

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080423\
 Data File : VL040588.D
 Acq On : 4 Aug 2023 11:23
 Operator : SY/MD
 Sample : 03858-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1ADUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin
 Yesilyurt
 08/07/2023
 Supervised By :Mahesh
 Dadoda
 08/07/2023

Quant Time: Aug 05 01:07:49 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 4 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							
1) Bromochloromethane	5.185	49	1157757	10.000	ppbv	-0.02	
33) 1,4-Difluorobenzene	6.648	114	2978668	10.000	ppbv	-0.02	
55) Chlorobenzene-d5	11.468	117	2551626	10.000	ppbv	0.00	
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.777	95	1995399	9.881	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%	
Target Compounds							
						Qvalue	
2) Dichlorodifluoromethane	2.723	85	63942	0.276	ppbv		99
3) Chlorodifluoromethane	2.665	51	48066m	0.262	ppbv		
4) Chloromethane	2.806	50	40537	0.558	ppbv		95
9) Propene	2.697	41	79957m	1.273	ppbv		
10) Heptane	7.571	43	26713m	0.193	ppbv		
11) Trichlorofluoromethane	3.555	101	42667	0.228	ppbv #		83
13) Ethanol	3.237	45	151541	11.087	ppbv		99
15) Acetone	3.465	43	715853	5.372	ppbv		95
20) Methylene Chloride	3.928	84	2380528	41.994	ppbv		97
26) Hexane	5.208	57	2612945	22.169	ppbv #		40
34) 2-Butanone	4.793	43	128247	0.871	ppbv		96
35) Carbon Tetrachloride	6.494	117	13846m	0.077	ppbv		
36) Benzene	6.365	78	38047m	0.159	ppbv		
52) Tetrachloroethene	10.616	164	34581	0.446	ppbv		93
53) Toluene	9.221	91	71917	0.276	ppbv		96
58) Ethyl Benzene	12.086	91	27363m	0.085	ppbv		
59) m/p-Xylene	12.346	91	108696m	0.380	ppbv		
60) o-Xylene	13.057	91	79091m	0.290	ppbv		
64) n-propylbenzene	14.918	120	40507m	0.384	ppbv		
65) tert-Butylbenzene	16.105	119	177883	0.492	ppbv #		57
72) 4-Ethyltoluene	15.195	105	273195m	0.856	ppbv		
73) 1,3,5-Trimethylbenzene	15.349	105	392208	1.394	ppbv		91
74) 1,2,4-Trimethylbenzene	16.108	105	1621904	4.945	ppbv #		66
76) 1,4-Dichlorobenzene	16.474	146	1230959	6.313	ppbv		97
79) Naphthalene	21.387	128	247379m	0.891	ppbv		

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

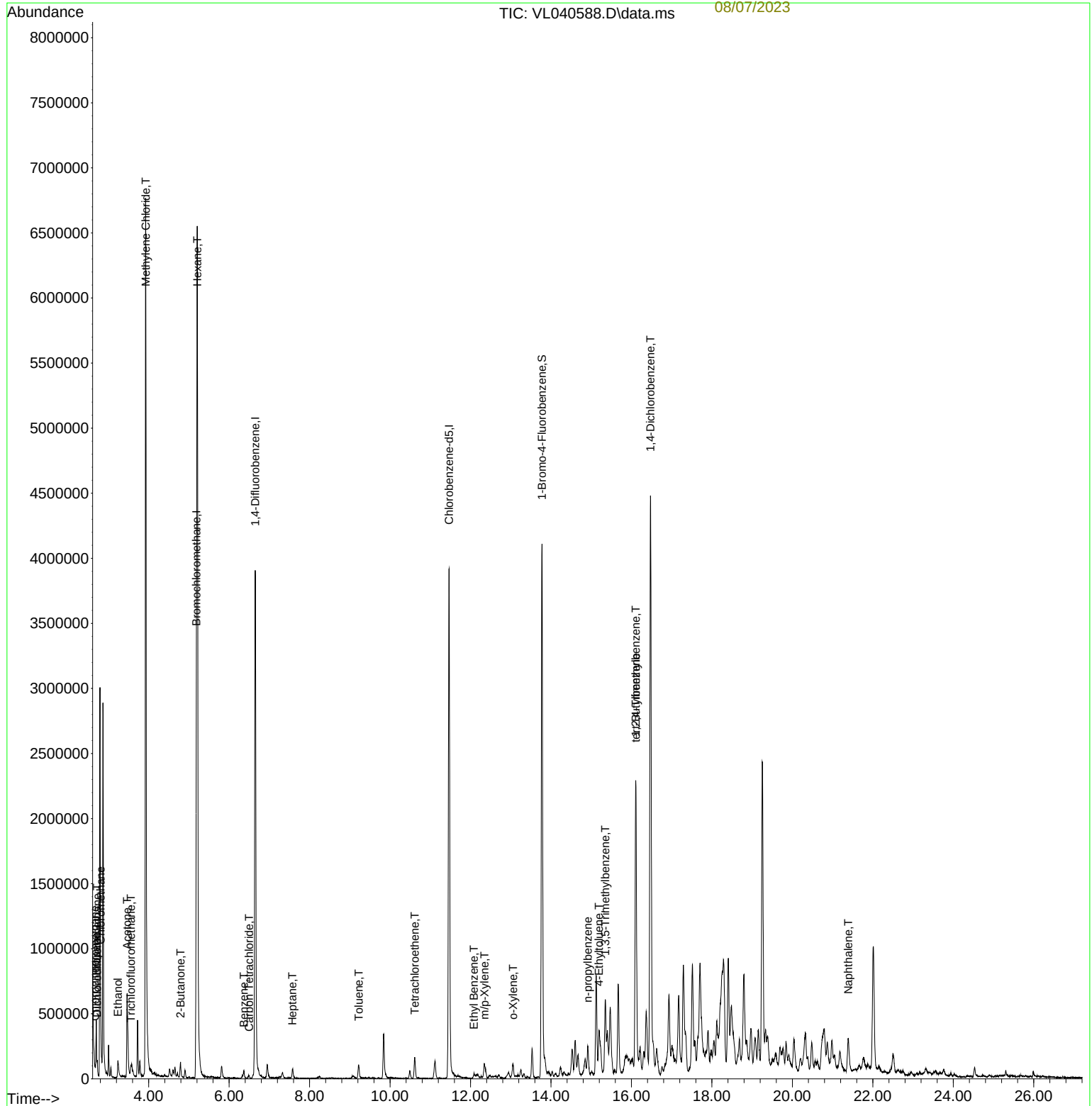
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080423\
Data File : VL040588.D
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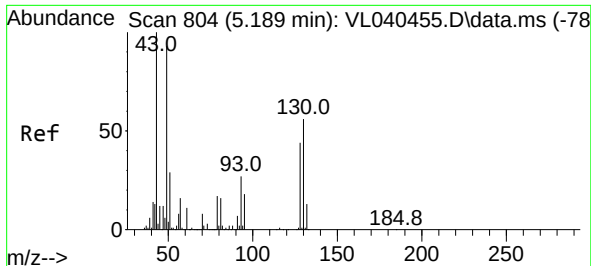
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

Quant Time: Aug 05 01:07:49 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

Manual Integrations
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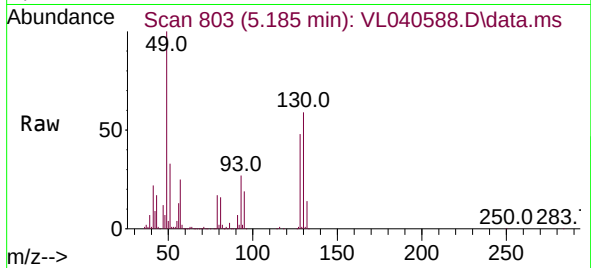
Reviewed By :Semsettin
Yesilyurt
08/07/2023
Supervised By :Mahesh
Dadoda
08/07/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.017 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

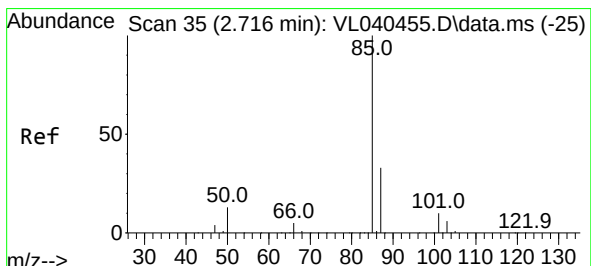
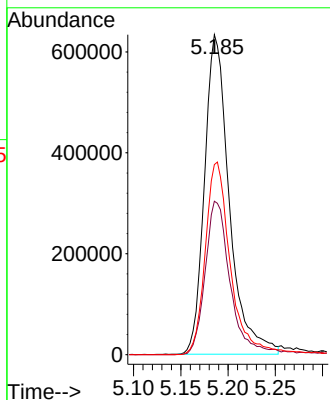
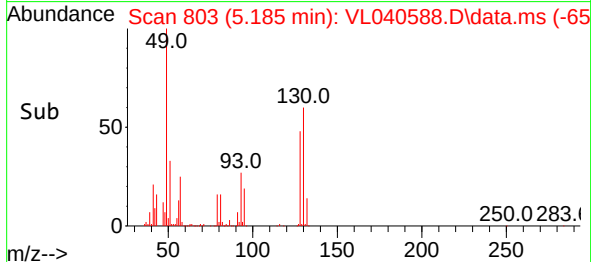
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP



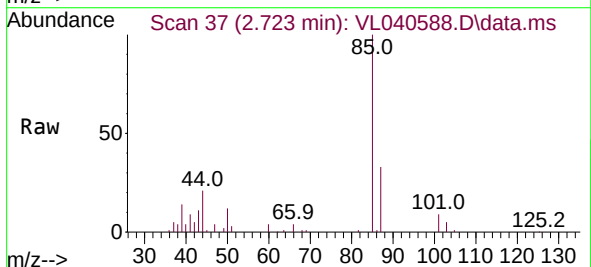
Tgt Ion: 49 Resp: 115775
Ion Ratio Lower Upper
49 100
128 50.0 25.1 75.4
130 62.3 31.6 94.7

Manual Integrations
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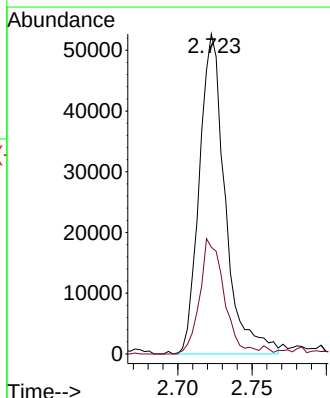
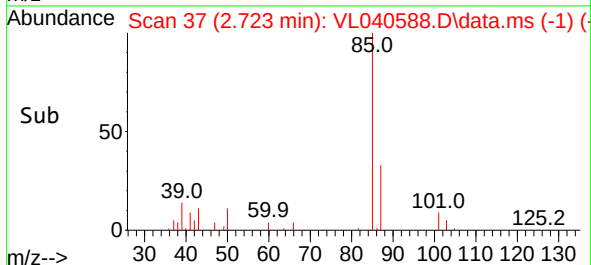
Reviewed By :Semsettin
Yesilyurt
08/07/2023
Supervised By :Mahesh
Dadoda
08/07/2023

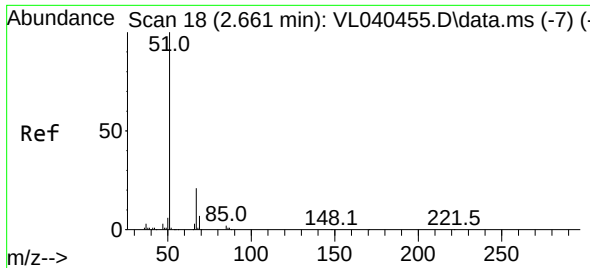


#2
Dichlorodifluoromethane
Concen: 0.276 ppbv
RT: 2.723 min Scan# 37
Delta R.T. -0.016 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23



Tgt Ion: 85 Resp: 63942
Ion Ratio Lower Upper
85 100
87 32.9 26.8 40.2





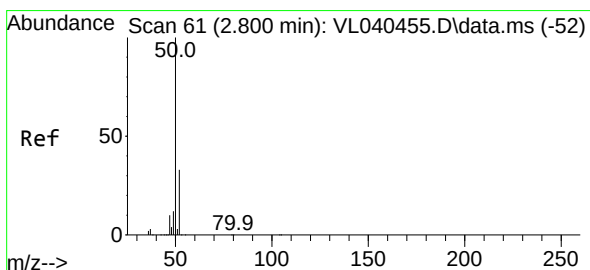
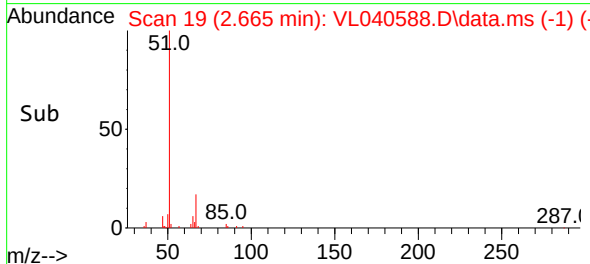
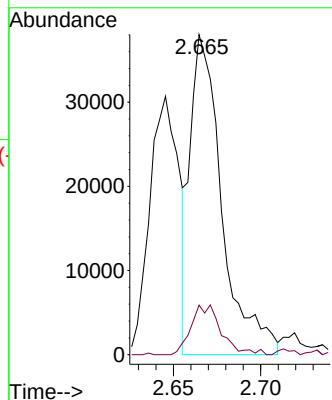
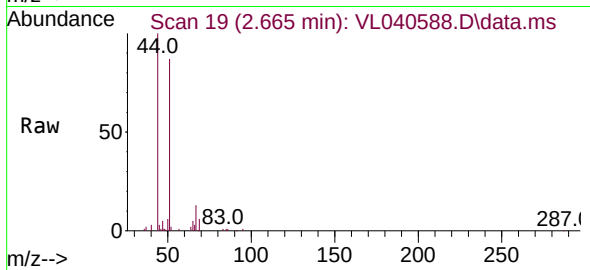
#3
Chlorodifluoromethane
Concen: 0.262 ppbv m
RT: 2.665 min Scan# 19
Delta R.T. -0.019 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

Tgt Ion: 51 Resp: 4806
Ion Ratio Lower Upper
51 100
67 14.9 14.6 21.8

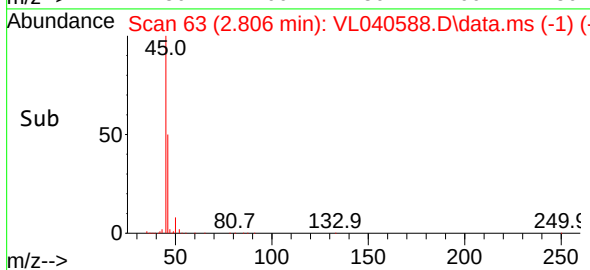
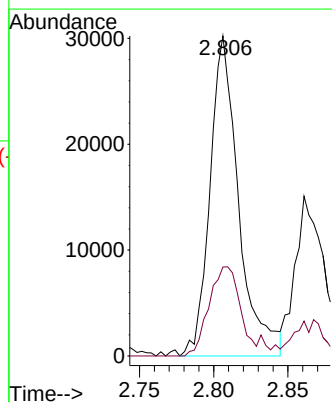
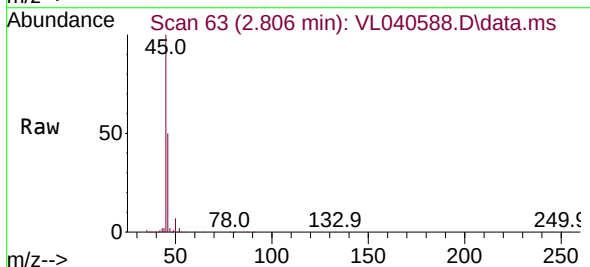
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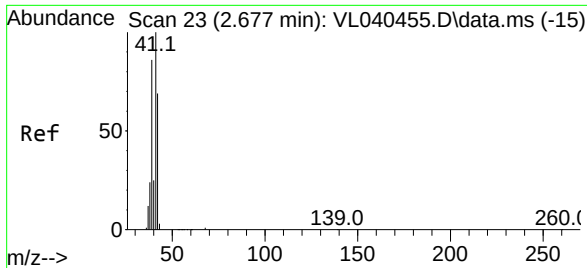
Reviewed By :Semsettin
Yesilyurt
08/07/2023
Supervised By :Mahesh
Dadoda
08/07/2023



#4
Chloromethane
Concen: 0.558 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.016 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

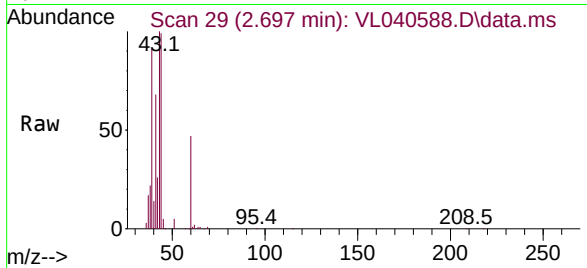
Tgt Ion: 50 Resp: 40537
Ion Ratio Lower Upper
50 100
52 28.0 24.4 36.6





#9
 Propene
 Concen: 1.273 ppbv m
 RT: 2.697 min Scan# 29
 Delta R.T. -0.006 min
 Lab File: VL040588.D
 Acq: 4 Aug 2023 11:23

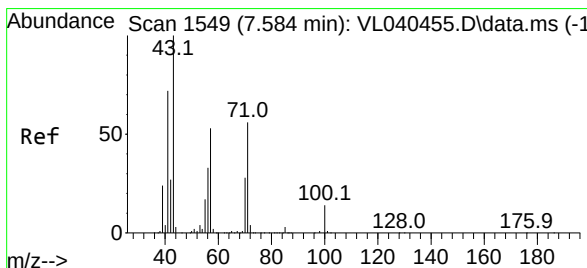
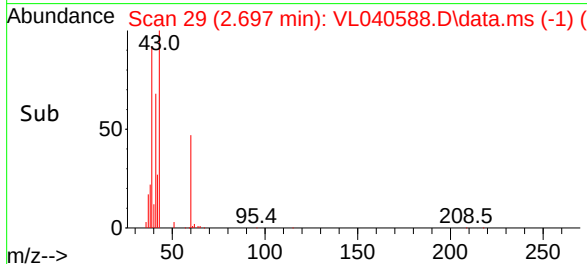
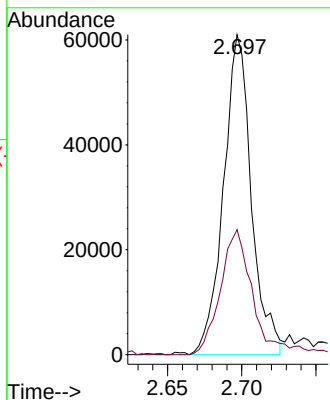
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1ADUP



Tgt Ion: 41 Resp: 7995
 Ion Ratio Lower Upper
 41 100
 42 644.9 55.0 82.6

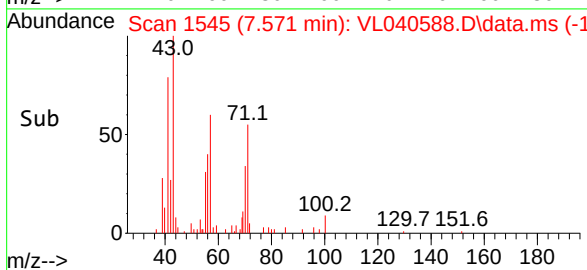
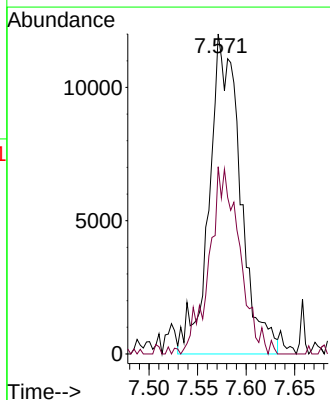
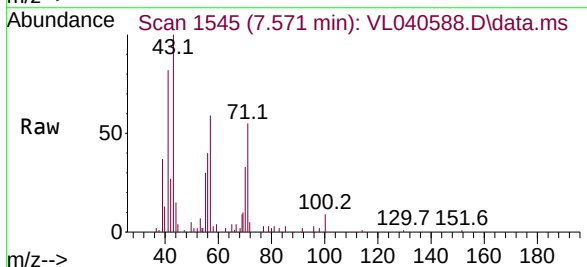
Manual Integrations
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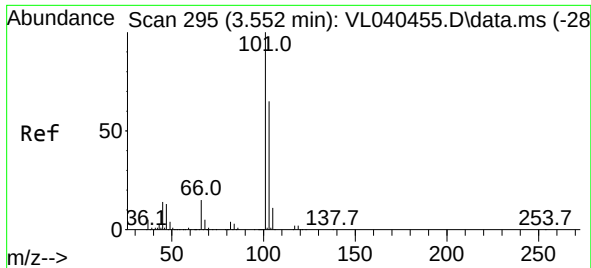
Reviewed By :Semsettin
 Yesilyurt
 08/07/2023
 Supervised By :Mahesh
 Dadoda
 08/07/2023



#10
 Heptane
 Concen: 0.193 ppbv m
 RT: 7.571 min Scan# 1545
 Delta R.T. -0.019 min
 Lab File: VL040588.D
 Acq: 4 Aug 2023 11:23

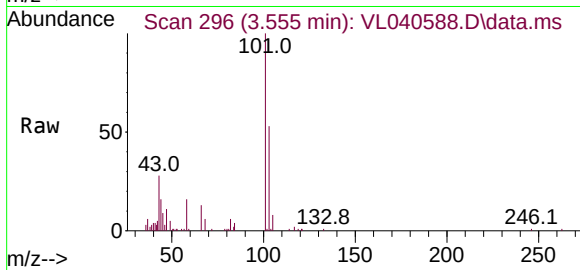
Tgt Ion: 43 Resp: 26713
 Ion Ratio Lower Upper
 43 100
 57 58.1 42.5 63.7





#11
Trichlorofluoromethane
Concen: 0.228 ppbv
RT: 3.555 min Scan# 295
Delta R.T. -0.016 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

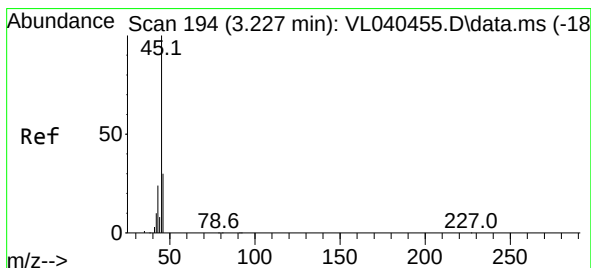
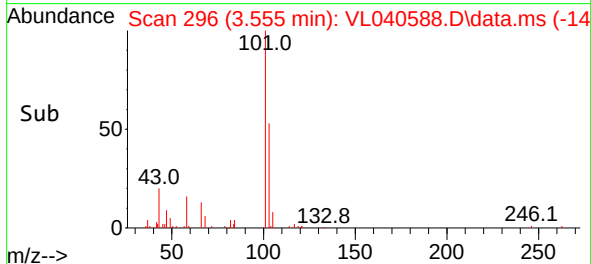
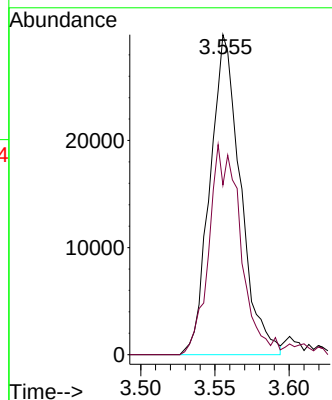
Instrument : MSVOA_L
ClientSampleId : IA1ADUP



Tgt Ion:101 Resp: 4266
Ion Ratio Lower Upper
101 100
103 53.0 53.4 80.0

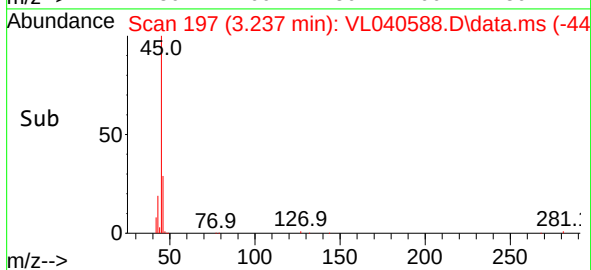
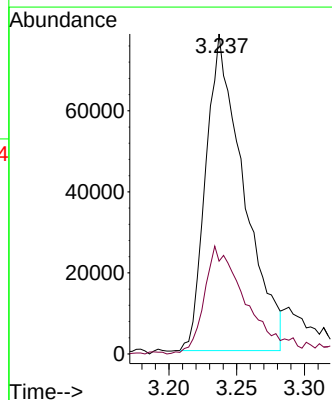
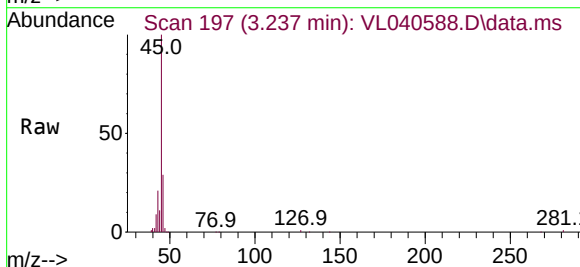
Manual Integrations
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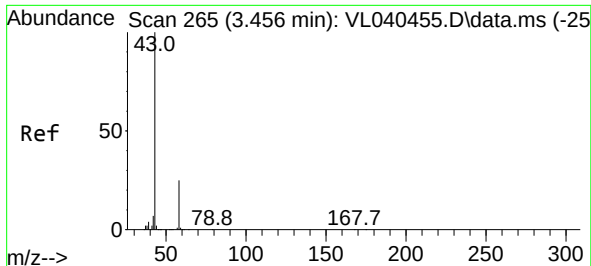
Reviewed By :Semsettin
Yesilyurt
08/07/2023
Supervised By :Mahesh
Dadoda
08/07/2023



#13
Ethanol
Concen: 11.087 ppbv
RT: 3.237 min Scan# 197
Delta R.T. -0.010 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

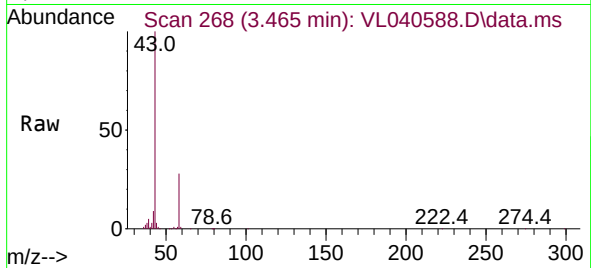
Tgt Ion: 45 Resp: 151541
Ion Ratio Lower Upper
45 100
46 38.9 15.3 61.1





#15
Acetone
Concen: 5.372 ppbv
RT: 3.465 min Scan# 20
Delta R.T. -0.010 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

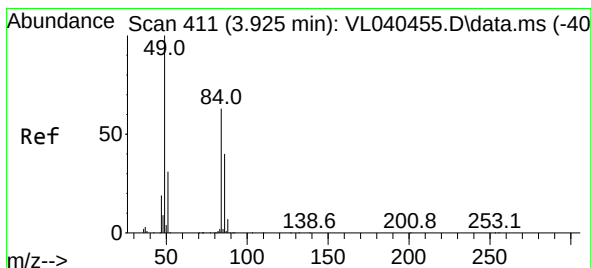
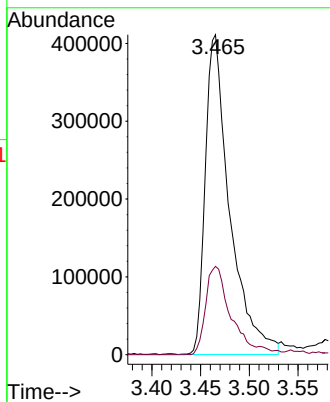
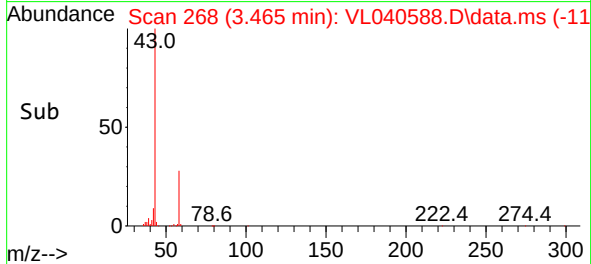
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP



Tgt Ion: 43 Resp: 71585
Ion Ratio Lower Upper
43 100
58 31.0 22.9 34.3

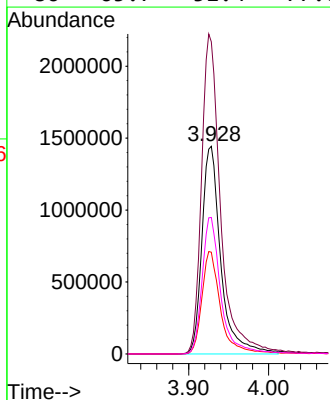
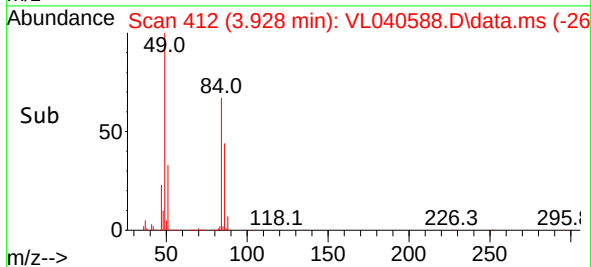
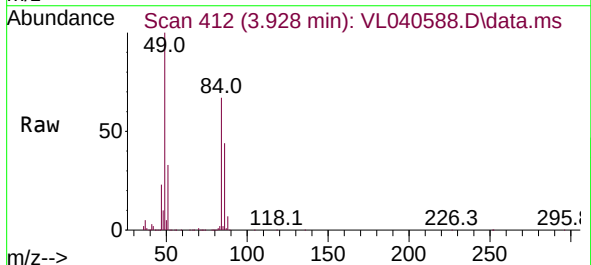
Manual Integrations
APPROVED

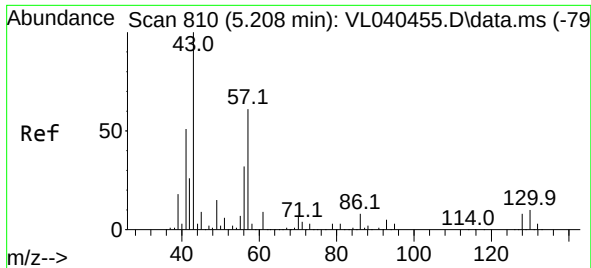
Reviewed By :Semsettin
Yesilyurt
08/07/2023
Supervised By :Mahesh
Dadoda
08/07/2023



#20
Methylene Chloride
Concen: 41.994 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.013 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

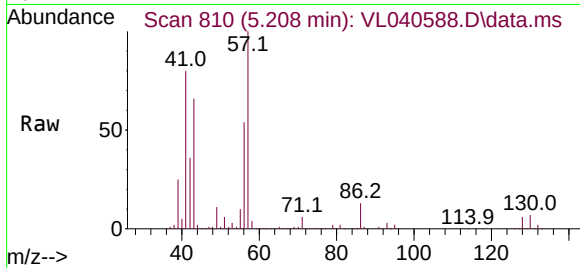
Tgt Ion: 84 Resp: 2380528
Ion Ratio Lower Upper
84 100
49 150.3 123.4 185.2
51 49.0 38.3 57.5
86 65.7 51.4 77.0





#26
Hexane
Concen: 22.169 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.013 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Instrument : MSVOA_L
Client SampleId : IA1ADUP



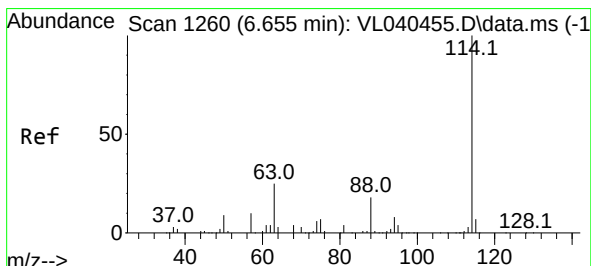
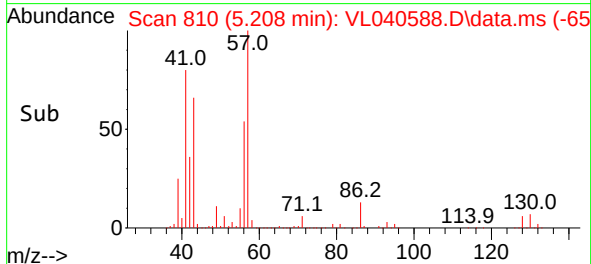
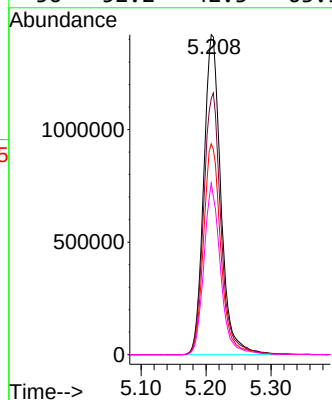
Tgt Ion: 57 Resp: 261294

Ion	Ratio	Lower	Upper
57	100		
41	83.9	69.5	104.3
43	66.8	177.1	265.7
56	52.2	42.3	63.5

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt
08/07/2023

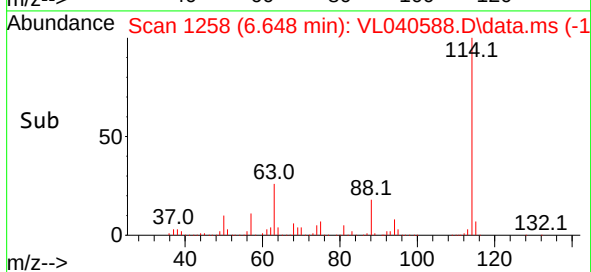
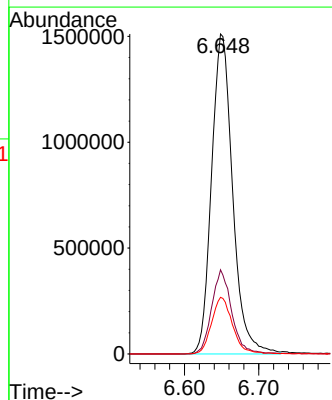
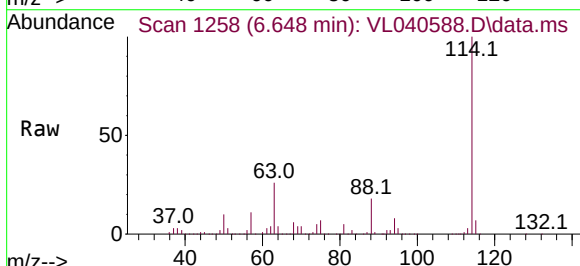
Supervised By :Mahesh
Dadoda
08/07/2023

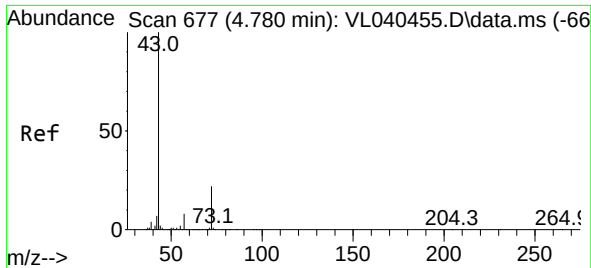


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. -0.016 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion:114 Resp: 2978668

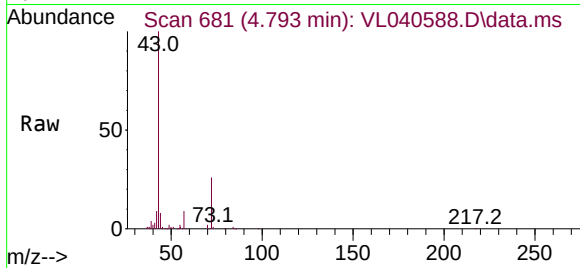
Ion	Ratio	Lower	Upper
114	100		
63	25.3	19.6	29.4
88	17.8	14.2	21.2





#34
2-Butanone
Concen: 0.871 ppbv
RT: 4.793 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

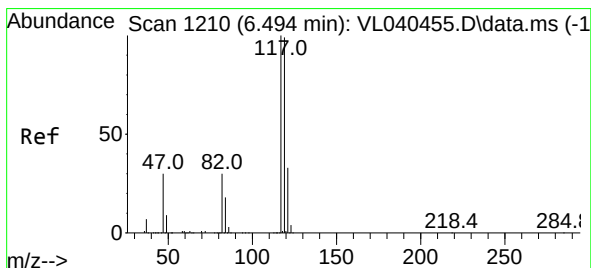
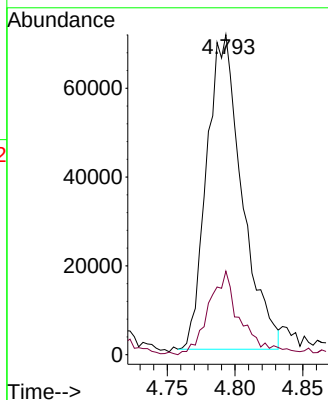
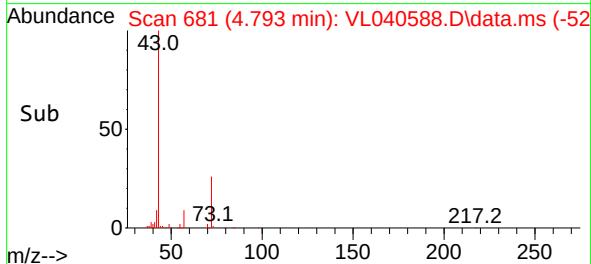
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP



Tgt Ion: 43 Resp: 12824
Ion Ratio Lower Upper
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72 25.7 19.1 28.7

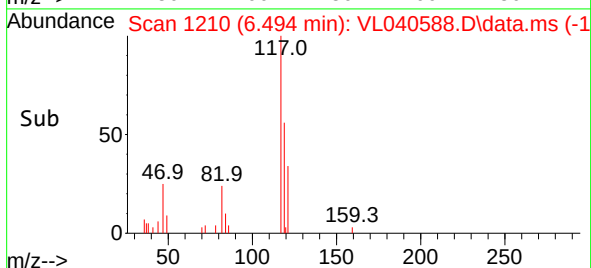
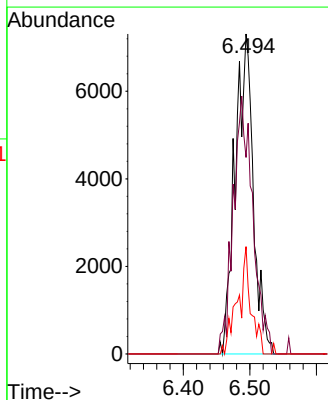
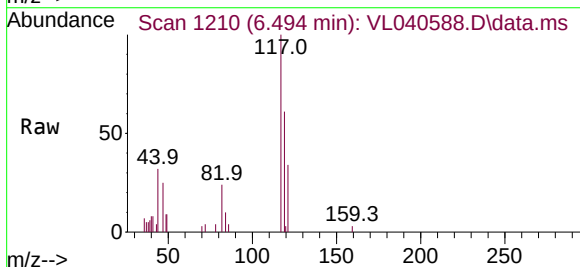
Manual Integrations
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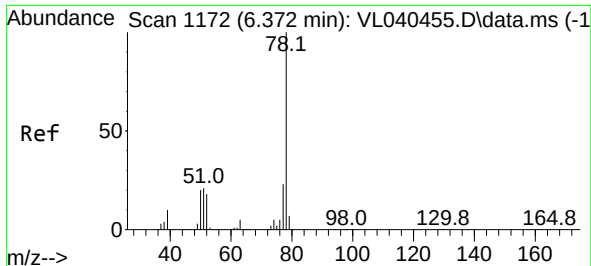
Reviewed By :Semsettin
Yesilyurt
08/07/2023
Supervised By :Mahesh
Dadoda
08/07/2023



#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 6.494 min Scan# 1210
Delta R.T. -0.010 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion:117 Resp: 13846
Ion Ratio Lower Upper
117 100
119 61.4 77.8 116.6#
121 33.5 24.8 37.2





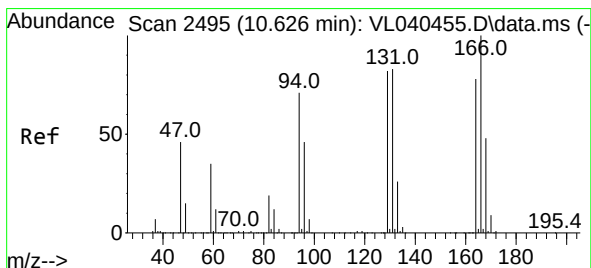
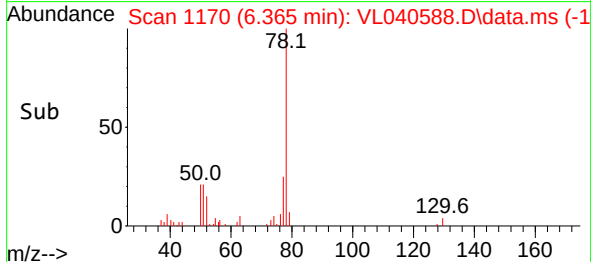
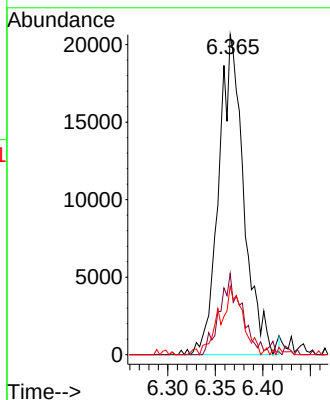
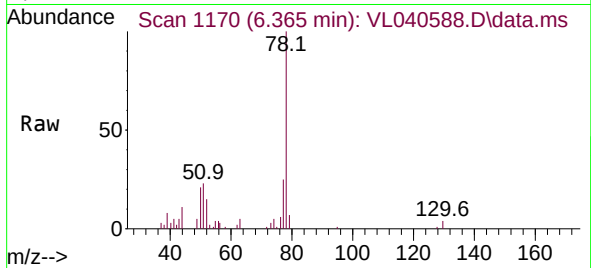
#36
Benzene
Concen: 0.159 ppbv m
RT: 6.365 min Scan# 1172
Delta R.T. -0.016 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

Tgt Ion: 78	Resp: 3804
Ion Ratio	Lower Upper
78 100	
77 25.4	17.4 26.0
50 21.4	14.4 21.6

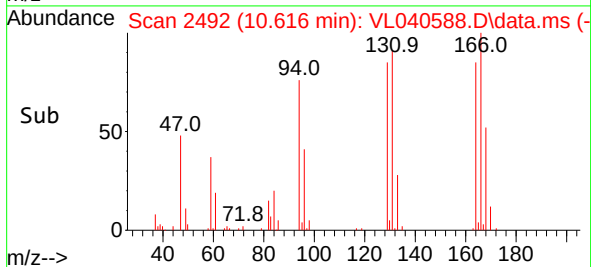
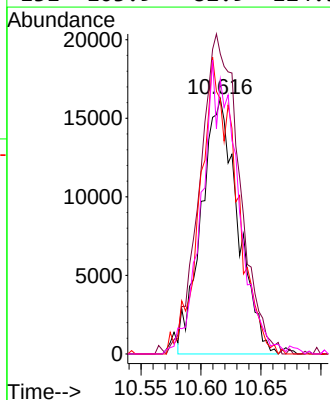
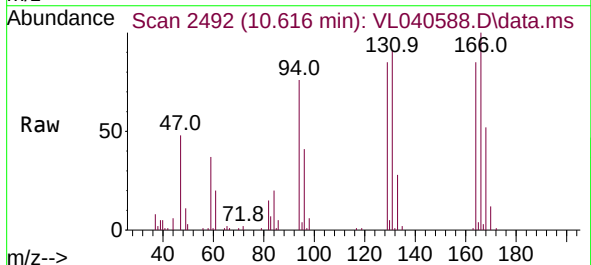
Manual Integrations
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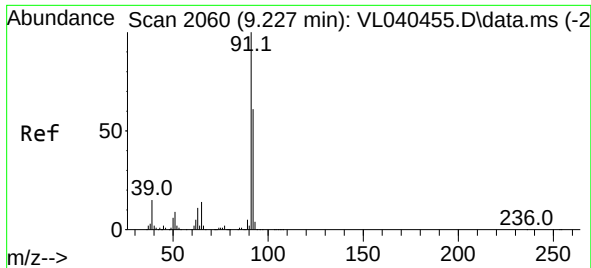
Reviewed By :Semsettin
Yesilyurt
08/07/2023
Supervised By :Mahesh
Dadoda
08/07/2023



#52
Tetrachloroethene
Concen: 0.446 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. -0.010 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

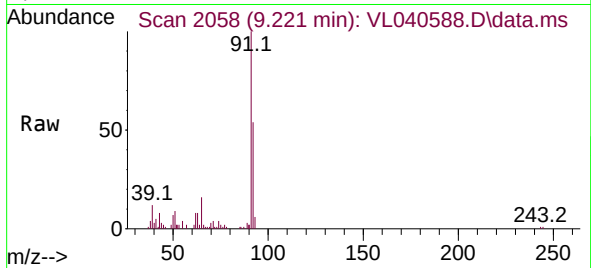
Tgt	Ion:164	Resp:	34581
Ion	Ratio	Lower	Upper
164	100		
166	113.1	103.9	155.9
129	99.9	84.6	126.8
131	103.9	82.9	124.3





#53
Toluene
Concen: 0.276 ppbv
RT: 9.221 min Scan# 2060
Delta R.T. -0.010 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

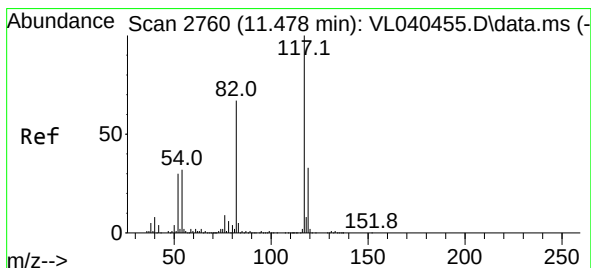
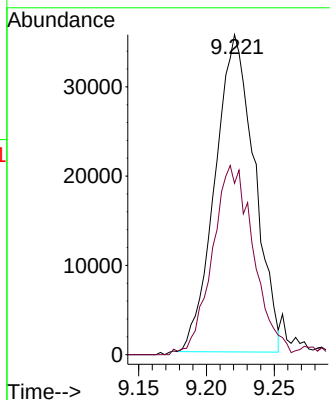
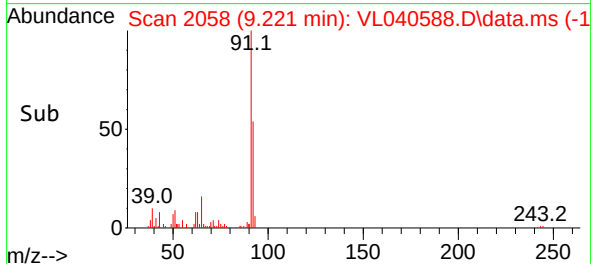
Instrument : MSVOA_L
ClientSampleId : IA1ADUP



Tgt Ion: 91 Resp: 7191
Ion Ratio Lower Upper
91 100
92 64.2 49.1 73.7

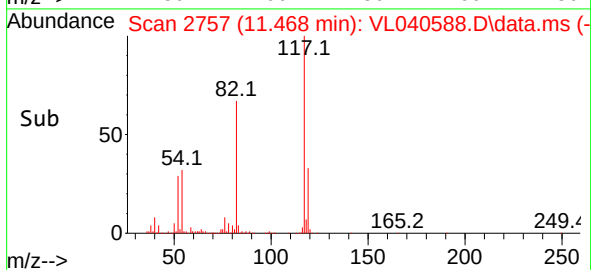
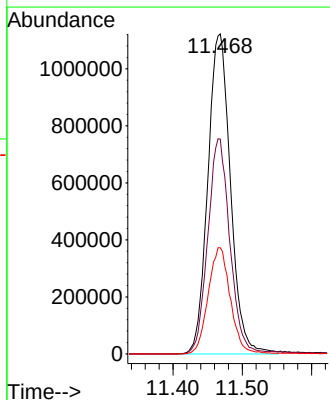
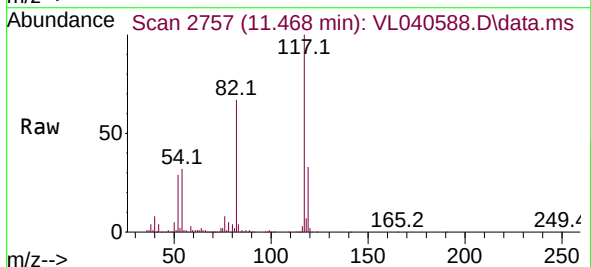
Manual Integrations
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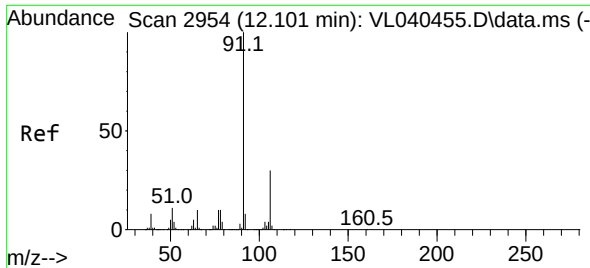
Reviewed By :Semsettin
Yesilyurt
08/07/2023
Supervised By :Mahesh
Dadoda
08/07/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. -0.010 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

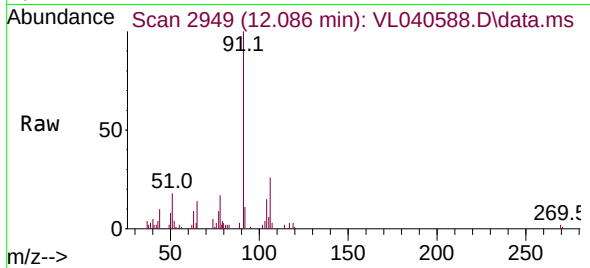
Tgt Ion:117 Resp: 2551626
Ion Ratio Lower Upper
117 100
82 66.5 50.2 75.4
119 32.6 26.9 40.3





#58
Ethyl Benzene
Concen: 0.085 ppbv m
RT: 12.086 min Scan# 2954
Delta R.T. -0.016 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

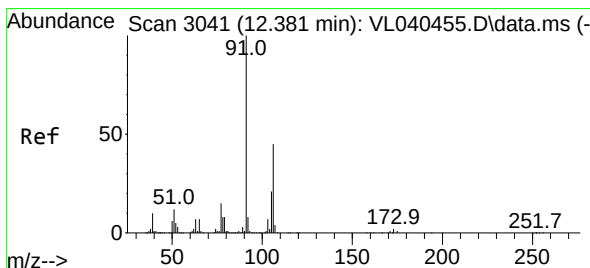
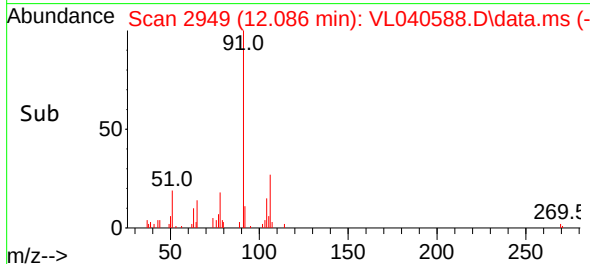
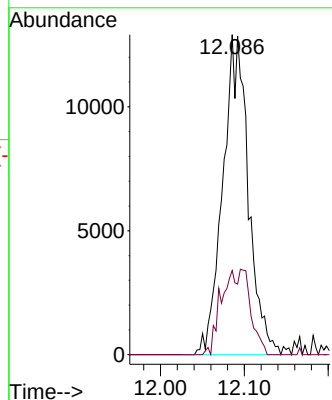
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP



Tgt Ion: 91 Resp: 2736
Ion Ratio Lower Upper
91 100
106 26.3 25.4 38.0

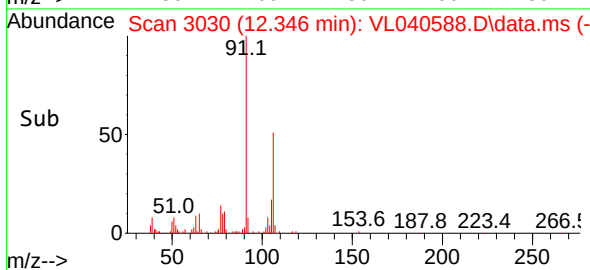
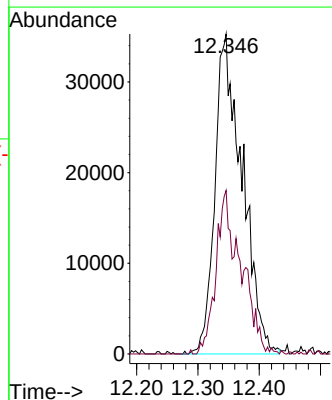
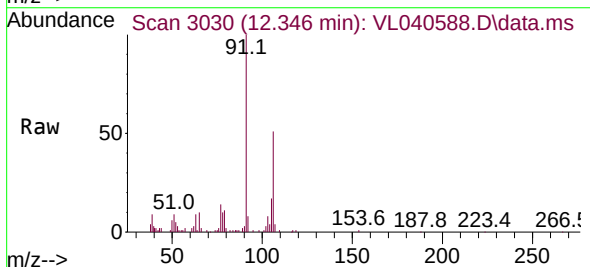
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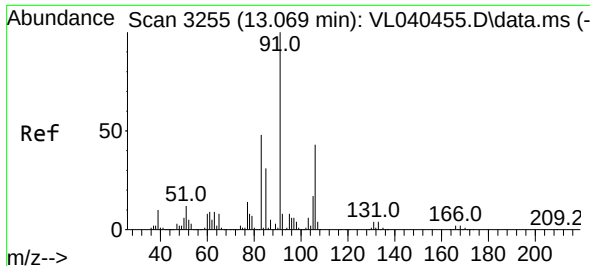
Reviewed By :Semsettin
Yesilyurt
08/07/2023
Supervised By :Mahesh
Dadoda
08/07/2023



#59
m/p-Xylene
Concen: 0.380 ppbv m
RT: 12.346 min Scan# 3030
Delta R.T. -0.039 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion: 91 Resp: 108696
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9#





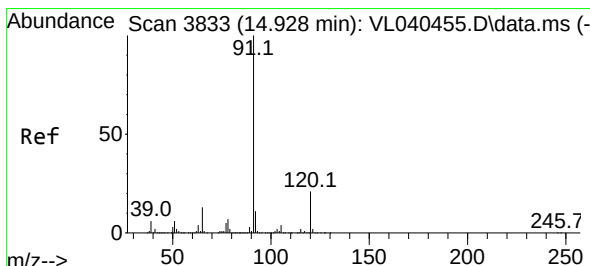
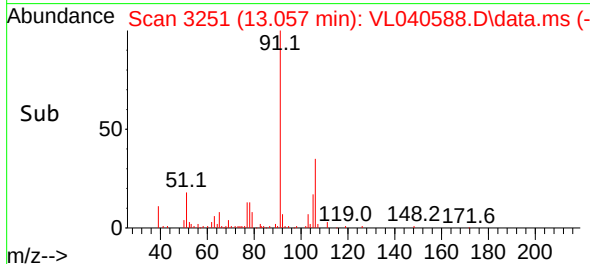
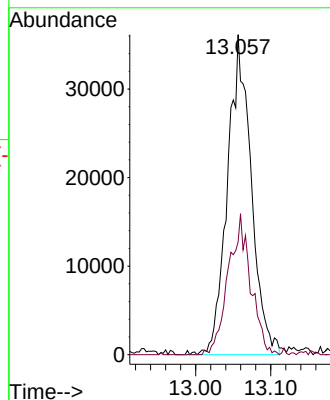
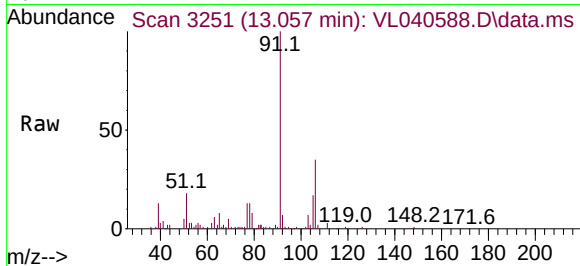
#60
o-Xylene
Concen: 0.290 ppbv m
RT: 13.057 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

Tgt Ion: 91 Resp: 7909
Ion Ratio Lower Upper
91 100
106 42.0 22.7 68.0

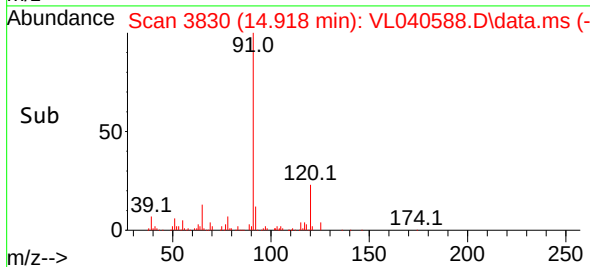
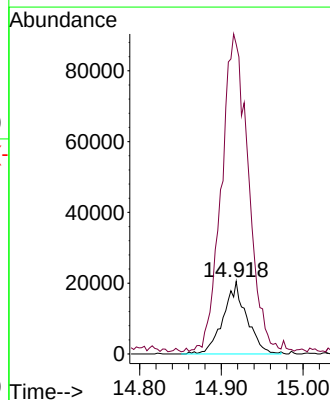
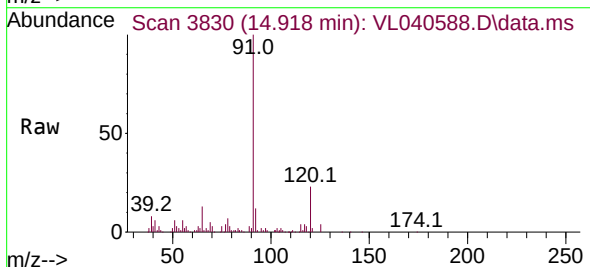
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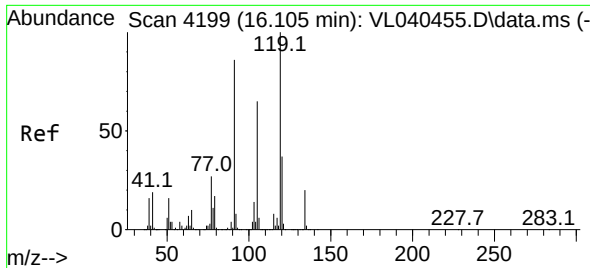
Reviewed By :Semsettin
Yesilyurt
08/07/2023
Supervised By :Mahesh
Dadoda
08/07/2023



#64
n-propylbenzene
Concen: 0.384 ppbv m
RT: 14.918 min Scan# 3830
Delta R.T. -0.013 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

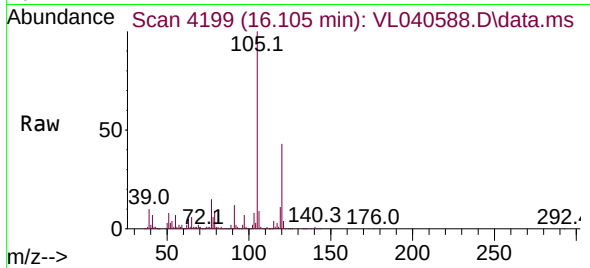
Tgt Ion:120 Resp: 40507
Ion Ratio Lower Upper
120 100
91 511.7 374.3 561.5





#65
tert-Butylbenzene
Concen: 0.492 ppbv
RT: 16.105 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

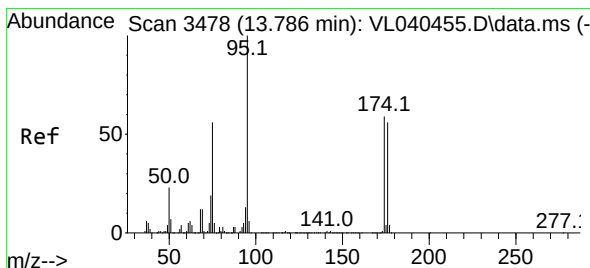
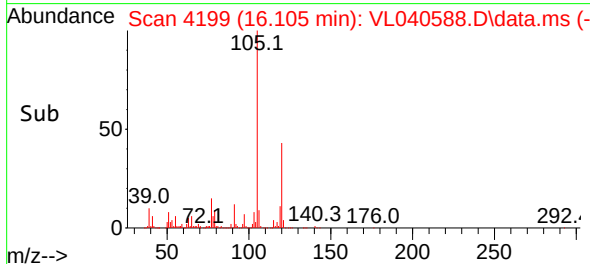
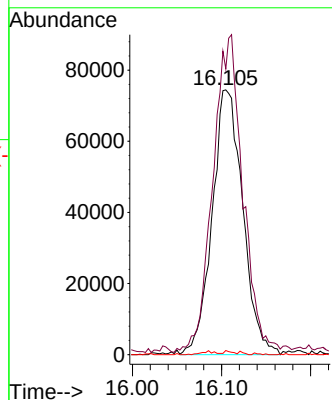
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP



Tgt Ion:119 Resp: 17788
Ion Ratio Lower Upper
119 100
91 121.7 66.1 99.1
134 0.7 15.7 23.5

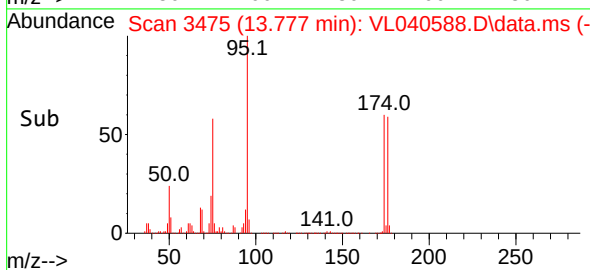
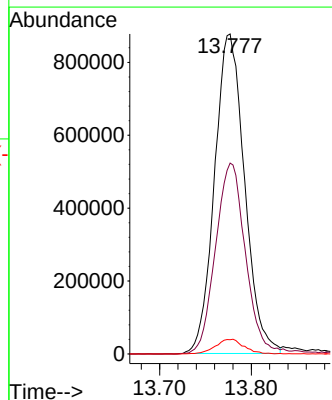
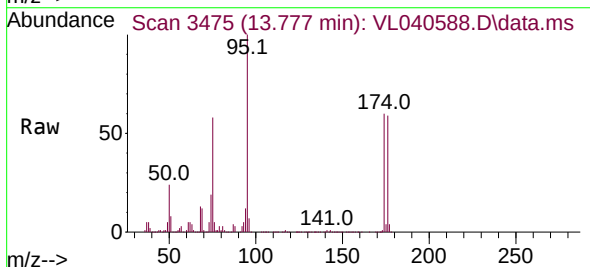
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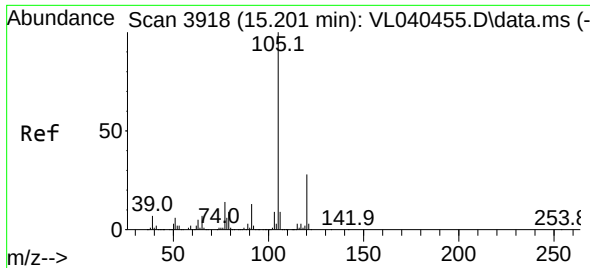
Reviewed By :Semsettin
Yesilyurt
08/07/2023
Supervised By :Mahesh
Dadoda
08/07/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.881 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.006 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion: 95 Resp: 1995399
Ion Ratio Lower Upper
95 100
174 61.3 50.6 75.8
175 4.5 3.7 5.5





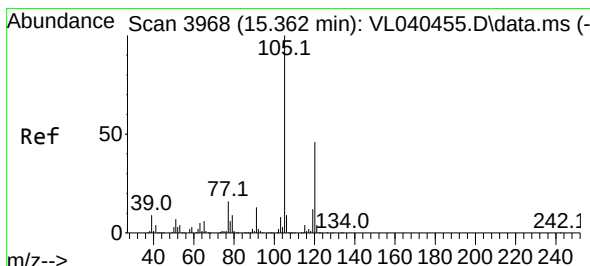
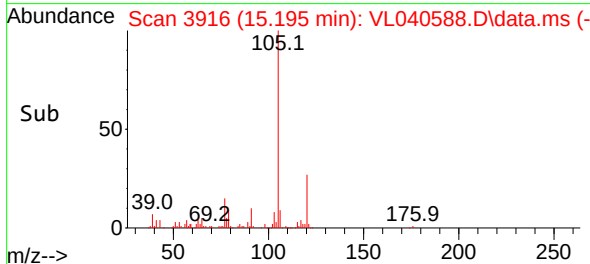
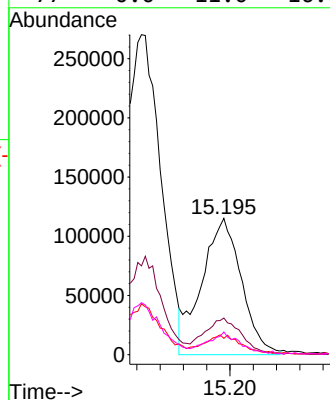
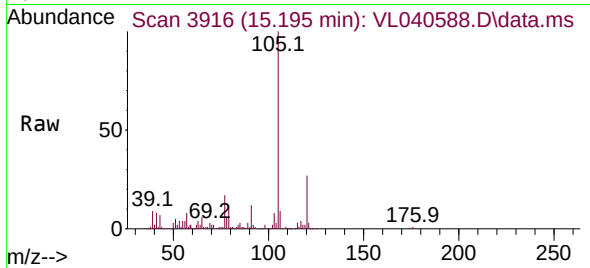
#72
4-Ethyltoluene
Concen: 0.856 ppbv m
RT: 15.195 min Scan# 3916
Delta R.T. -0.010 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

Tgt Ion:105 Resp: 27319
Ion Ratio Lower Upper
105 100
120 0.0 24.6 37.0
91 0.0 10.7 16.1
77 0.0 11.0 16.6

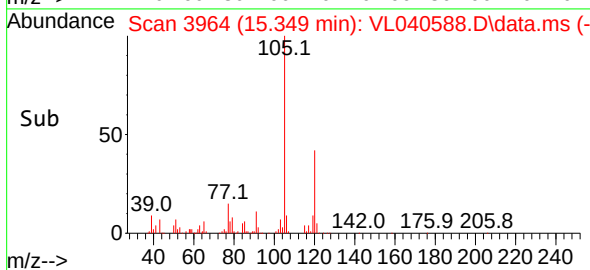
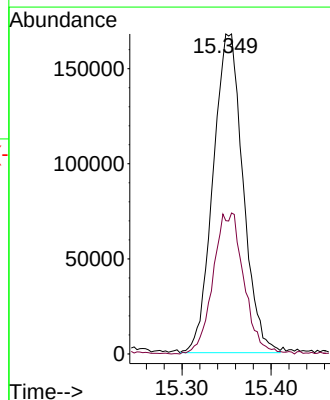
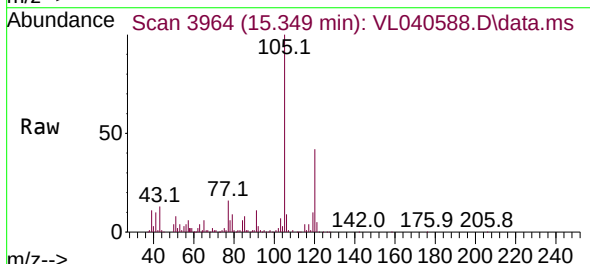
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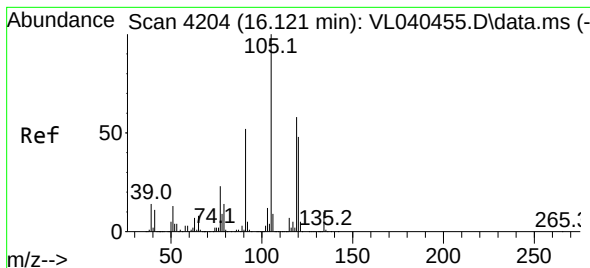
Reviewed By :Semsettin
Yesilyurt
08/07/2023
Supervised By :Mahesh
Dadoda
08/07/2023



#73
1,3,5-Trimethylbenzene
Concen: 1.394 ppbv
RT: 15.349 min Scan# 3964
Delta R.T. -0.013 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Tgt Ion:105 Resp: 392208
Ion Ratio Lower Upper
105 100
120 41.8 38.2 57.2





#74

1,2,4-Trimethylbenzene

Concen: 4.945 ppbv

RT: 16.108 min Scan# 4314

Delta R.T. -0.010 min

Lab File: VL040588.D

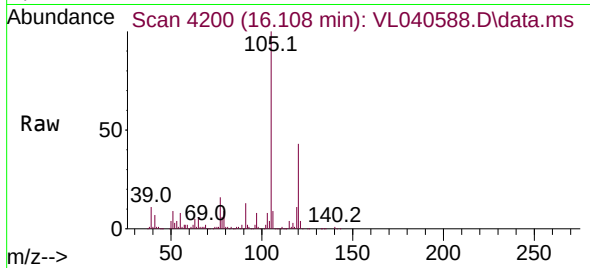
Acq: 4 Aug 2023 11:23

Instrument :

MSVOA_L

ClientSampleId :

IA1ADUP



Tgt Ion:105 Resp: 1621904

Ion Ratio Lower Upper

105 100

120 43.0 40.3 60.5

91 13.0 46.8 70.2

77 15.6 18.6 28.0

Manual Integrations

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Reviewed By :Semsettin

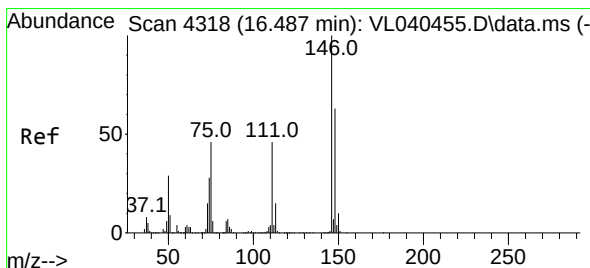
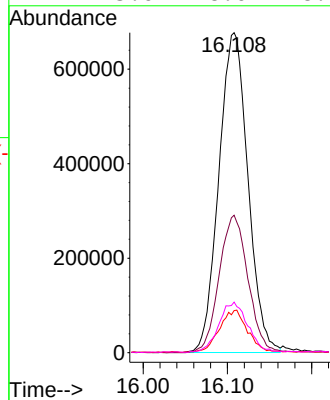
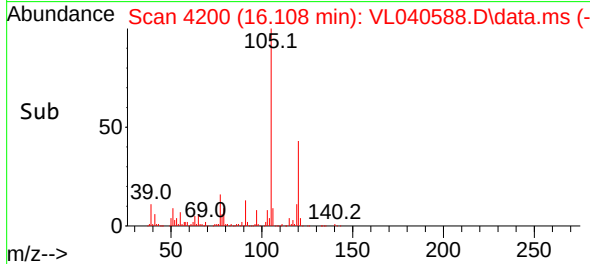
Yesilyurt

08/07/2023

Supervised By :Mahesh

Dadoda

08/07/2023



#76

1,4-Dichlorobenzene

Concen: 6.313 ppbv

RT: 16.474 min Scan# 4314

Delta R.T. -0.013 min

Lab File: VL040588.D

Acq: 4 Aug 2023 11:23

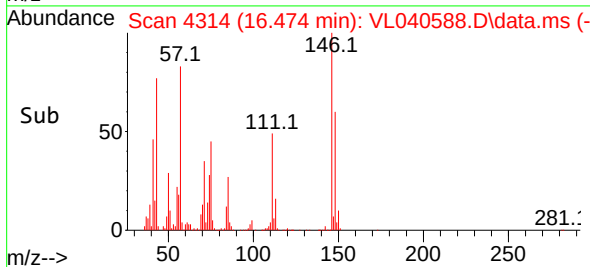
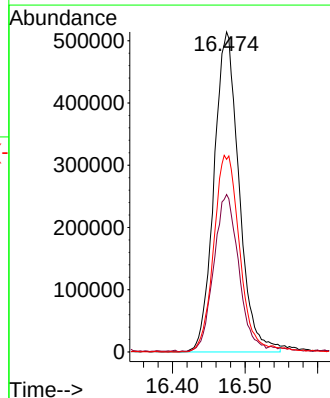
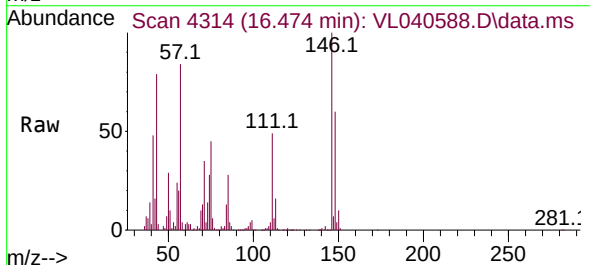
Tgt Ion:146 Resp: 1230959

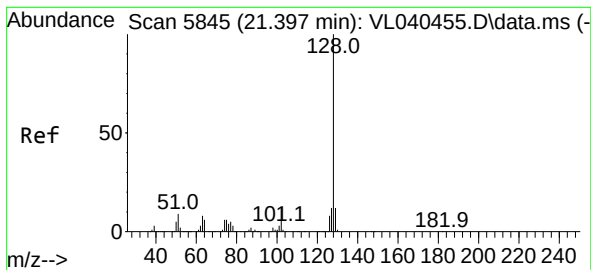
Ion Ratio Lower Upper

146 100

111 50.0 22.8 68.3

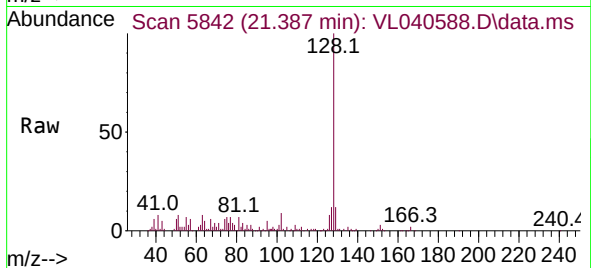
148 64.4 32.6 97.8





#79
Naphthalene
Concen: 0.891 ppbv m
RT: 21.387 min Scan# 5842
Delta R.T. -0.006 min
Lab File: VL040588.D
Acq: 4 Aug 2023 11:23

Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP



Tgt Ion:128 Resp: 247379
Ion Ratio Lower Upper
128 100
127 12.0 10.7 16.1
129 12.4 9.2 13.8

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Reviewed By :Semsettin
Yesilyurt
08/07/2023

Supervised By :Mahesh
Dadoda
08/07/2023

