

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
 Data File : VL040618.D
 Acq On : 9 Aug 2023 23:22
 Operator : SY/MD
 Sample : 03950-02 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

Quant Time: Aug 10 01:33:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 10 01:33:57 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

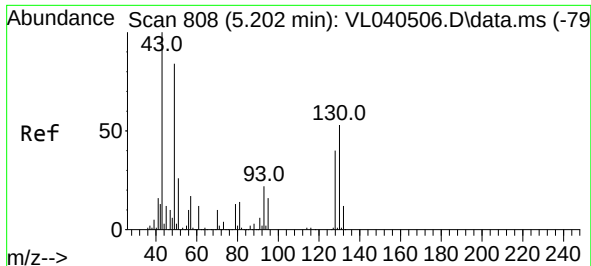
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							08/10/2023
1) Bromochloromethane	5.188	49	968906	10.000	ppbv	-0.03	Supervised By : Mahesh
33) 1,4-Difluorobenzene	6.655	114	2367670	10.000	ppbv	0.00	adoda
55) Chlorobenzene-d5	11.474	117	2307641	10.000	ppbv	0.00	
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.812	95	1926321	10.547	ppbv	0.03	08/10/2023
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.500%	
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.716	85	39558	0.204	ppbv		93
4) Chloromethane	2.796	50	12184m	0.200	ppbv		
8) Dichlorotetrafluoroethane	2.848	85	165353	1.037	ppbv		94
9) Propene	2.684	41	359563	6.839	ppbv		95
11) Trichlorofluoromethane	3.555	101	22399	0.143	ppbv		91
13) Ethanol	3.246	45	21828m	1.908	ppbv		
15) Acetone	3.459	43	2121138	19.019	ppbv		90
17) tert-Butyl alcohol	3.889	59	29511	0.256	ppbv #		71
18) 1,1-Dichloroethene	3.873	96	6032m	0.119	ppbv		
20) Methylene Chloride	3.928	84	376855	7.944	ppbv		98
24) 1,1-Dichloroethane	4.558	63	10881	0.101	ppbv		98
26) Hexane	5.211	57	185988	1.886	ppbv #		38
27) Carbon Disulfide	4.118	76	64995	0.560	ppbv #		88
29) Chloroform	5.272	83	149903	0.916	ppbv		98
30) Cyclohexane	6.610	84	47081m	0.574	ppbv		
32) 1,1,1-Trichloroethane	6.002	97	559927	3.498	ppbv		98
34) 2-Butanone	4.793	43	80098	0.685	ppbv		98
35) Carbon Tetrachloride	6.494	117	92444	0.649	ppbv		93
36) Benzene	6.372	78	20279	0.106	ppbv #		90
38) Trichloroethene	7.294	130	23337	0.324	ppbv		94
44) 2,2,4-Trimethylpentane	7.327	57	101358	0.331	ppbv #		56
52) Tetrachloroethene	10.616	164	77651m	1.259	ppbv		
53) Toluene	9.227	91	136661	0.660	ppbv		98
58) Ethyl Benzene	12.204	91	28989m	0.100	ppbv		
59) m/p-Xylene	12.442	91	50181m	0.194	ppbv		
60) o-Xylene	13.105	91	26143m	0.106	ppbv		

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

Manual Integrations

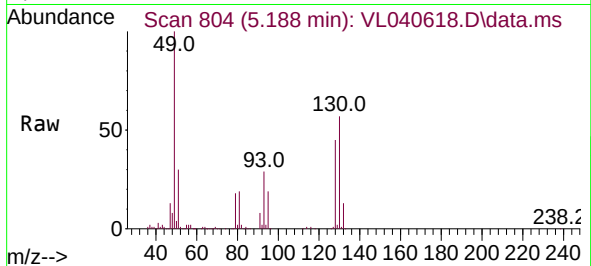
Quant Time: Aug 10 01:33:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 80
Delta R.T. -0.014 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

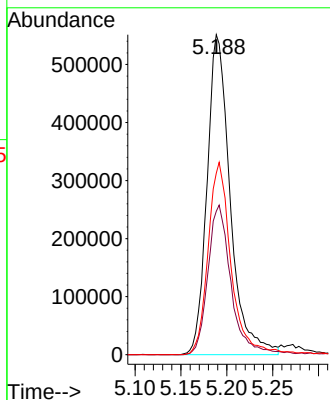
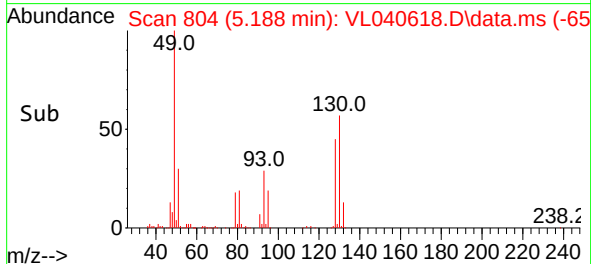
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 968900
Ion Ratio Lower Upper
49 100
128 47.4 25.1 75.4
130 60.6 31.6 94.7

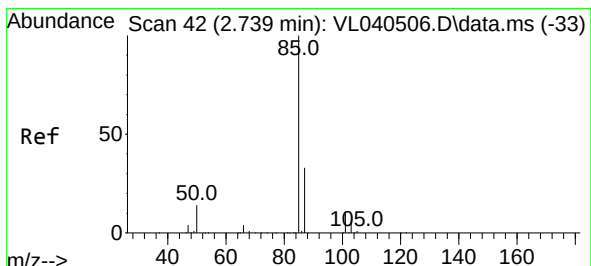
Manual Integrations
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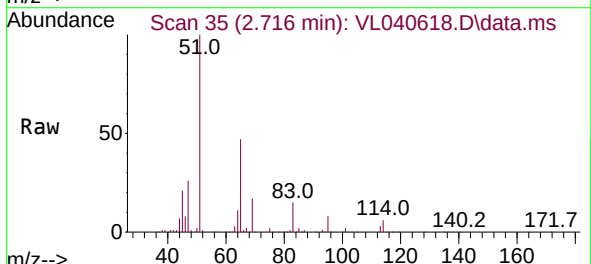


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Dadoda

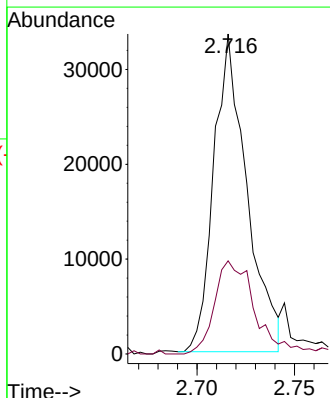
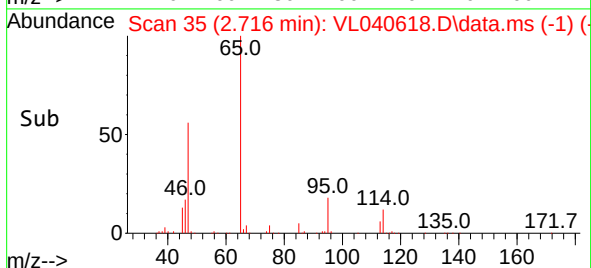
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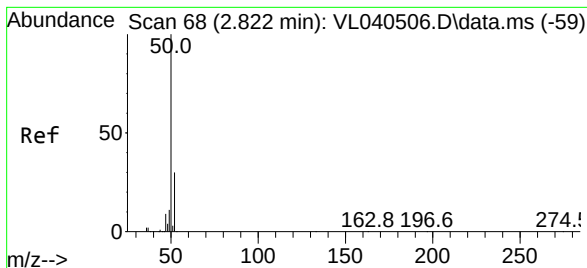


#2
Dichlorodifluoromethane
Concen: 0.204 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.023 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22



Tgt Ion: 85 Resp: 39558
Ion Ratio Lower Upper
85 100
87 29.3 26.8 40.2





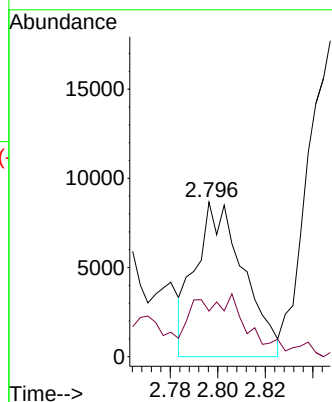
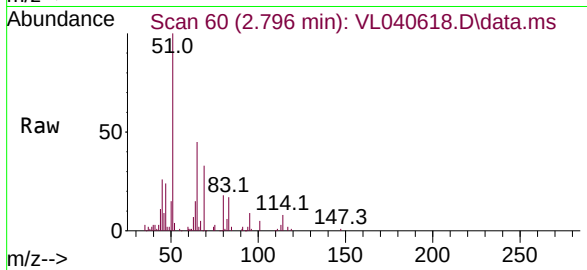
#4
Chloromethane
Concen: 0.200 ppbv m
RT: 2.796 min Scan# 60
Delta R.T. -0.026 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 50 Resp: 12184
Ion Ratio Lower Upper
50 100
52 29.5 24.4 36.6

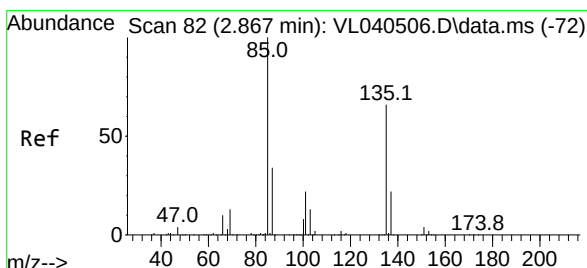
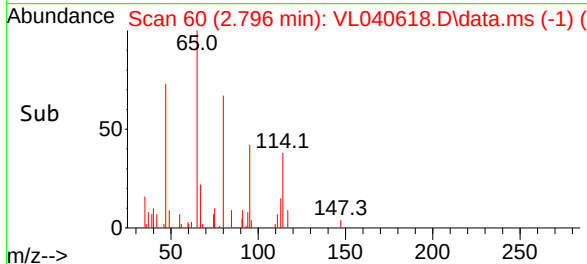
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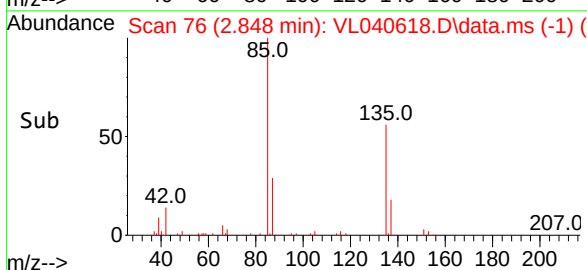
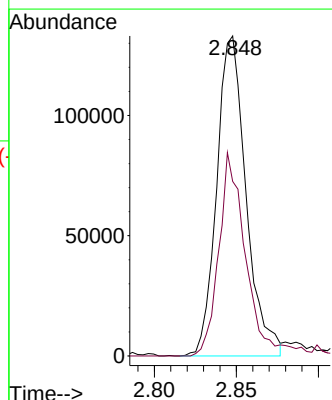
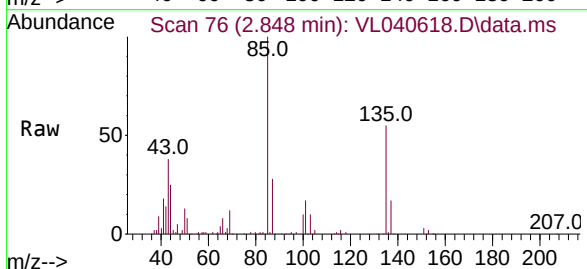
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Supervised By :Mahesh
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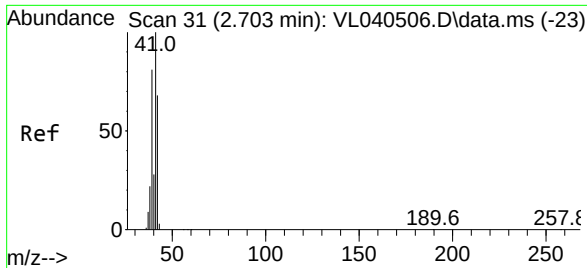
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#8
Dichlorotetrafluoroethane
Concen: 1.037 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.019 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

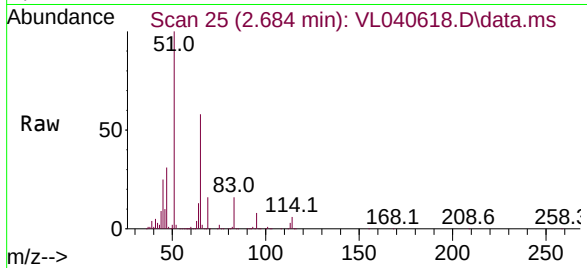
Tgt Ion: 85 Resp: 165353
Ion Ratio Lower Upper
85 100
135 60.5 52.4 78.6





#9
 Propene
 Concen: 6.839 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. -0.019 min
 Lab File: VL040618.D
 Acq: 9 Aug 2023 23:22

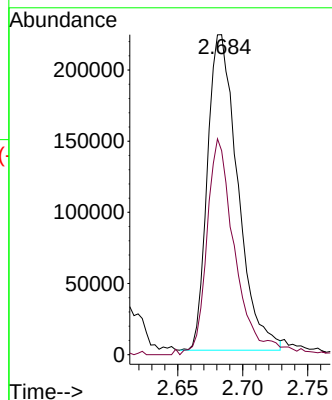
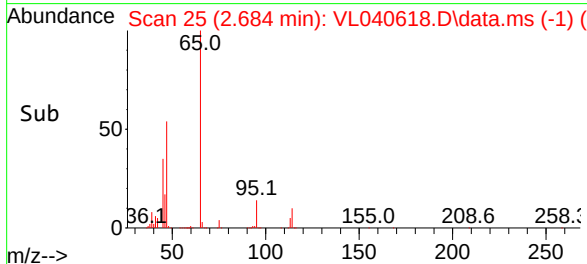
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion: 41 Resp: 35956
 Ion Ratio Lower Upper
 41 100
 42 64.6 55.0 82.6

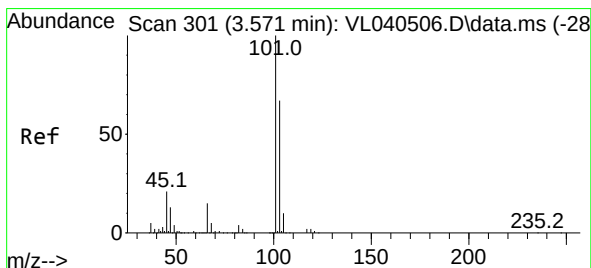
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Reviewed By :Semsettin
 Yesilyurt



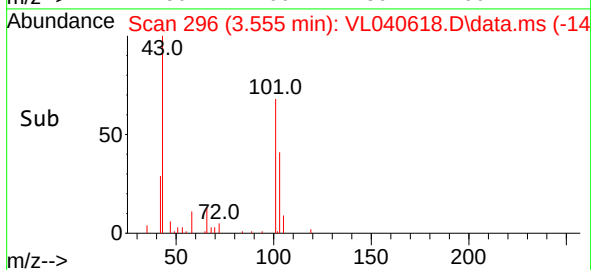
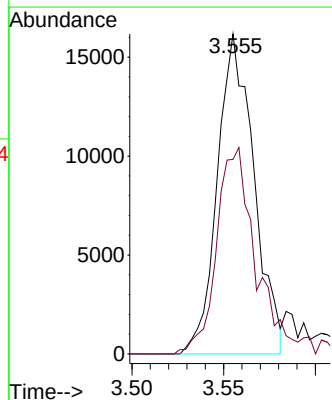
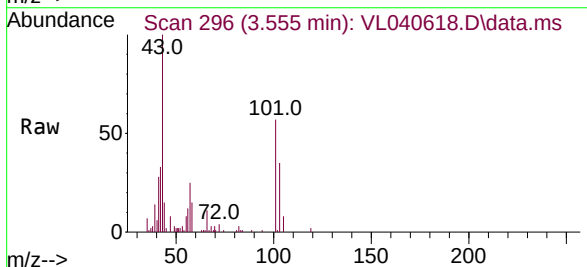
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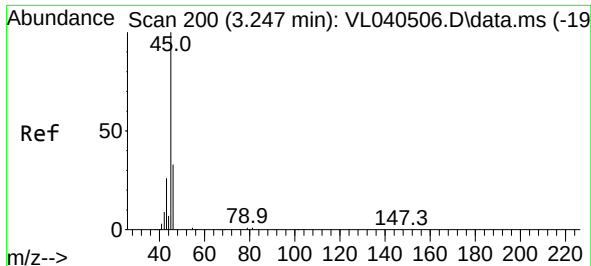
08/10/2023



#11
 Trichlorofluoromethane
 Concen: 0.143 ppbv
 RT: 3.555 min Scan# 296
 Delta R.T. -0.016 min
 Lab File: VL040618.D
 Acq: 9 Aug 2023 23:22

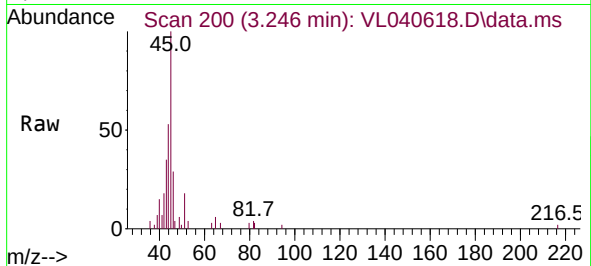
Tgt Ion:101 Resp: 22399
 Ion Ratio Lower Upper
 101 100
 103 59.5 53.4 80.0





#13
Ethanol
Concen: 1.908 ppbv m
RT: 3.246 min Scan# 20
Delta R.T. -0.000 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

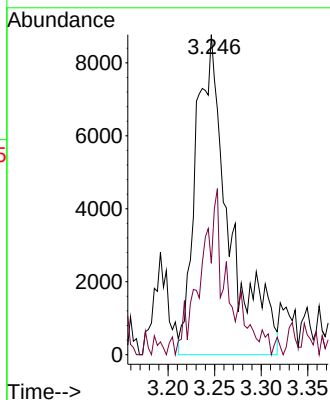
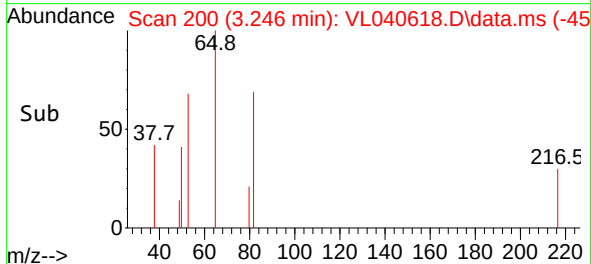
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 45 Resp: 21828
Ion Ratio Lower Upper
45 100
46 45.0 15.3 61.1

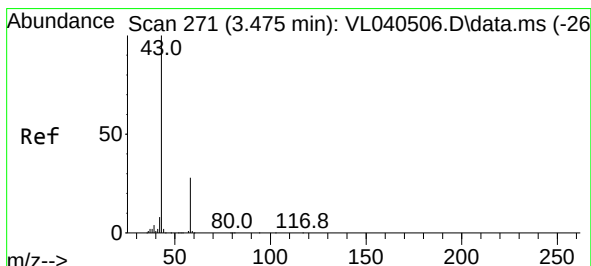
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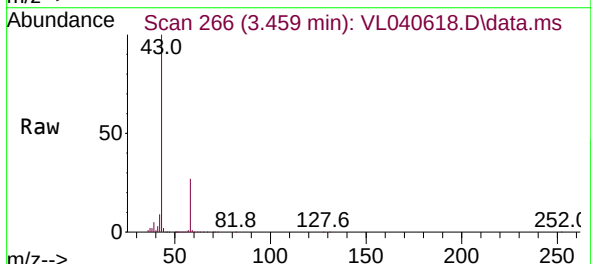


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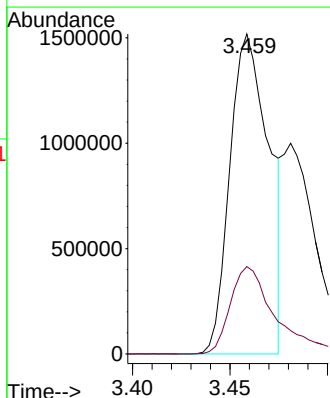
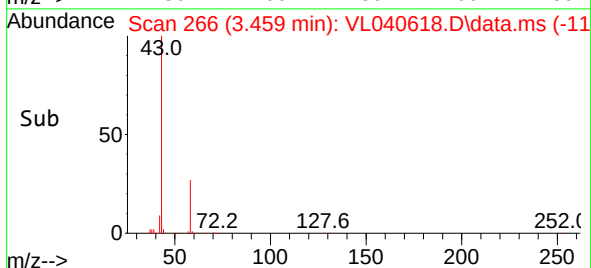
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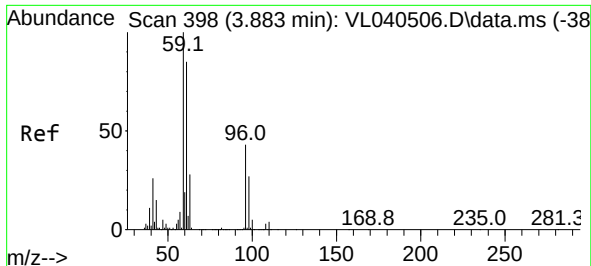


#15
Acetone
Concen: 19.019 ppbv
RT: 3.459 min Scan# 266
Delta R.T. -0.016 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22



Tgt Ion: 43 Resp: 2121138
Ion Ratio Lower Upper
43 100
58 33.7 22.9 34.3





#17

tert-Butyl alcohol

Concen: 0.256 ppbv

RT: 3.889 min Scan# 400

Delta R.T. 0.006 min

Lab File: VL040618.D

Acq: 9 Aug 2023 23:22

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 59 Resp: 2951

Ion Ratio Lower Upper

59 100

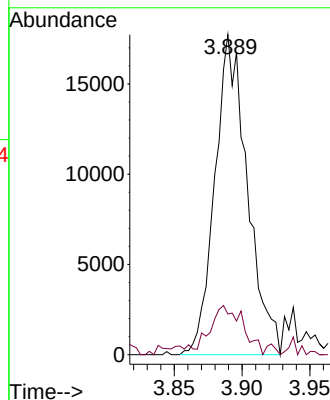
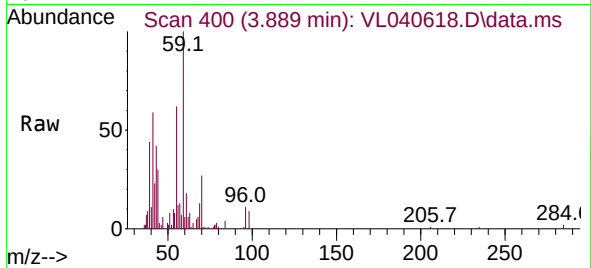
57 0.0 8.7 13.1

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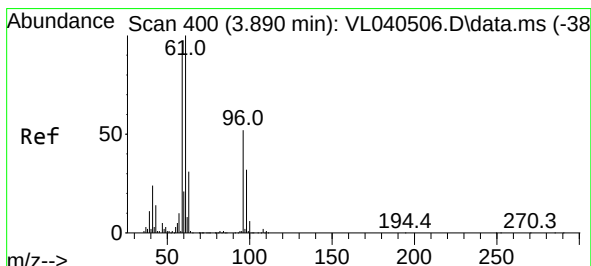
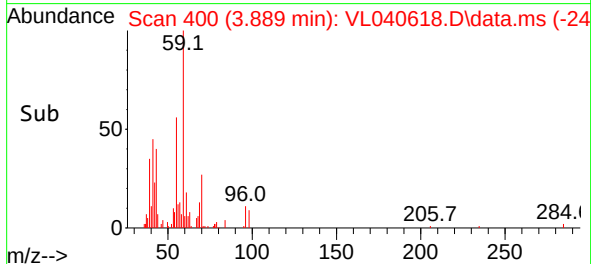


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#18

1,1-Dichloroethene

Concen: 0.119 ppbv m

RT: 3.873 min Scan# 395

Delta R.T. -0.016 min

Lab File: VL040618.D

Acq: 9 Aug 2023 23:22

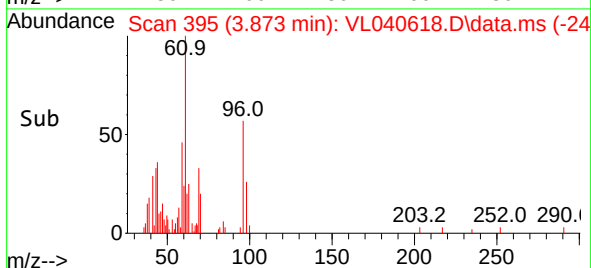
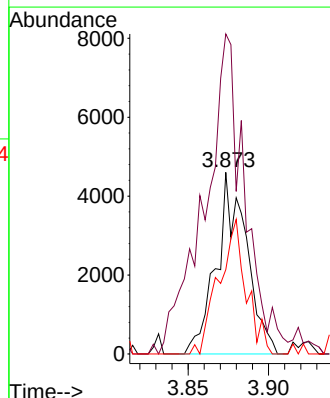
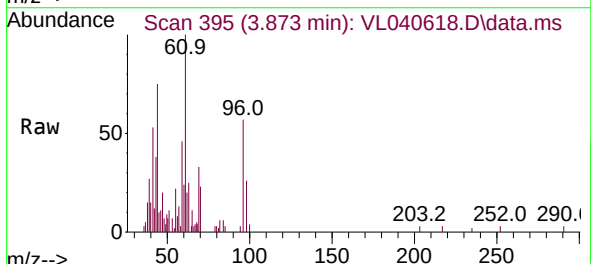
Tgt Ion: 96 Resp: 6032

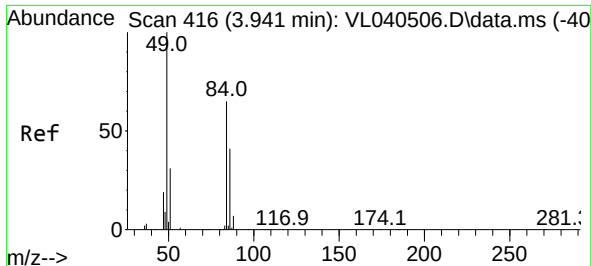
Ion Ratio Lower Upper

96 100

61 176.1 154.4 231.6

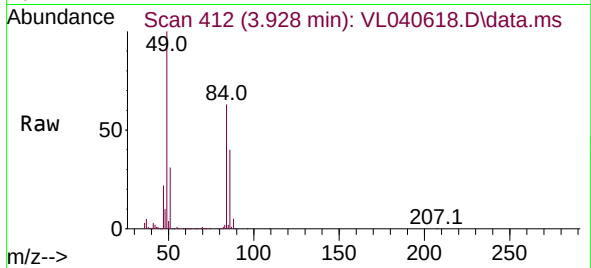
98 46.4 50.0 75.0





#20
Methylene Chloride
Concen: 7.944 ppbv
RT: 3.928 min Scan# 416
Delta R.T. -0.013 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

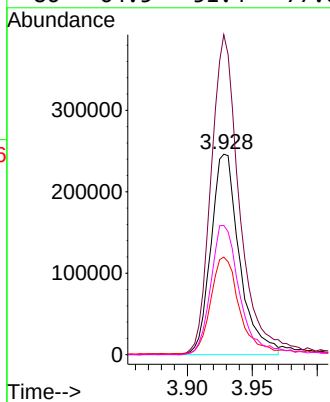
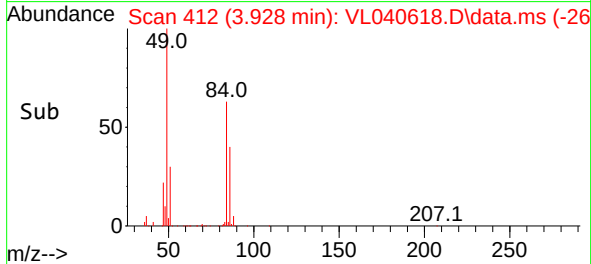
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 84 Resp: 37685
Ion Ratio Lower Upper
84 100
49 159.4 123.4 185.2
51 48.1 38.3 57.5
86 64.5 51.4 77.0

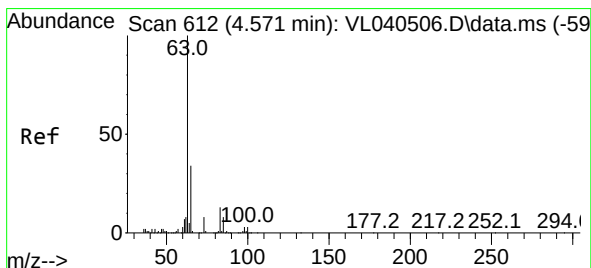
Manual Integrations
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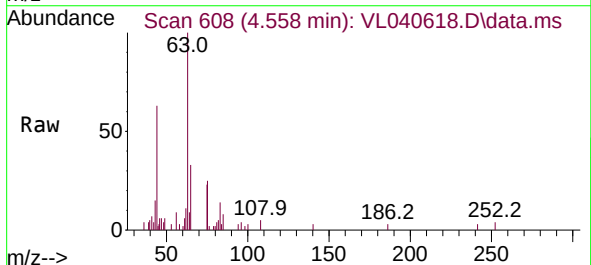


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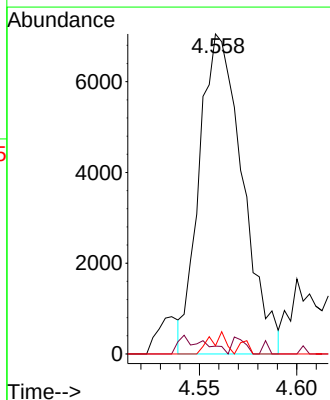
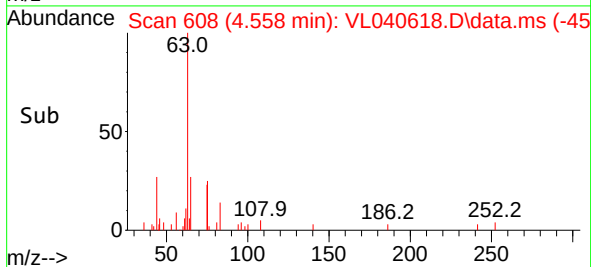
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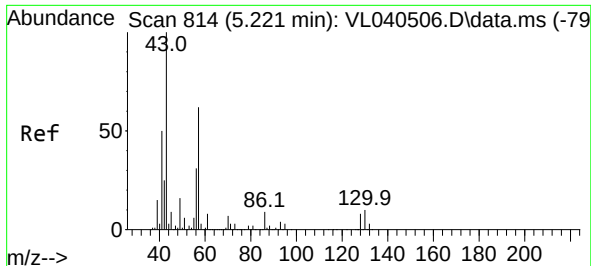


#24
1,1-Dichloroethane
Concen: 0.101 ppbv
RT: 4.558 min Scan# 608
Delta R.T. -0.013 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22



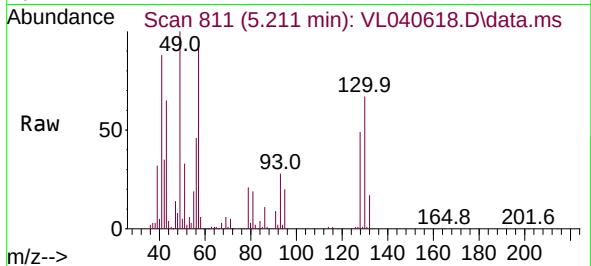
Tgt Ion: 63 Resp: 10881
Ion Ratio Lower Upper
63 100
98 2.7 1.8 5.5
100 2.8 1.4 4.0





#26
Hexane
Concen: 1.886 ppbv
RT: 5.211 min Scan# 814
Delta R.T. -0.010 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

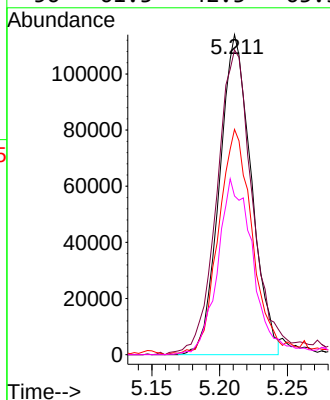
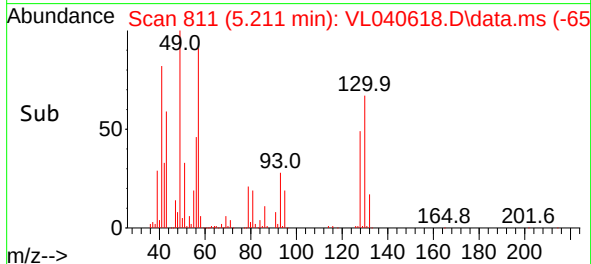
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 57 Resp: 18598
Ion Ratio Lower Upper
57 100
41 110.4 69.5 104.3#
43 78.3 177.1 265.7#
56 61.3 42.3 63.5#

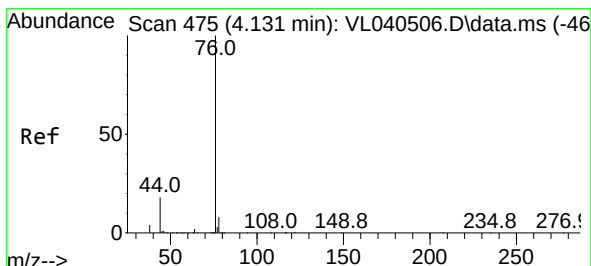
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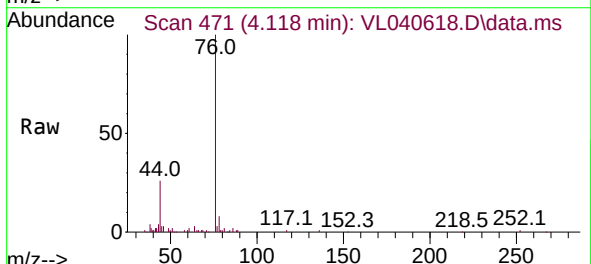


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Dadoda

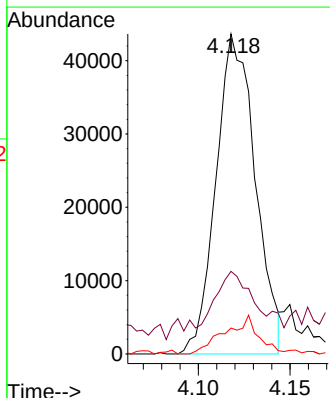
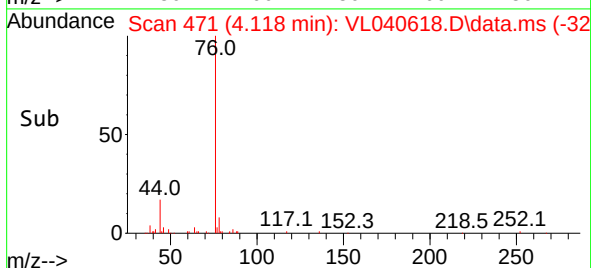
08/10/2023

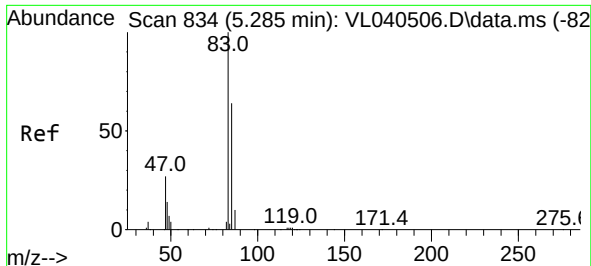


#27
Carbon Disulfide
Concen: 0.560 ppbv
RT: 4.118 min Scan# 471
Delta R.T. -0.013 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22



Tgt Ion: 76 Resp: 64995
Ion Ratio Lower Upper
76 100
44 25.6 15.1 22.7#
78 12.0 7.5 11.3#





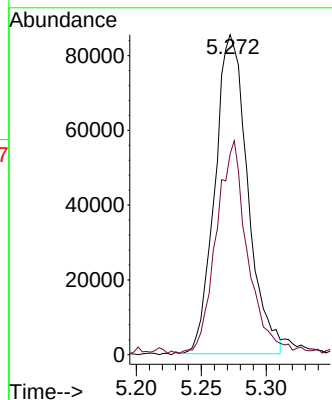
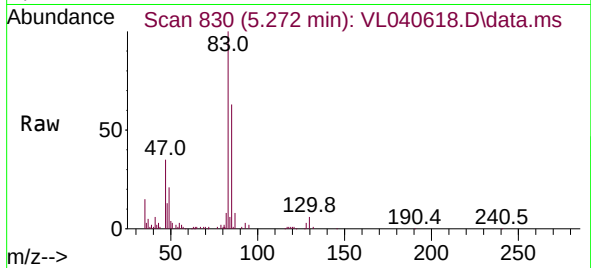
#29
Chloroform
Concen: 0.916 ppbv
RT: 5.272 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 83 Resp: 14990
Ion Ratio Lower Upper
83 100
85 62.3 51.1 76.7

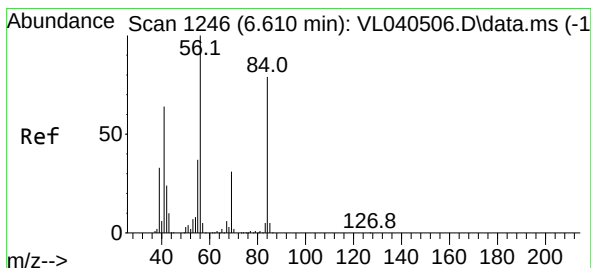
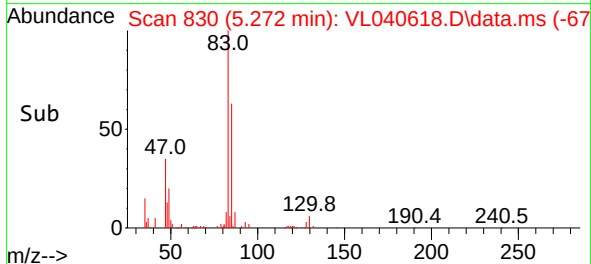
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Reviewed By :Semsettin
Yesilyurt



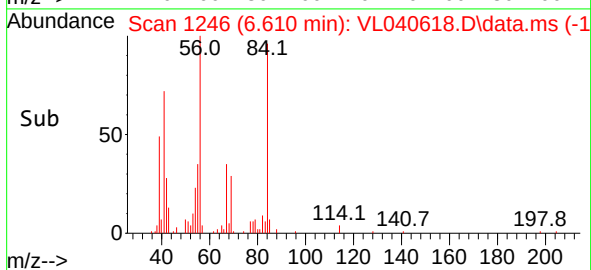
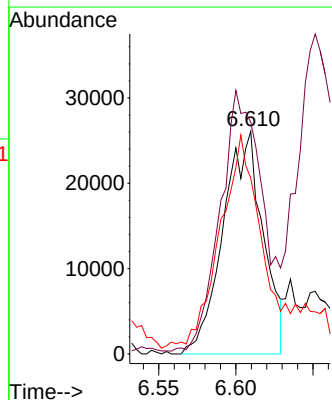
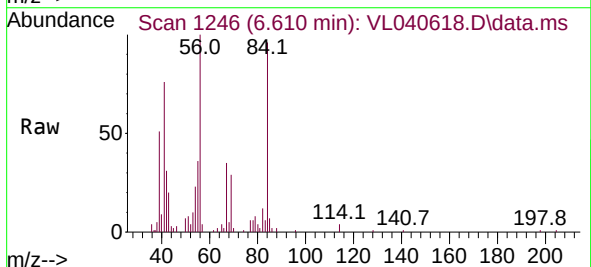
08/10/2023
Supervised By :Mahesh
Dadoda

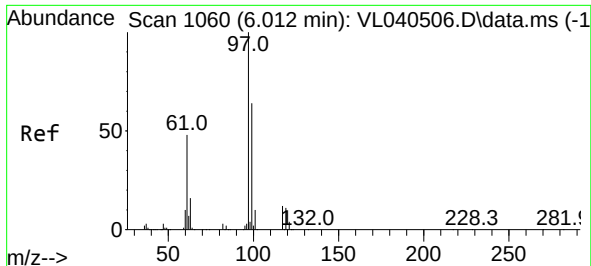
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#30
Cyclohexane
Concen: 0.574 ppbv m
RT: 6.610 min Scan# 1246
Delta R.T. -0.000 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

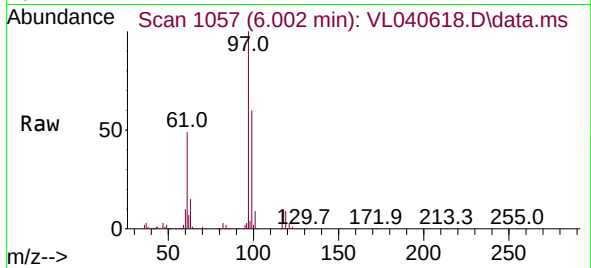
Tgt Ion: 84 Resp: 47081
Ion Ratio Lower Upper
84 100
56 122.9 108.7 163.1
41 122.8 64.5 96.7#





#32
1,1,1-Trichloroethane
Concen: 3.498 ppbv
RT: 6.002 min Scan# 1060
Delta R.T. -0.010 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

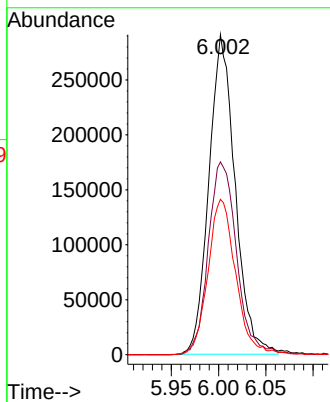
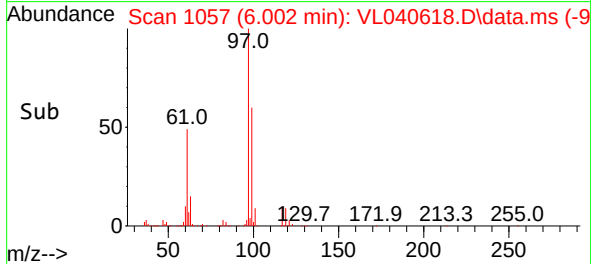
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 97 Resp: 559927
Ion Ratio Lower Upper
97 100
99 65.6 52.0 78.0
61 51.7 38.9 58.3

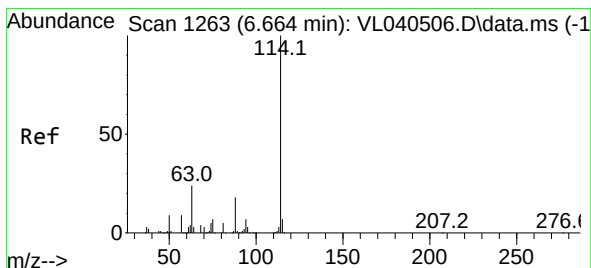
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Yesilyurt

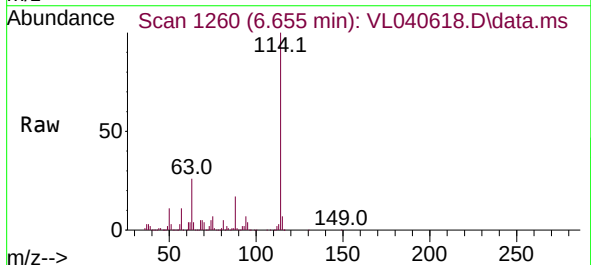


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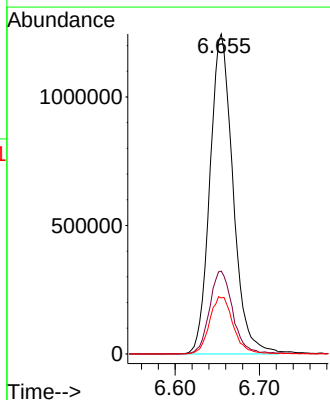
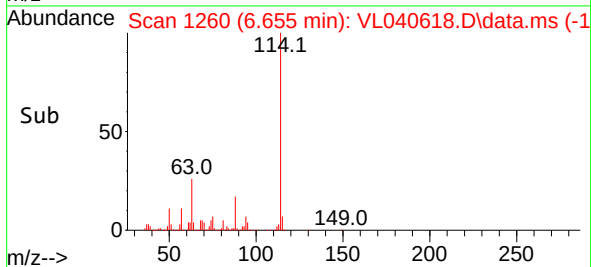
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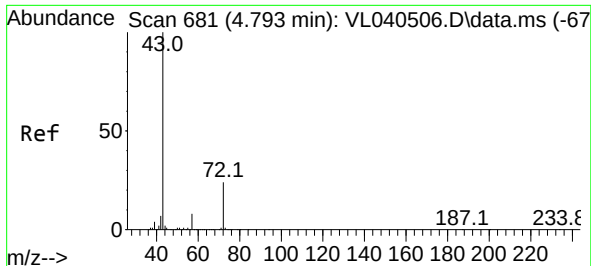


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.010 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22



Tgt Ion:114 Resp: 2367670
Ion Ratio Lower Upper
114 100
63 26.4 19.6 29.4
88 18.5 14.2 21.2





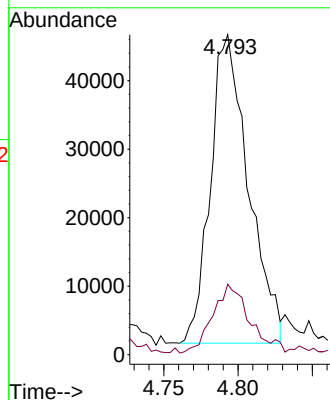
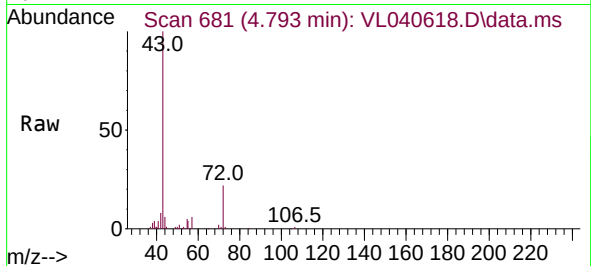
#34
2-Butanone
Concen: 0.685 ppbv
RT: 4.793 min Scan# 681
Delta R.T. -0.000 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 80098
Ion Ratio Lower Upper
43 100
72 24.7 19.1 28.7

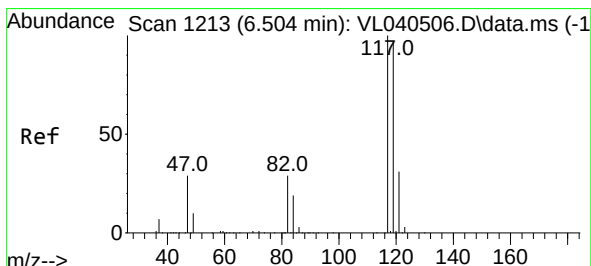
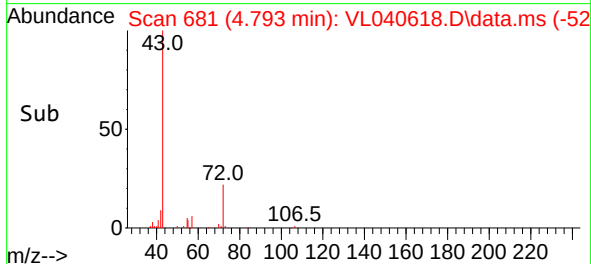
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Yesilyurt



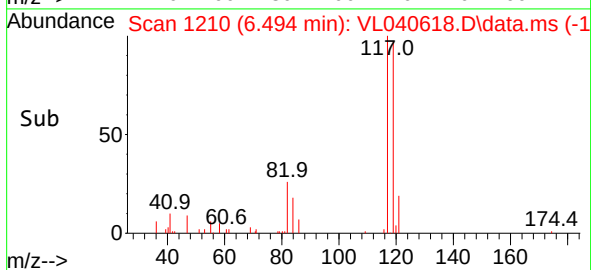
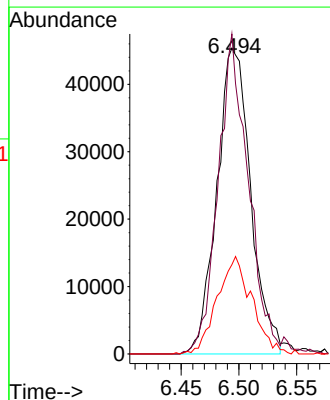
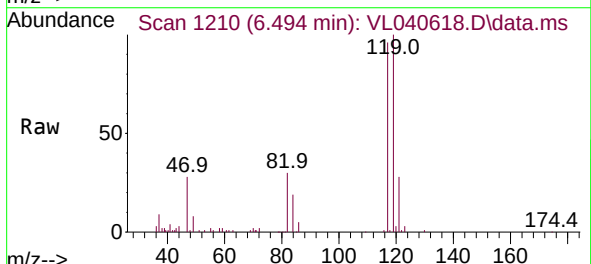
08/10/2023
Supervised By :Mahesh
Dadoda

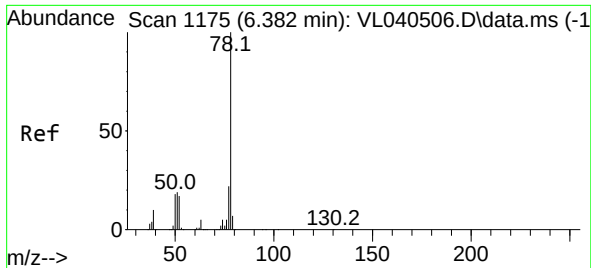
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#35
Carbon Tetrachloride
Concen: 0.649 ppbv
RT: 6.494 min Scan# 1210
Delta R.T. -0.010 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

Tgt Ion:117 Resp: 92444
Ion Ratio Lower Upper
117 100
119 104.7 77.8 116.6
121 29.2 24.8 37.2





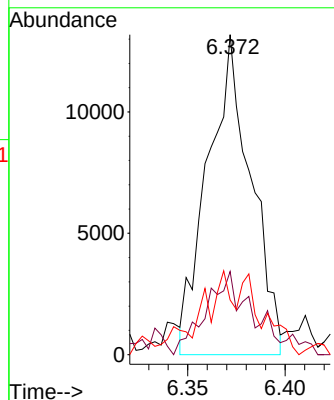
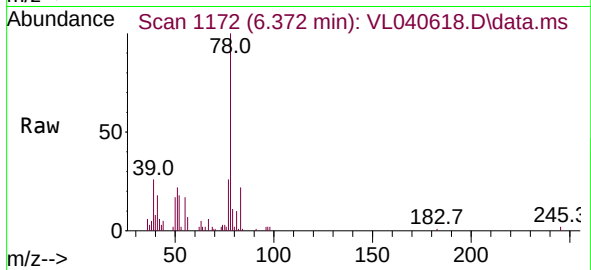
#36
Benzene
Concen: 0.106 ppbv
RT: 6.372 min Scan# 1175
Delta R.T. -0.010 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 78 Resp: 20279
Ion Ratio Lower Upper
78 100
77 23.7 17.4 26.0
50 10.1 14.4 21.6

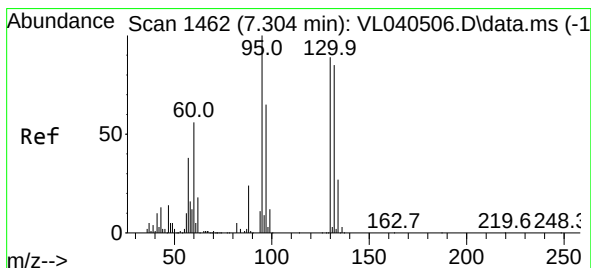
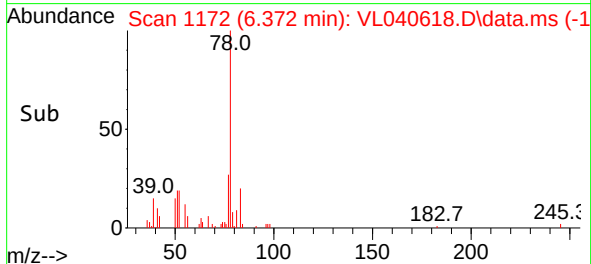
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Reviewed By :Semsettin
Yesilyurt



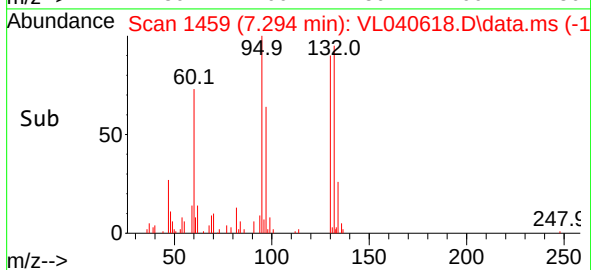
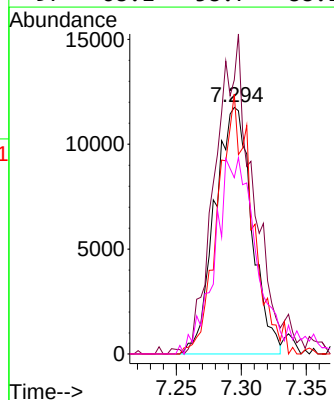
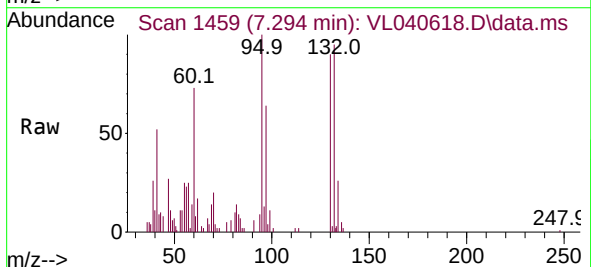
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Supervised By :Mahesh
Dadoda

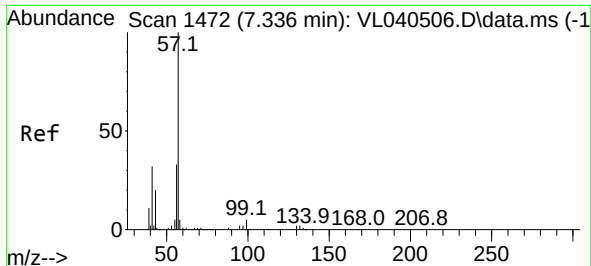
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#38
Trichloroethene
Concen: 0.324 ppbv
RT: 7.294 min Scan# 1459
Delta R.T. -0.010 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

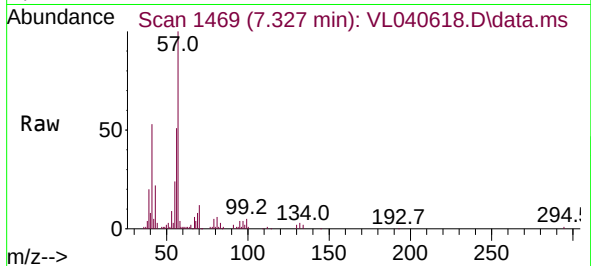
Tgt Ion:130 Resp: 23337
Ion Ratio Lower Upper
130 100
95 109.4 90.2 135.2
132 105.4 76.3 114.5
97 68.1 58.7 88.1





#44
2,2,4-Trimethylpentane
Concen: 0.331 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. -0.010 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

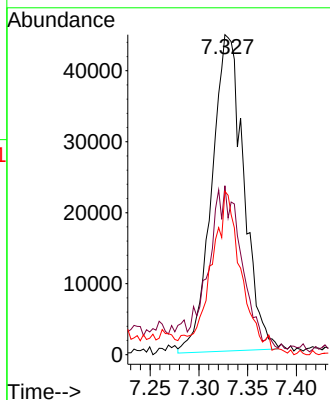
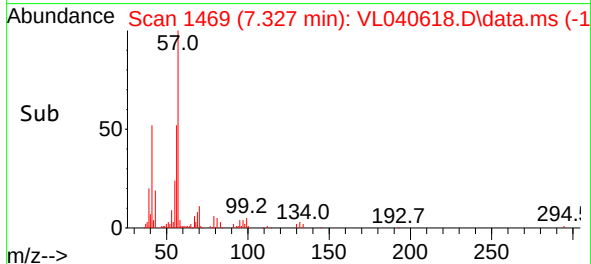
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 57 Resp: 101358
Ion Ratio Lower Upper
57 100
41 61.1 25.5 38.3
56 51.3 25.1 37.7

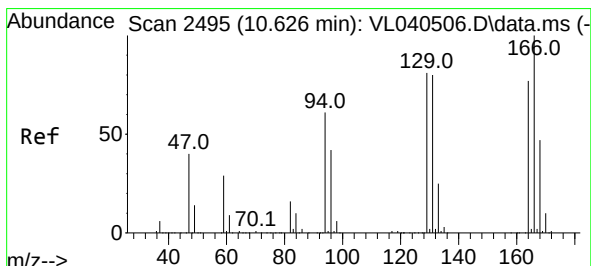
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Yesilyurt

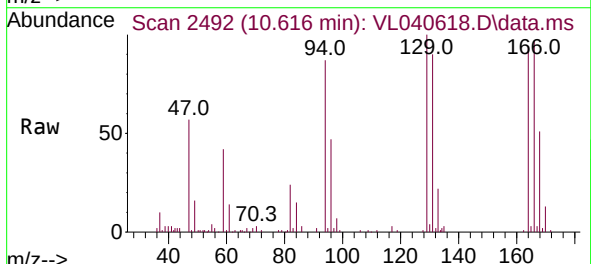


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Supervised By :Mahesh
Dadoda

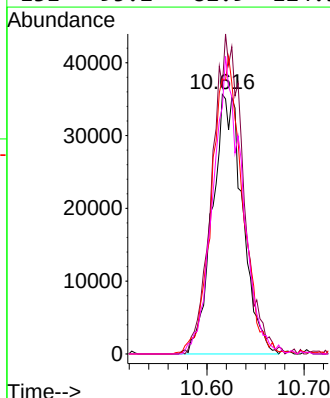
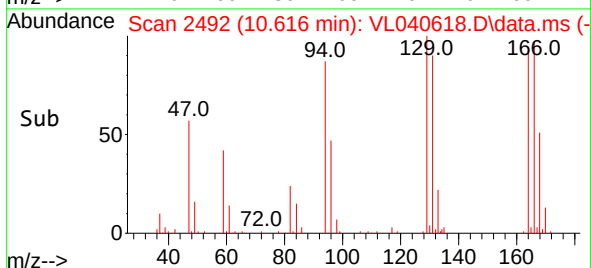
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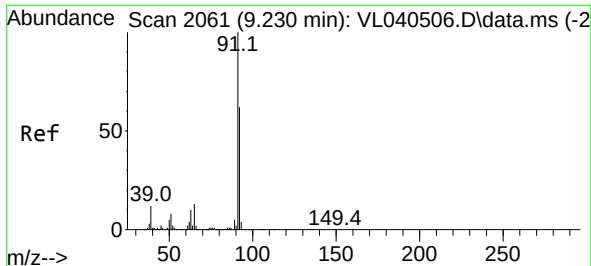


#52
Tetrachloroethene
Concen: 1.259 ppbv m
RT: 10.616 min Scan# 2492
Delta R.T. -0.010 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22



Tgt Ion:164 Resp: 77651
Ion Ratio Lower Upper
164 100
166 103.1 103.9 155.9#
129 105.9 84.6 126.8
131 95.2 82.9 124.3





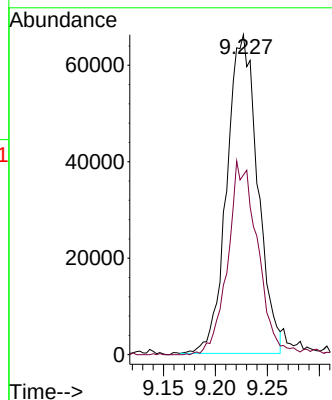
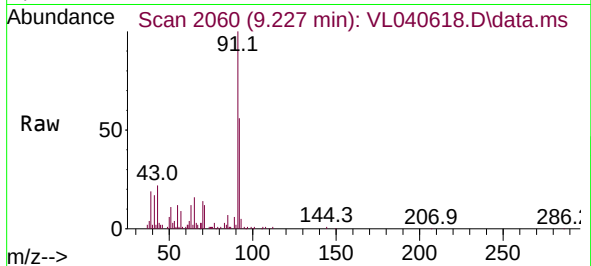
#53
Toluene
Concen: 0.660 ppbv
RT: 9.227 min Scan# 2061
Delta R.T. -0.003 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 13666
Ion Ratio Lower Upper
91 100
92 59.7 49.1 73.7

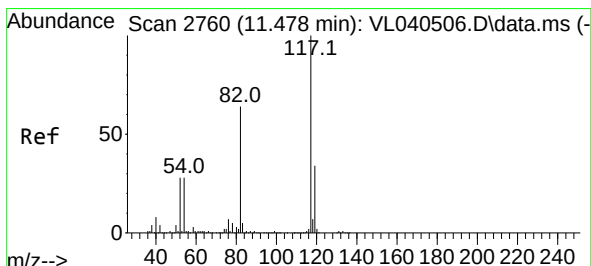
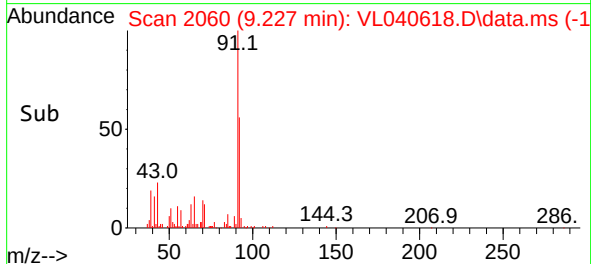
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Yesilyurt



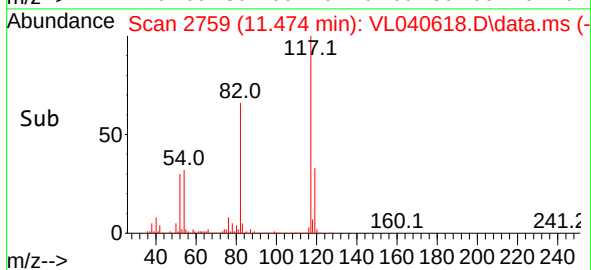
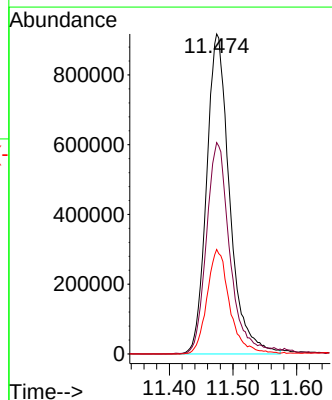
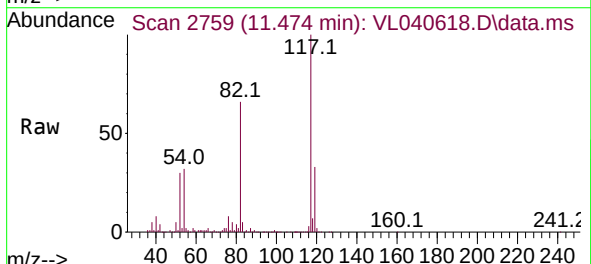
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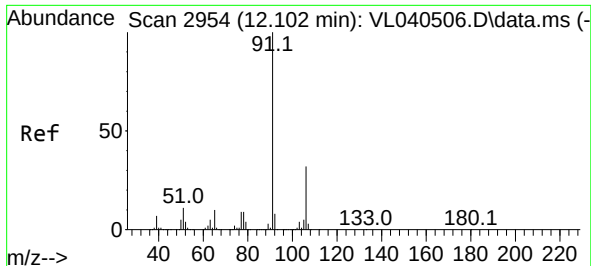
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 2759
Delta R.T. -0.003 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

Tgt Ion:117 Resp: 2307641
Ion Ratio Lower Upper
117 100
82 69.1 50.2 75.4
119 32.4 26.9 40.3





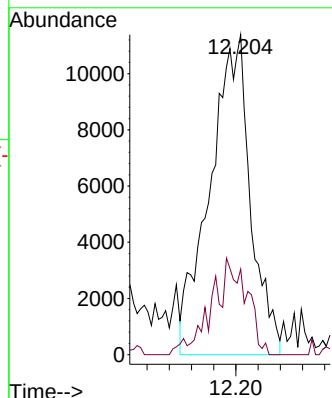
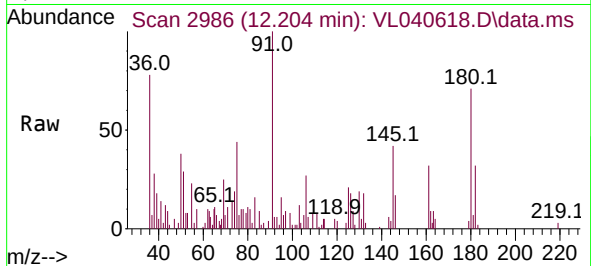
#58
Ethyl Benzene
Concen: 0.100 ppbv m
RT: 12.204 min Scan# 2954
Delta R.T. 0.103 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 28989
Ion Ratio Lower Upper
91 100
106 26.8 25.4 38.0

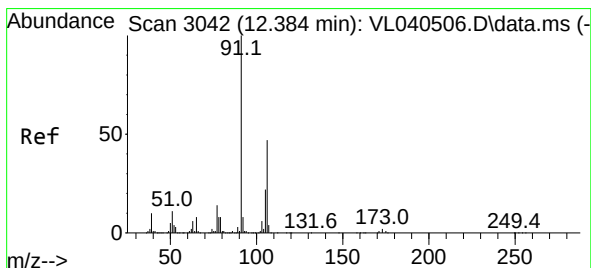
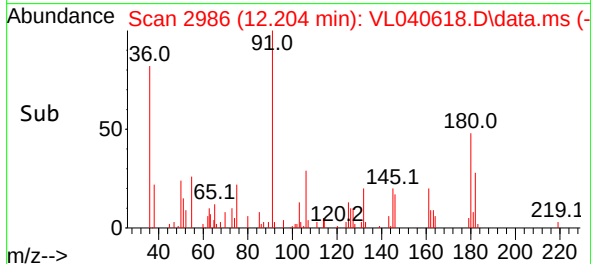
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Yesilyurt



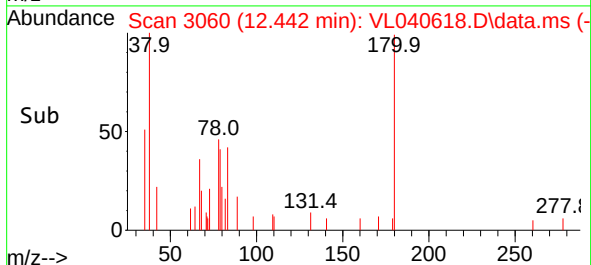
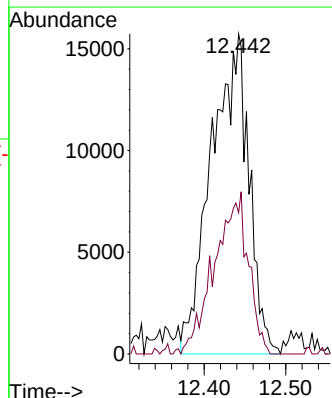
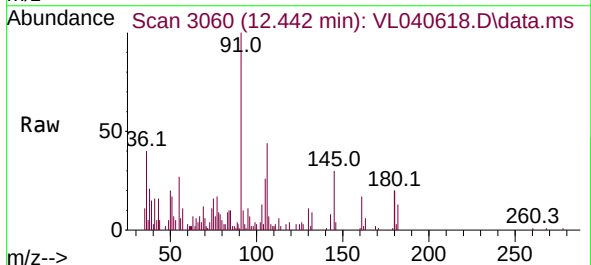
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Dadoda

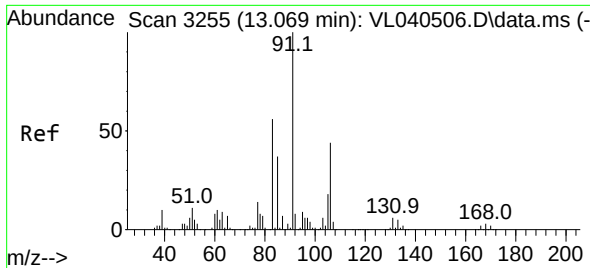
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#59
m/p-Xylene
Concen: 0.194 ppbv m
RT: 12.442 min Scan# 3060
Delta R.T. 0.058 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

Tgt Ion: 91 Resp: 50181
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9#





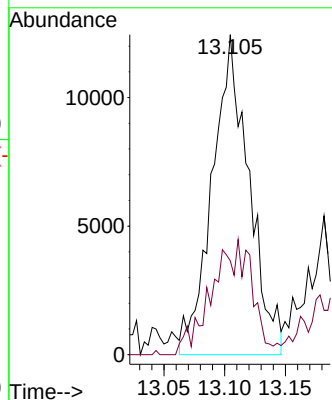
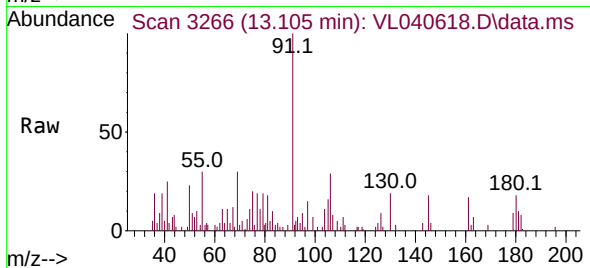
#60
o-Xylene
Concen: 0.106 ppbv m
RT: 13.105 min Scan# 31
Delta R.T. 0.035 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 2614
Ion Ratio Lower Upper
91 100
106 39.5 22.7 68.0

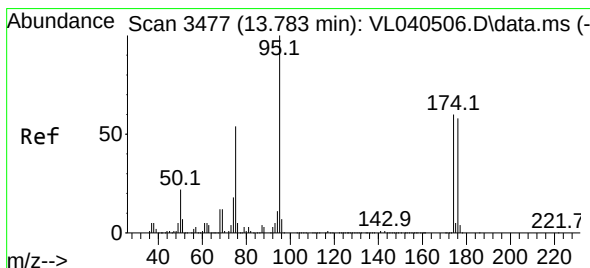
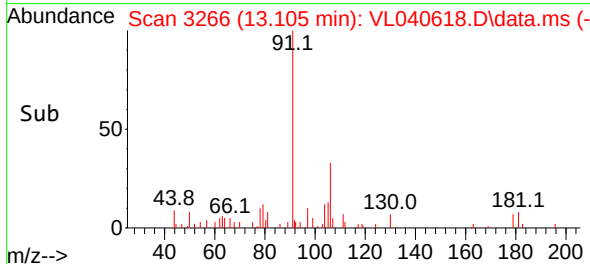
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Yesilyurt



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Supervised By :Mahesh
Dadoda

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.547 ppbv
RT: 13.812 min Scan# 3486
Delta R.T. 0.029 min
Lab File: VL040618.D
Acq: 9 Aug 2023 23:22

Tgt Ion: 95 Resp: 1926321
Ion Ratio Lower Upper
95 100
174 60.5 50.6 75.8
175 4.4 3.7 5.5

