

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
 Data File : VL039732.D
 Acq On : 17 Oct 2022 23:12
 Operator : SY/AP
 Sample : N5169-05 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Quant Time: Oct 18 05:31:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 12 2022
 QLast Update : Tue Oct 18 05:23:57 2022
 Response via : Initial Calibration

Manual Integrations
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Reviewed By : Semsettin
 Yesilyurt

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

Internal Standards						
1) Bromochloromethane	5.230	49	1188971	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.687	114	3090646	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2760569	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	2026363	9.833	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.767	85	14570m	0.106	ppbv	
9) Propene	2.735	41	340873	5.290	ppbv	87
10) Heptane	7.616	43	163143	1.085	ppbv	89
13) Ethanol	3.279	45	55242m	11.251	ppbv	
15) Acetone	3.501	43	7979037	60.309	ppbv	94
17) tert-Butyl alcohol	3.918	59	233033	1.963	ppbv	99
19) Isopropyl Alcohol	3.616	45	139621	2.070	ppbv #	88
20) Methylene Chloride	3.973	84	137060	2.241	ppbv	98
26) Hexane	5.250	57	490225	4.004	ppbv #	38
27) Carbon Disulfide	4.163	76	31093m	0.242	ppbv	
30) Cyclohexane	6.635	84	20808m	0.219	ppbv	
34) 2-Butanone	4.822	43	979125	6.450	ppbv	97
35) Carbon Tetrachloride	6.526	117	40630m	0.248	ppbv	
36) Benzene	6.404	78	117332	0.497	ppbv #	88
50) 4-Methyl-2-Pentanone	8.221	43	210886m	0.884	ppbv	
51) 2-Hexanone	9.590	43	137426	0.778	ppbv #	93
52) Tetrachloroethene	10.638	164	21037m	0.233	ppbv	
53) Toluene	9.253	91	500549	1.905	ppbv	99
58) Ethyl Benzene	12.111	91	179326	0.563	ppbv #	85
59) m/p-Xylene	12.368	91	575950m	2.033	ppbv	
60) o-Xylene	13.085	91	201365	0.744	ppbv	99
64) n-propylbenzene	14.944	120	20351m	0.195	ppbv	
72) 4-Ethyltoluene	15.220	105	122455	0.397	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.381	105	90435m	0.320	ppbv	
74) 1,2,4-Trimethylbenzene	16.133	105	410490	1.296	ppbv #	69
79) Naphthalene	21.423	128	33458m	0.160	ppbv	

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

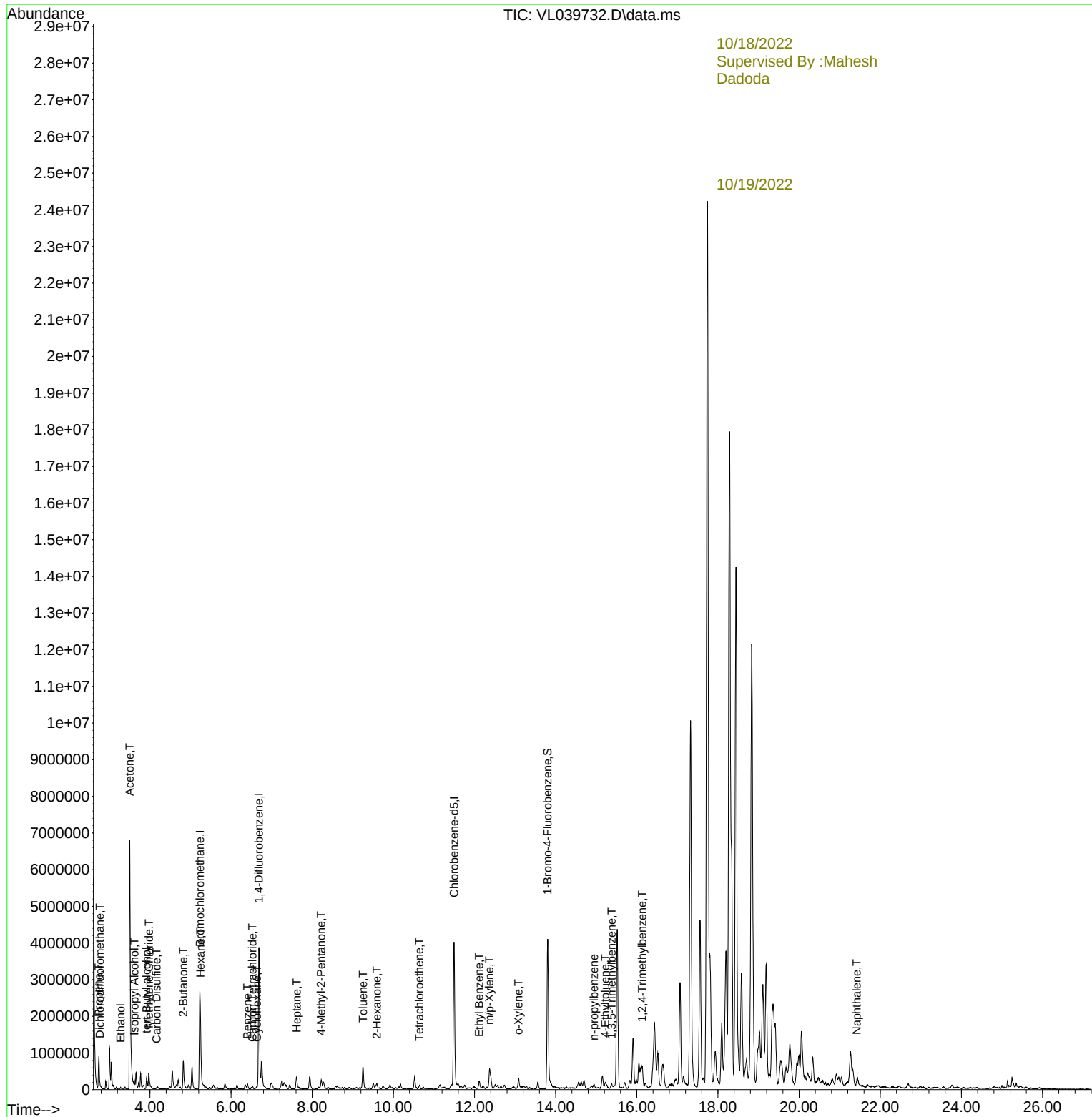
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
Data File : VL039732.D
Acq On : 17 Oct 2022 23:12
Operator : SY/AP
Sample : N5169-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

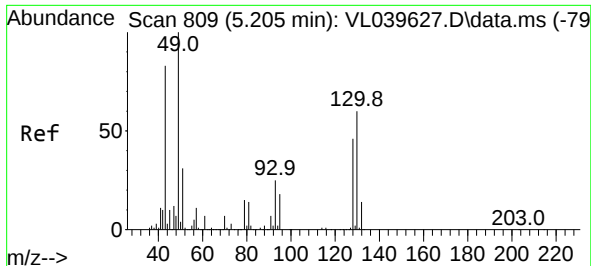
Instrument :
MSVOA_L
ClientSampleId :
SV3

Quant Time: Oct 18 05:31:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Oct 18 05:23:57 2022
Response via : Initial Calibration

Manual Integrations
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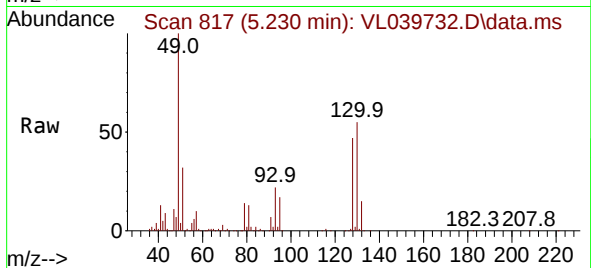
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

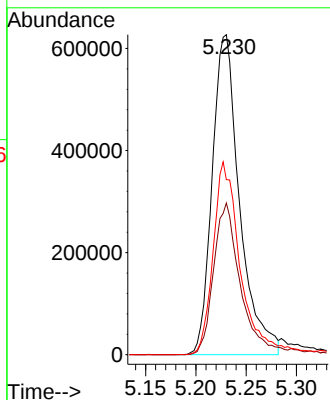
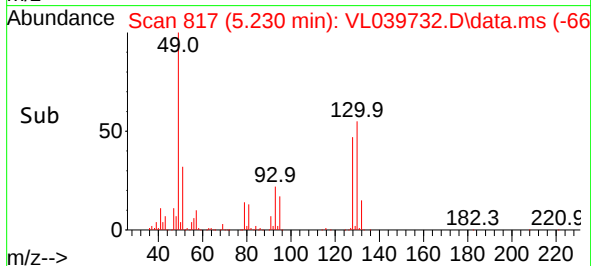
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 49 Resp: 118897
Ion Ratio Lower Upper
49 100
128 48.7 26.7 80.0
130 62.5 34.3 102.8

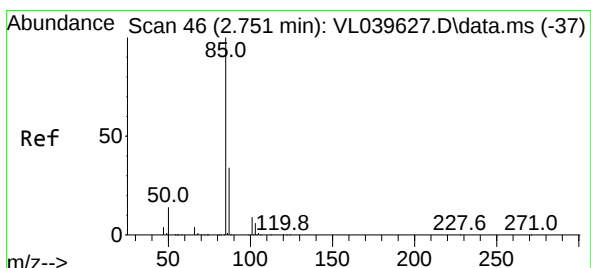
Manual Integrations
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Reviewed By :Semsettin
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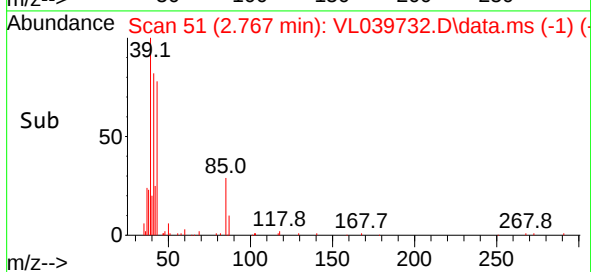
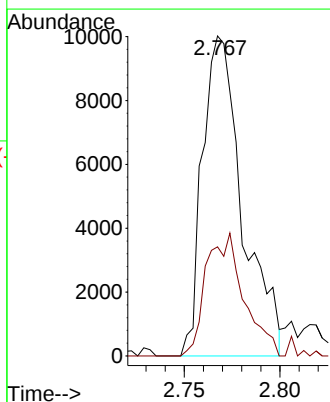
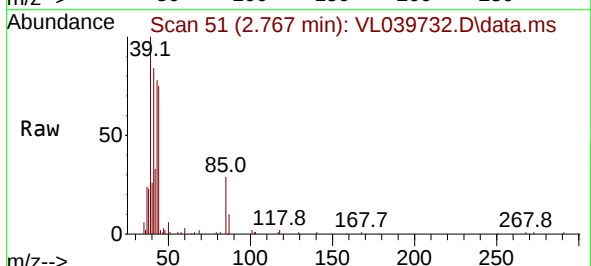
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Dadoda

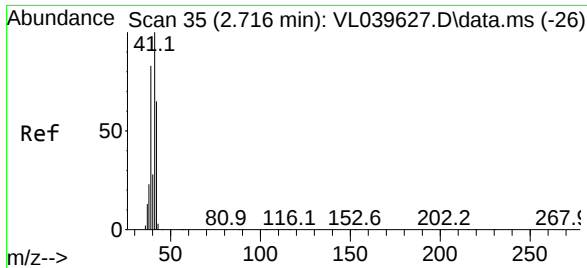
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#2
Dichlorodifluoromethane
Concen: 0.106 ppbv m
RT: 2.767 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

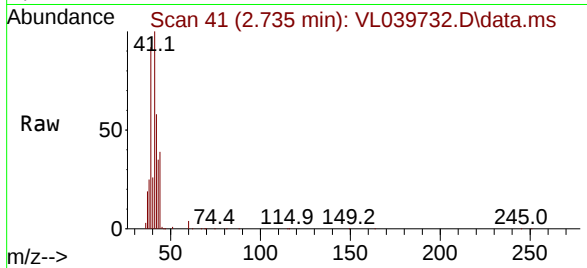
Tgt Ion: 85 Resp: 14570
Ion Ratio Lower Upper
85 100
87 34.1 26.7 40.1





#9
 Propene
 Concen: 5.290 ppbv
 RT: 2.735 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL039732.D
 Acq: 17 Oct 2022 23:12

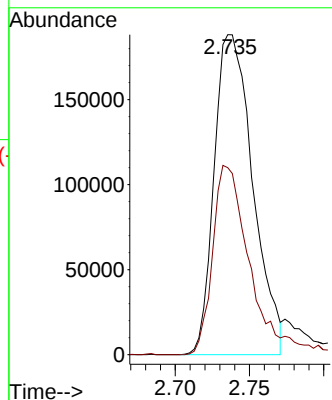
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3



Tgt Ion: 41 Resp: 34087
 Ion Ratio Lower Upper
 41 100
 42 58.4 55.2 82.8

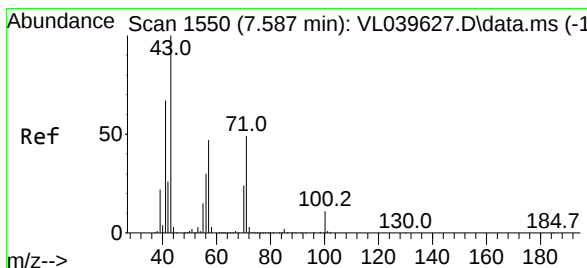
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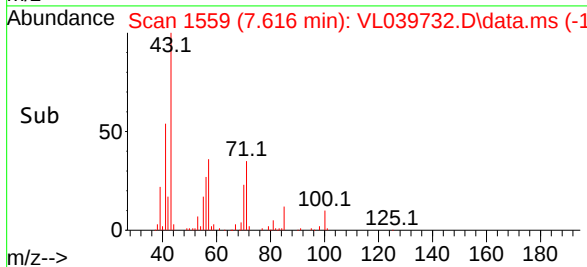
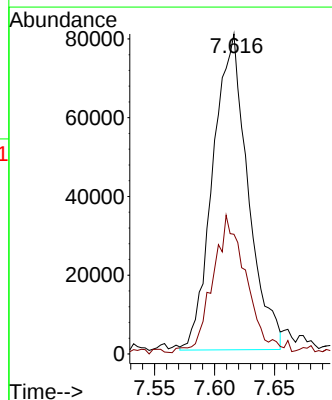
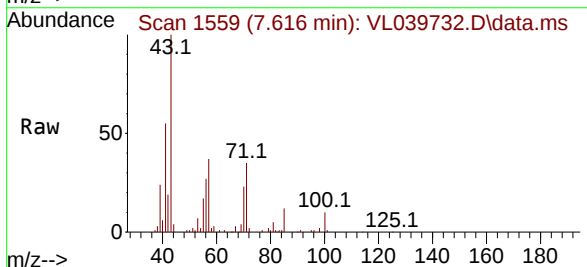
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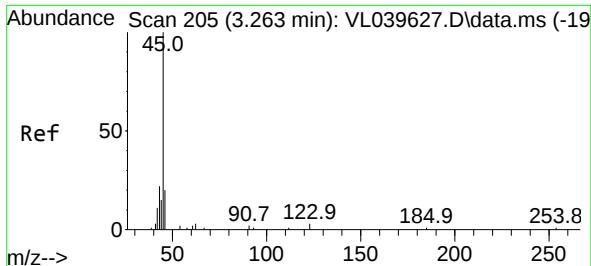
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#10
 Heptane
 Concen: 1.085 ppbv
 RT: 7.616 min Scan# 1559
 Delta R.T. 0.006 min
 Lab File: VL039732.D
 Acq: 17 Oct 2022 23:12

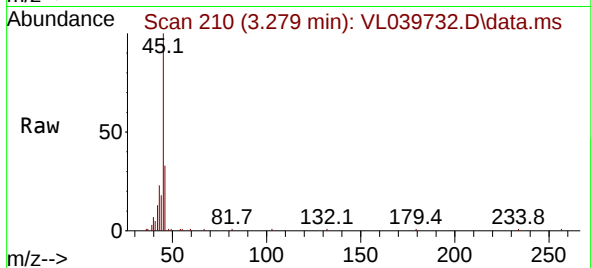
Tgt Ion: 43 Resp: 163143
 Ion Ratio Lower Upper
 43 100
 57 42.8 40.5 60.7





#13
Ethanol
Concen: 11.251 ppbv m
RT: 3.279 min Scan# 210
Delta R.T. -0.003 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

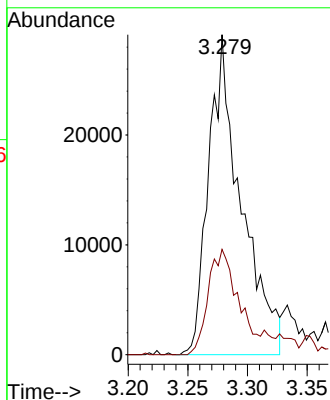
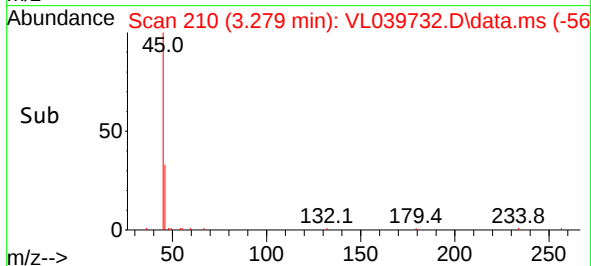
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 45 Resp: 5524
Ion Ratio Lower Upper
45 100
46 40.6 22.8 91.2

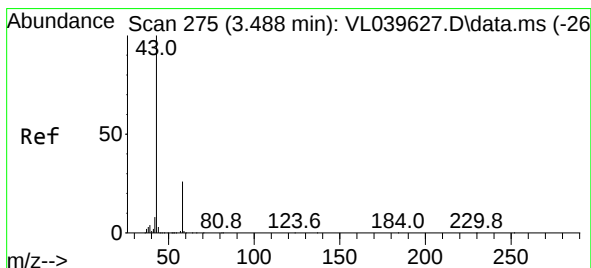
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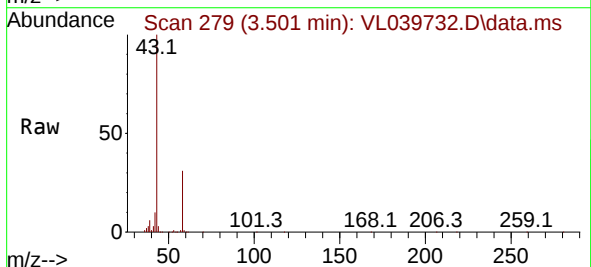


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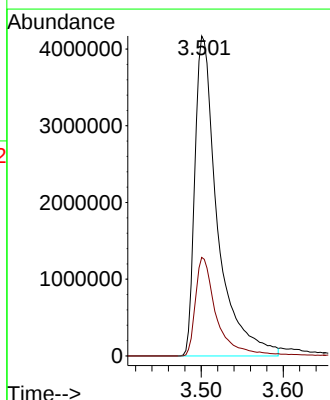
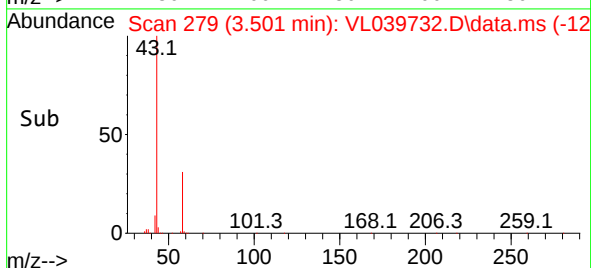
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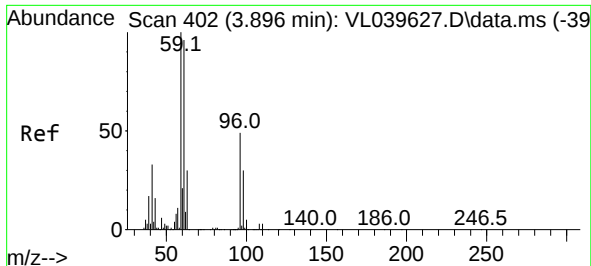


#15
Acetone
Concen: 60.309 ppbv
RT: 3.501 min Scan# 279
Delta R.T. -0.003 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12



Tgt Ion: 43 Resp: 7979037
Ion Ratio Lower Upper
43 100
58 29.5 21.0 31.6





#17

tert-Butyl alcohol

Concen: 1.963 ppbv

RT: 3.918 min Scan# 402

Delta R.T. 0.003 min

Lab File: VL039732.D

Acq: 17 Oct 2022 23:12

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion: 59 Resp: 23303

Ion Ratio Lower Upper

59 100

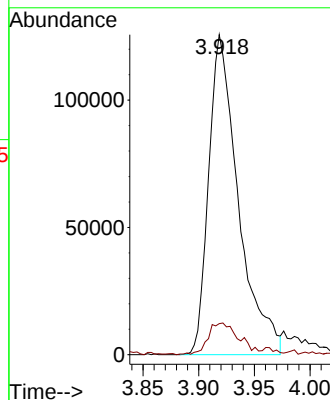
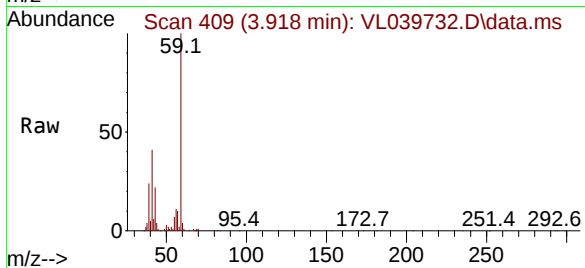
57 11.2 8.7 13.1

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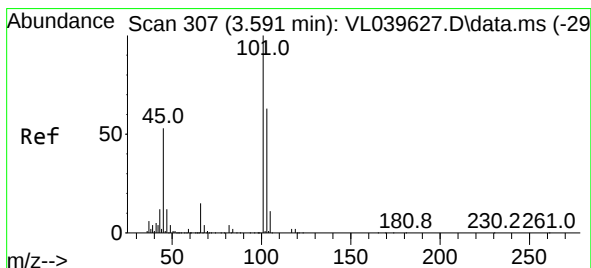
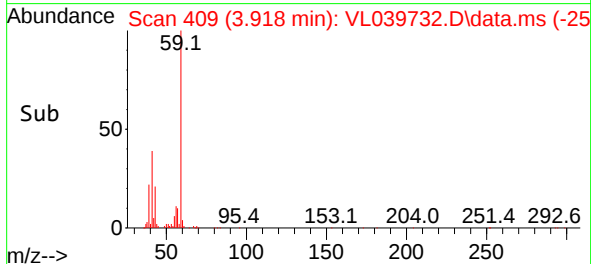


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#19

Isopropyl Alcohol

Concen: 2.070 ppbv

RT: 3.616 min Scan# 315

Delta R.T. 0.003 min

Lab File: VL039732.D

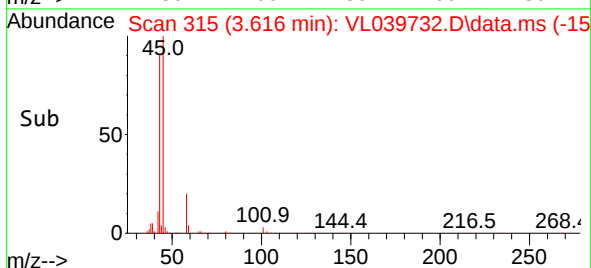
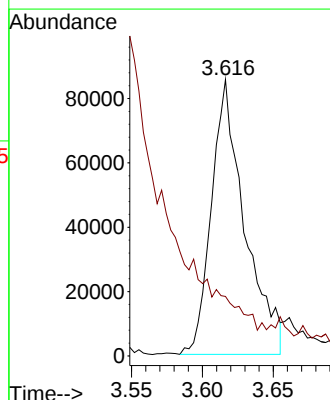
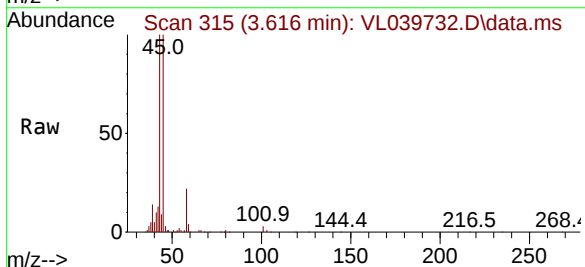
Acq: 17 Oct 2022 23:12

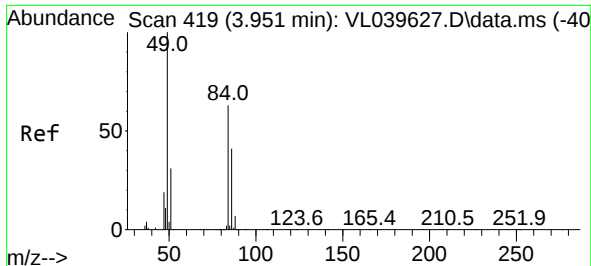
Tgt Ion: 45 Resp: 139621

Ion Ratio Lower Upper

45 100

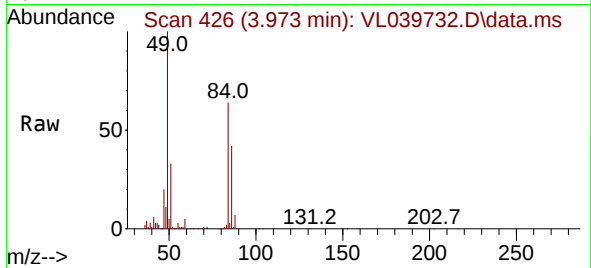
58 0.0 3.2 4.8#





#20
Methylene Chloride
Concen: 2.241 ppbv
RT: 3.973 min Scan# 419
Delta R.T. 0.003 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

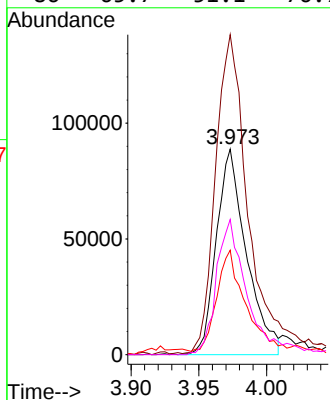
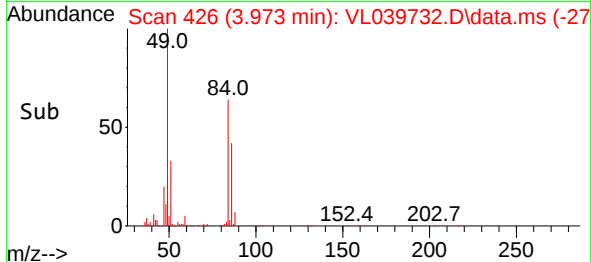
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 84 Resp: 137060
Ion Ratio Lower Upper
84 100
49 154.6 123.1 184.7
51 47.6 34.4 51.6
86 65.7 51.1 76.7

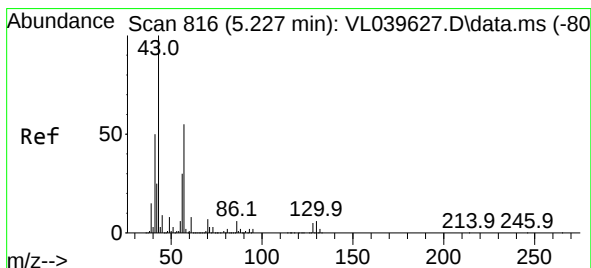
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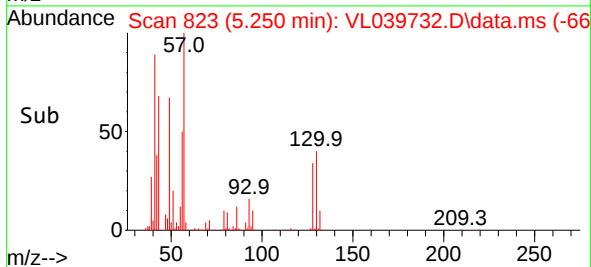
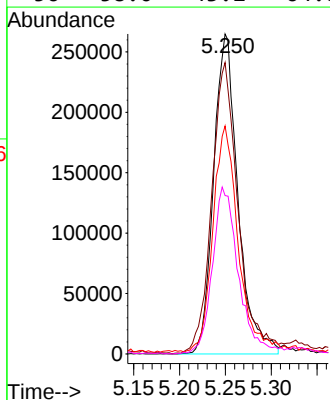
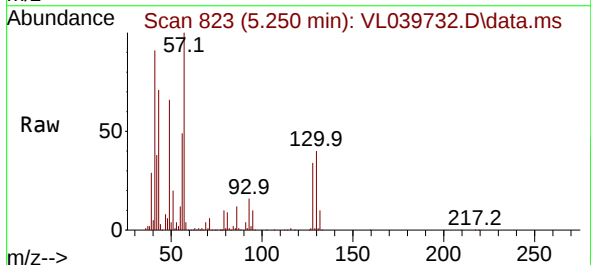
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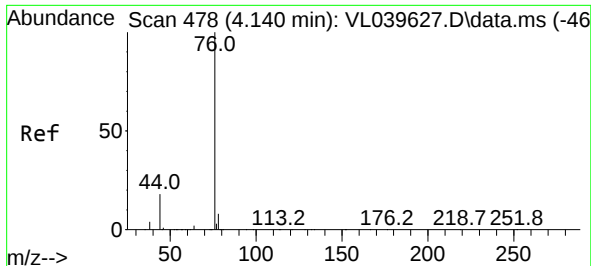
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#26
Hexane
Concen: 4.004 ppbv
RT: 5.250 min Scan# 823
Delta R.T. 0.003 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

Tgt Ion: 57 Resp: 490225
Ion Ratio Lower Upper
57 100
41 101.8 76.9 115.3
43 74.3 191.0 286.6#
56 58.0 43.2 64.8





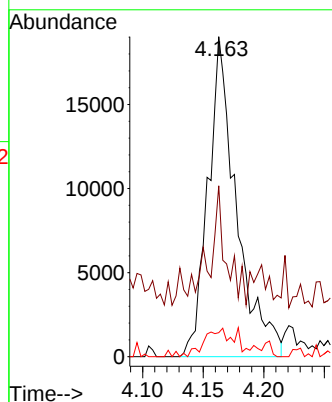
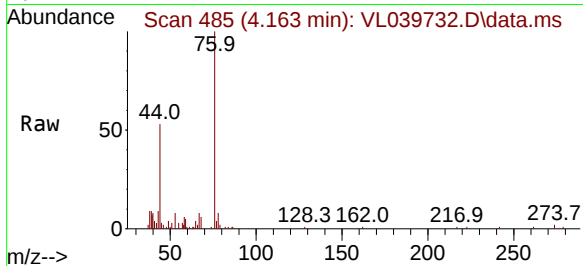
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Carbon Disulfide
Concen: 0.242 ppbv m
RT: 4.163 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 76 Resp: 3109
Ion Ratio Lower Upper
76 100
44 27.9 14.6 21.8
78 12.9 7.8 11.6

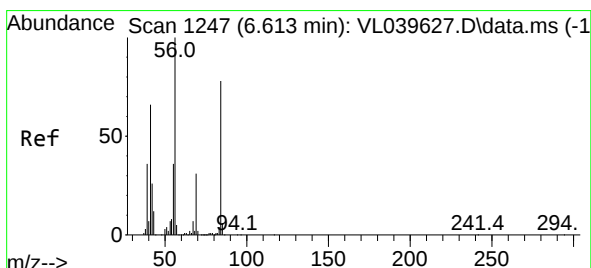
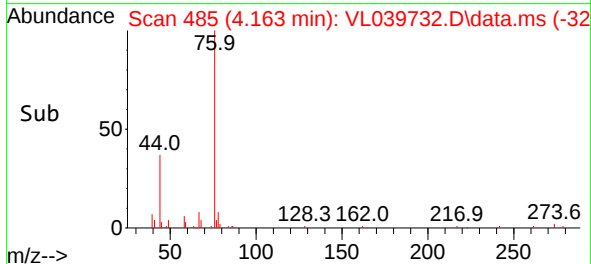
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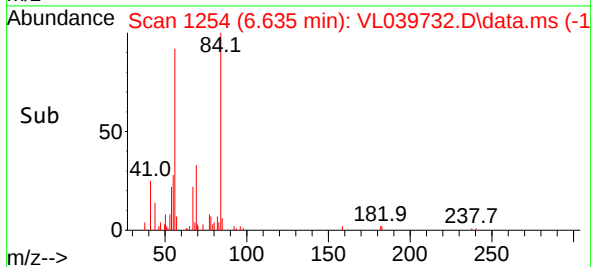
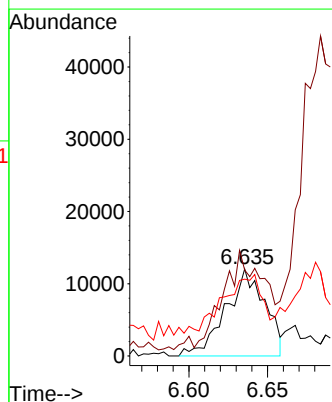
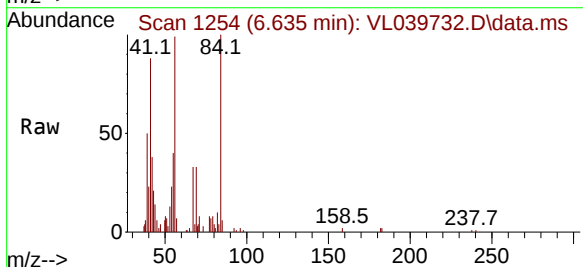
10/18/2022
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Dadoda

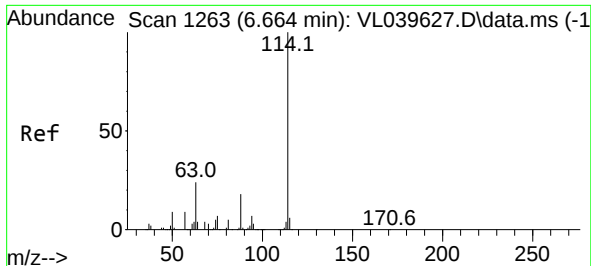
10/19/2022



#30
Cyclohexane
Concen: 0.219 ppbv m
RT: 6.635 min Scan# 1254
Delta R.T. 0.003 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

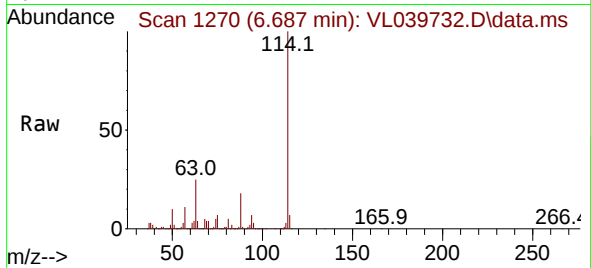
Tgt Ion: 84 Resp: 20808
Ion Ratio Lower Upper
84 100
56 152.0 107.7 161.5
41 116.6 67.7 101.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.687 min Scan# 114
Delta R.T. -0.000 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

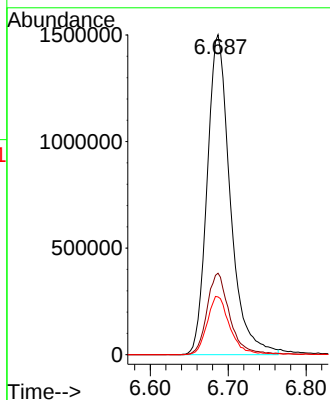
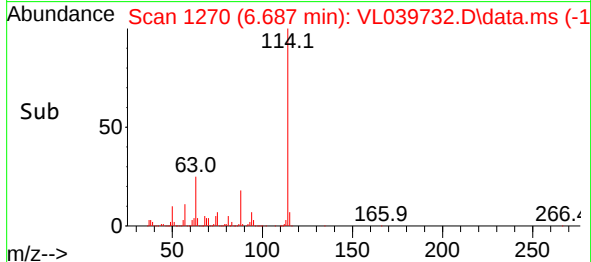
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion:114 Resp: 3090640
Ion Ratio Lower Upper
114 100
63 25.4 20.2 30.4
88 18.1 14.5 21.7

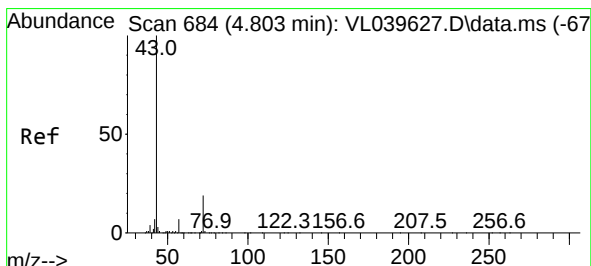
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Yesilyurt



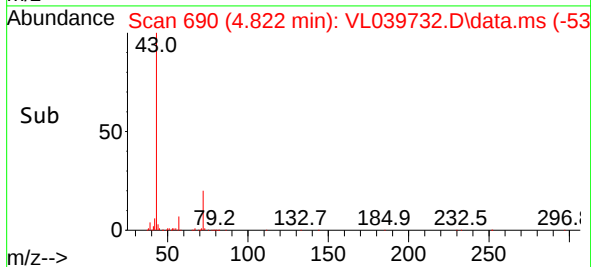
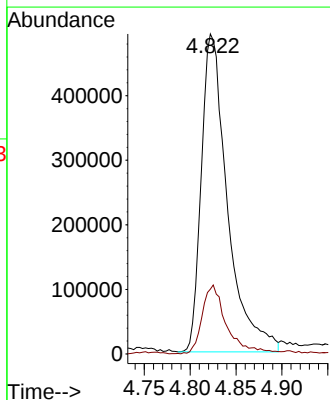
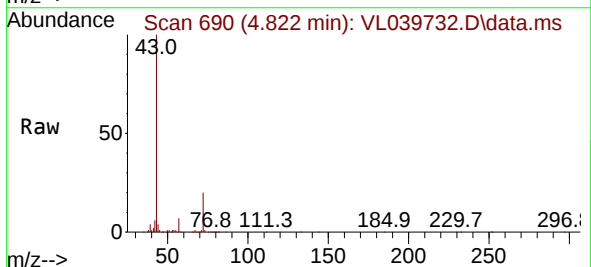
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Supervised By :Mahesh
Dadoda

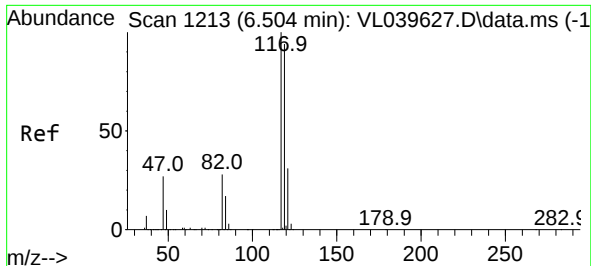
10/19/2022



#34
2-Butanone
Concen: 6.450 ppbv
RT: 4.822 min Scan# 690
Delta R.T. -0.000 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

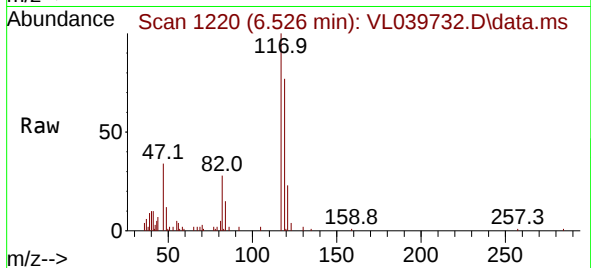
Tgt Ion: 43 Resp: 979125
Ion Ratio Lower Upper
43 100
72 21.2 17.9 26.9





#35
Carbon Tetrachloride
Concen: 0.248 ppbv m
RT: 6.526 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

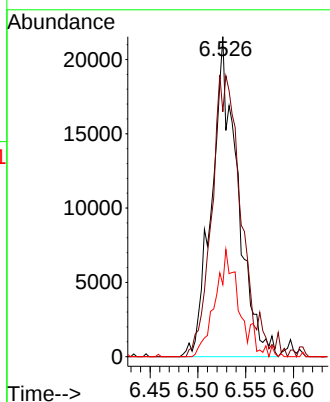
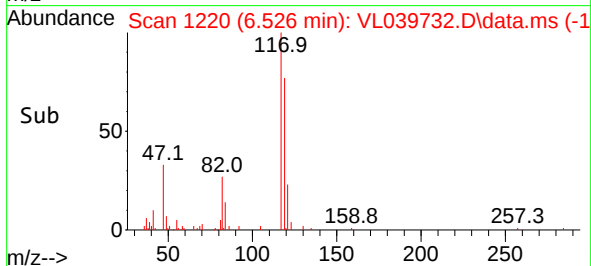
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 117 Resp: 40630
Ion Ratio Lower Upper
117 100
119 76.6 75.4 113.2
121 22.5 24.2 36.2

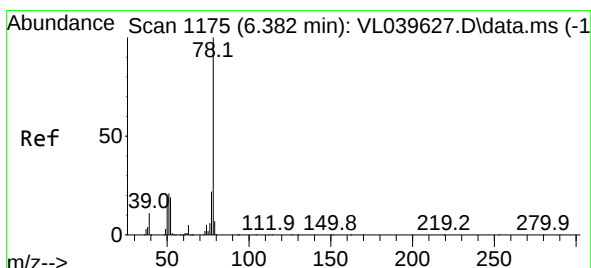
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

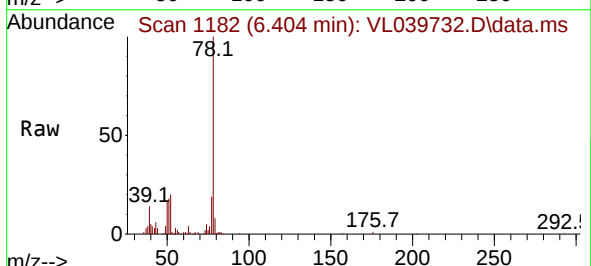


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Supervised By :Mahesh
Dadoda

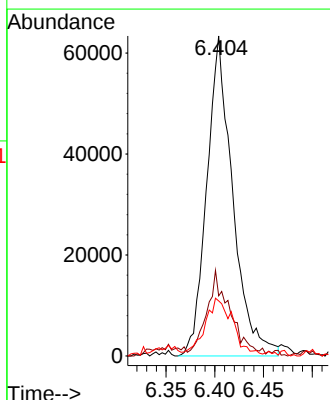
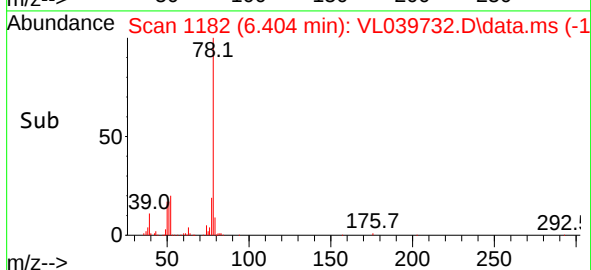
10/19/2022

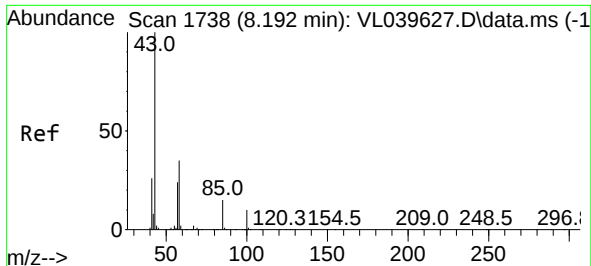


#36
Benzene
Concen: 0.497 ppbv
RT: 6.404 min Scan# 1182
Delta R.T. 0.003 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12



Tgt Ion: 78 Resp: 117332
Ion Ratio Lower Upper
78 100
77 17.5 20.3 30.5#
50 16.3 15.5 23.3





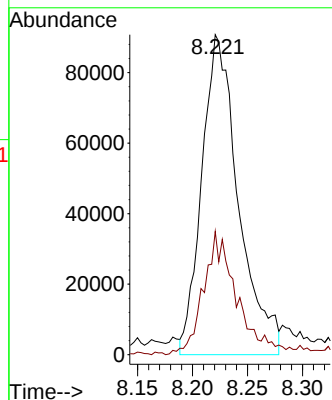
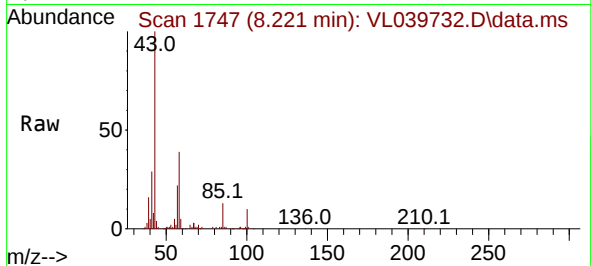
#50
4-Methyl-2-Pentanone
Concen: 0.884 ppbv m
RT: 8.221 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 43 Resp: 210880
Ion Ratio Lower Upper
43 100
58 35.7 28.8 43.2

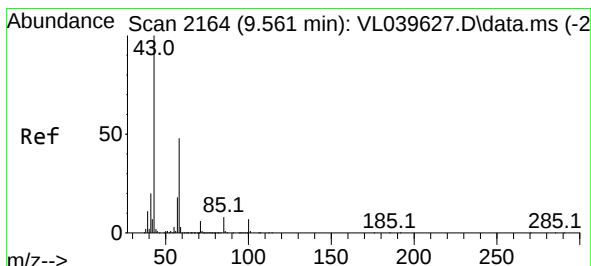
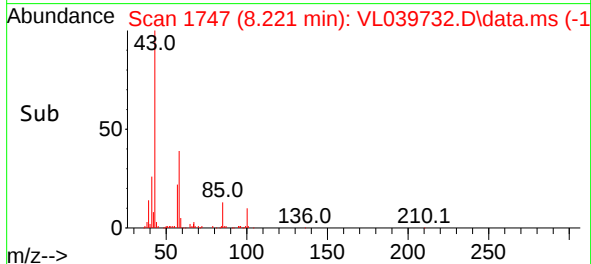
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt



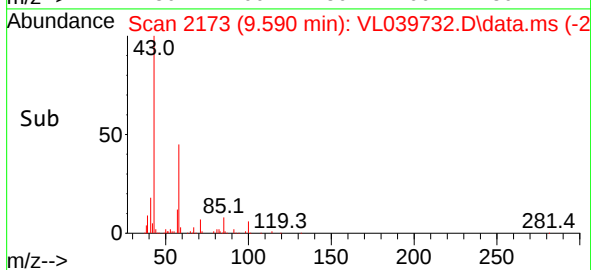
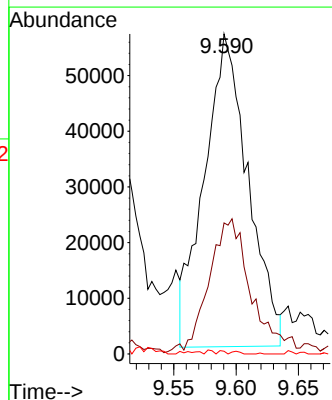
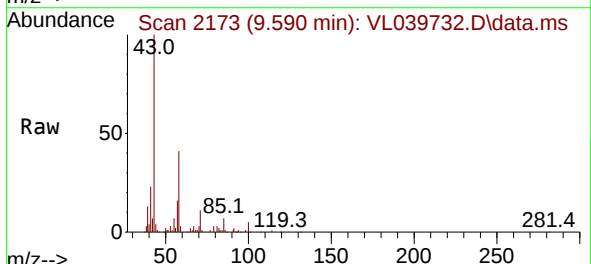
10/18/2022
Supervised By :Mahesh
Dadoda

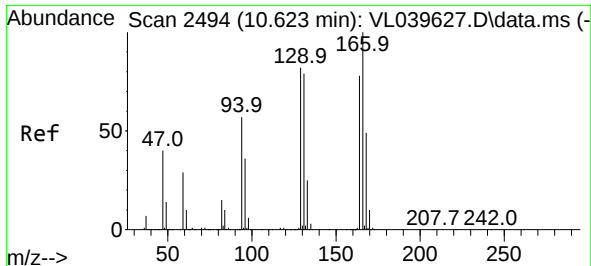
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#51
2-Hexanone
Concen: 0.778 ppbv
RT: 9.590 min Scan# 2173
Delta R.T. 0.013 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

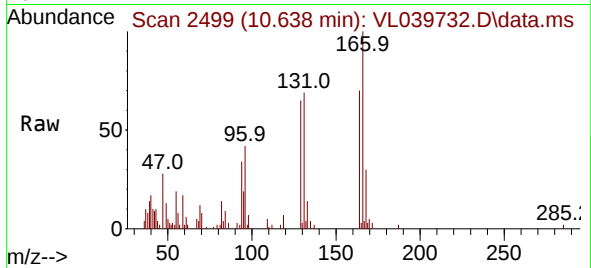
Tgt Ion: 43 Resp: 137426
Ion Ratio Lower Upper
43 100
58 42.9 38.4 57.6
98 0.8 0.3 0.5#





#52
Tetrachloroethene
Concen: 0.233 ppbv m
RT: 10.638 min Scan# 2494
Delta R.T. -0.007 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

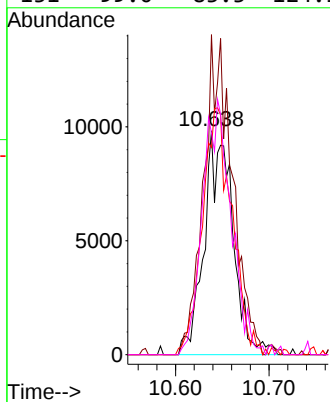
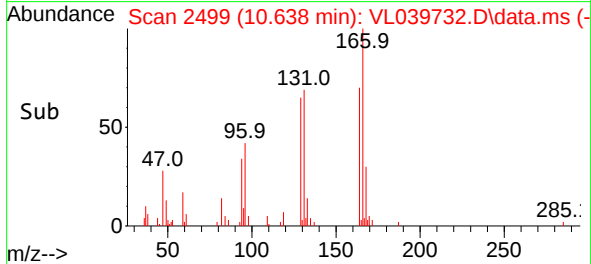
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion:164 Resp: 2103
Ion Ratio Lower Upper
164 100
166 142.9 102.2 153.2
129 92.6 85.8 128.8
131 99.0 83.3 124.9

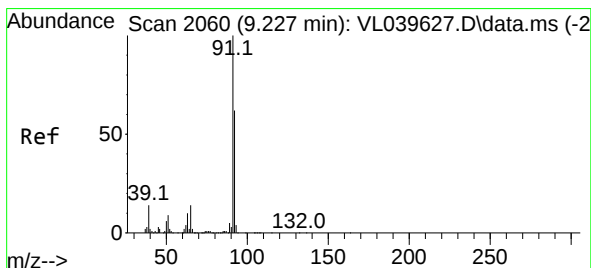
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Reviewed By :Semsettin
Yesilyurt



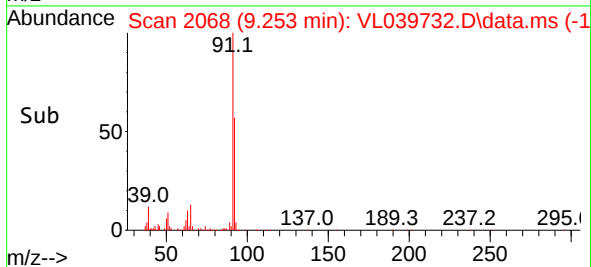
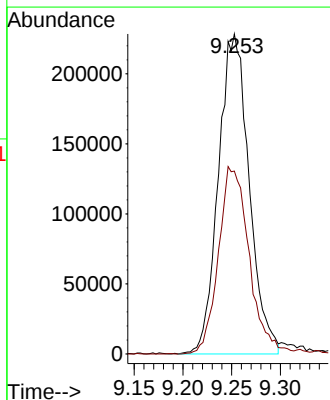
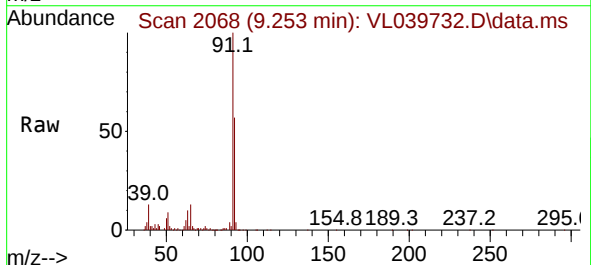
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Supervised By :Mahesh
Dadoda

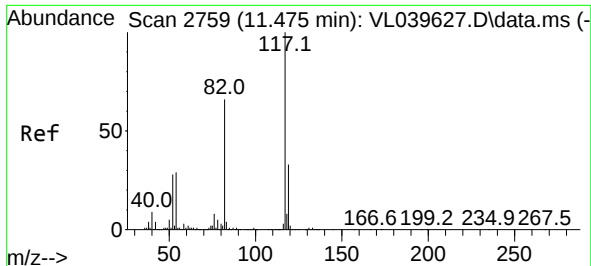
10/19/2022



#53
Toluene
Concen: 1.905 ppbv
RT: 9.253 min Scan# 2068
Delta R.T. 0.003 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

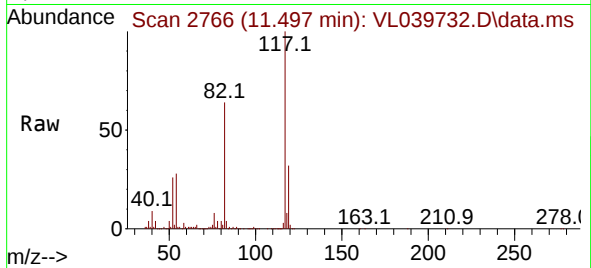
Tgt Ion: 91 Resp: 500549
Ion Ratio Lower Upper
91 100
92 59.3 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.497 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

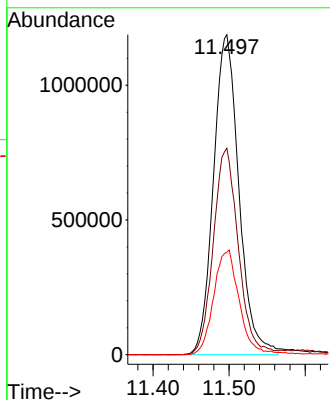
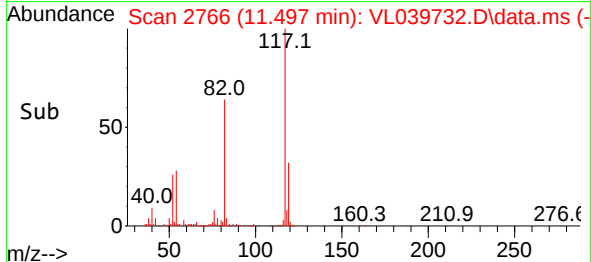
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion:117 Resp: 2760569
Ion Ratio Lower Upper
117 100
82 63.7 50.8 76.2
119 33.1 24.1 36.1

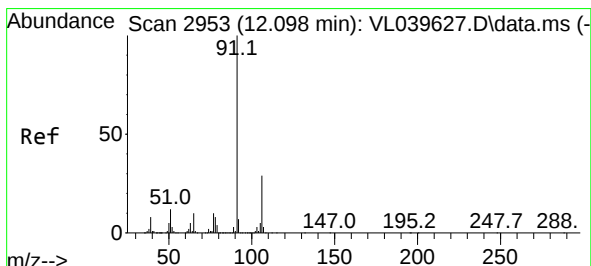
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Reviewed By :Semsettin
Yesilyurt



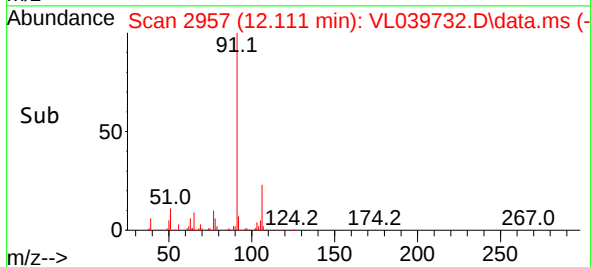
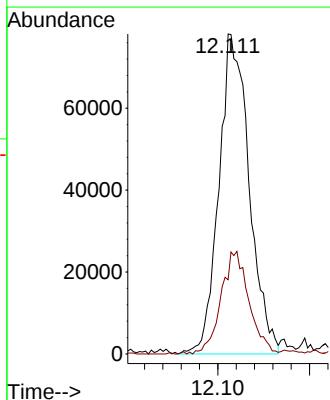
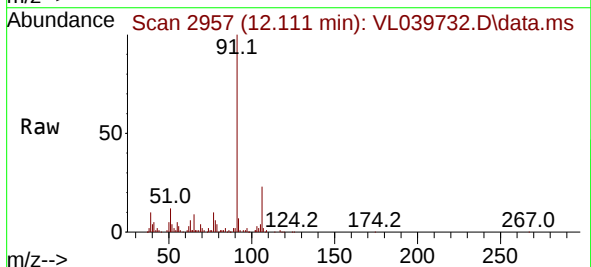
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Supervised By :Mahesh
Dadoda

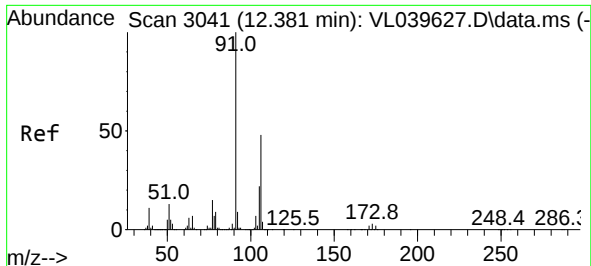
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#58
Ethyl Benzene
Concen: 0.563 ppbv
RT: 12.111 min Scan# 2957
Delta R.T. -0.003 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

Tgt Ion: 91 Resp: 179326
Ion Ratio Lower Upper
91 100
106 23.2 25.4 38.0#





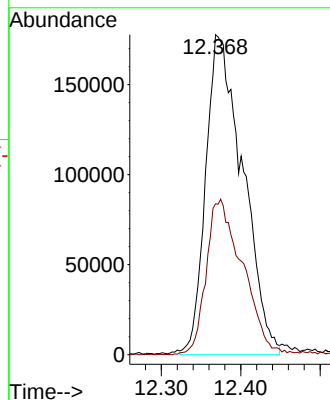
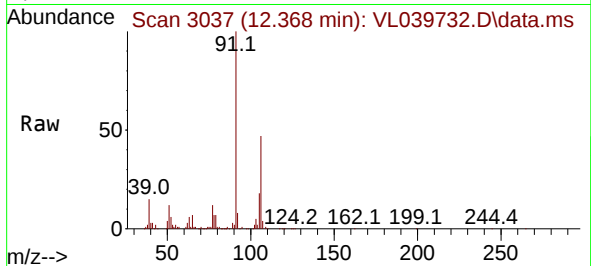
#59
m/p-Xylene
Concen: 2.033 ppbv m
RT: 12.368 min Scan# 3041
Delta R.T. -0.032 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 91 Resp: 575950
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

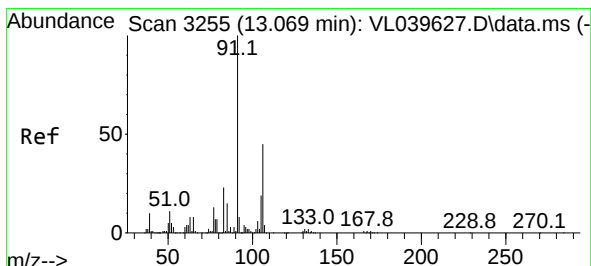
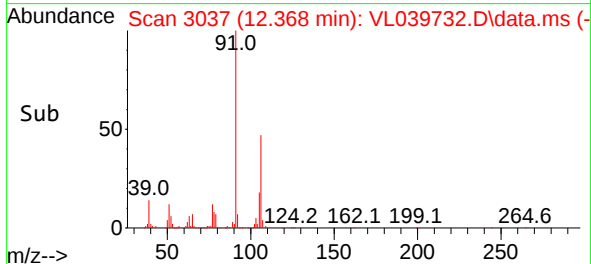
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Reviewed By :Semsettin
Yesilyurt



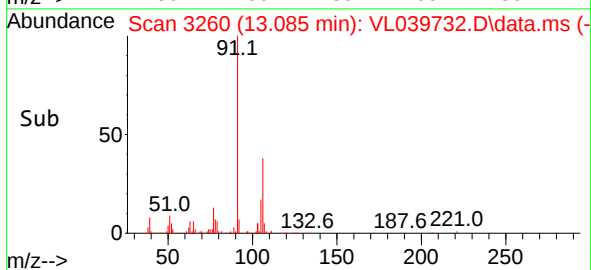
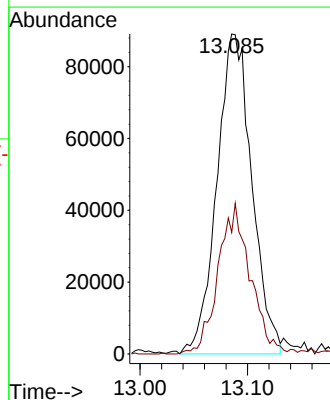
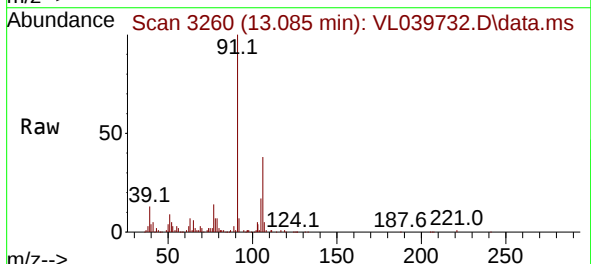
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Supervised By :Mahesh
Dadoda

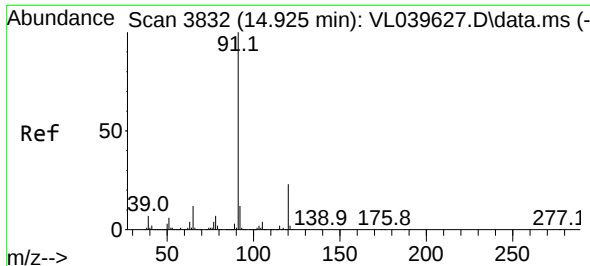
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#60
o-Xylene
Concen: 0.744 ppbv
RT: 13.085 min Scan# 3260
Delta R.T. -0.000 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

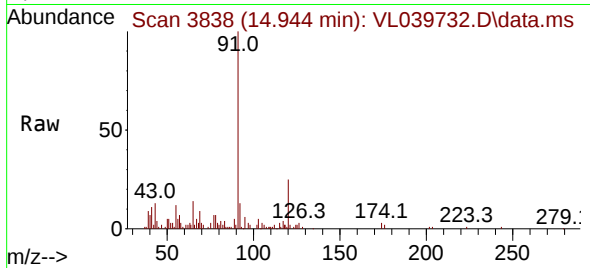
Tgt Ion: 91 Resp: 201365
Ion Ratio Lower Upper
91 100
106 44.1 22.4 67.3





#64
n-propylbenzene
Concen: 0.195 ppbv m
RT: 14.944 min Scan# 3832
Delta R.T. 0.003 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

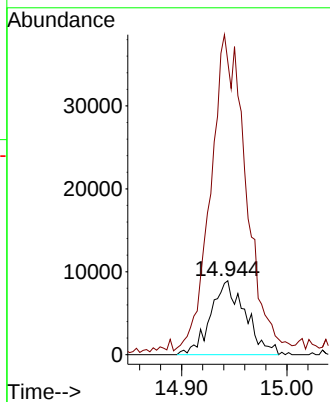
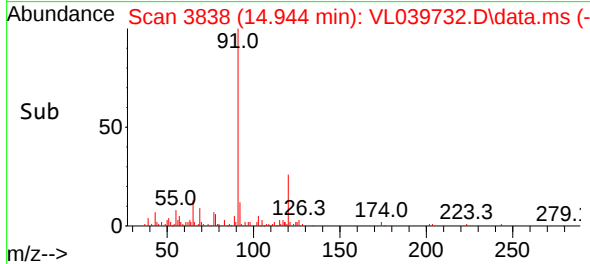
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion:120 Resp: 2035
Ion Ratio Lower Upper
120 100
91 449.1 367.2 550.8

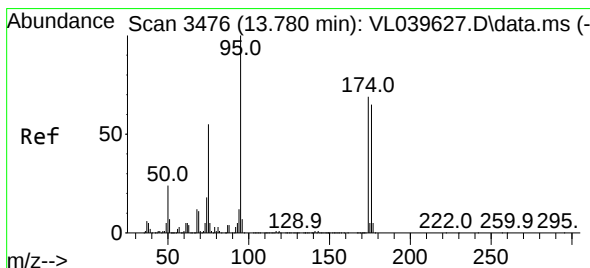
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Reviewed By :Semsettin
Yesilyurt



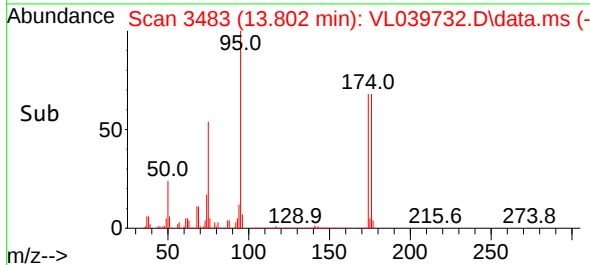
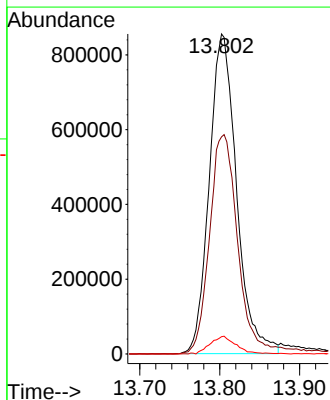
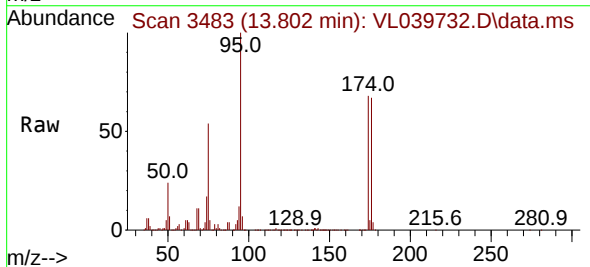
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Supervised By :Mahesh
Dadoda

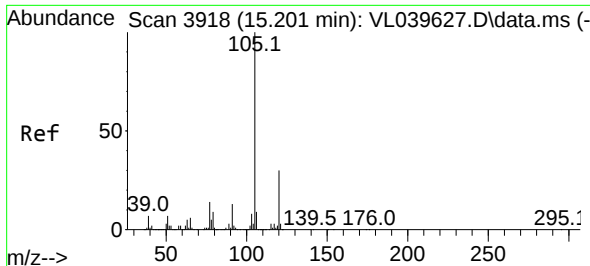
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.833 ppbv
RT: 13.802 min Scan# 3483
Delta R.T. 0.003 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

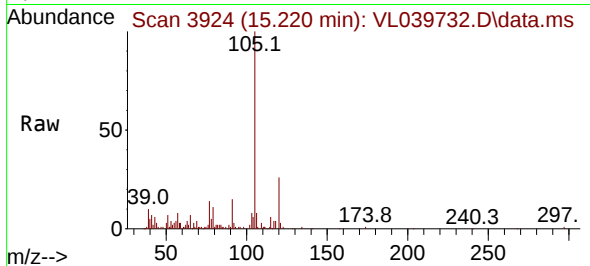
Tgt Ion: 95 Resp: 2026363
Ion Ratio Lower Upper
95 100
174 73.2 55.9 83.9
175 5.3 4.2 6.4





#72
4-Ethyltoluene
Concen: 0.397 ppbv
RT: 15.220 min Scan# 3918
Delta R.T. -0.000 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

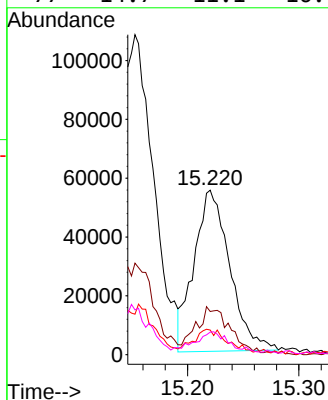
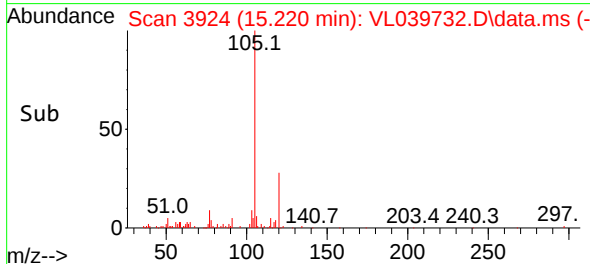
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion:105 Resp: 12245
Ion Ratio Lower Upper
105 100
120 30.0 24.2 36.2
91 17.4 10.2 15.4
77 14.7 11.1 16.7

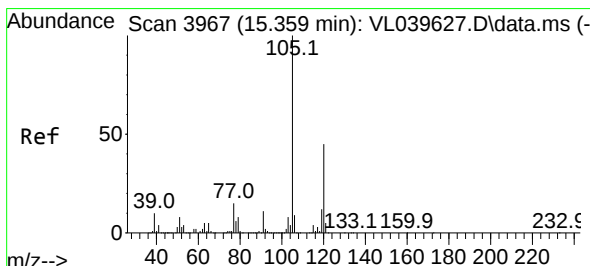
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Yesilyurt

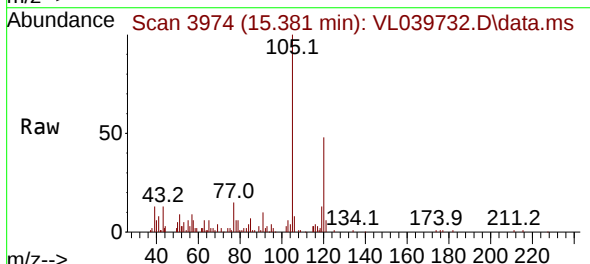


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Dadoda

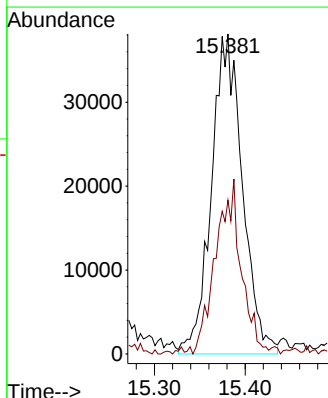
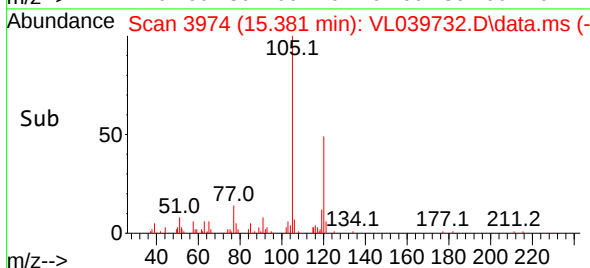
10/19/2022

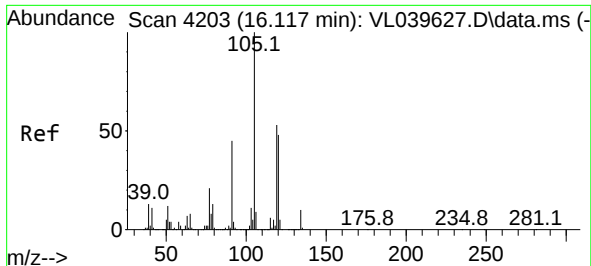


#73
1,3,5-Trimethylbenzene
Concen: 0.320 ppbv m
RT: 15.381 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12



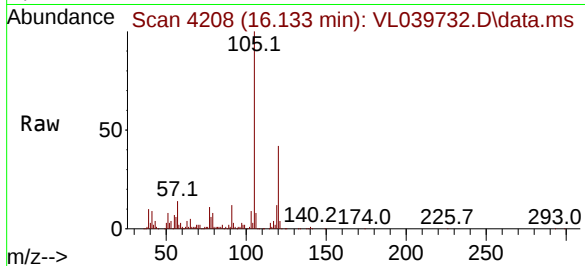
Tgt Ion:105 Resp: 90435
Ion Ratio Lower Upper
105 100
120 48.0 38.2 57.4





#74
1,2,4-Trimethylbenzene
Concen: 1.296 ppbv
RT: 16.133 min Scan# 410490
Delta R.T. -0.000 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12

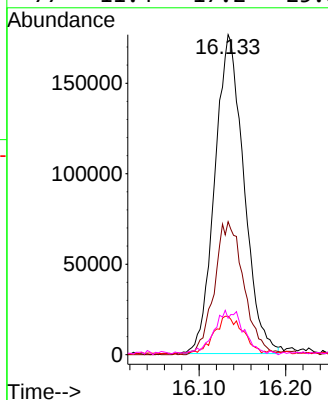
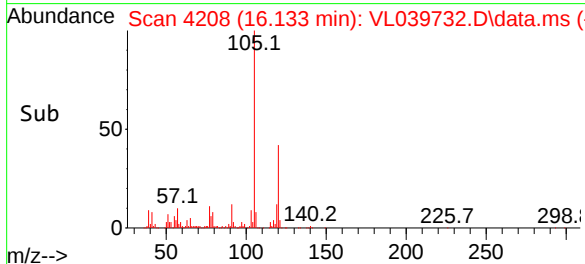
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion:105 Resp: 410490
Ion Ratio Lower Upper
105 100
120 41.7 39.5 59.3
91 11.4 39.2 58.8
77 11.4 17.2 25.8#

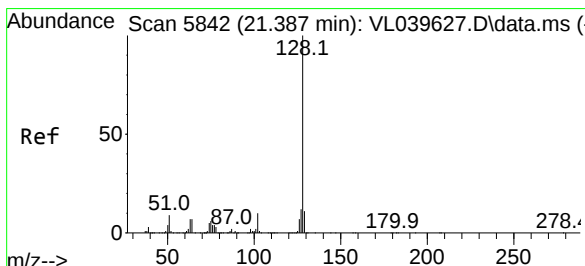
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Yesilyurt

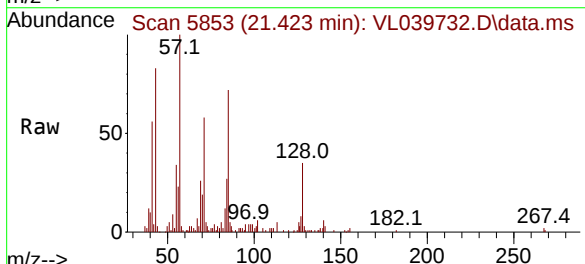


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Supervised By :Mahesh
Dadoda

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#79
Naphthalene
Concen: 0.160 ppbv m
RT: 21.423 min Scan# 5853
Delta R.T. 0.016 min
Lab File: VL039732.D
Acq: 17 Oct 2022 23:12



Tgt Ion:128 Resp: 33458
Ion Ratio Lower Upper
128 100
127 21.6 10.6 15.8#
129 8.4 8.8 13.2#

