

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
 Data File : VL039730.D
 Acq On : 17 Oct 2022 21:56
 Operator : SY/AP
 Sample : N5169-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

Quant Time: Oct 18 05:30:21 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Tue Oct 18 05:23:57 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	49	1191284	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.687	114	3076189	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2709100	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1996409	9.872	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.761	85	22883m	0.166	ppbv	
9) Propene	2.735	41	84898m	1.315	ppbv	
10) Heptane	7.610	43	49637m	0.329	ppbv	
13) Ethanol	3.295	45	9585m	1.948	ppbv	
15) Acetone	3.517	43	311848	2.353	ppbv	96
19) Isopropyl Alcohol	3.648	45	8061m	0.119	ppbv	
20) Methylene Chloride	3.976	84	92188	1.504	ppbv	90
26) Hexane	5.253	57	123372	1.006	ppbv #	40
27) Carbon Disulfide	4.166	76	52095	0.404	ppbv #	80
29) Chloroform	5.311	83	20131	0.114	ppbv #	67
30) Cyclohexane	6.639	84	43724	0.460	ppbv #	88
32) 1,1,1-Trichloroethane	6.044	97	10352m	0.065	ppbv	
34) 2-Butanone	4.841	43	47661m	0.315	ppbv	
35) Carbon Tetrachloride	6.533	117	197563	1.210	ppbv	93
36) Benzene	6.407	78	35554m	0.151	ppbv	
38) Trichloroethene	7.324	130	166934	1.313	ppbv	100
52) Tetrachloroethene	10.645	164	4490m	0.050	ppbv	
53) Toluene	9.253	91	404278	1.546	ppbv	98
58) Ethyl Benzene	12.114	91	133855m	0.429	ppbv	
59) m/p-Xylene	12.372	91	531072	1.910	ppbv	99
60) o-Xylene	13.089	91	171369	0.646	ppbv	98
64) n-propylbenzene	14.950	120	18678m	0.183	ppbv	
72) 4-Ethyltoluene	15.227	105	129306m	0.427	ppbv	
73) 1,3,5-Trimethylbenzene	15.375	105	84527	0.305	ppbv	86
74) 1,2,4-Trimethylbenzene	16.137	105	436654	1.405	ppbv #	70
79) Naphthalene	21.413	128	29801m	0.145	ppbv	

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

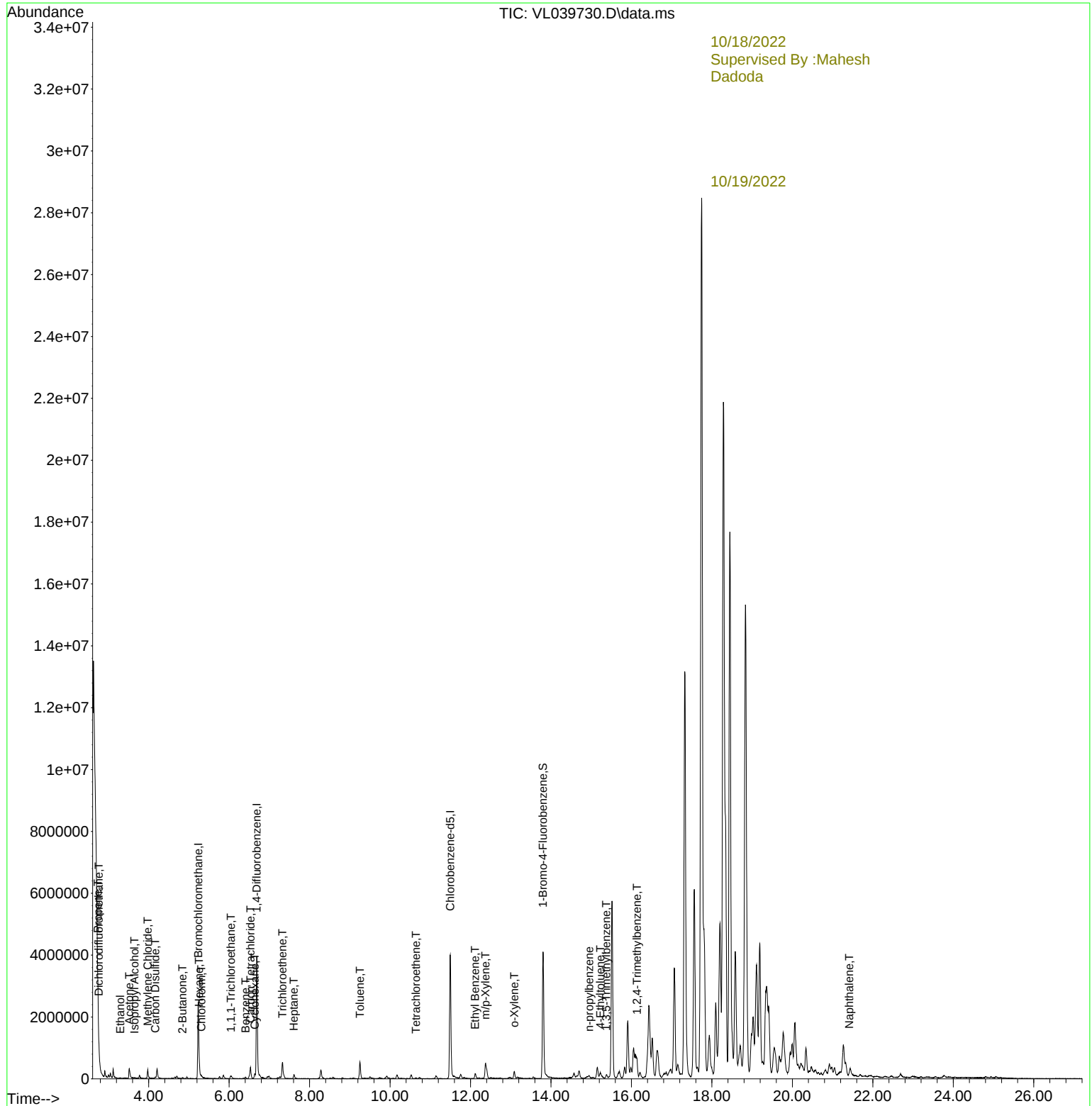
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
Data File : VL039730.D
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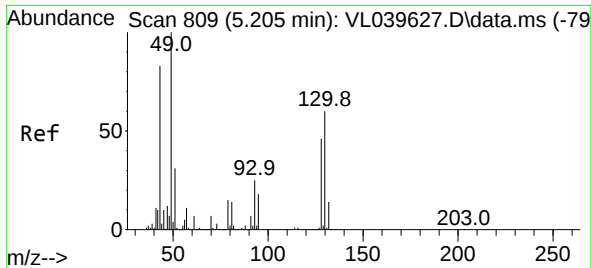
Instrument :
MSVOA_L
ClientSampleId :
SV4

Quant Time: Oct 18 05:30:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Oct 18 05:23:57 2022
Response via : Initial Calibration

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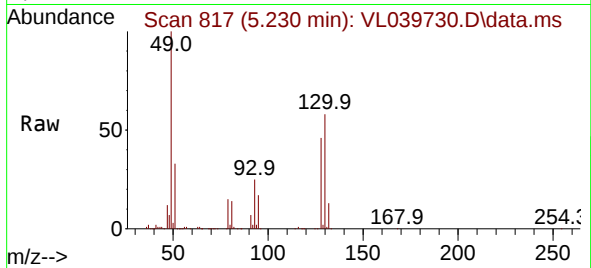
Reviewed By : Semsettin
Yesilyurt





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

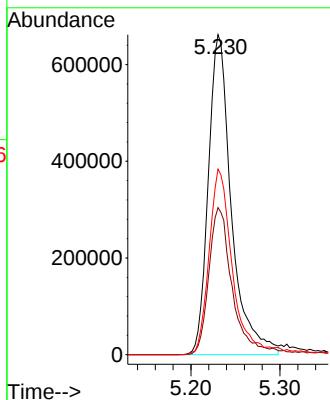
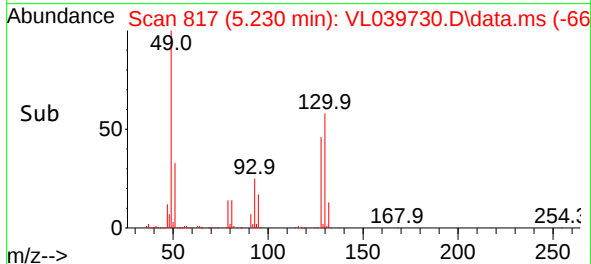
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 49 Resp: 1191284
Ion Ratio Lower Upper
49 100
128 48.0 26.7 80.0
130 61.3 34.3 102.8

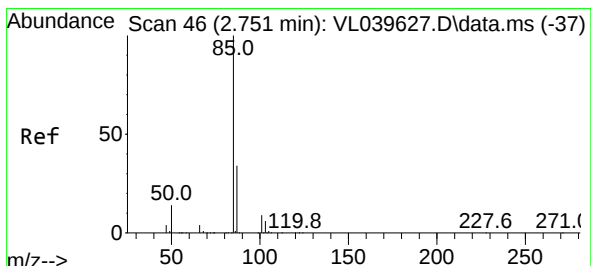
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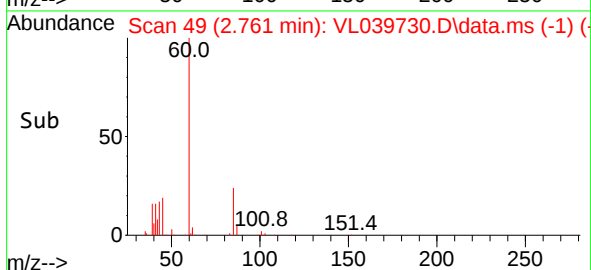
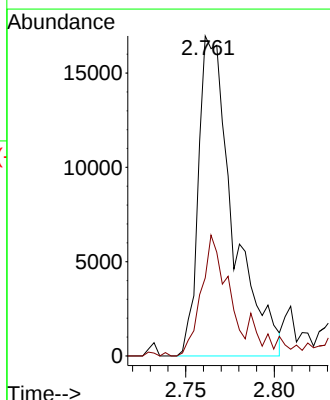
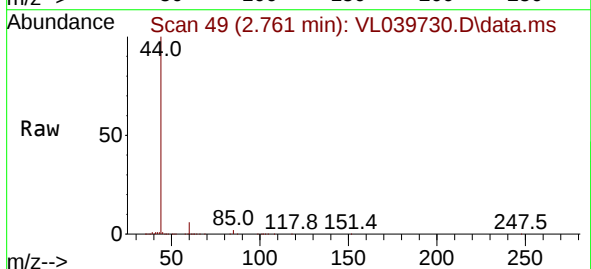
10/18/2022
Supervised By :Mahesh
Dadoda

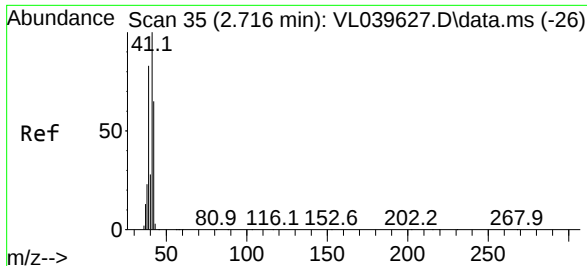
10/19/2022



#2
Dichlorodifluoromethane
Concen: 0.166 ppbv m
RT: 2.761 min Scan# 49
Delta R.T. -0.006 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

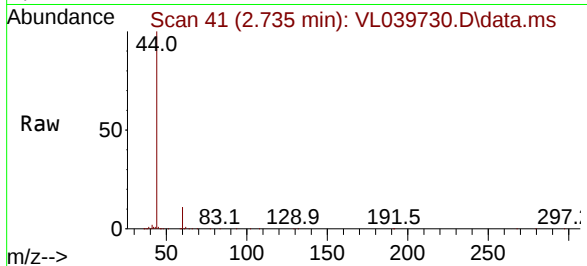
Tgt Ion: 85 Resp: 22883
Ion Ratio Lower Upper
85 100
87 24.4 26.7 40.1#





#9
 Propene
 Concen: 1.315 ppbv m
 RT: 2.735 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL039730.D
 Acq: 17 Oct 2022 21:56

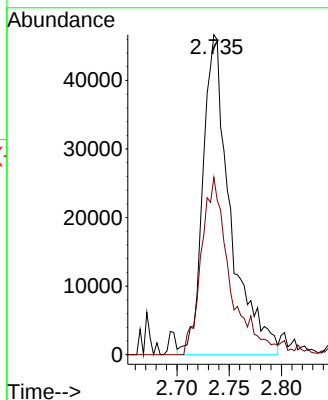
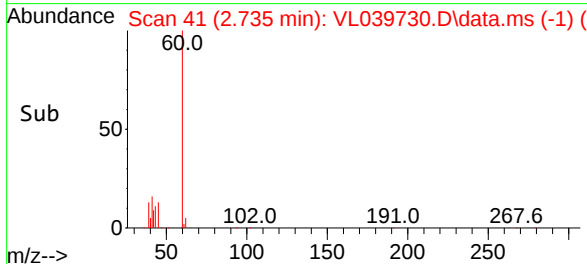
Instrument :
 MSVOA_L
 ClientSampleId :
 SV4



Tgt Ion: 41 Resp: 8489
 Ion Ratio Lower Upper
 41 100
 42 60.2 55.2 82.8

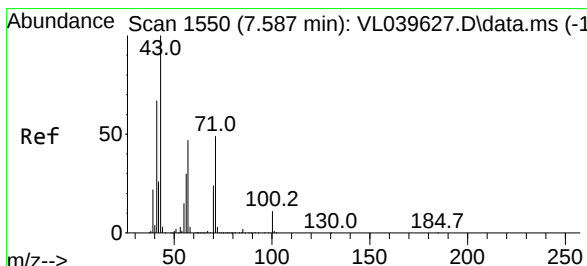
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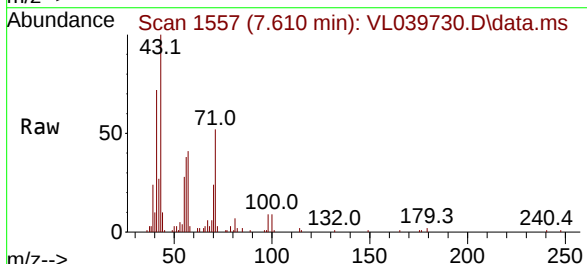


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 Dadoda

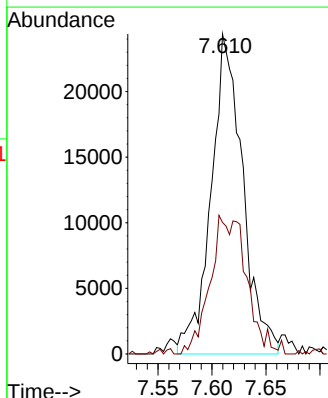
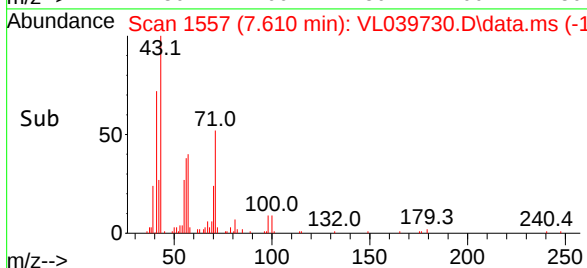
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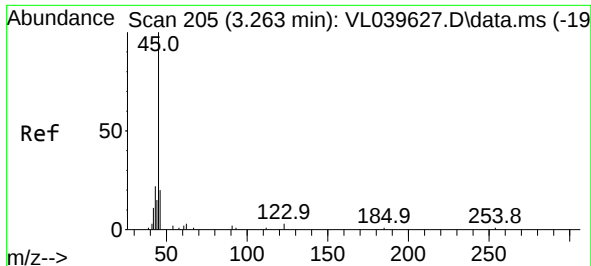


#10
 Heptane
 Concen: 0.329 ppbv m
 RT: 7.610 min Scan# 1557
 Delta R.T. -0.000 min
 Lab File: VL039730.D
 Acq: 17 Oct 2022 21:56



Tgt Ion: 43 Resp: 49637
 Ion Ratio Lower Upper
 43 100
 57 50.5 40.5 60.7





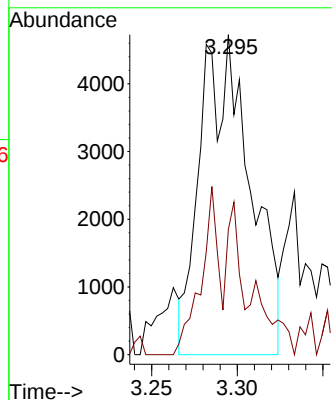
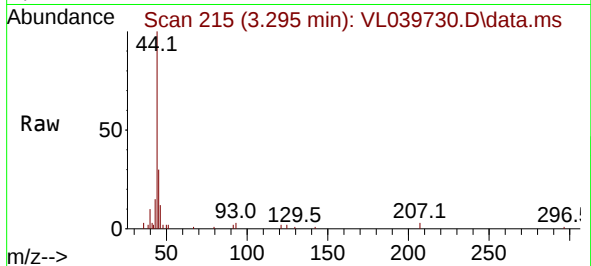
#13
Ethanol
Concen: 1.948 ppbv m
RT: 3.295 min Scan# 215
Delta R.T. 0.013 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 45 Resp: 958
Ion Ratio Lower Upper
45 100
46 44.7 22.8 91.2

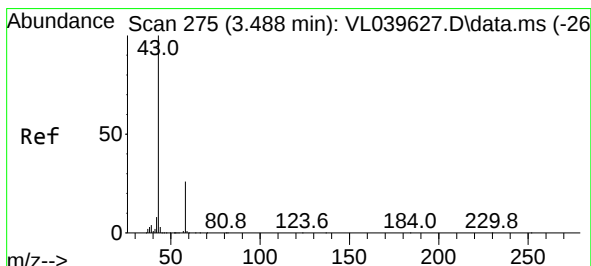
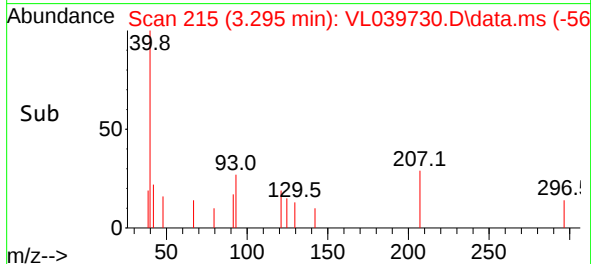
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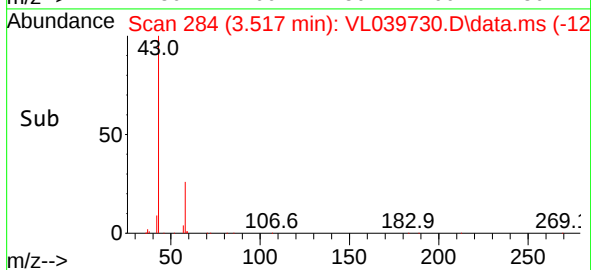
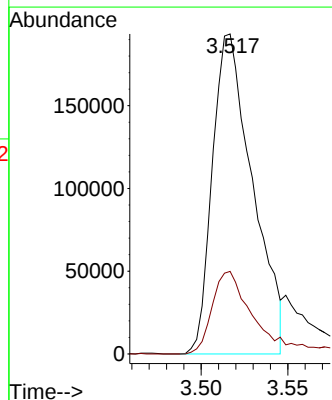
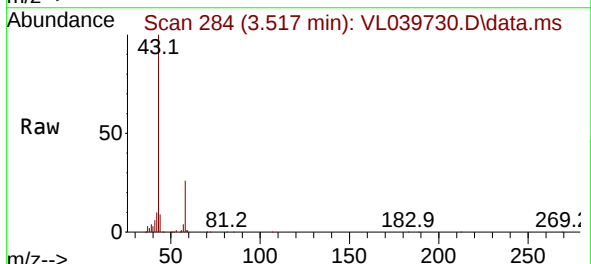
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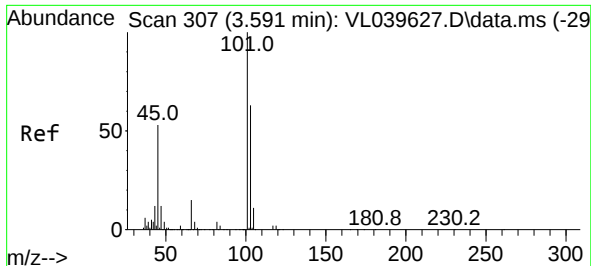
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#15
Acetone
Concen: 2.353 ppbv
RT: 3.517 min Scan# 284
Delta R.T. 0.013 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

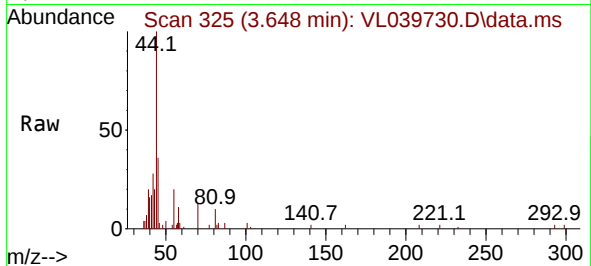
Tgt Ion: 43 Resp: 311848
Ion Ratio Lower Upper
43 100
58 28.5 21.0 31.6





#19
Isopropyl Alcohol
Concen: 0.119 ppbv m
RT: 3.648 min Scan# 31
Delta R.T. 0.035 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

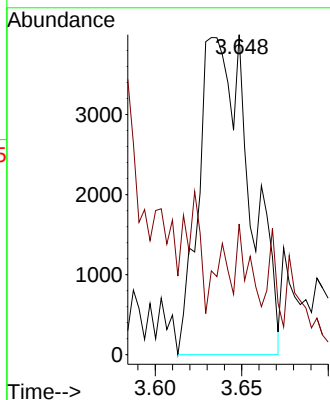
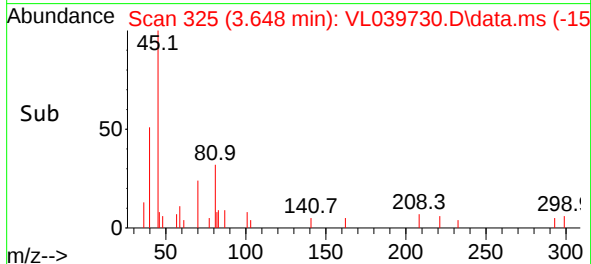
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 45 Resp: 806
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8

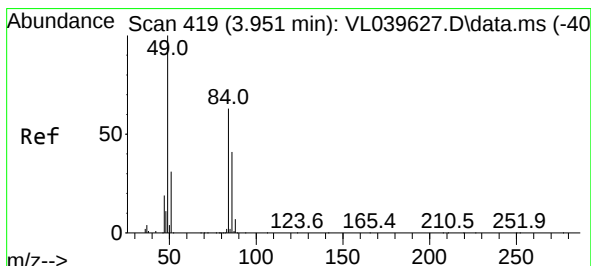
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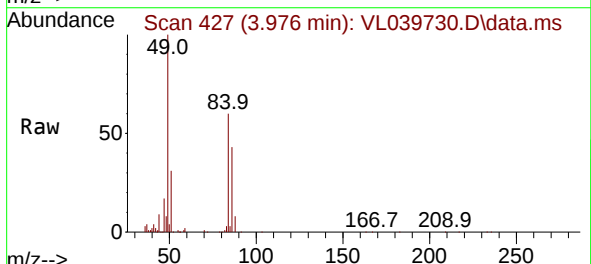


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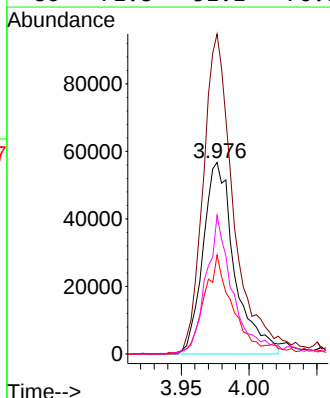
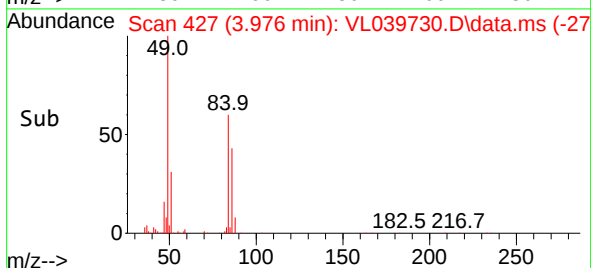
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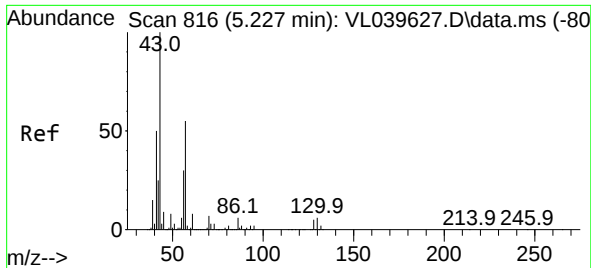


#20
Methylene Chloride
Concen: 1.504 ppbv
RT: 3.976 min Scan# 427
Delta R.T. 0.006 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56



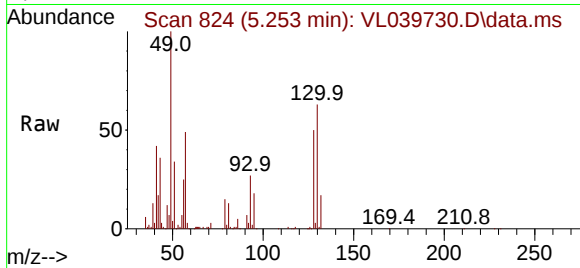
Tgt Ion: 84 Resp: 92188
Ion Ratio Lower Upper
84 100
49 166.0 123.1 184.7
51 51.1 34.4 51.6
86 71.8 51.1 76.7





#26
Hexane
Concen: 1.006 ppbv
RT: 5.253 min Scan# 816
Delta R.T. 0.006 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

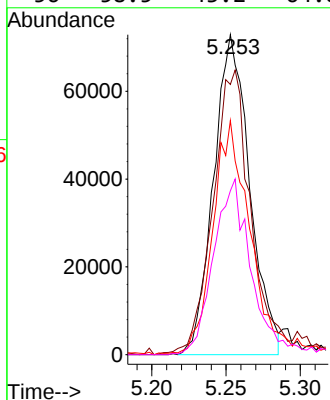
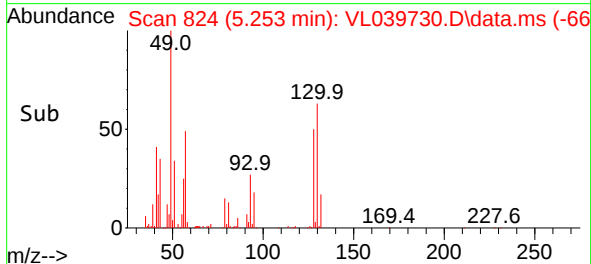
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 57 Resp: 123372
Ion Ratio Lower Upper
57 100
41 98.3 76.9 115.3
43 76.8 191.0 286.6
56 58.5 43.2 64.8

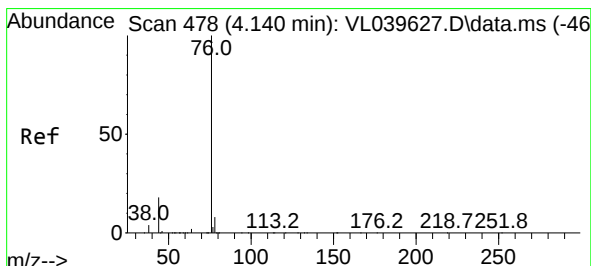
Manual Integrations
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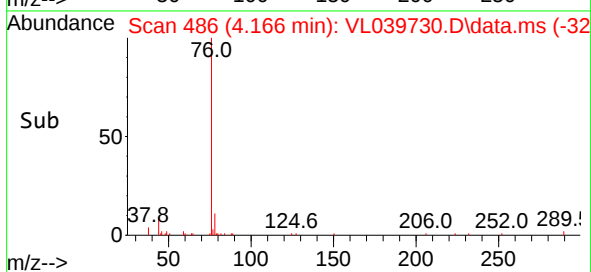
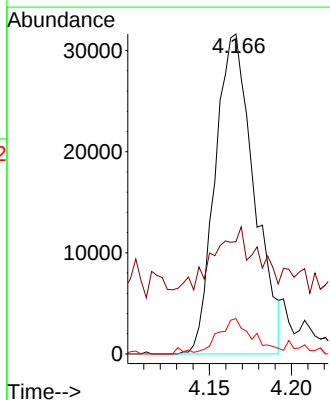
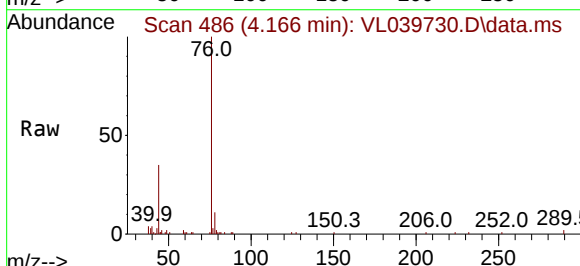
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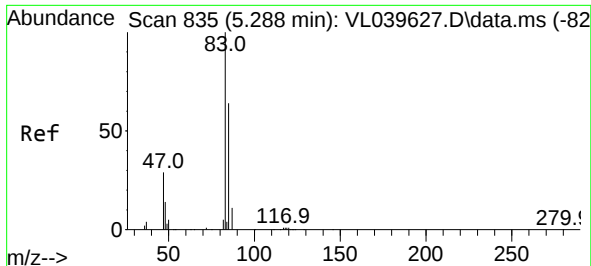
10/19/2022



#27
Carbon Disulfide
Concen: 0.404 ppbv
RT: 4.166 min Scan# 486
Delta R.T. 0.006 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

Tgt Ion: 76 Resp: 52095
Ion Ratio Lower Upper
76 100
44 30.3 14.6 21.8#
78 12.0 7.8 11.6#





#29

Chloroform

Concen: 0.114 ppbv

RT: 5.311 min Scan# 84

Delta R.T. 0.003 min

Lab File: VL039730.D

Acq: 17 Oct 2022 21:56

Instrument :

MSVOA_L

ClientSampleId :

SV4

Tgt Ion: 83 Resp: 2013

Ion Ratio Lower Upper

83 100

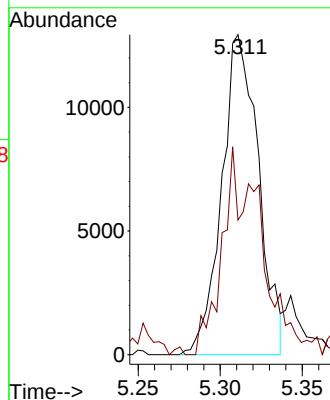
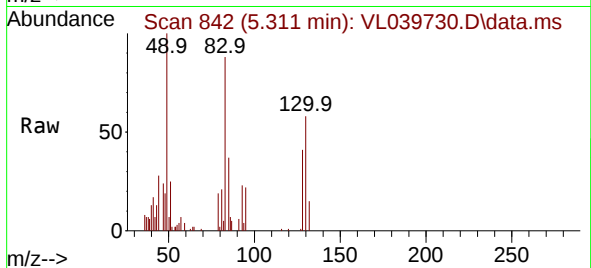
85 39.7 52.8 79.2

Manual Integrations

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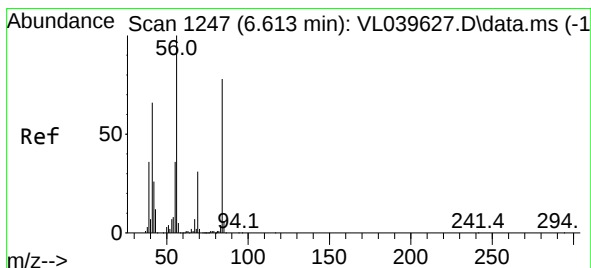
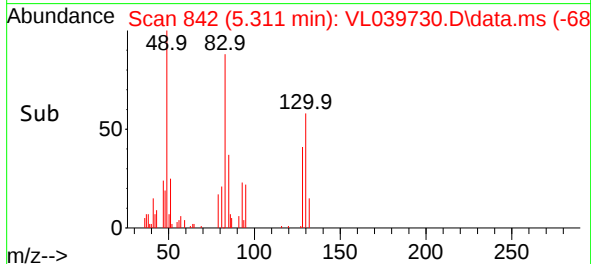


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Dadoda

10/19/2022



#30

Cyclohexane

Concen: 0.460 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. 0.006 min

Lab File: VL039730.D

Acq: 17 Oct 2022 21:56

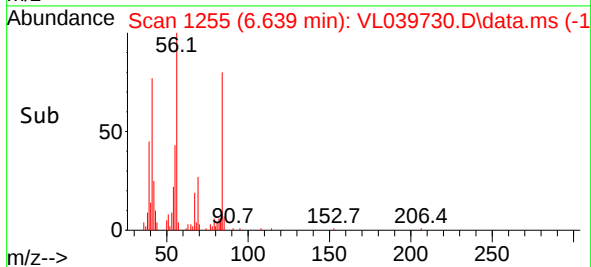
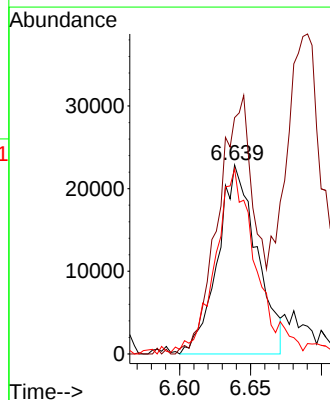
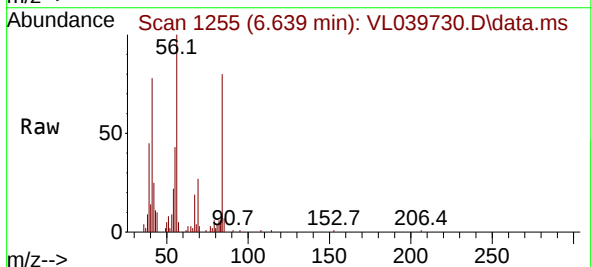
Tgt Ion: 84 Resp: 43724

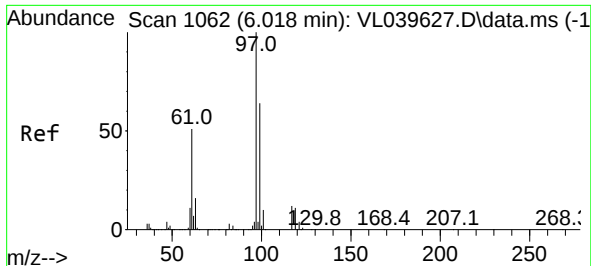
Ion Ratio Lower Upper

84 100

56 129.0 107.7 161.5

41 105.0 67.7 101.5





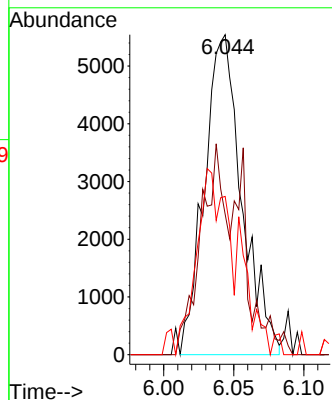
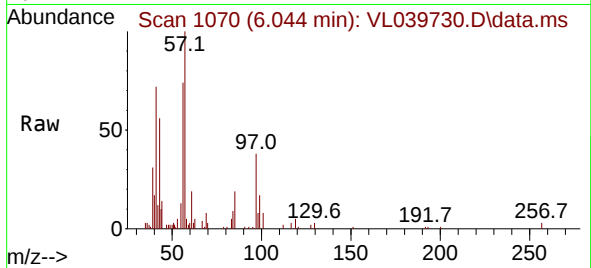
#32
1,1,1-Trichloroethane
Concen: 0.065 ppbv m
RT: 6.044 min Scan# 1062
Delta R.T. 0.006 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 97 Resp: 10352
Ion Ratio Lower Upper
97 100
99 70.0 52.3 78.5
61 64.0 40.9 61.3

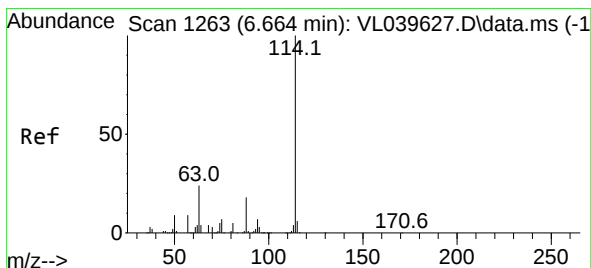
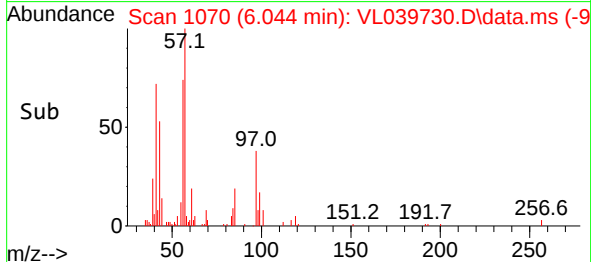
Manual Integrations
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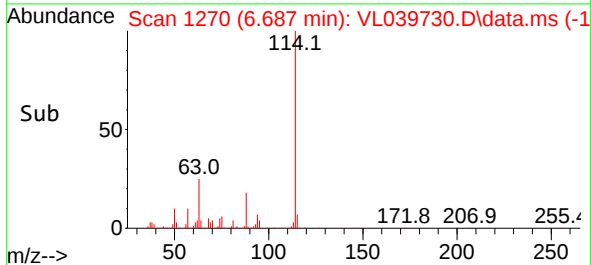
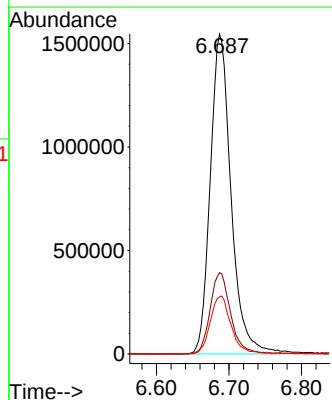
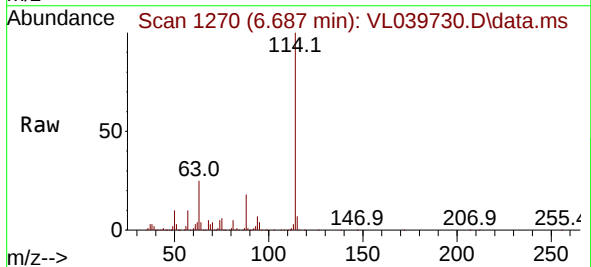
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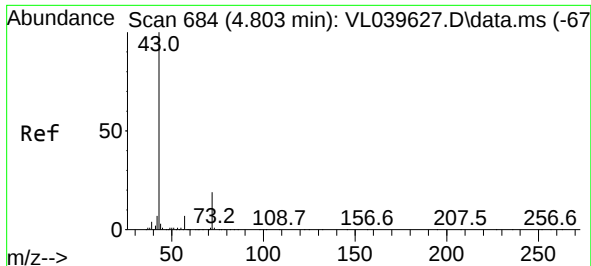
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.687 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

Tgt Ion:114 Resp: 3076189
Ion Ratio Lower Upper
114 100
63 25.4 20.2 30.4
88 18.3 14.5 21.7





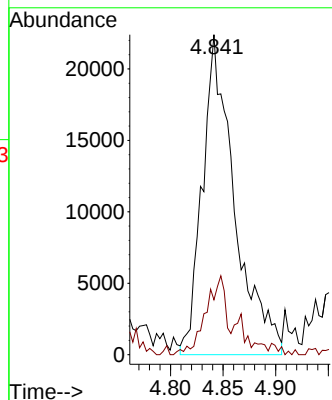
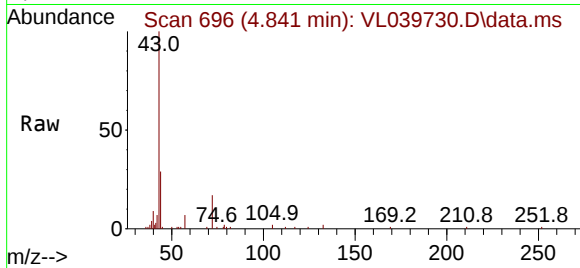
#34
2-Butanone
Concen: 0.315 ppbv m
RT: 4.841 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 43 Resp: 4766
Ion Ratio Lower Upper
43 100
72 21.9 17.9 26.9

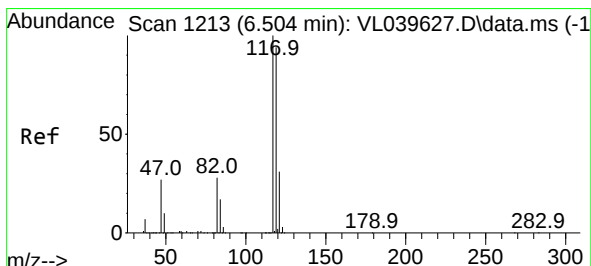
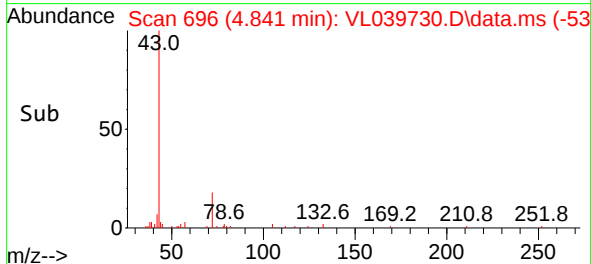
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Reviewed By :Semsettin
Yesilyurt



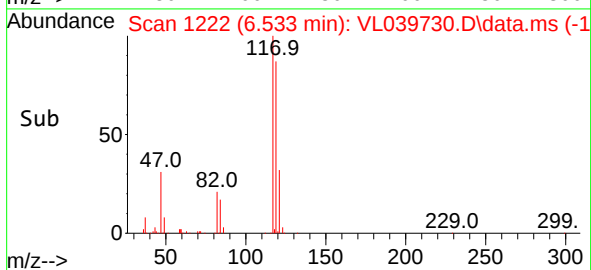
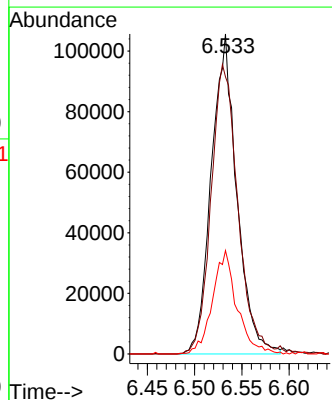
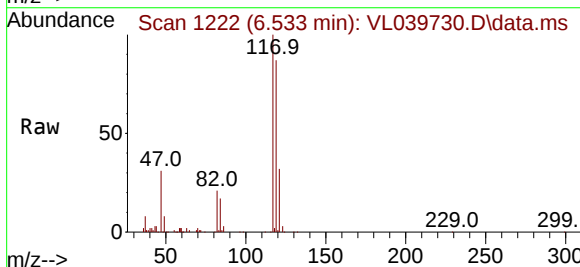
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Supervised By :Mahesh
Dadoda

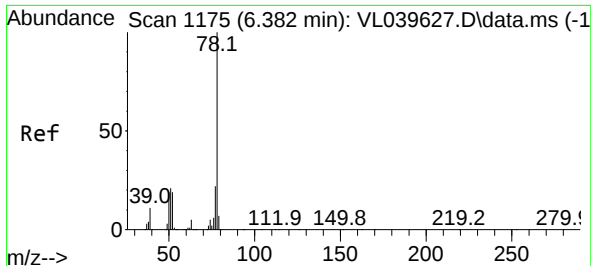
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#35
Carbon Tetrachloride
Concen: 1.210 ppbv
RT: 6.533 min Scan# 1222
Delta R.T. 0.006 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

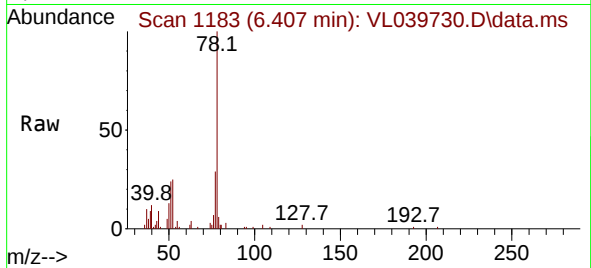
Tgt Ion:117 Resp: 197563
Ion Ratio Lower Upper
117 100
119 86.4 75.4 113.2
121 32.2 24.2 36.2





#36
Benzene
Concen: 0.151 ppbv m
RT: 6.407 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

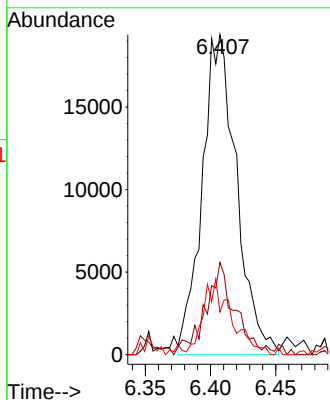
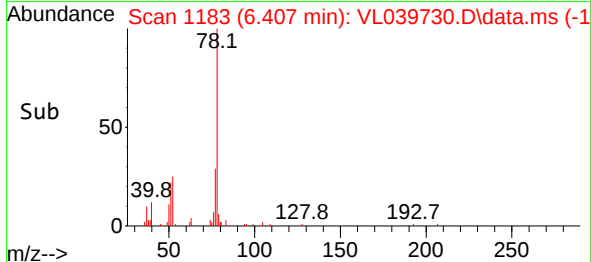
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 78 Resp: 35554
Ion Ratio Lower Upper
78 100
77 28.9 20.3 30.5
50 13.4 15.5 23.3

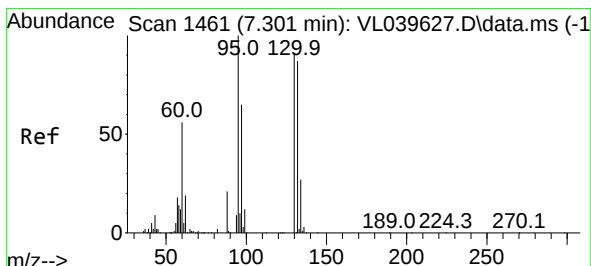
Manual Integrations
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Reviewed By :Semsettin
Yesilyurt



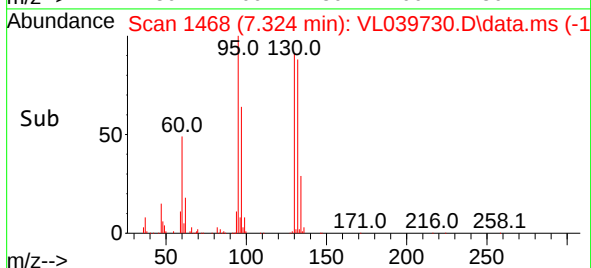
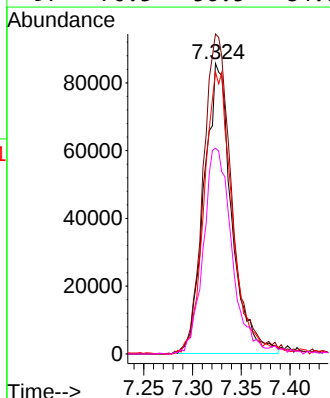
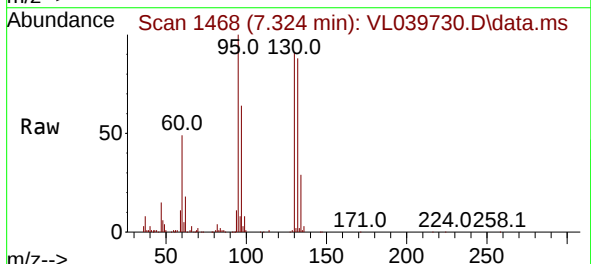
10/18/2022
Supervised By :Mahesh
Dadoda

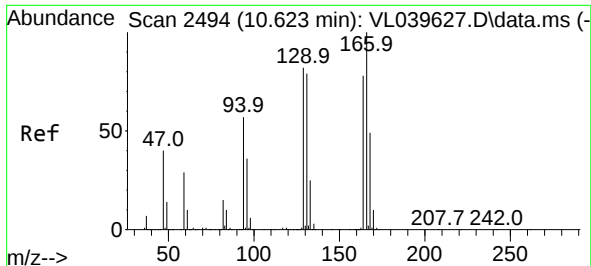
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#38
Trichloroethene
Concen: 1.313 ppbv
RT: 7.324 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

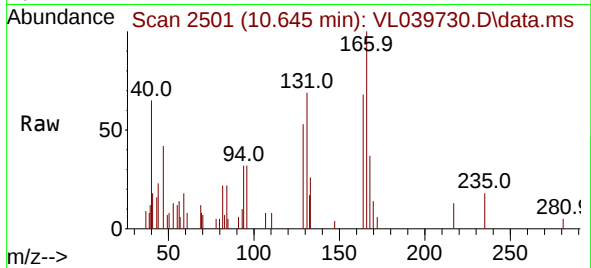
Tgt Ion:130 Resp: 166934
Ion Ratio Lower Upper
130 100
95 109.6 87.3 130.9
132 95.9 76.7 115.1
97 70.5 56.5 84.7





#52
Tetrachloroethene
Concen: 0.050 ppbv m
RT: 10.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

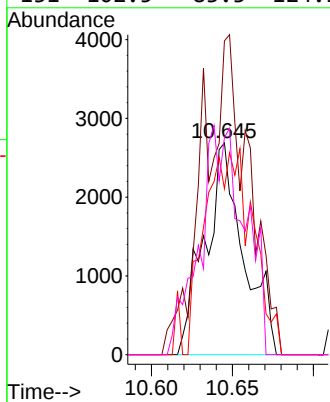
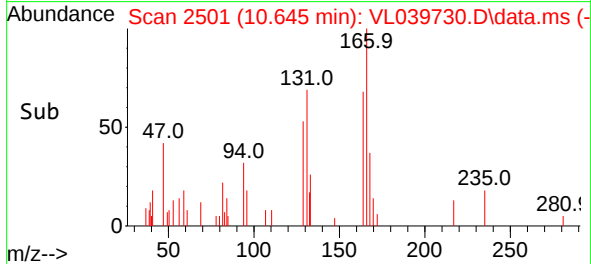
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion:164 Resp: 4490
Ion Ratio Lower Upper
164 100
166 148.1 102.2 153.2
129 78.3 85.8 128.8
131 102.5 83.3 124.9

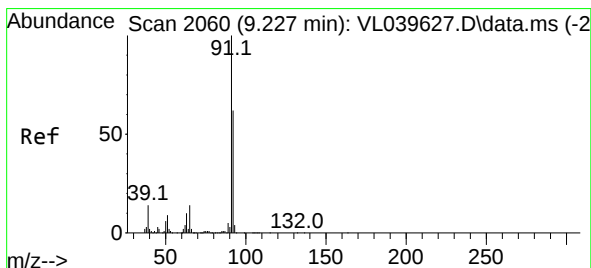
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Reviewed By :Semsettin
Yesilyurt

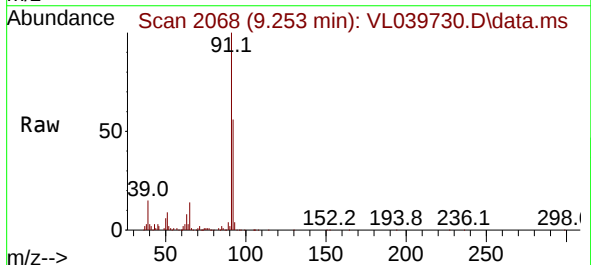


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Dadoda

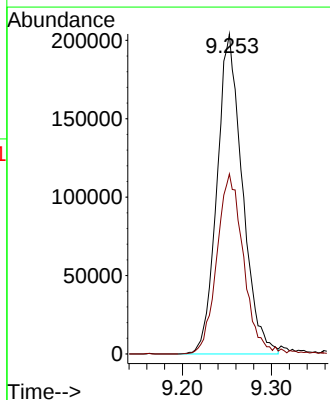
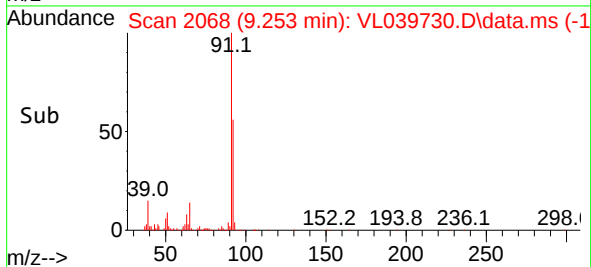
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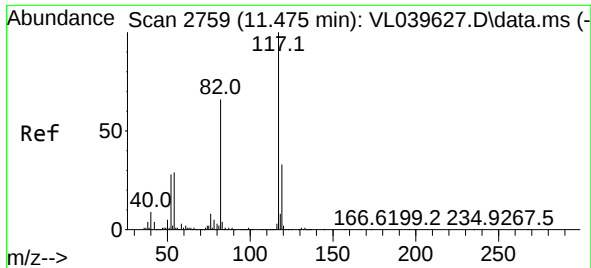


#53
Toluene
Concen: 1.546 ppbv
RT: 9.253 min Scan# 2068
Delta R.T. 0.003 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56



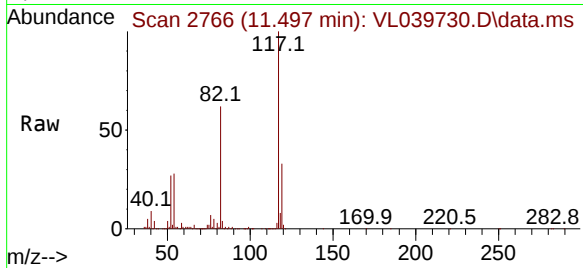
Tgt Ion: 91 Resp: 404278
Ion Ratio Lower Upper
91 100
92 58.8 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.497 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

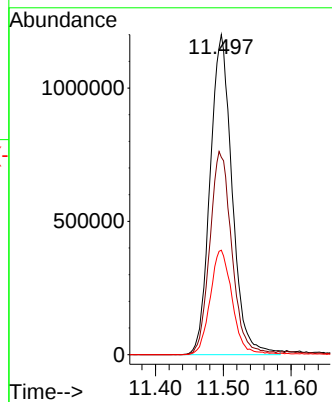
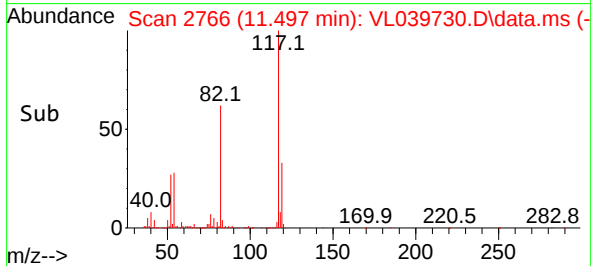
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion:117 Resp: 2709100
Ion Ratio Lower Upper
117 100
82 63.7 50.8 76.2
119 33.4 24.1 36.1

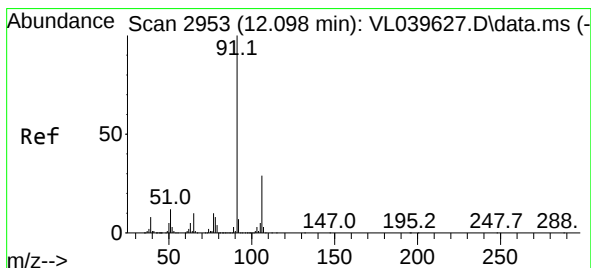
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Yesilyurt

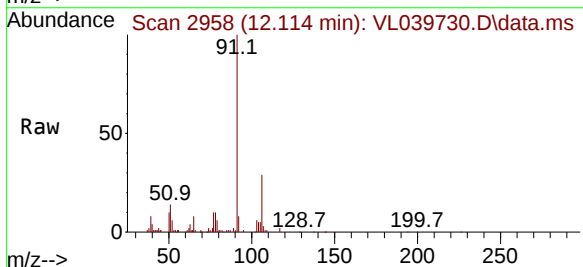


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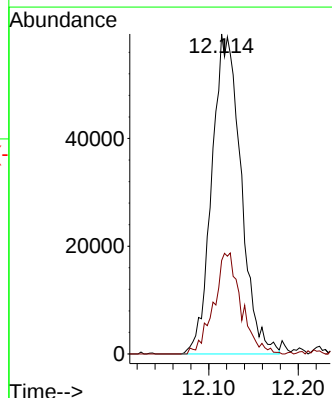
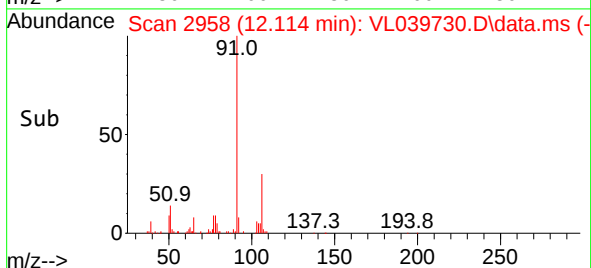
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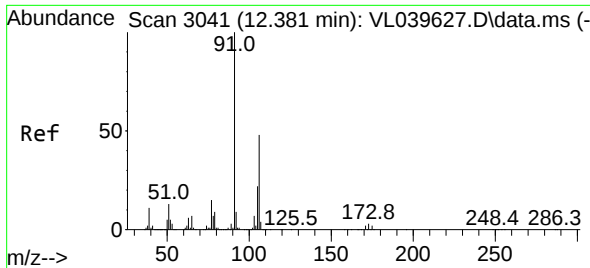


#58
Ethyl Benzene
Concen: 0.429 ppbv m
RT: 12.114 min Scan# 2958
Delta R.T. -0.000 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56



Tgt Ion: 91 Resp: 133855
Ion Ratio Lower Upper
91 100
106 29.2 25.4 38.0





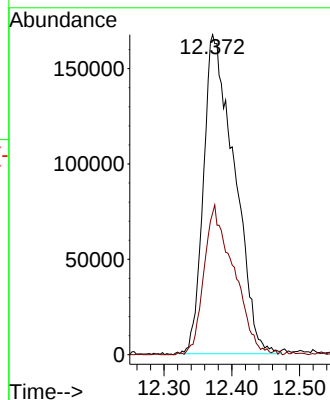
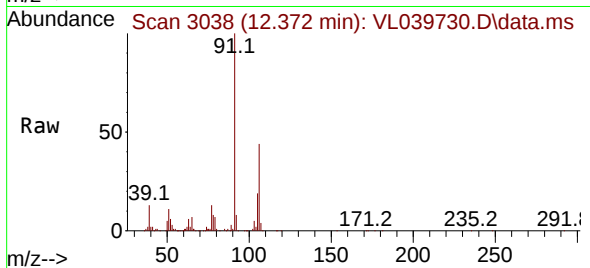
#59
m/p-Xylene
Concen: 1.910 ppbv
RT: 12.372 min Scan# 3041
Delta R.T. -0.029 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

Instrument : MSVOA_L
ClientSampleId : SV4

Tgt Ion: 91 Resp: 531072
Ion Ratio Lower Upper
91 100
106 45.3 35.4 53.2

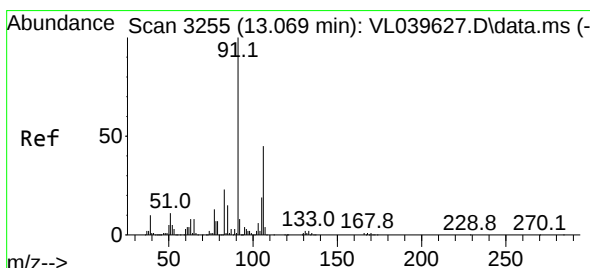
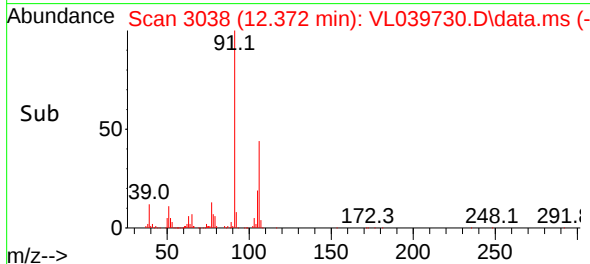
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Reviewed By :Semsettin
Yesilyurt



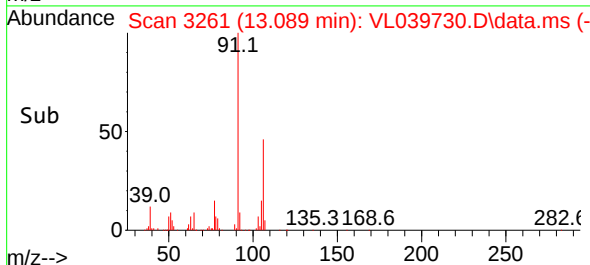
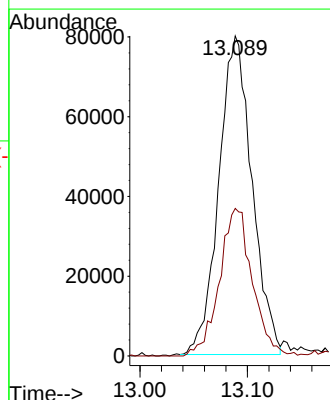
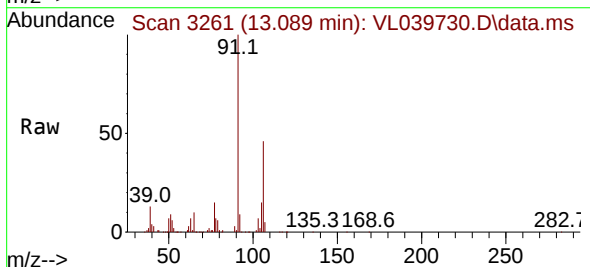
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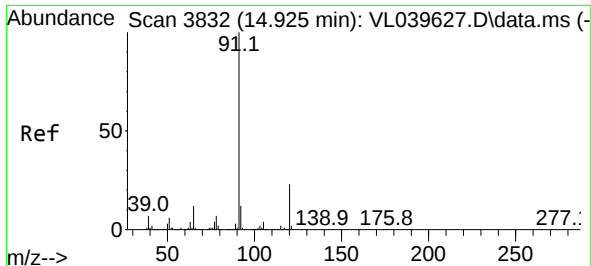
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#60
o-Xylene
Concen: 0.646 ppbv
RT: 13.089 min Scan# 3261
Delta R.T. 0.003 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

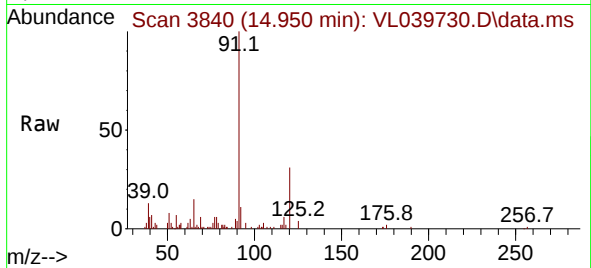
Tgt Ion: 91 Resp: 171369
Ion Ratio Lower Upper
91 100
106 46.1 22.4 67.3





#64
n-propylbenzene
Concen: 0.183 ppbv m
RT: 14.950 min Scan# 3840
Delta R.T. 0.010 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

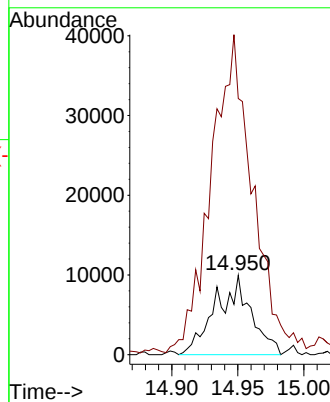
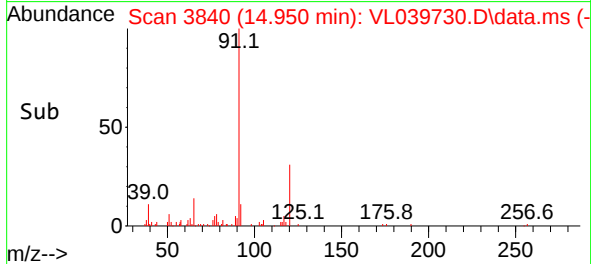
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion:120 Resp: 18678
Ion Ratio Lower Upper
120 100
91 480.0 367.2 550.8

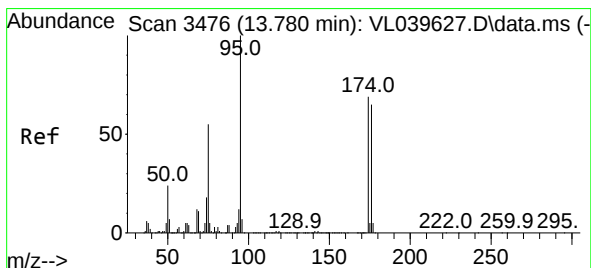
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Yesilyurt



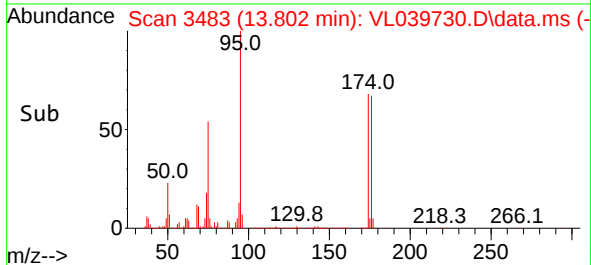
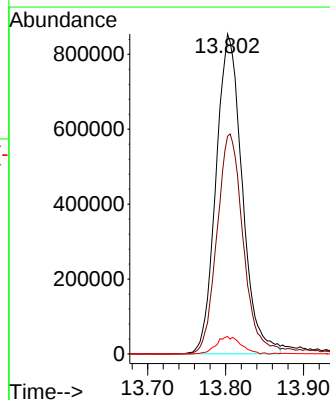
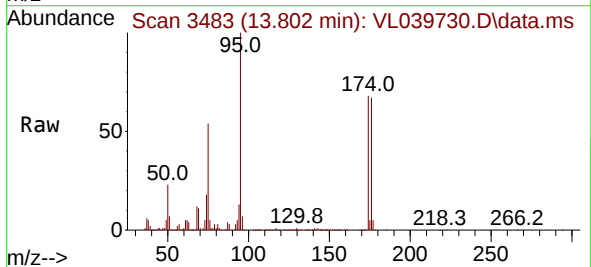
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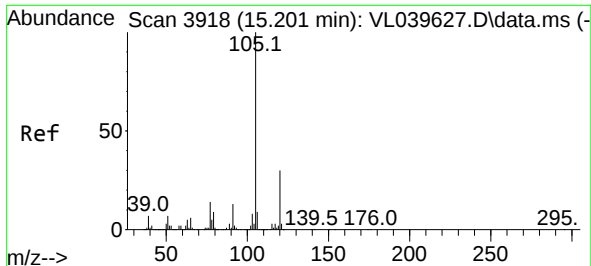
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.872 ppbv
RT: 13.802 min Scan# 3483
Delta R.T. 0.003 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

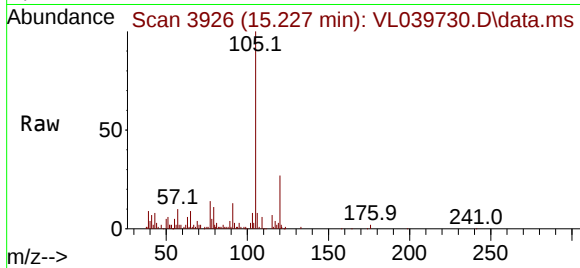
Tgt Ion: 95 Resp: 1996409
Ion Ratio Lower Upper
95 100
174 71.8 55.9 83.9
175 5.2 4.2 6.4





#72
4-Ethyltoluene
Concen: 0.427 ppbv m
RT: 15.227 min Scan# 3918
Delta R.T. 0.006 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

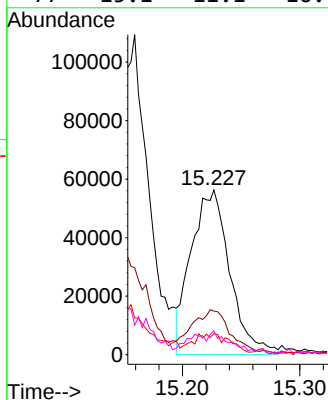
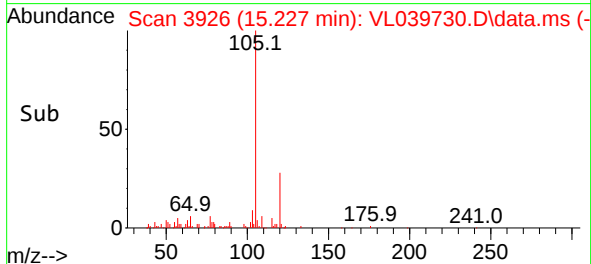
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion:105 Resp: 129300
Ion Ratio Lower Upper
105 100
120 27.4 24.2 36.2
91 10.4 10.2 15.4
77 15.1 11.1 16.7

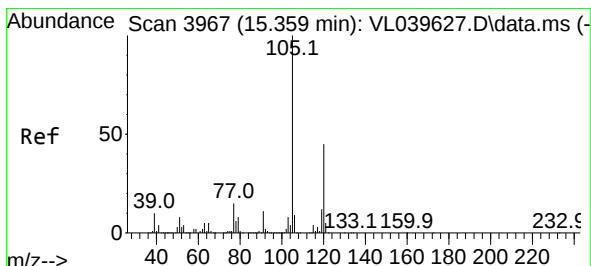
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Yesilyurt



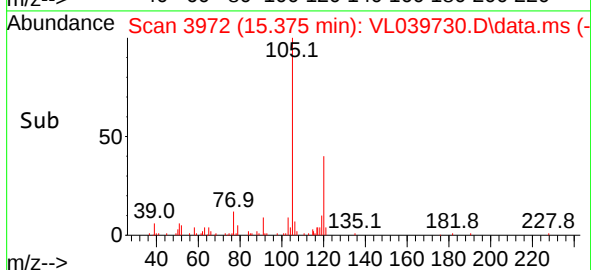
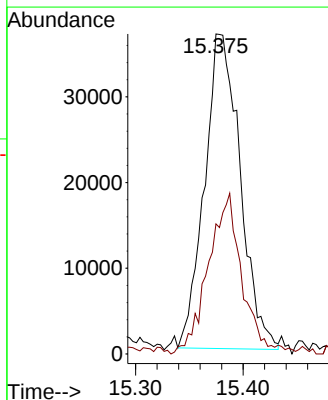
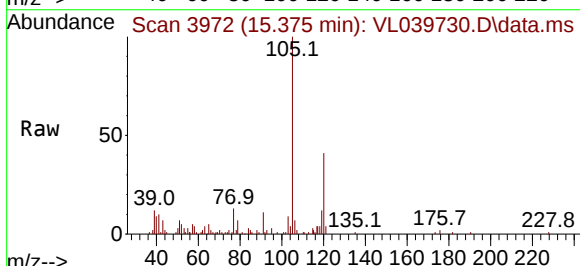
10/18/2022
Supervised By :Mahesh
Dadoda

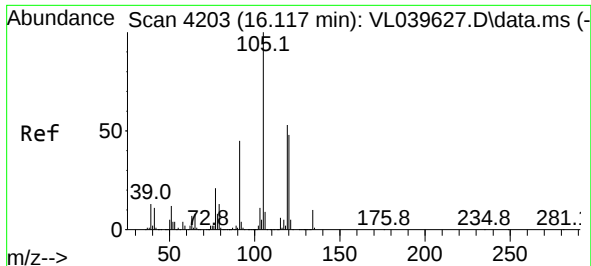
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#73
1,3,5-Trimethylbenzene
Concen: 0.305 ppbv
RT: 15.375 min Scan# 3972
Delta R.T. -0.003 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

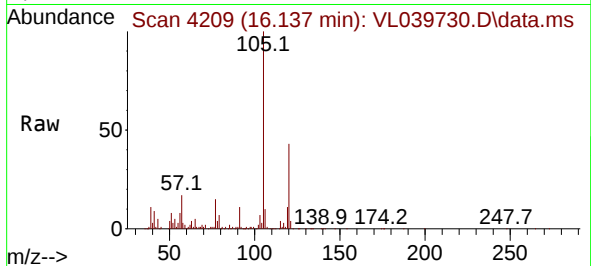
Tgt Ion:105 Resp: 84527
Ion Ratio Lower Upper
105 100
120 38.6 38.2 57.4





#74
1,2,4-Trimethylbenzene
Concen: 1.405 ppbv
RT: 16.137 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

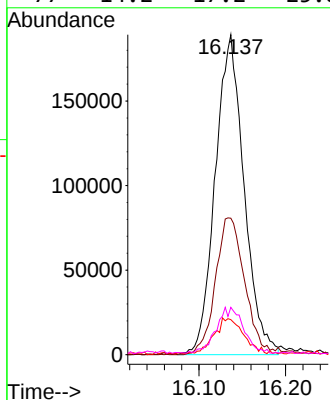
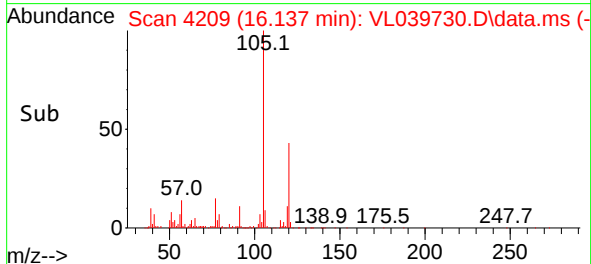
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion:105 Resp: 436654
Ion Ratio Lower Upper
105 100
120 42.6 39.5 59.3
91 10.6 39.2 58.8
77 14.2 17.2 25.8#

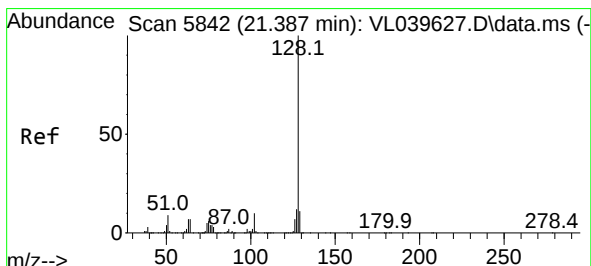
Manual Integrations
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Yesilyurt



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Supervised By :Mahesh
Dadoda

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#79
Naphthalene
Concen: 0.145 ppbv m
RT: 21.413 min Scan# 5850
Delta R.T. 0.006 min
Lab File: VL039730.D
Acq: 17 Oct 2022 21:56

Tgt Ion:128 Resp: 29801
Ion Ratio Lower Upper
128 100
127 14.1 10.6 15.8
129 9.2 8.8 13.2

