

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040338.D
 Acq On : 12 Apr 2023 13:18
 Operator : SY/MD
 Sample : 02302-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-17_20230411

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 05:37:30 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Apr 11 04:15:53 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1130956	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2798536	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2549948	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	2088152	9.779	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						Qvalue
9) Propene	2.684	41	220430	4.046	ppbv	85
10) Heptane	7.581	43	27790m	0.212	ppbv	
13) Ethanol	3.227	45	394901	98.828	ppbv	99
15) Acetone	3.456	43	2950833	21.432	ppbv	95
17) tert-Butyl alcohol	3.877	59	122198	0.934	ppbv	96
19) Isopropyl Alcohol	3.568	45	356435	5.404	ppbv #	90
20) Methylene Chloride	3.928	84	1179857	20.369	ppbv	95
26) Hexane	5.211	57	1095253	10.351	ppbv #	36
27) Carbon Disulfide	4.118	76	110205	0.746	ppbv #	85
29) Chloroform	5.275	83	19275	0.103	ppbv	96
34) 2-Butanone	4.787	43	149747	1.084	ppbv	96
36) Benzene	6.369	78	57960m	0.272	ppbv	
38) Trichloroethene	7.298	130	3607m	0.031	ppbv	
50) 4-Methyl-2-Pentanone	8.205	43	68621m	0.321	ppbv	
52) Tetrachloroethene	10.629	164	21862m	0.339	ppbv	
53) Toluene	9.230	91	199972	0.895	ppbv	98
58) Ethyl Benzene	12.098	91	58915	0.203	ppbv #	84
59) m/p-Xylene	12.355	91	231814m	0.872	ppbv	
60) o-Xylene	13.066	91	85024m	0.334	ppbv	
69) p-Isopropyltoluene	17.005	119	49740m	0.143	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	74358m	0.259	ppbv	
75) 1,3-Dichlorobenzene	16.339	146	95503m	0.614	ppbv	
79) Naphthalene	21.403	128	33162m	0.195	ppbv	

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

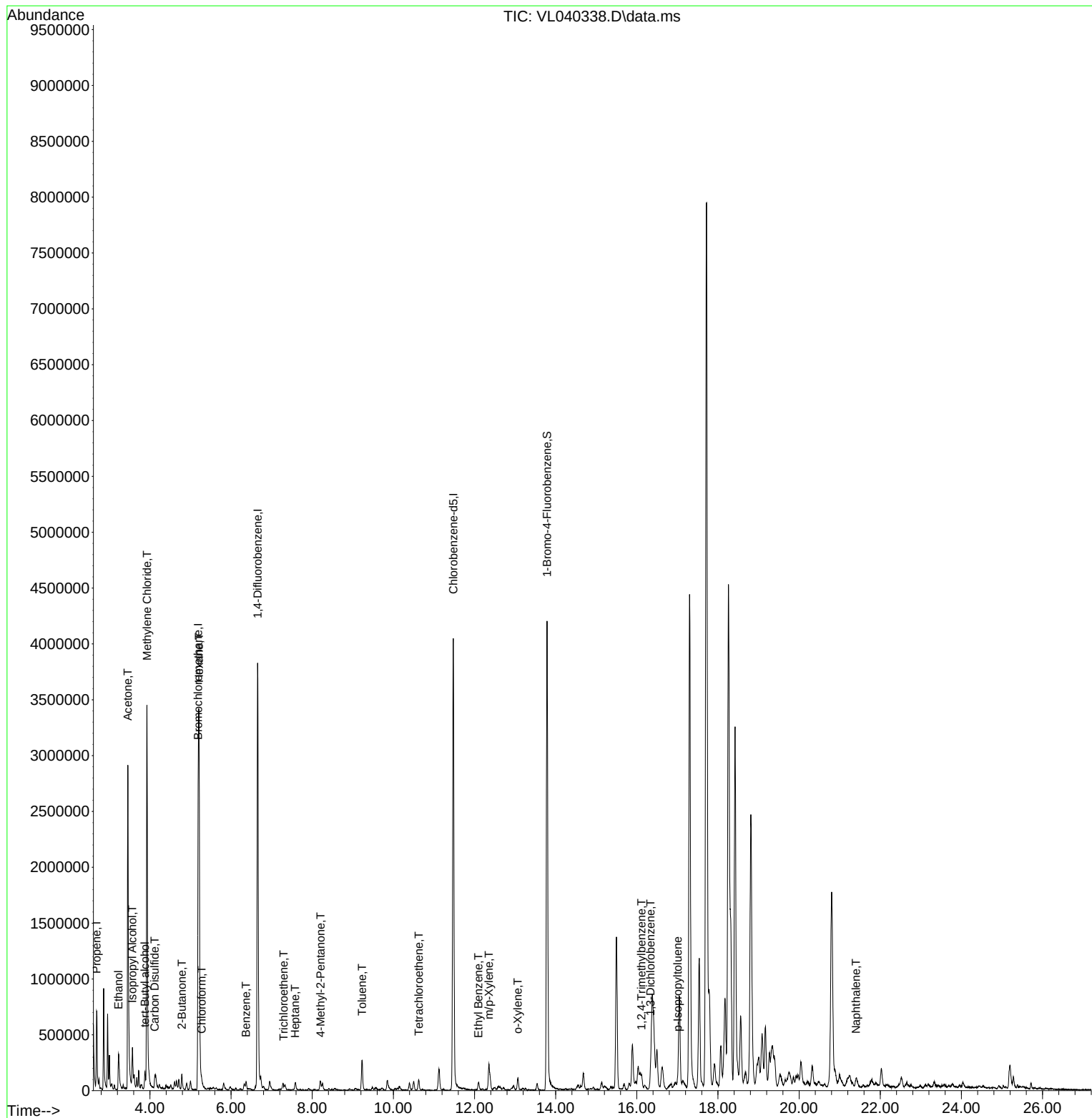
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
Data File : VL040338.D
Acq On : 12 Apr 2023 13:18
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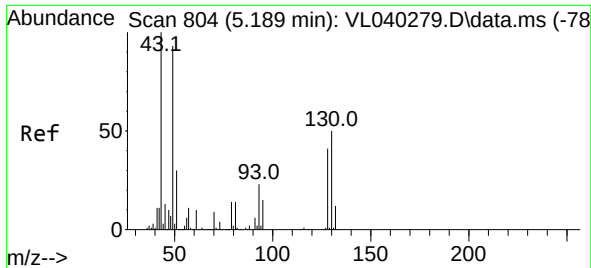
Instrument :
MSVOA_L
ClientSampleId :
SV-17_20230411

Quant Time: Apr 13 05:37:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Apr 11 04:15:53 2023
Response via : Initial Calibration

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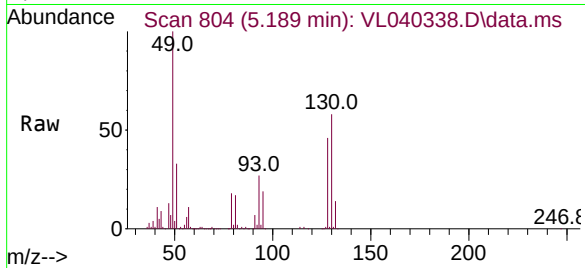
Reviewed By : Semsettin Yesilyurt 04/13/2023
Supervised By : Mahesh Dadoda 04/13/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.000 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

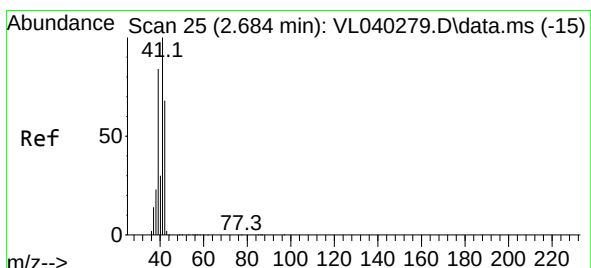
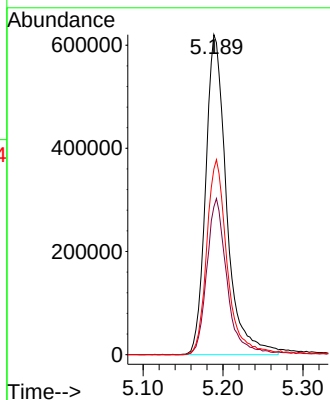
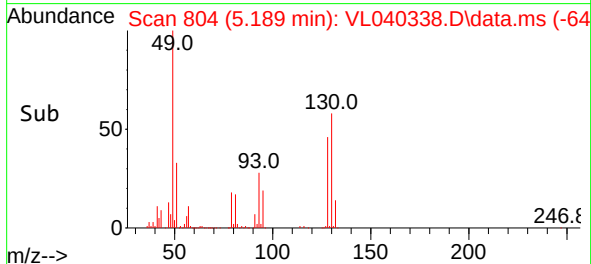
Instrument :
MSVOA_L
ClientSampleId :
SV-17_20230411



Tgt Ion: 49 Resp: 1130950
Ion Ratio Lower Upper
49 100
128 47.9 22.4 67.3
130 61.2 28.7 86.1

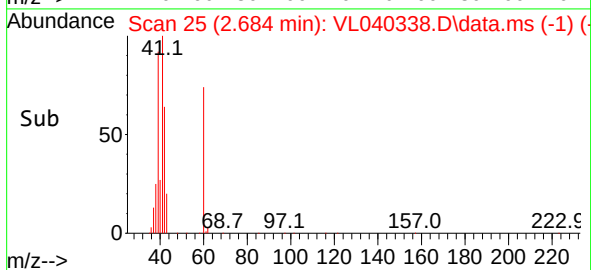
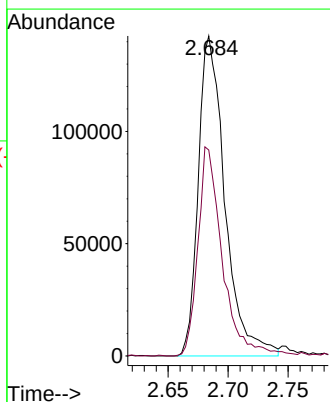
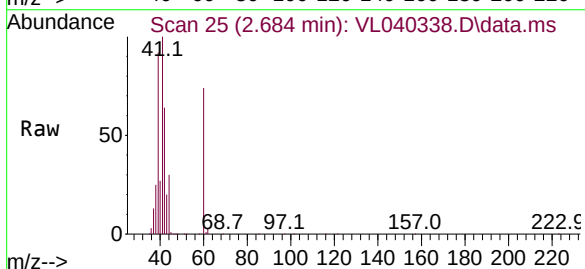
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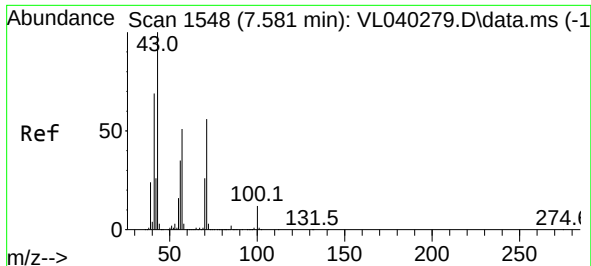
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#9
Propene
Concen: 4.046 ppbv
RT: 2.684 min Scan# 25
Delta R.T. -0.000 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

Tgt Ion: 41 Resp: 220430
Ion Ratio Lower Upper
41 100
42 60.8 59.0 88.4





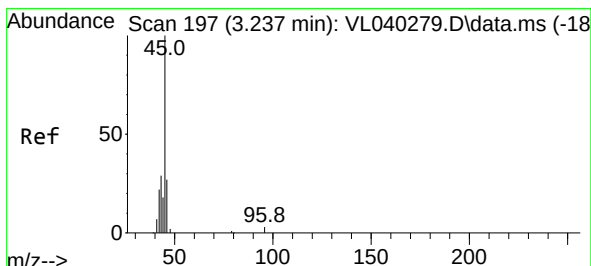
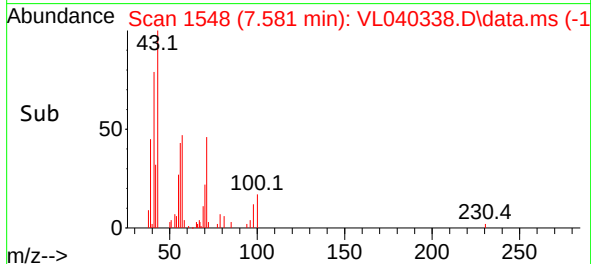
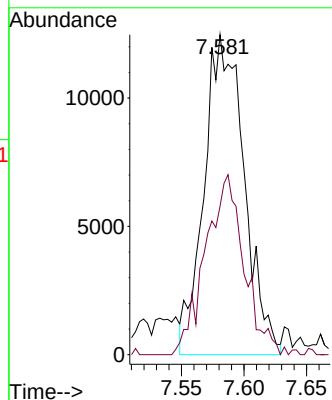
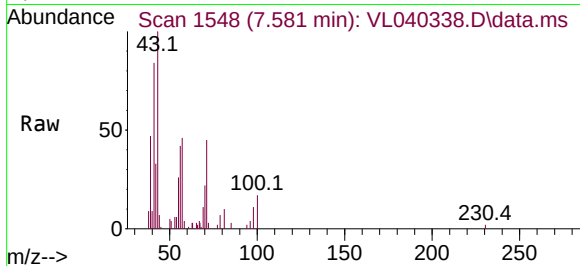
#10
Heptane
Concen: 0.212 ppbv m
RT: 7.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

Instrument :
MSVOA_L
ClientSampleId :
SV-17_20230411

Tgt Ion: 43 Resp: 27790
Ion Ratio Lower Upper
43 100
57 0.0 41.7 62.5

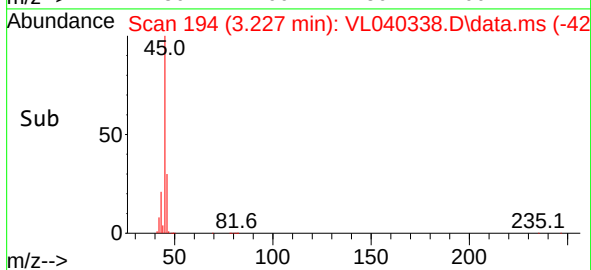
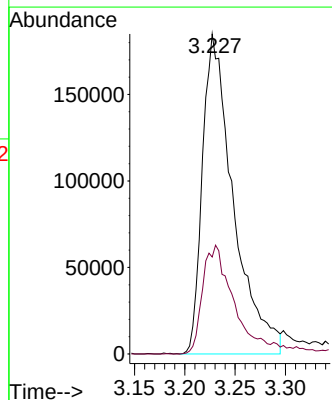
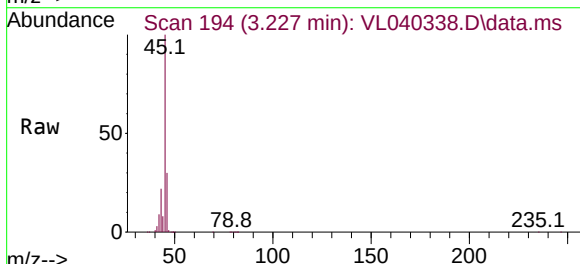
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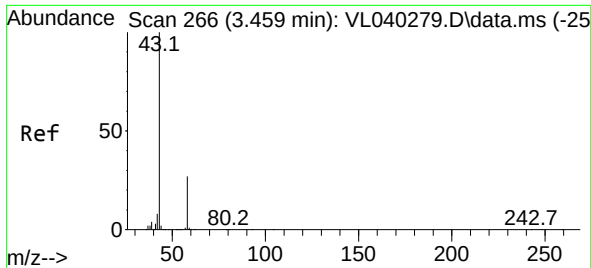
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#13
Ethanol
Concen: 98.828 ppbv
RT: 3.227 min Scan# 194
Delta R.T. -0.010 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

Tgt Ion: 45 Resp: 394901
Ion Ratio Lower Upper
45 100
46 37.1 15.0 60.2





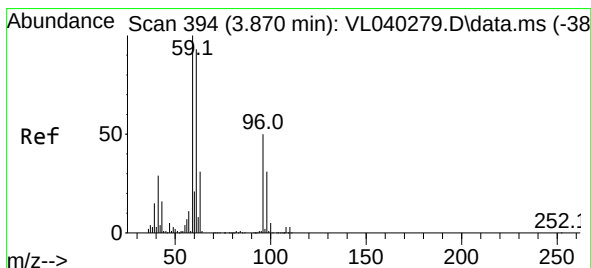
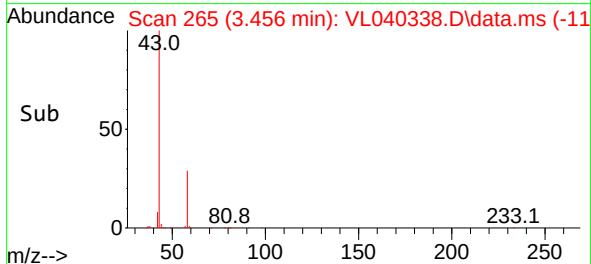
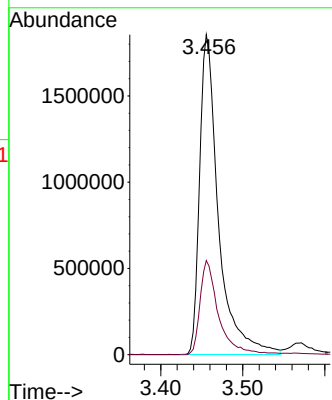
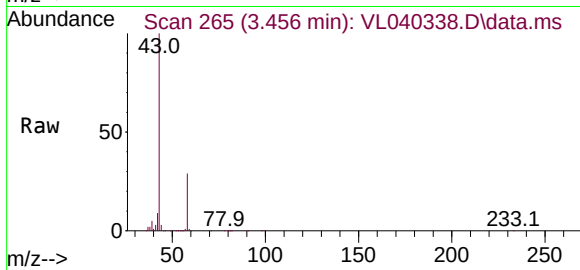
#15
Acetone
Concen: 21.432 ppbv
RT: 3.456 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

Instrument :
MSVOA_L
ClientSampleId :
SV-17_20230411

Tgt Ion: 43 Resp: 295083
Ion Ratio Lower Upper
43 100
58 30.1 21.8 32.8

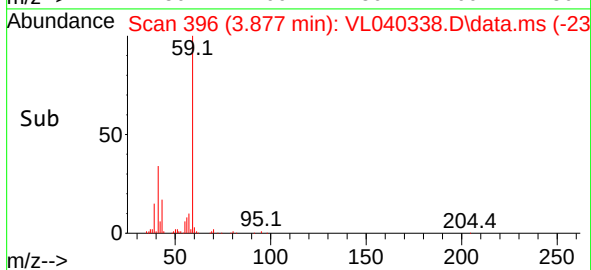
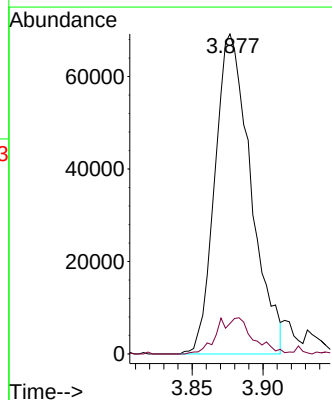
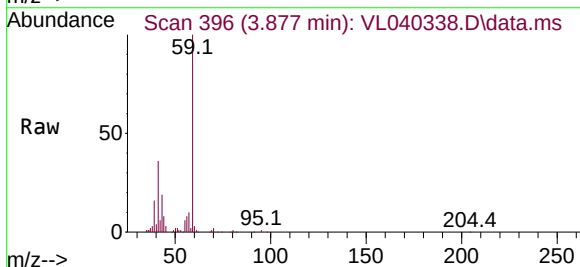
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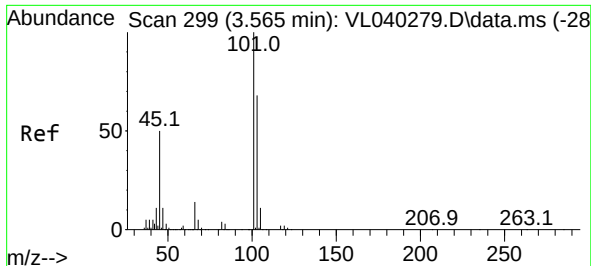
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#17
tert-Butyl alcohol
Concen: 0.934 ppbv
RT: 3.877 min Scan# 396
Delta R.T. 0.007 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

Tgt Ion: 59 Resp: 122198
Ion Ratio Lower Upper
59 100
57 12.2 8.5 12.7





#19

Isopropyl Alcohol

Concen: 5.404 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.003 min

Lab File: VL040338.D

Acq: 12 Apr 2023 13:18

Instrument :

MSVOA_L

ClientSampleId :

SV-17_20230411

Tgt Ion: 45 Resp: 35643

Ion Ratio Lower Upper

45 100

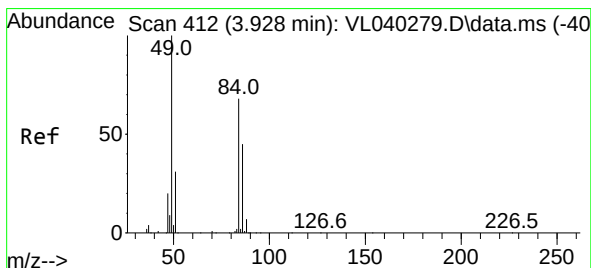
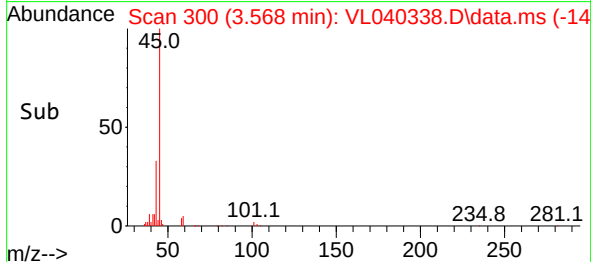
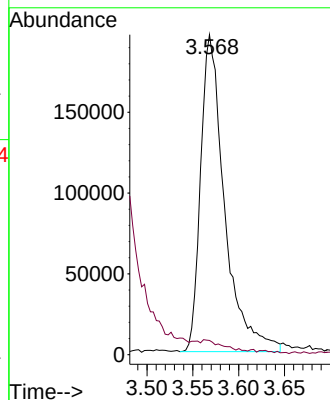
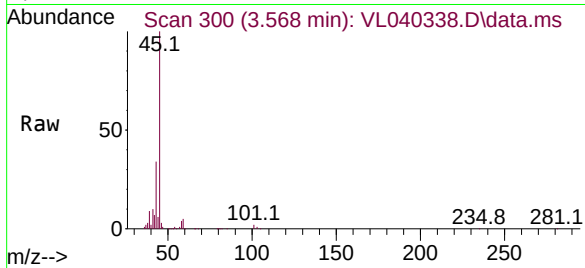
58 0.0 2.7 4.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#20

Methylene Chloride

Concen: 20.369 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL040338.D

Acq: 12 Apr 2023 13:18

Tgt Ion: 84 Resp: 1179857

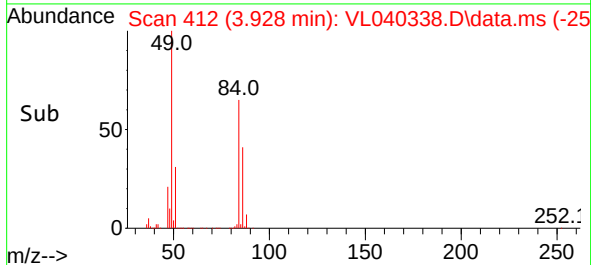
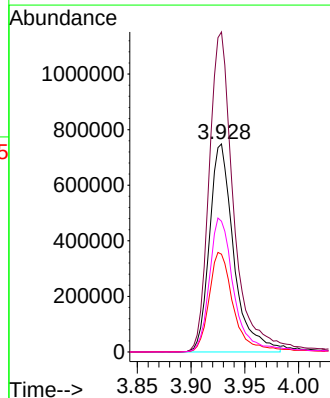
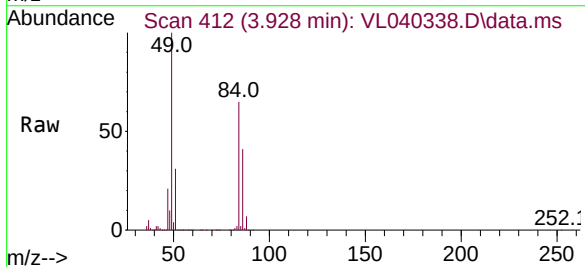
Ion Ratio Lower Upper

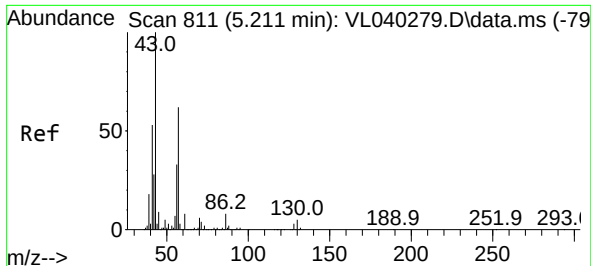
84 100

49 153.8 117.5 176.3

51 46.8 36.9 55.3

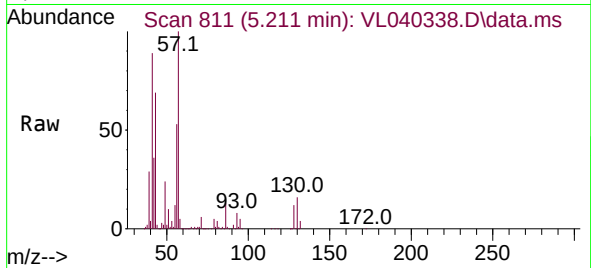
86 62.8 53.3 79.9





#26
Hexane
Concen: 10.351 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

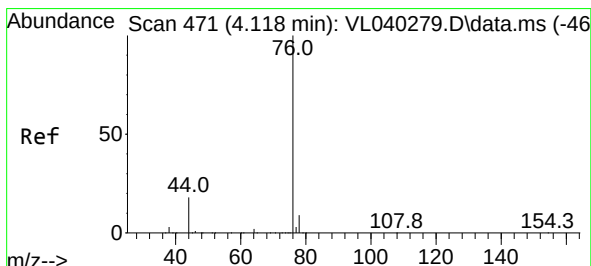
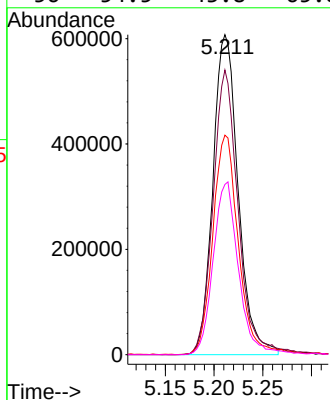
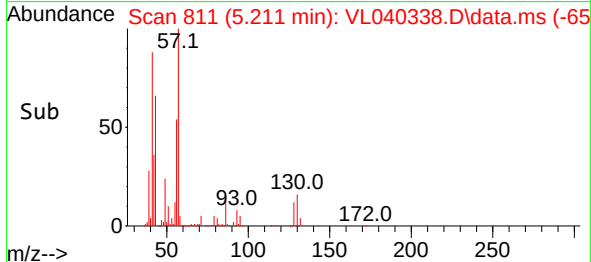
Instrument :
MSVOA_L
Client Sample Id :
SV-17_20230411



Tgt Ion: 57 Resp: 109525
Ion Ratio Lower Upper
57 100
41 89.3 73.5 110.3
43 70.1 196.3 294.5
56 54.5 43.8 65.8

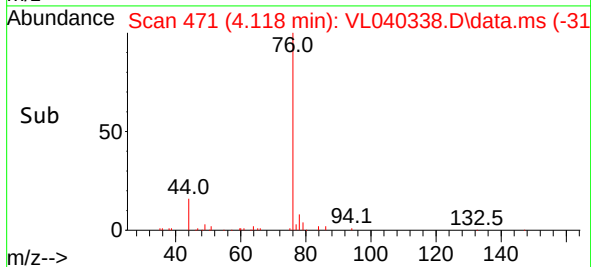
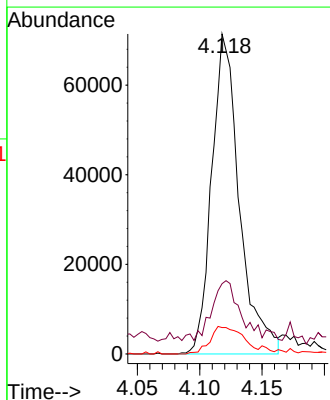
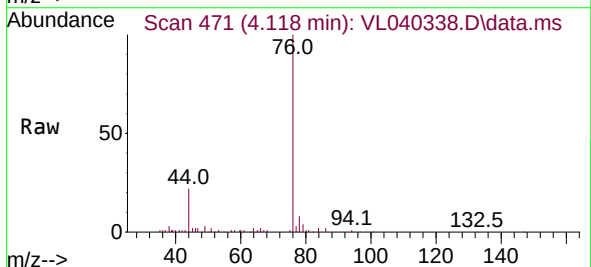
Manual Integrations
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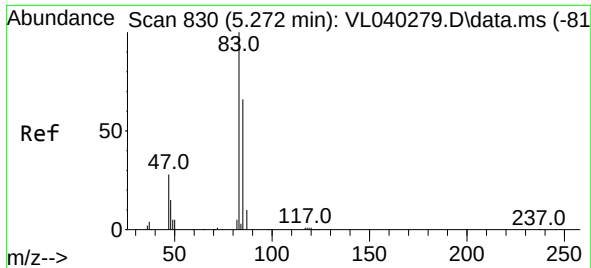
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#27
Carbon Disulfide
Concen: 0.746 ppbv
RT: 4.118 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

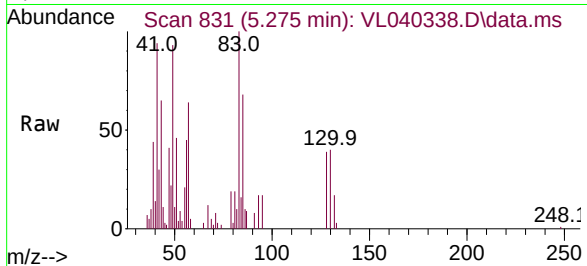
Tgt Ion: 76 Resp: 110205
Ion Ratio Lower Upper
76 100
44 27.3 15.2 22.8#
78 12.5 7.6 11.4#





#29
Chloroform
Concen: 0.103 ppbv
RT: 5.275 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

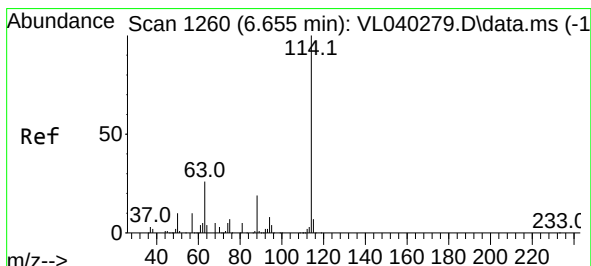
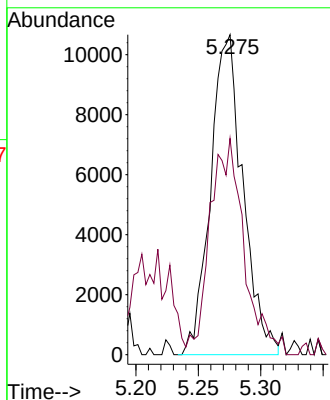
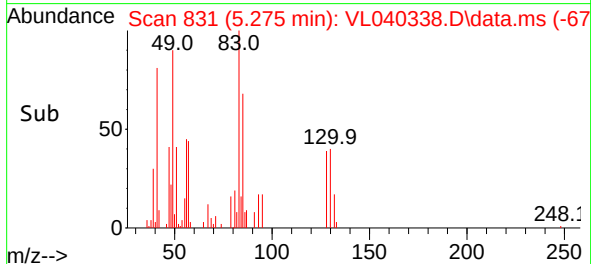
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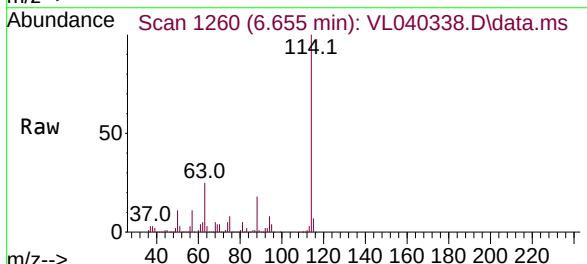
Tgt Ion: 83 Resp: 1927
Ion Ratio Lower Upper
83 100
85 62.8 52.8 79.2

Manual Integrations
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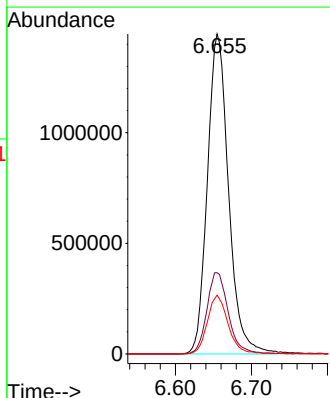
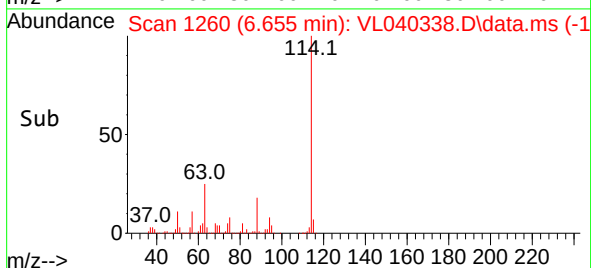
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Supervised By :Mahesh Dadoda 04/13/2023

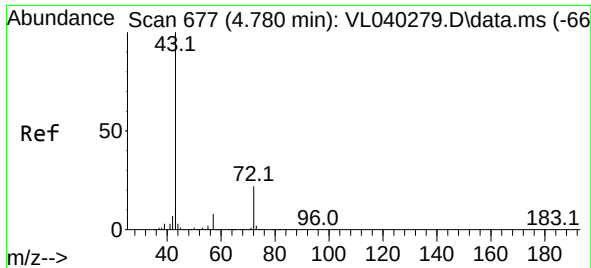


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.000 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18



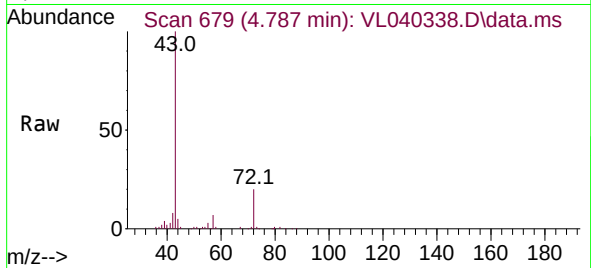
Tgt Ion:114 Resp: 2798536
Ion Ratio Lower Upper
114 100
63 26.0 21.2 31.8
88 18.1 14.5 21.7





#34
2-Butanone
Concen: 1.084 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

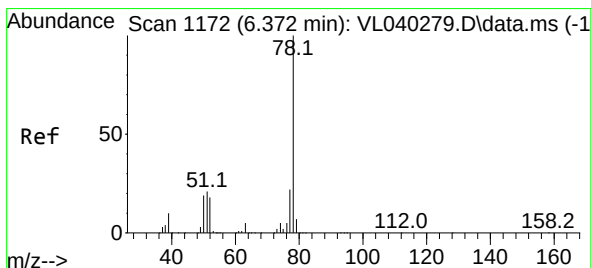
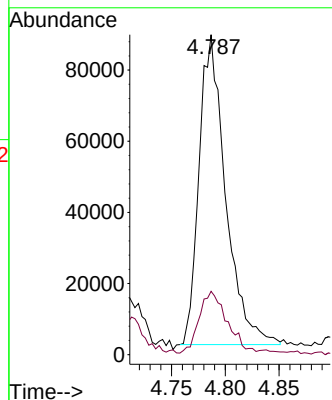
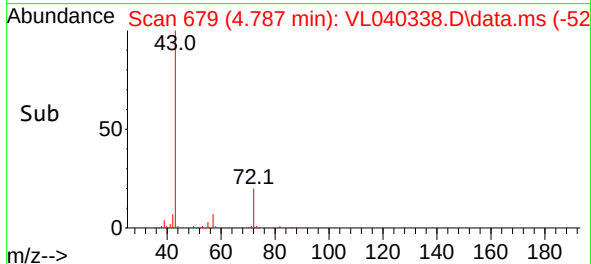
Instrument :
MSVOA_L
ClientSampleId :
SV-17_20230411



Tgt Ion: 43 Resp: 14974
Ion Ratio Lower Upper
43 100
72 24.9 18.3 27.5

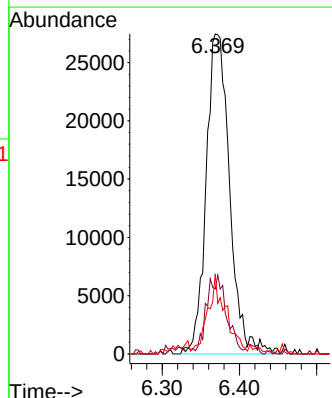
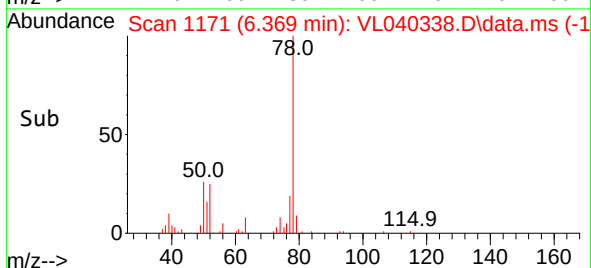
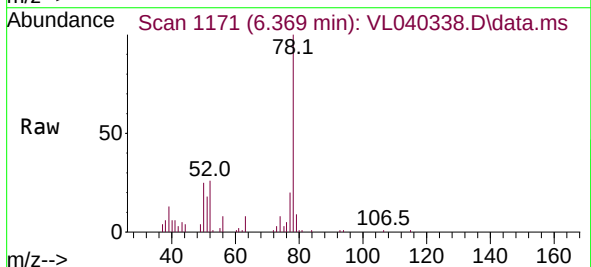
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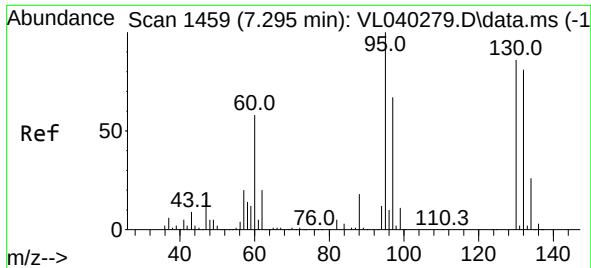
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#36
Benzene
Concen: 0.272 ppbv m
RT: 6.369 min Scan# 1171
Delta R.T. -0.003 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

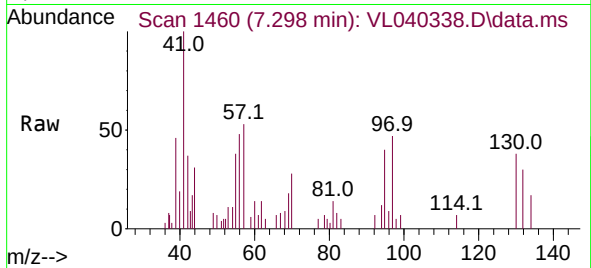
Tgt Ion: 78 Resp: 57960
Ion Ratio Lower Upper
78 100
77 20.3 17.8 26.8
50 25.0 15.4 23.2#





#38
Trichloroethene
Concen: 0.031 ppbv m
RT: 7.298 min Scan# 1459
Delta R.T. 0.003 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

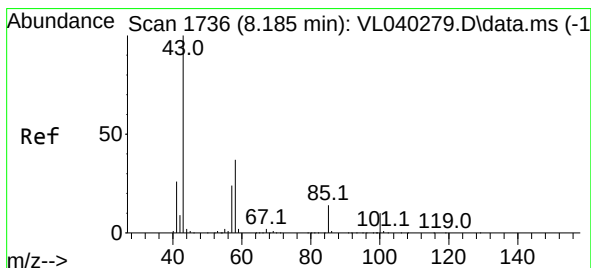
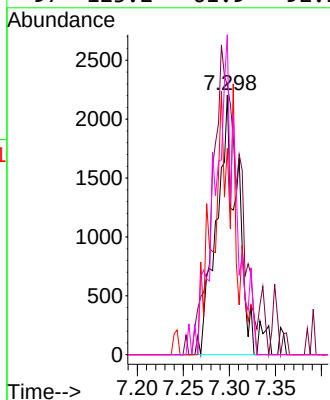
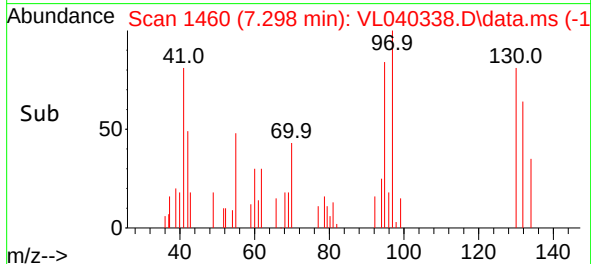
Instrument : MSVOA_L
ClientSampleId : SV-17_20230411



Tgt Ion: 130 Resp: 360
Ion Ratio Lower Upper
130 100
95 103.9 93.0 139.4
132 79.4 75.3 112.9
97 123.2 61.9 92.9#

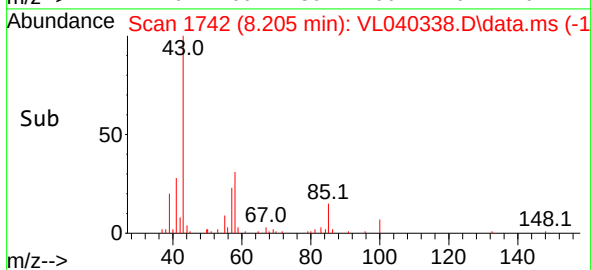
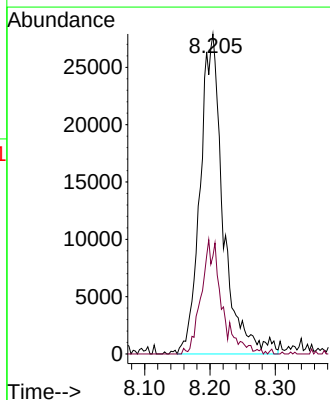
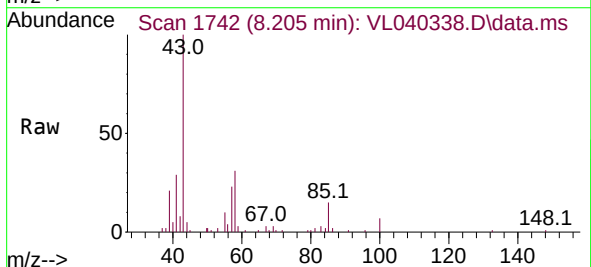
Manual Integrations
APPROVED

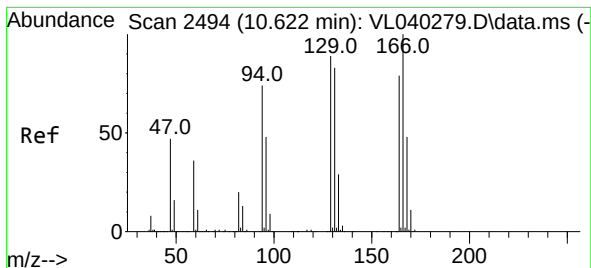
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#50
4-Methyl-2-Pentanone
Concen: 0.321 ppbv m
RT: 8.205 min Scan# 1742
Delta R.T. 0.020 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

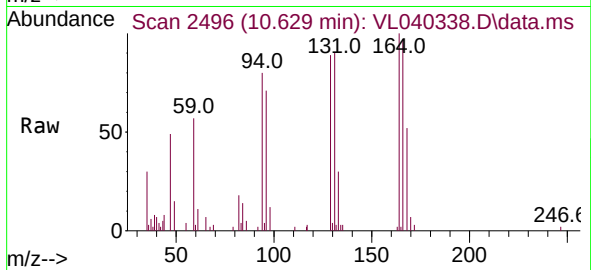
Tgt Ion: 43 Resp: 68621
Ion Ratio Lower Upper
43 100
58 32.2 29.2 43.8





#52
Tetrachloroethene
Concen: 0.339 ppbv m
RT: 10.629 min Scan# 2494
Delta R.T. 0.007 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

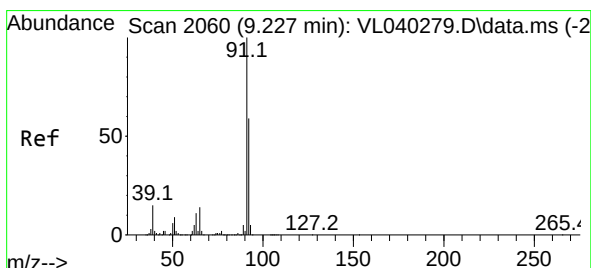
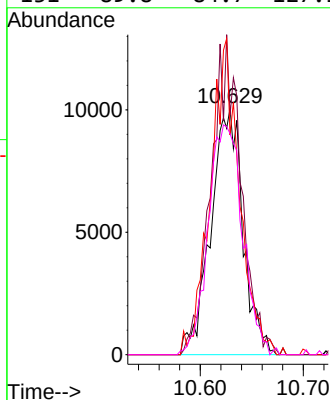
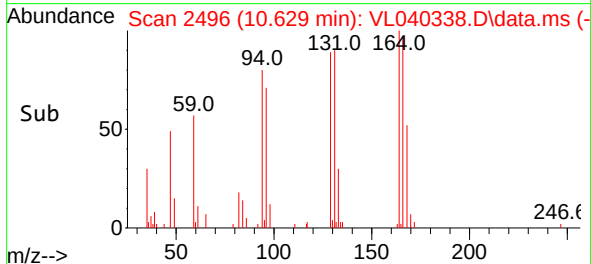
Instrument :
MSVOA_L
ClientSampleId :
SV-17_20230411



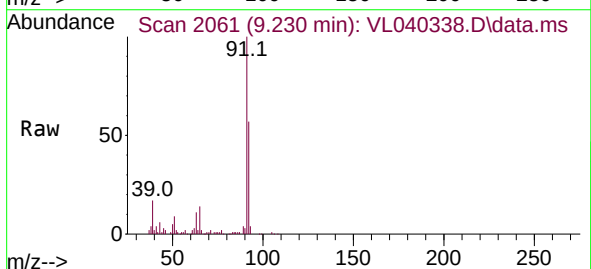
Tgt Ion:164 Resp: 21862
Ion Ratio Lower Upper
164 100
166 97.1 101.8 152.6
129 89.2 90.2 135.2
131 89.8 84.7 127.1

Manual Integrations
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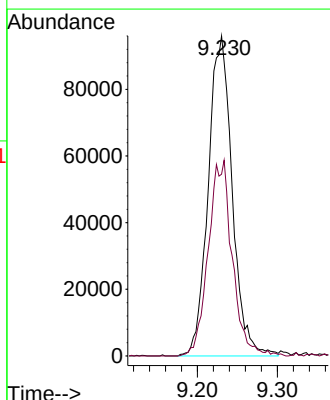
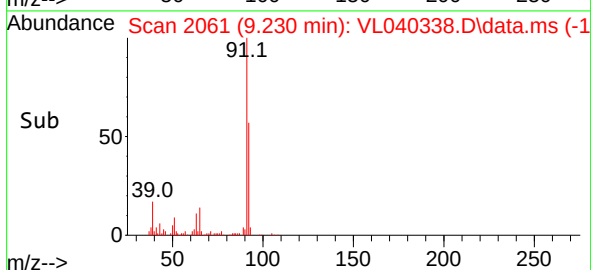
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

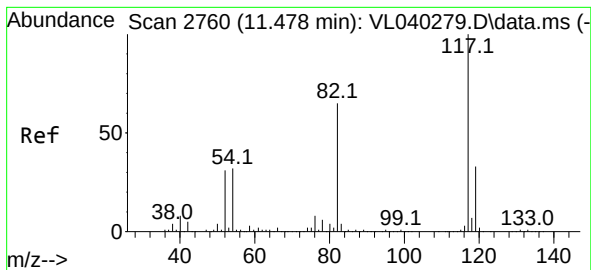


#53
Toluene
Concen: 0.895 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18



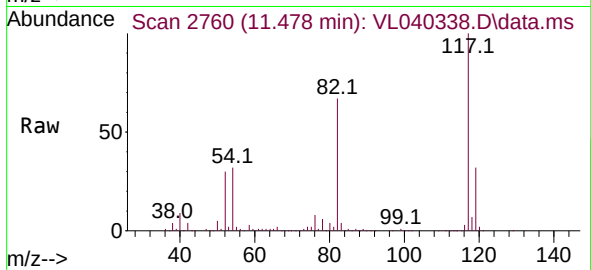
Tgt Ion: 91 Resp: 199972
Ion Ratio Lower Upper
91 100
92 61.2 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. -0.000 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

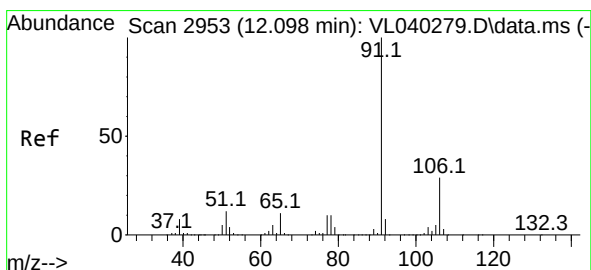
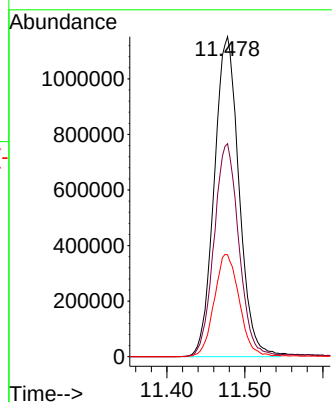
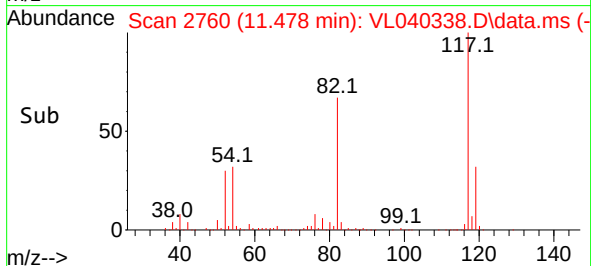
Instrument :
MSVOA_L
ClientSampleId :
SV-17_20230411



Tgt Ion:117 Resp: 254994
Ion Ratio Lower Upper
117 100
82 67.9 51.4 77.2
119 32.7 24.0 36.0

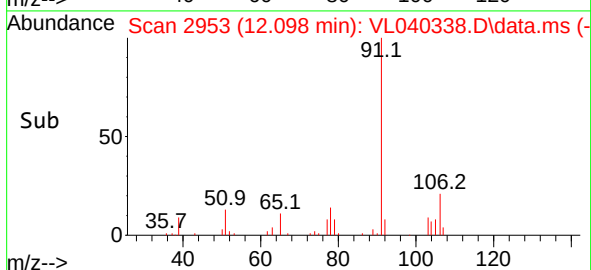
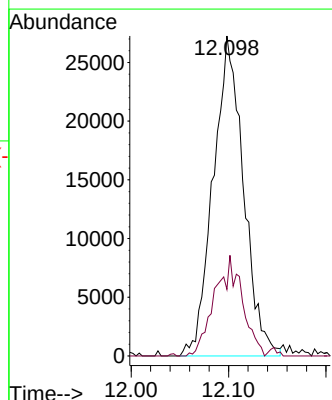
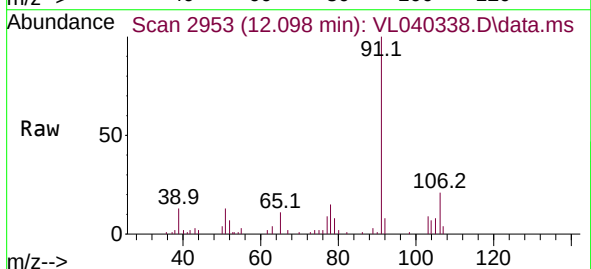
Manual Integrations
APPROVED

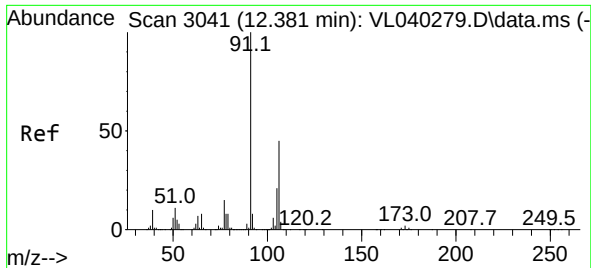
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#58
Ethyl Benzene
Concen: 0.203 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. 0.000 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

Tgt Ion: 91 Resp: 58915
Ion Ratio Lower Upper
91 100
106 20.8 23.4 35.2#





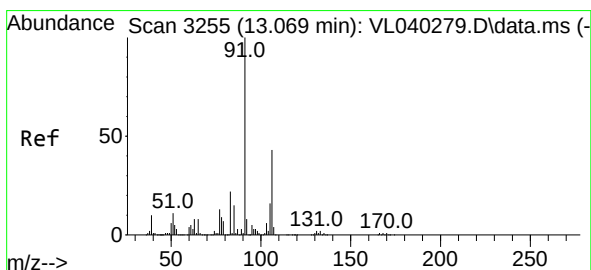
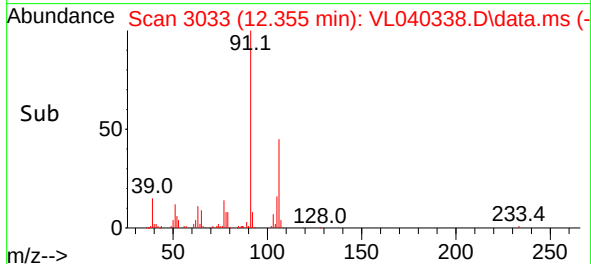
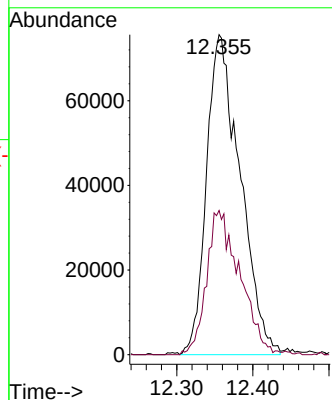
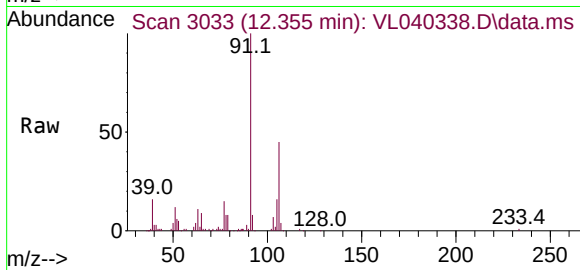
#59
m/p-Xylene
Concen: 0.872 ppbv m
RT: 12.355 min Scan# 3041
Delta R.T. -0.026 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

Instrument :
MSVOA_L
ClientSampleId :
SV-17_20230411

Tgt Ion: 91 Resp: 231814
Ion Ratio Lower Upper
91 100
106 0.0 34.0 51.0

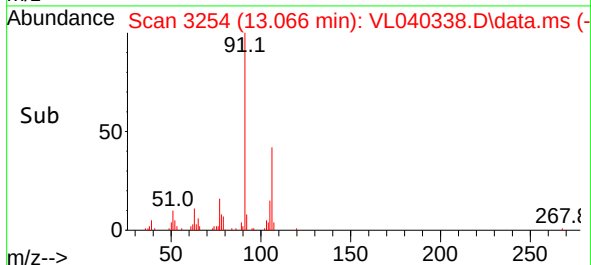
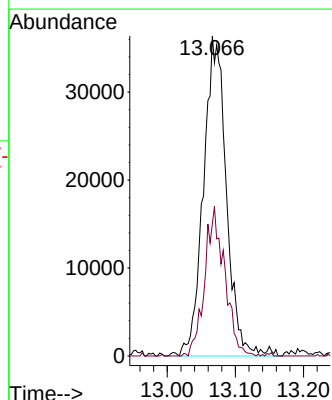
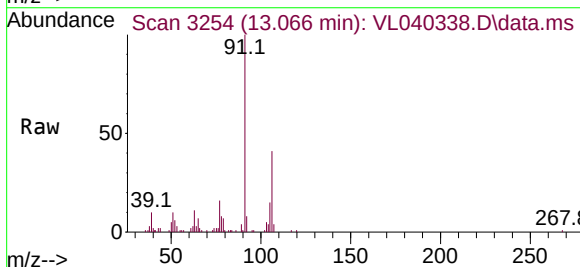
Manual Integrations
APPROVED

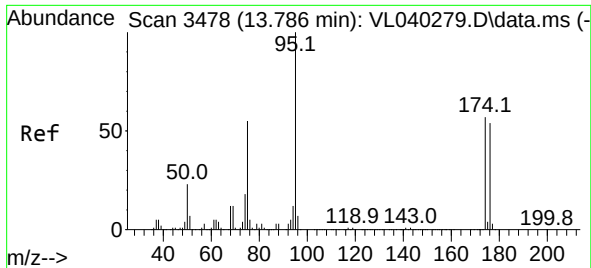
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#60
o-Xylene
Concen: 0.334 ppbv m
RT: 13.066 min Scan# 3254
Delta R.T. -0.003 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

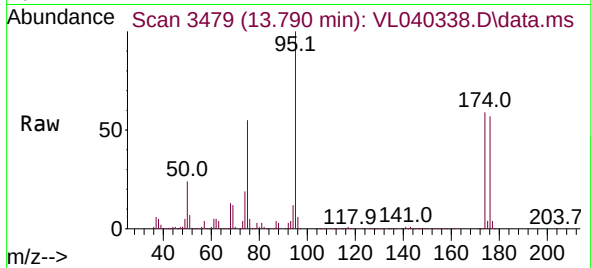
Tgt Ion: 91 Resp: 85024
Ion Ratio Lower Upper
91 100
106 40.7 21.7 65.1





#68
1-Bromo-4-Fluorobenzene
Concen: 9.779 ppbv
RT: 13.790 min Scan# 3479
Delta R.T. 0.004 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18

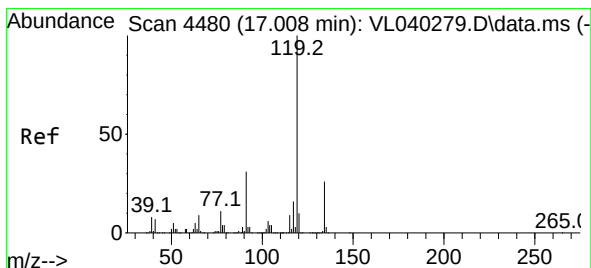
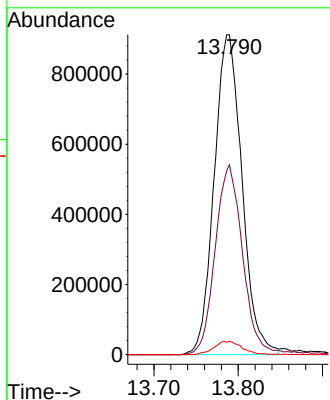
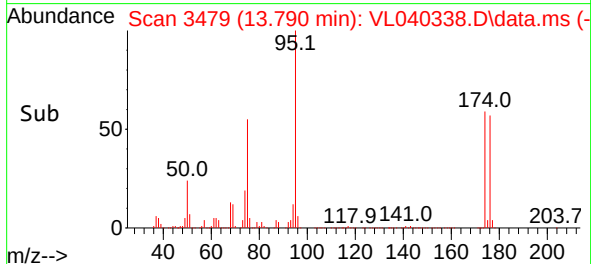
Instrument :
MSVOA_L
ClientSampleId :
SV-17_20230411



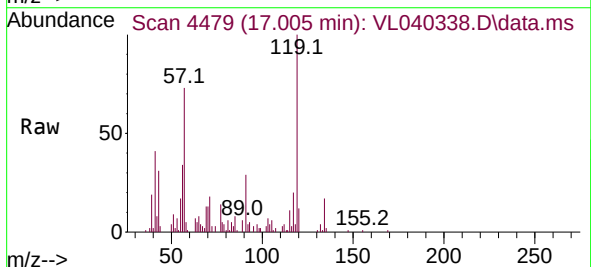
Tgt Ion: 95 Resp: 208815
Ion Ratio Lower Upper
95 100
174 60.0 47.0 70.6
175 4.3 3.4 5.2

Manual Integrations
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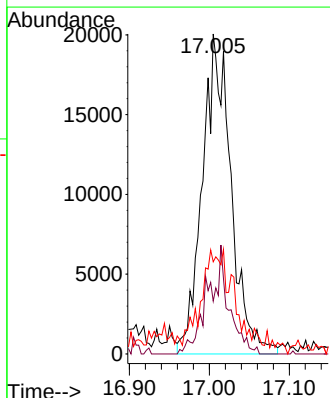
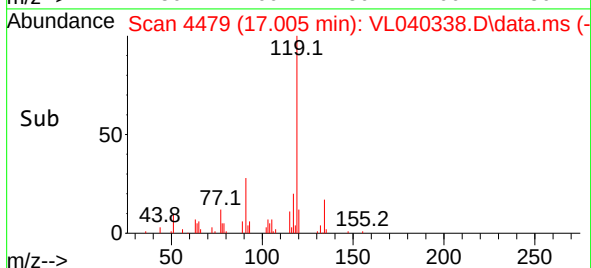
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

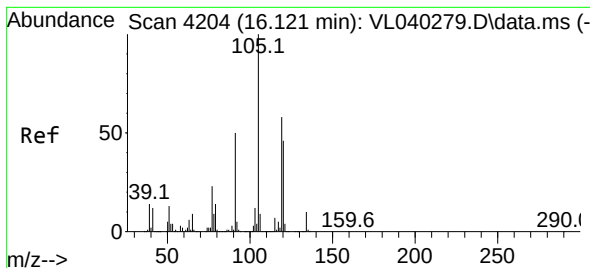


#69
p-Isopropyltoluene
Concen: 0.143 ppbv m
RT: 17.005 min Scan# 4479
Delta R.T. -0.003 min
Lab File: VL040338.D
Acq: 12 Apr 2023 13:18



Tgt Ion:119 Resp: 49740
Ion Ratio Lower Upper
119 100
134 0.0 20.2 30.2#
91 0.0 25.1 37.7#





#74

1,2,4-Trimethylbenzene

Concen: 0.259 ppbv m

RT: 16.114 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL040338.D

Acq: 12 Apr 2023 13:18

Instrument :

MSVOA_L

ClientSampleId :

SV-17_20230411

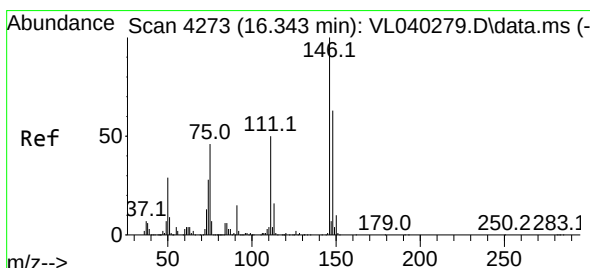
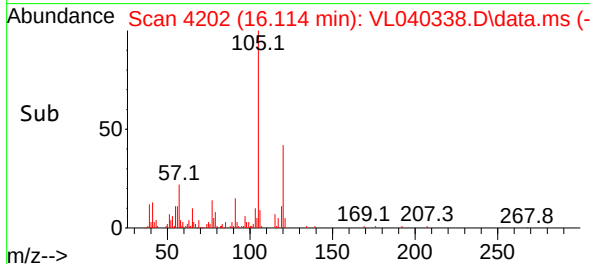
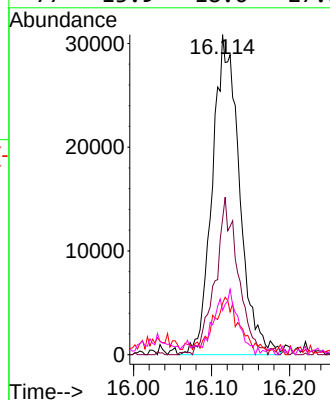
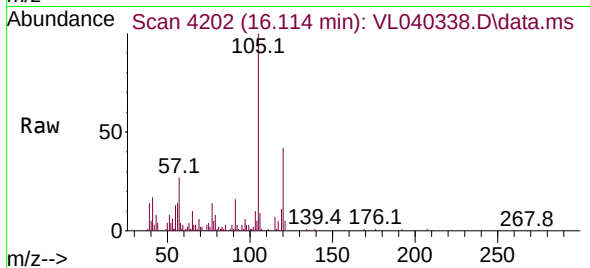
Tgt Ion:	105	Resp:	7435
Ion Ratio	Lower	Upper	
105	100		
120	42.4	36.6	54.8
91	16.0	39.9	59.9
77	13.9	18.6	27.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#75

1,3-Dichlorobenzene

Concen: 0.614 ppbv m

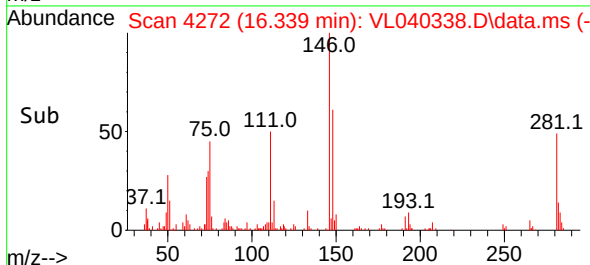
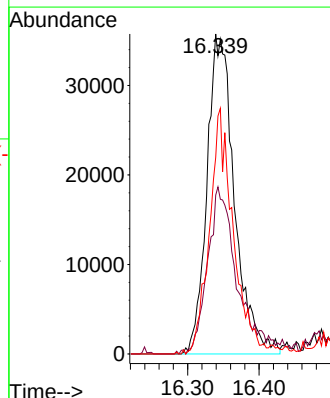
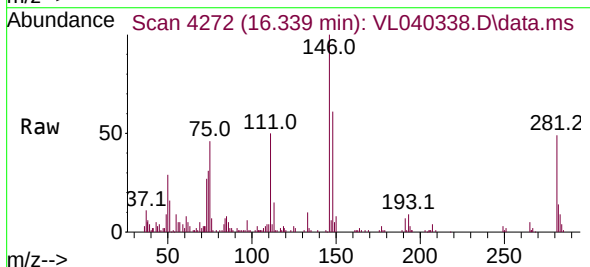
RT: 16.339 min Scan# 4272

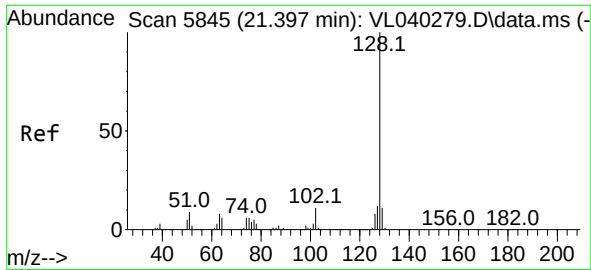
Delta R.T. -0.004 min

Lab File: VL040338.D

Acq: 12 Apr 2023 13:18

Tgt Ion:	146	Resp:	95503
Ion Ratio	Lower	Upper	
146	100		
111	57.7	24.3	73.0
148	67.2	31.9	95.5





#79

Naphthalene

Concen: 0.195 ppbv m

RT: 21.403 min Scan# 5847

Delta R.T. 0.006 min

Lab File: VL040338.D

Acq: 12 Apr 2023 13:18

Instrument :

MSVOA_L

ClientSampleId :

SV-17_20230411

Tgt Ion:128 Resp: 33162

Ion Ratio Lower Upper

128 100

127 11.4 9.6 14.4

129 11.4 8.6 13.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023

