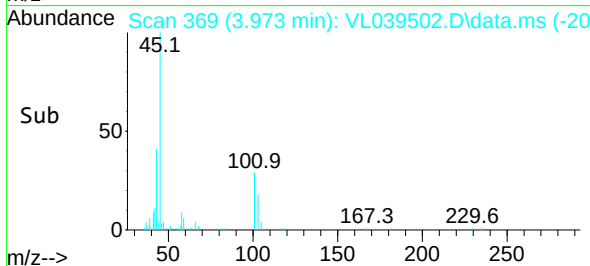
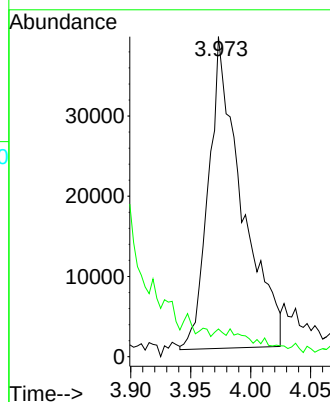
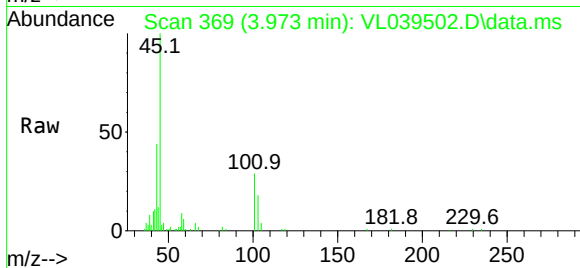
#19
Isopropyl Alcohol
Concen: 1.237 ppbv
RT: 3.973 min Scan# 369
Delta R.T. 0.026 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 45 Resp: 7500
Ion Ratio Lower Upper
45 100
58 10.9 3.2 4.8

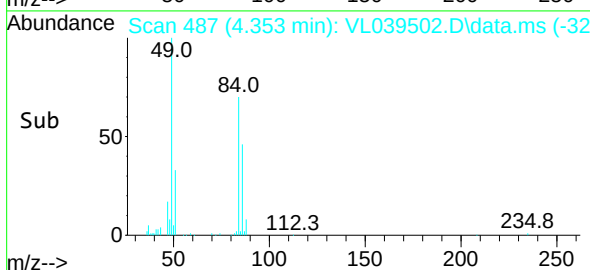
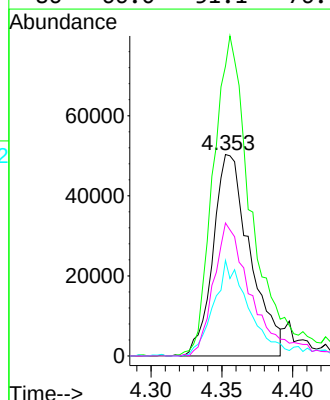
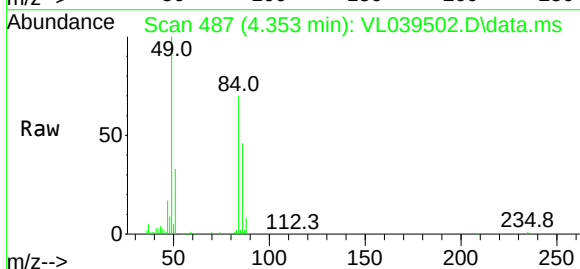
Manual Integrations
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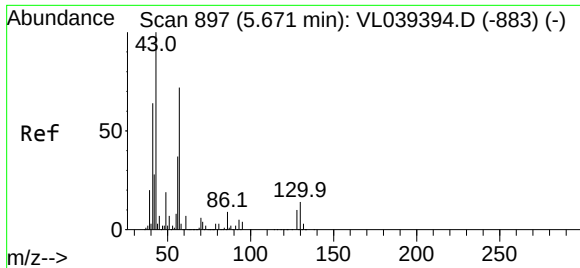
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#20
Methylene Chloride
Concen: 2.017 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.022 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

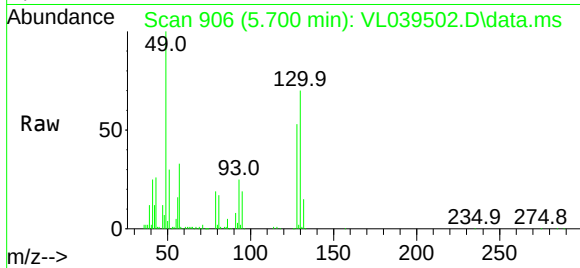
Tgt Ion: 84 Resp: 91389
Ion Ratio Lower Upper
84 100
49 143.2 123.1 184.7
51 47.4 34.4 51.6
86 66.0 51.1 76.7





#26
Hexane
Concen: 1.011 ppbv
RT: 5.700 min Scan# 906
Delta R.T. 0.029 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

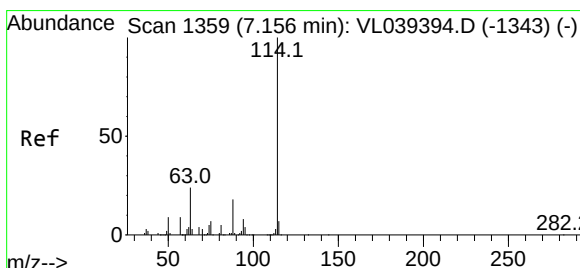
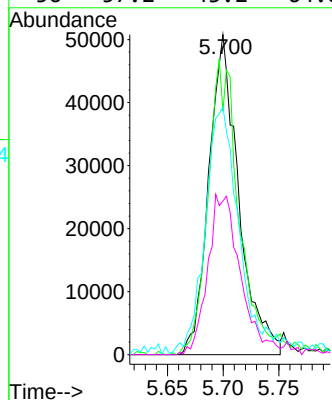
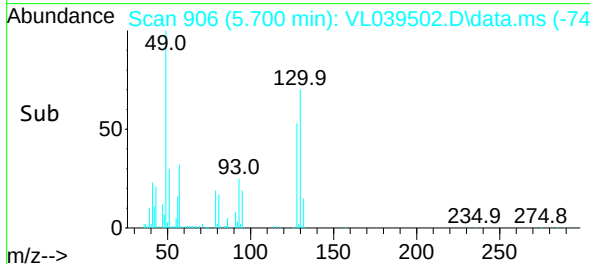
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ClientSampleId :
OA-1



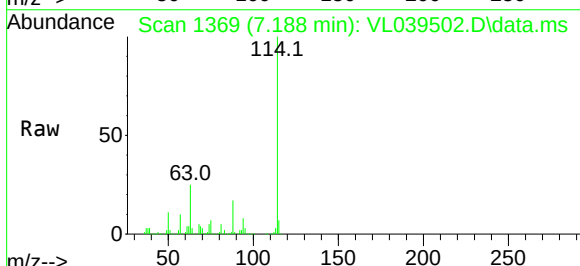
Tgt Ion: 57 Resp: 95023
Ion Ratio Lower Upper
57 100
41 99.3 76.9 115.3
43 84.0 191.0 286.6
56 57.2 43.2 64.8

Manual Integrations
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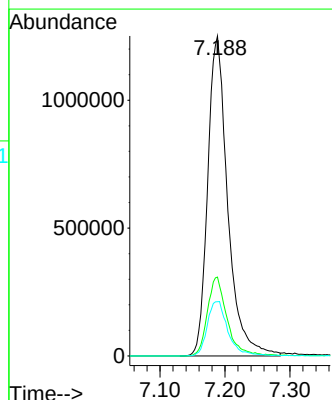
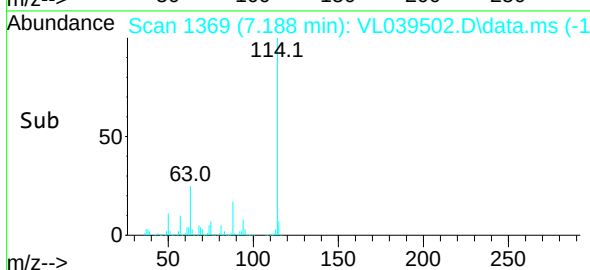
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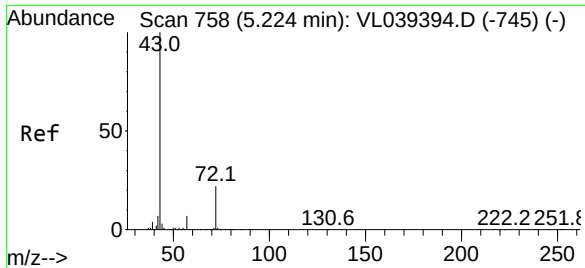


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.188 min Scan# 1369
Delta R.T. 0.032 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14



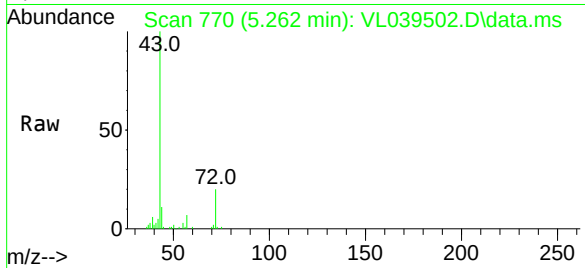
Tgt Ion:114 Resp: 2683465
Ion Ratio Lower Upper
114 100
63 24.6 20.2 30.4
88 17.7 14.5 21.7





#34
2-Butanone
Concen: 0.450 ppbv
RT: 5.262 min Scan# 71
Delta R.T. 0.038 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

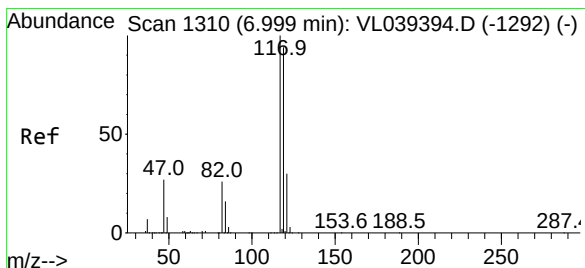
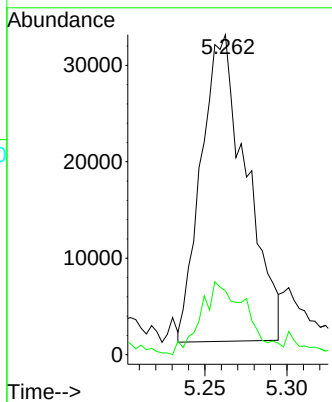
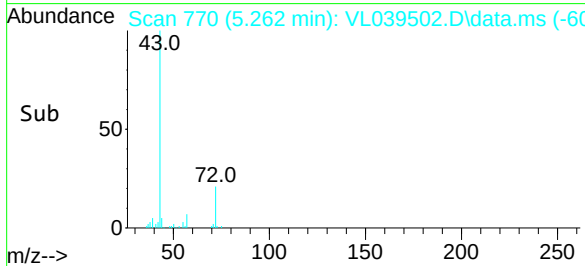
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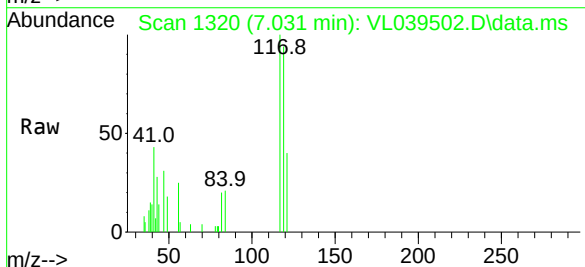
Tgt Ion: 43 Resp: 6083
Ion Ratio Lower Upper
43 100
72 28.0 17.9 26.9

Manual Integrations
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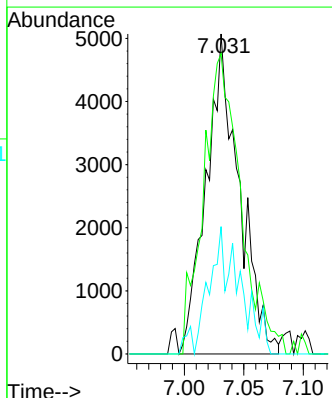
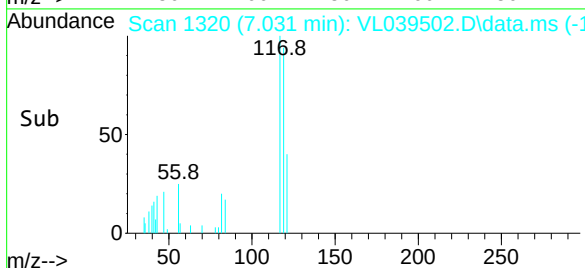
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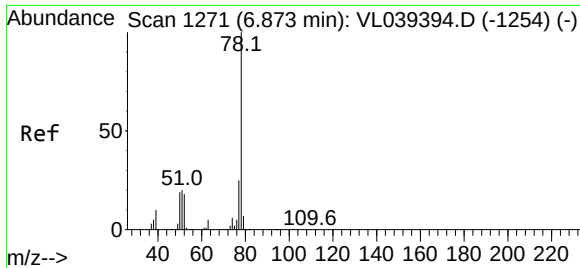


#35
Carbon Tetrachloride
Concen: 0.059 ppbv m
RT: 7.031 min Scan# 1320
Delta R.T. 0.032 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14



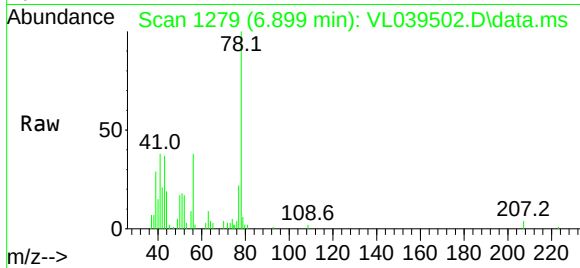
Tgt Ion:117 Resp: 9758
Ion Ratio Lower Upper
117 100
119 93.9 75.4 113.2
121 39.8 24.2 36.2





#36
Benzene
Concen: 0.122 ppbv m
RT: 6.899 min Scan# 1279
Delta R.T. 0.026 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

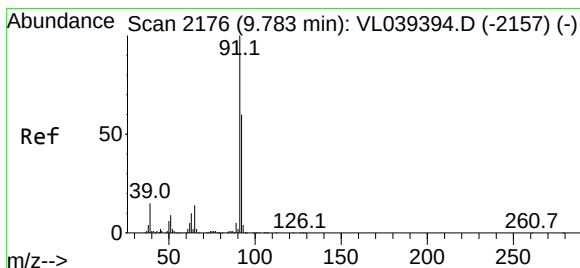
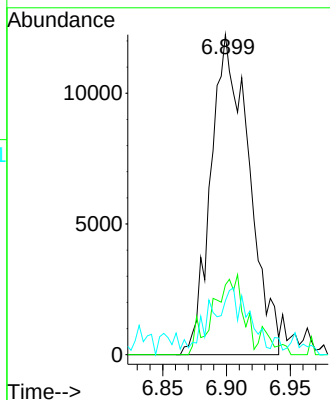
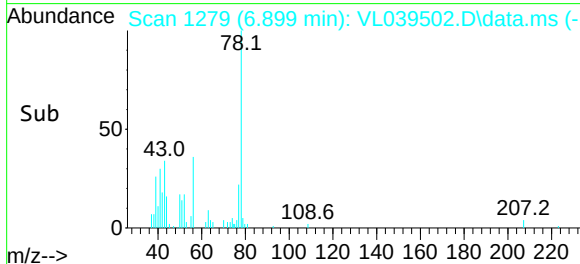
Instrument :
MSVOA_L
ClientSampleId :
OA-1



Tgt Ion: 78 Resp: 25379
Ion Ratio Lower Upper
78 100
77 21.8 20.3 30.5
50 16.9 15.5 23.3

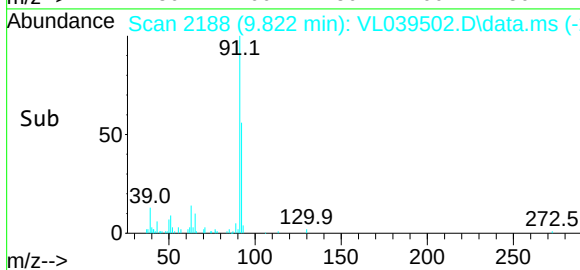
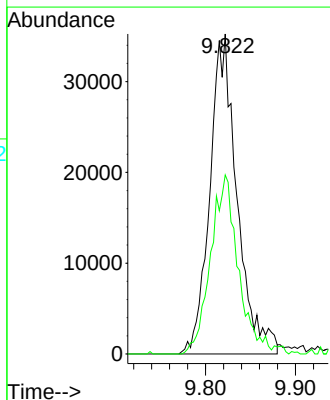
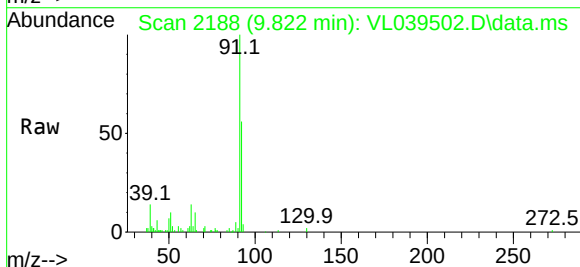
Manual Integrations
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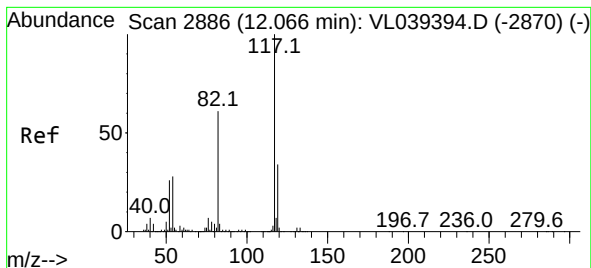
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#53
Toluene
Concen: 0.309 ppbv m
RT: 9.822 min Scan# 2188
Delta R.T. 0.038 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion: 91 Resp: 73957
Ion Ratio Lower Upper
91 100
92 57.6 48.2 72.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.098 min Scan# 21

Delta R.T. 0.032 min

Lab File: VL039502.D

Acq: 20 Jul 2022 5:14

Instrument :

MSVOA_L

ClientSampleId :

OA-1

Tgt Ion:117 Resp: 235294

Ion Ratio Lower Upper

117 100

82 66.4 50.8 76.2

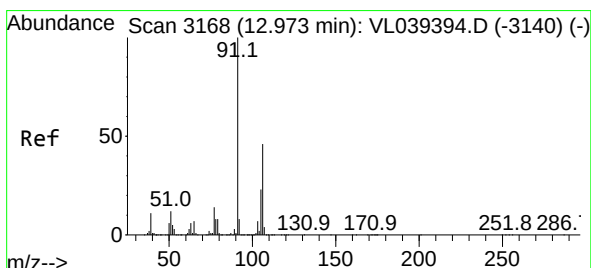
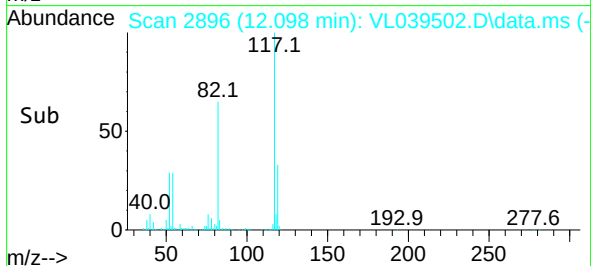
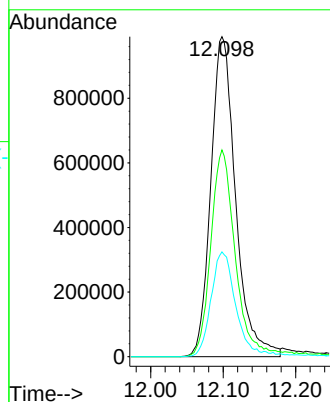
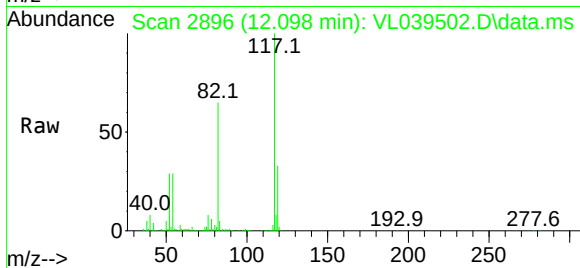
119 33.5 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022

Supervised By :Mahesh Dadoda 07/21/2022



#59

m/p-Xylene

Concen: 0.122 ppbv m

RT: 12.979 min Scan# 3170

Delta R.T. 0.006 min

Lab File: VL039502.D

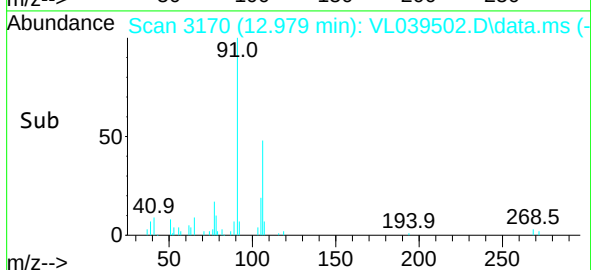
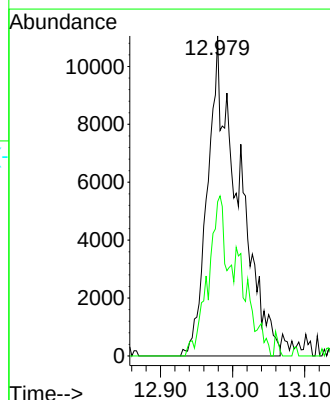
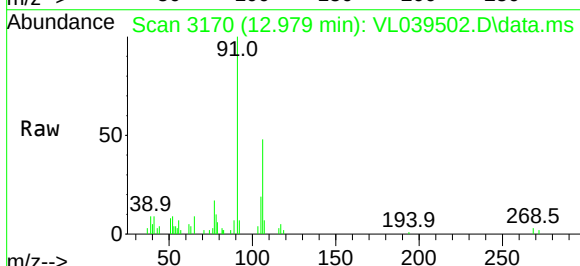
Acq: 20 Jul 2022 5:14

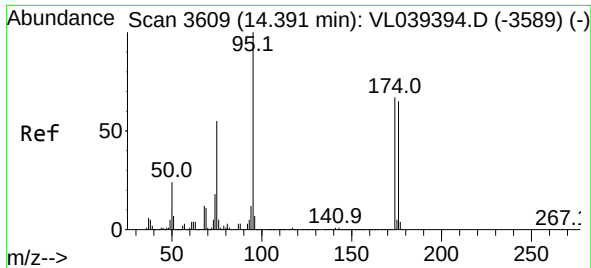
Tgt Ion: 91 Resp: 32724

Ion Ratio Lower Upper

91 100

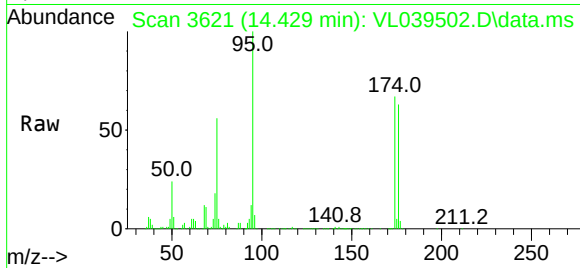
106 0.0 35.4 53.2#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.056 ppbv
 RT: 14.429 min Scan# 30
 Delta R.T. 0.038 min
 Lab File: VL039502.D
 Acq: 20 Jul 2022 5:14

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1



Tgt Ion: 95 Resp: 175535

Ion	Ratio	Lower	Upper
95	100		
174	73.2	55.9	83.9
175	5.7	4.2	6.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022

