

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040201.D
 Acq On : 21 Feb 2023 19:10
 Operator : SY/MD
 Sample : 01626-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-12

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 03:25:56 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	815203	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2091920	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.484	117	1907728	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1568228	9.997	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	64952	0.427	ppbv	95
3) Chlorodifluoromethane	2.671	51	90510m	0.929	ppbv	
4) Chloromethane	2.812	50	29104	0.476	ppbv	91
9) Propene	2.700	41	92490m	2.330	ppbv	
10) Heptane	7.584	43	15774m	0.167	ppbv	
11) Trichlorofluoromethane	3.565	101	30444	0.223	ppbv	87
13) Ethanol	3.240	45	4523507	1237.824	ppbv	94
15) Acetone	3.468	43	693439m	7.065	ppbv	
17) tert-Butyl alcohol	3.896	59	19315m	0.216	ppbv	
19) Isopropyl Alcohol	3.581	45	607599	13.023	ppbv #	98
20) Methylene Chloride	3.935	84	80551	1.577	ppbv	97
26) Hexane	5.221	57	65269	0.833	ppbv #	48
34) 2-Butanone	4.796	43	35413	0.343	ppbv	93
35) Carbon Tetrachloride	6.507	117	8309m	0.067	ppbv	
36) Benzene	6.378	78	105014	0.645	ppbv	95
44) 2,2,4-Trimethylpentane	7.340	57	61971	0.228	ppbv #	78
52) Tetrachloroethene	10.635	164	5736m	0.113	ppbv	
53) Toluene	9.233	91	236175	1.354	ppbv	98
58) Ethyl Benzene	12.105	91	38996	0.168	ppbv	100
59) m/p-Xylene	12.362	91	100921m	0.492	ppbv	
60) o-Xylene	13.079	91	40788m	0.206	ppbv	
74) 1,2,4-Trimethylbenzene	16.127	105	38962	0.175	ppbv #	62

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

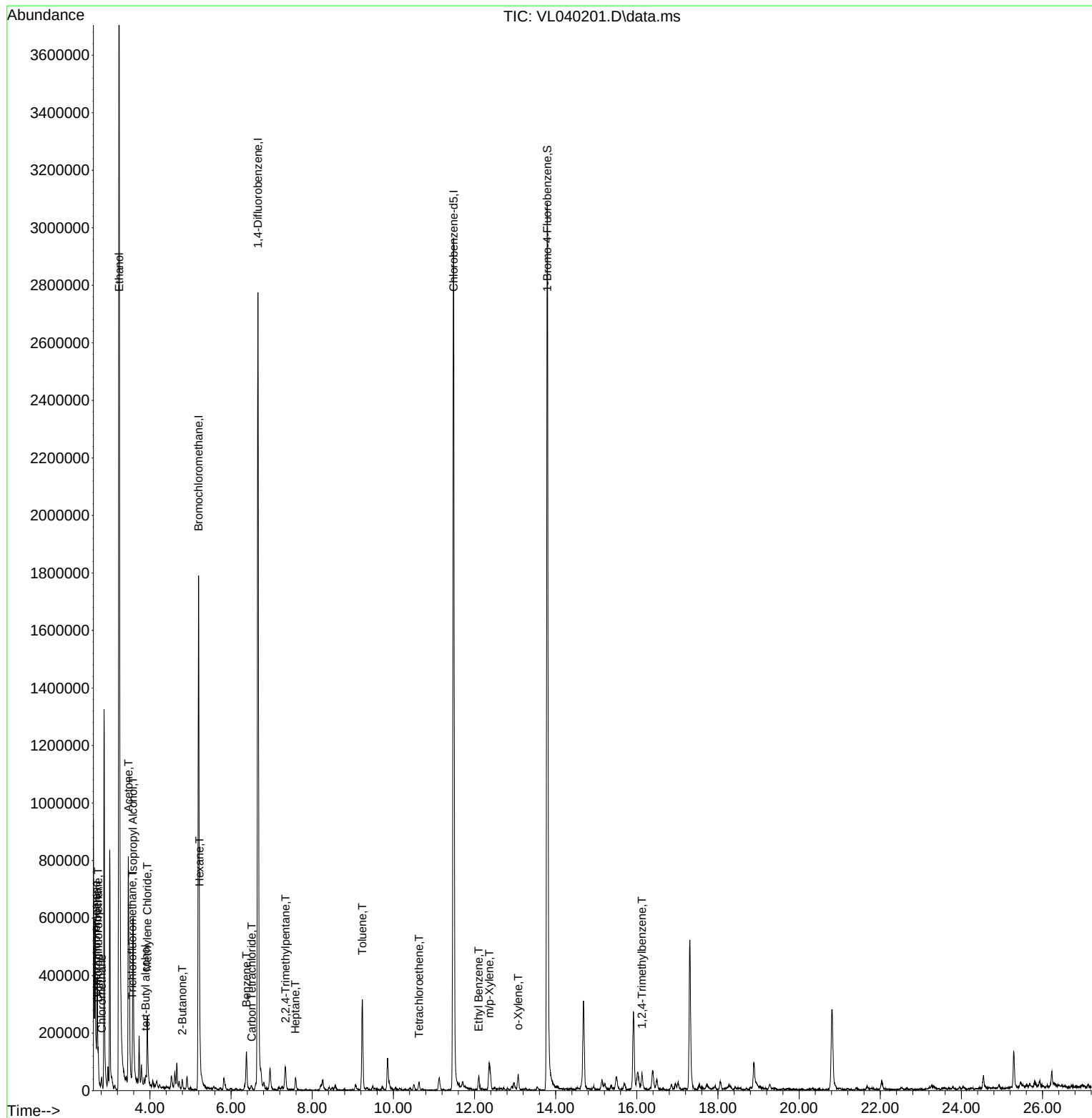
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
Data File : VL040201.D
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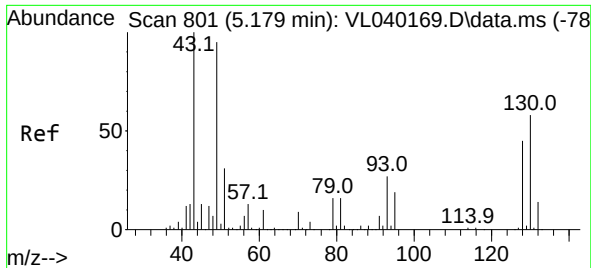
Instrument :
MSVOA_L
ClientSampleId :
IA-12

Quant Time: Feb 22 03:25:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 22 03:17:31 2023
Response via : Initial Calibration

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Supervised By : Mahesh Dadoda 02/23/2023





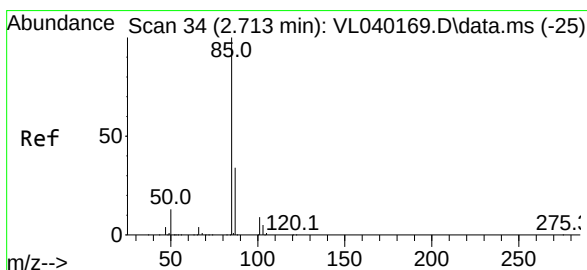
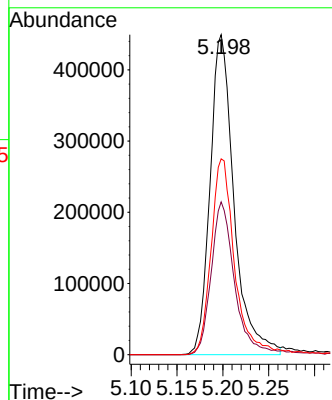
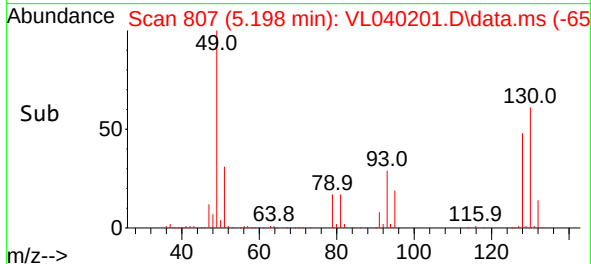
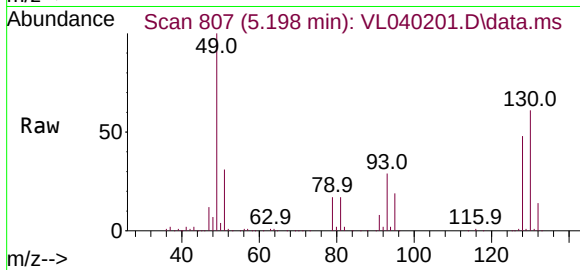
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

Instrument :
MSVOA_L
ClientSampleId :
IA-12

Tgt Ion: 49 Resp: 81520
Ion Ratio Lower Upper
49 100
128 47.9 24.1 72.3
130 61.9 30.9 92.8

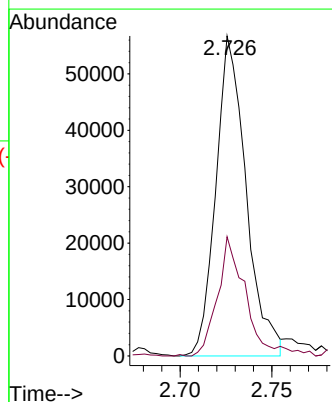
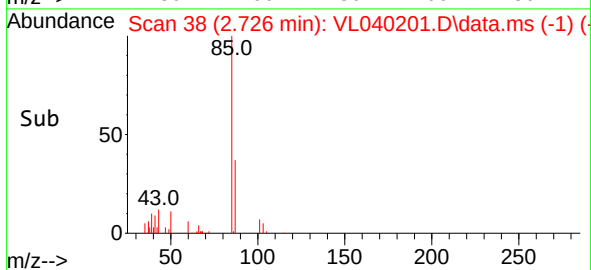
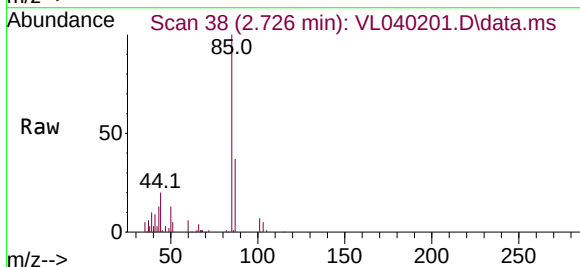
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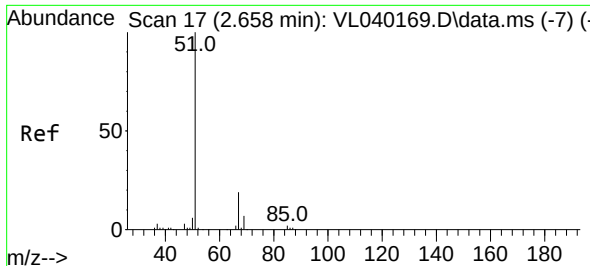
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#2
Dichlorodifluoromethane
Concen: 0.427 ppbv
RT: 2.726 min Scan# 38
Delta R.T. -0.003 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

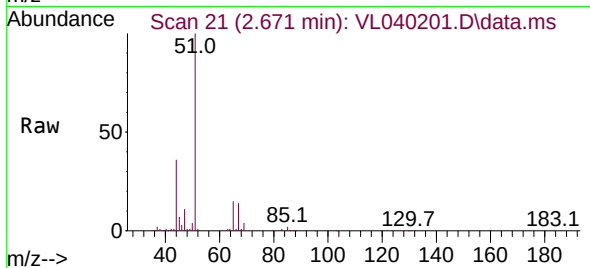
Tgt Ion: 85 Resp: 64952
Ion Ratio Lower Upper
85 100
87 36.8 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.929 ppbv m
RT: 2.671 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

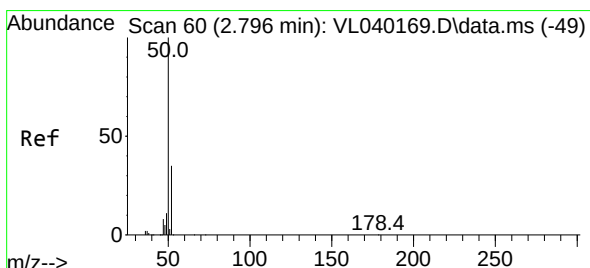
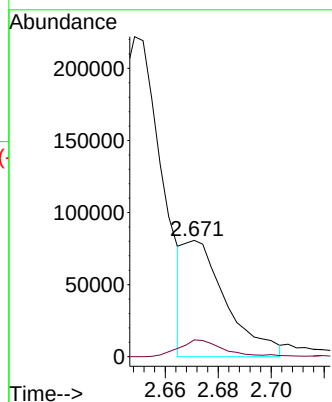
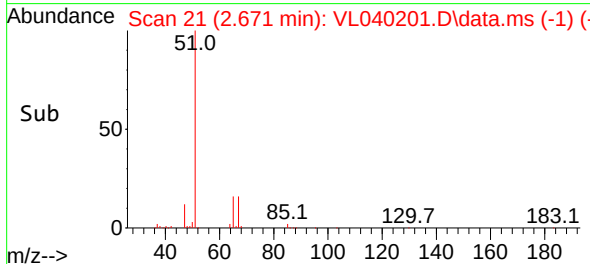
Instrument :
MSVOA_L
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IA-12



Tgt Ion: 51 Resp: 90510
Ion Ratio Lower Upper
51 100
67 16.1 15.4 23.2

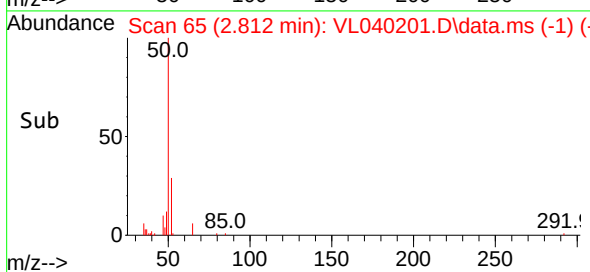
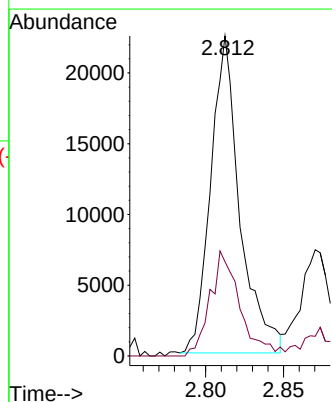
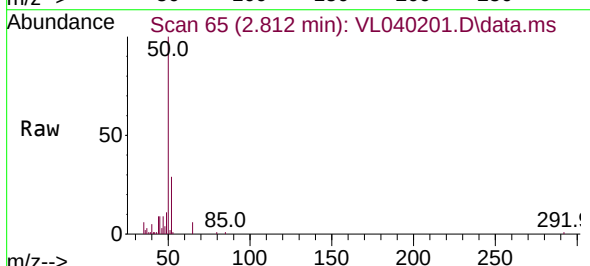
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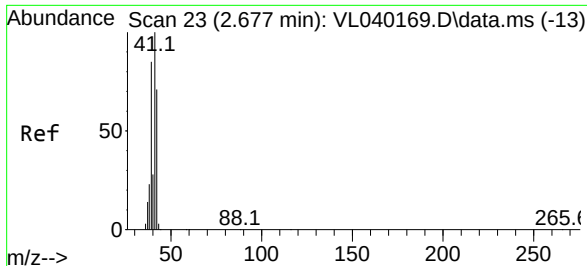
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#4
Chloromethane
Concen: 0.476 ppbv
RT: 2.812 min Scan# 65
Delta R.T. -0.000 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

Tgt Ion: 50 Resp: 29104
Ion Ratio Lower Upper
50 100
52 30.0 28.3 42.5





#9

Propene

Concen: 2.330 ppbv m

RT: 2.700 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL040201.D

Acq: 21 Feb 2023 19:10

Instrument :

MSVOA_L

ClientSampleId :

IA-12

Tgt Ion: 41 Resp: 92490

Ion Ratio Lower Upper

41 100

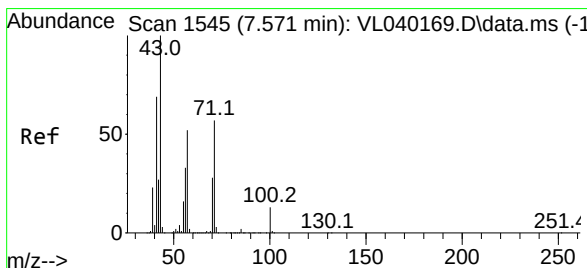
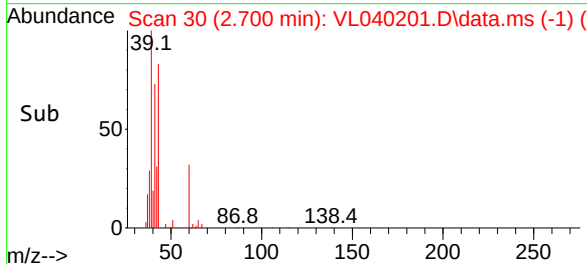
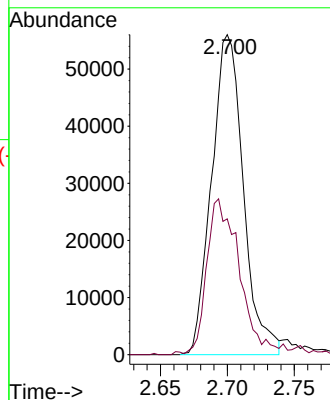
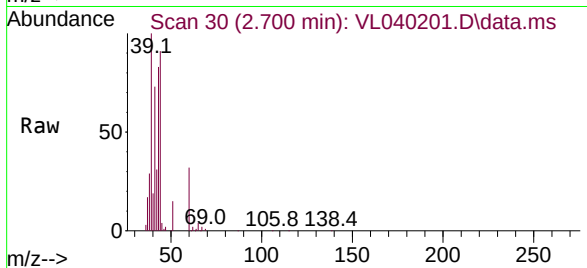
42 253.0 56.9 85.3

Manual Integrations

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Supervised By :Mahesh Dadoda 02/23/2023



#10

Heptane

Concen: 0.167 ppbv m

RT: 7.584 min Scan# 1549

Delta R.T. -0.019 min

Lab File: VL040201.D

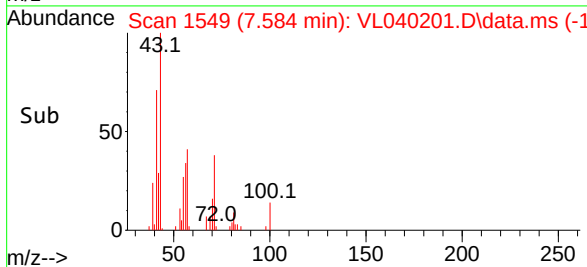
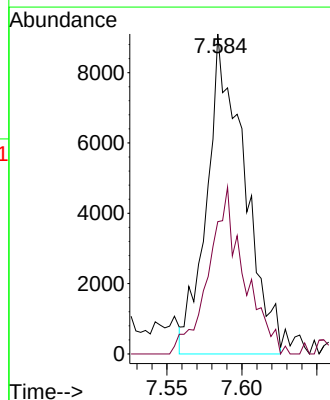
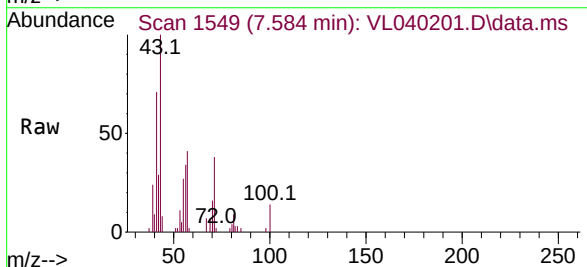
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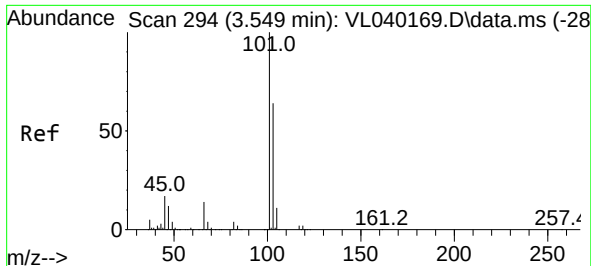
Tgt Ion: 43 Resp: 15774

Ion Ratio Lower Upper

43 100

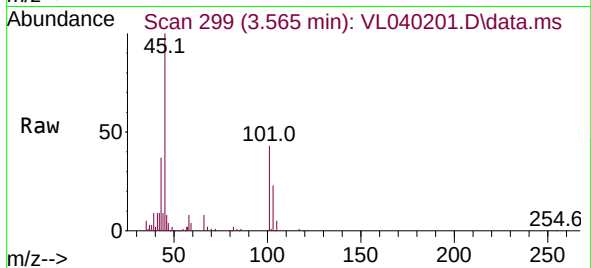
57 49.3 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.223 ppbv
RT: 3.565 min Scan# 294
Delta R.T. -0.003 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

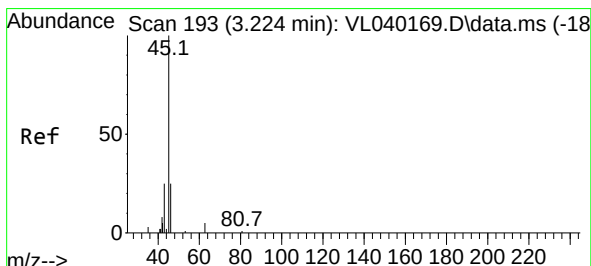
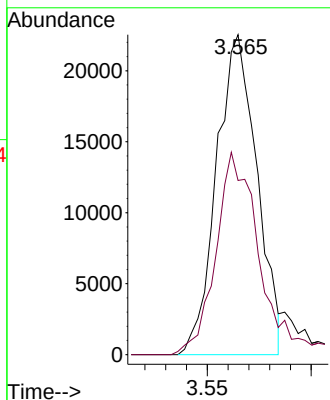
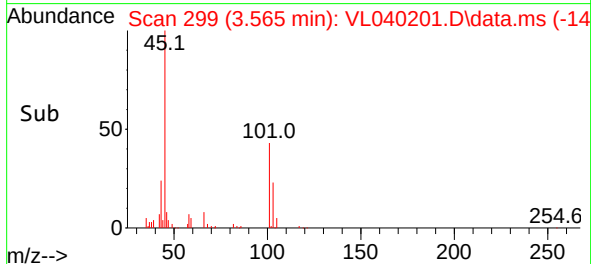
Instrument :
MSVOA_L
ClientSampleId :
IA-12



Tgt Ion:101 Resp: 3044
Ion Ratio Lower Upper
101 100
103 53.5 51.0 76.6

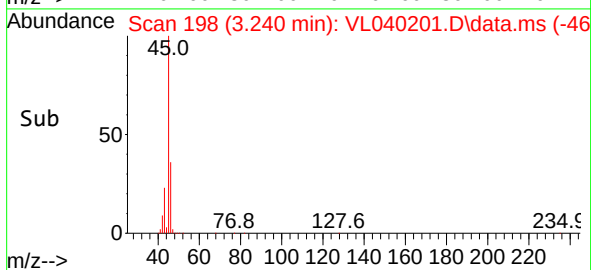
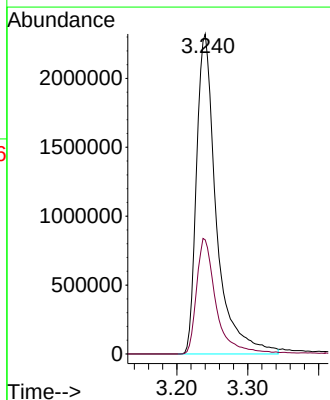
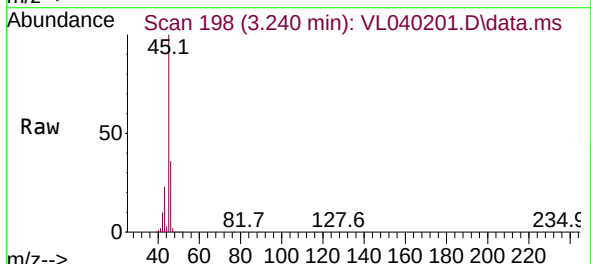
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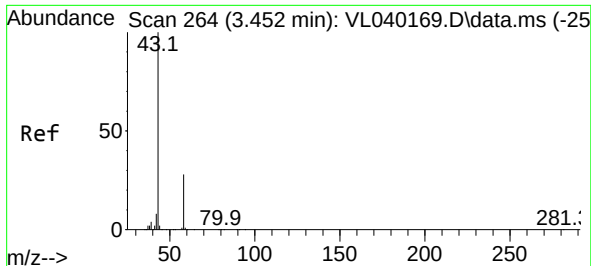
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#13
Ethanol
Concen: 1237.824 ppbv
RT: 3.240 min Scan# 198
Delta R.T. -0.010 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

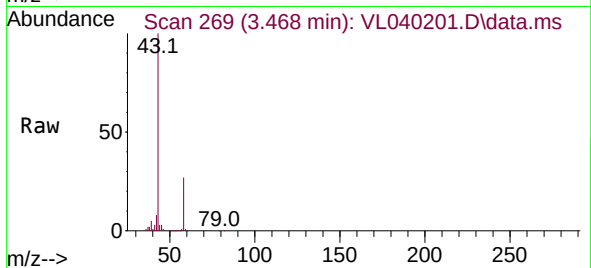
Tgt Ion: 45 Resp: 4523507
Ion Ratio Lower Upper
45 100
46 36.6 13.3 53.1





#15
Acetone
Concen: 7.065 ppbv m
RT: 3.468 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

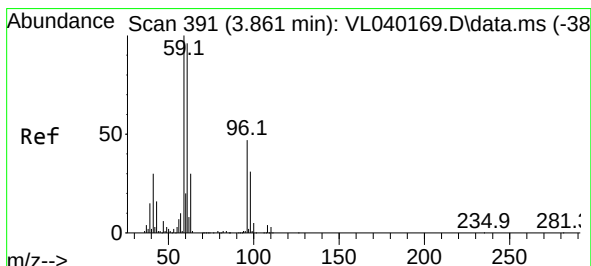
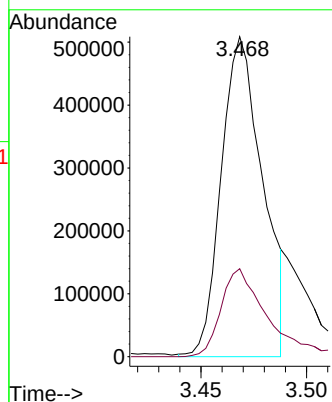
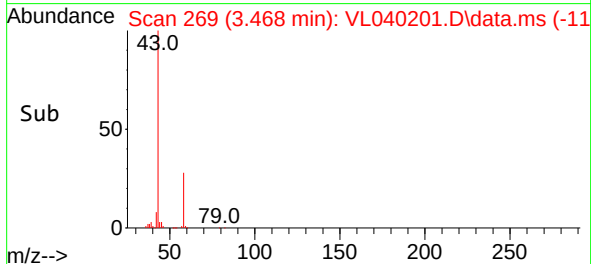
Instrument :
MSVOA_L
ClientSampleId :
IA-12



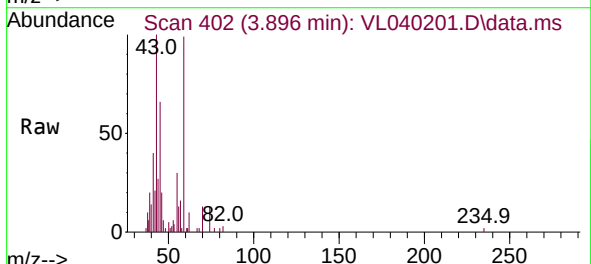
Tgt Ion: 43 Resp: 693439
Ion Ratio Lower Upper
43 100
58 32.2 22.4 33.6

Manual Integrations
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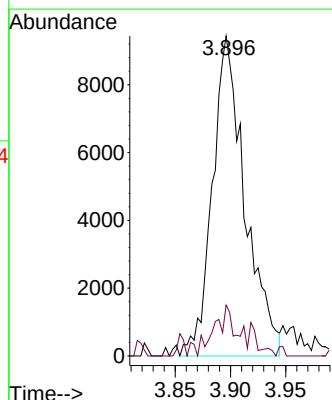
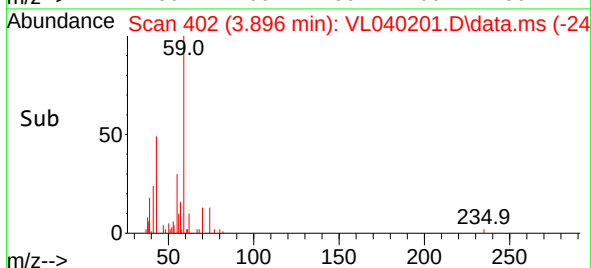
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Supervised By :Mahesh Dadoda 02/23/2023

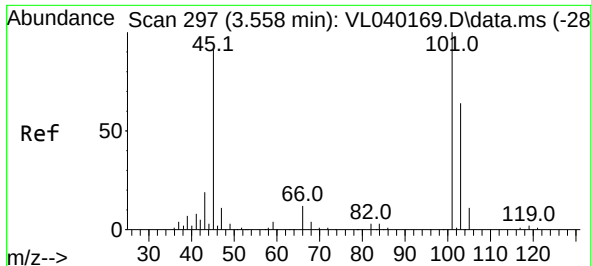


#17
tert-Butyl alcohol
Concen: 0.216 ppbv m
RT: 3.896 min Scan# 402
Delta R.T. 0.010 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10



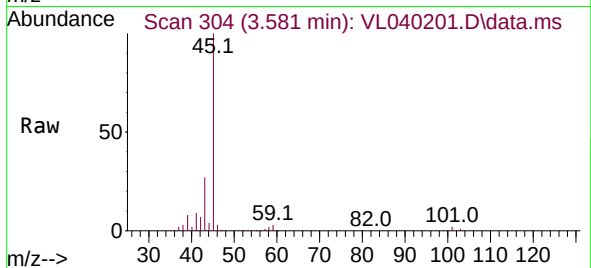
Tgt Ion: 59 Resp: 19315
Ion Ratio Lower Upper
59 100
57 15.8 8.5 12.7#





#19
Isopropyl Alcohol
Concen: 13.023 ppbv
RT: 3.581 min Scan# 304
Delta R.T. -0.000 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

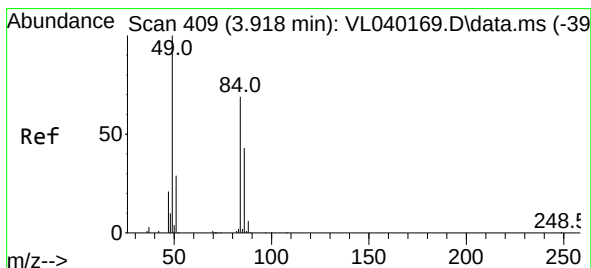
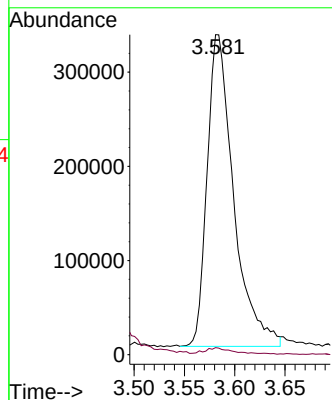
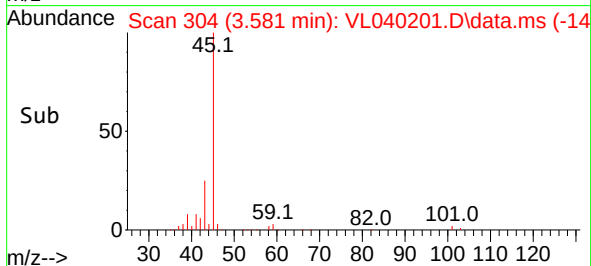
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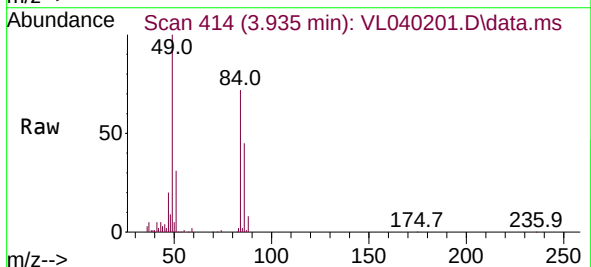
Tgt Ion: 45 Resp: 607599
Ion Ratio Lower Upper
45 100
58 2.4 2.6 3.8

Manual Integrations
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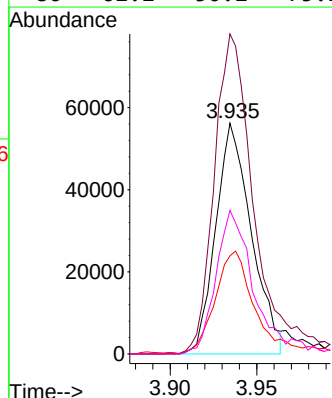
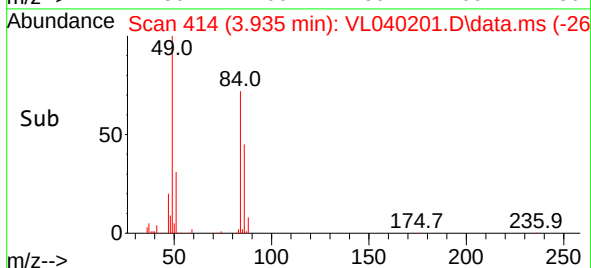
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

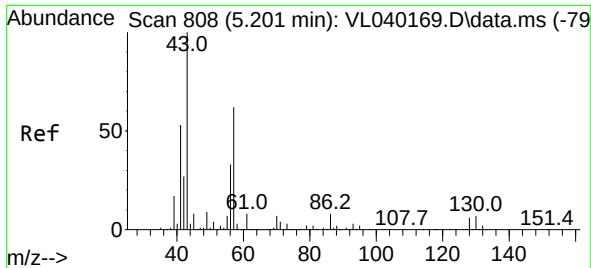


#20
Methylene Chloride
Concen: 1.577 ppbv
RT: 3.935 min Scan# 414
Delta R.T. -0.003 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10



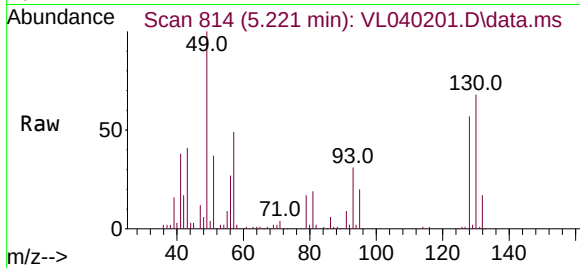
Tgt Ion: 84 Resp: 80551
Ion Ratio Lower Upper
84 100
49 138.4 115.5 173.3
51 42.6 33.1 49.7
86 62.2 50.2 75.2





#26
Hexane
Concen: 0.833 ppbv
RT: 5.221 min Scan# 814
Delta R.T. -0.003 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

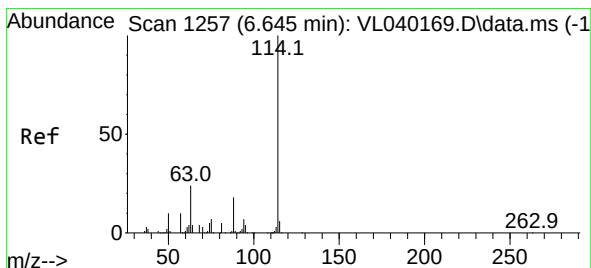
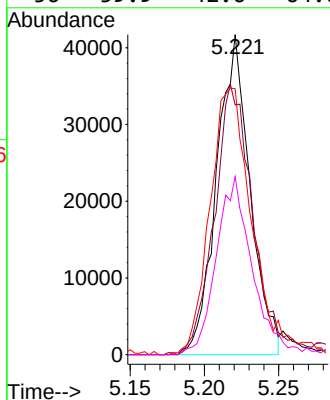
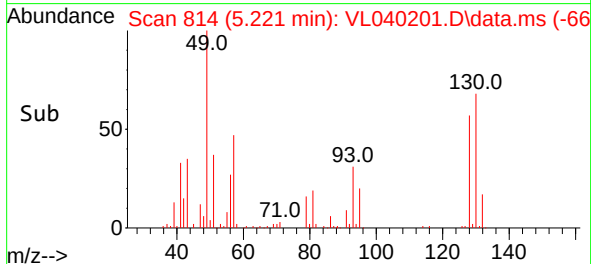
Instrument :
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IA-12



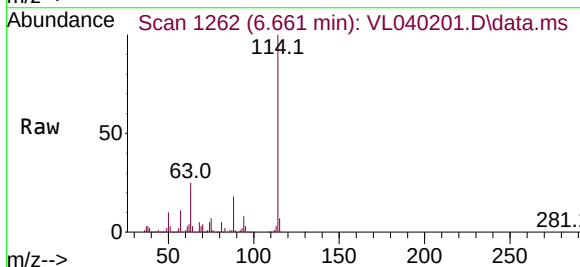
Tgt Ion: 57 Resp: 65269
Ion Ratio Lower Upper
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43 108.0 193.0 289.4
56 59.9 42.6 64.0

Manual Integrations
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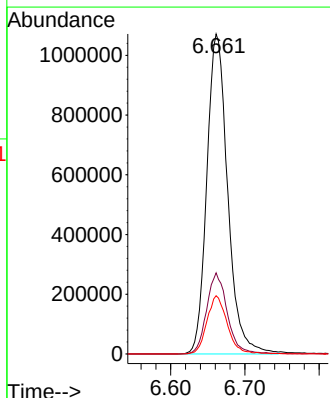
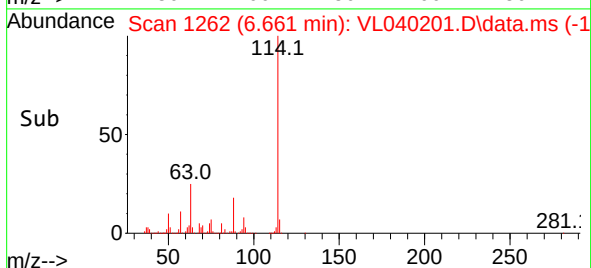
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

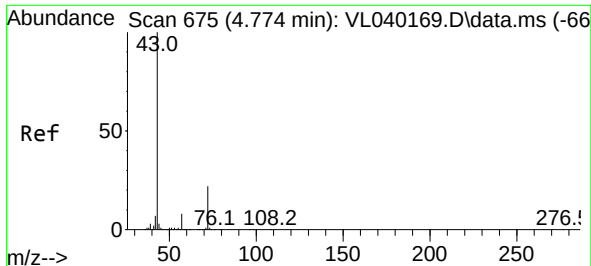


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. -0.013 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10



Tgt Ion:114 Resp: 2091920
Ion Ratio Lower Upper
114 100
63 25.2 20.4 30.6
88 17.9 14.3 21.5





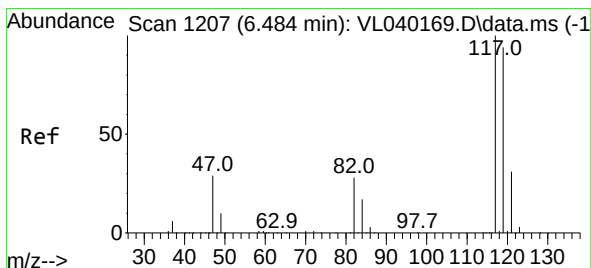
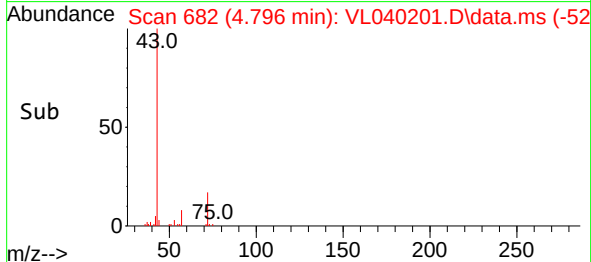
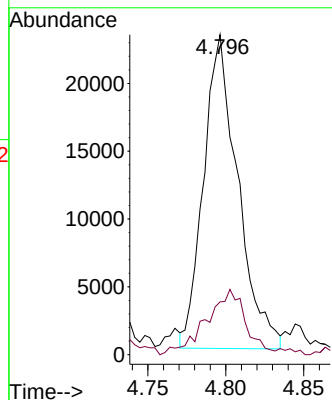
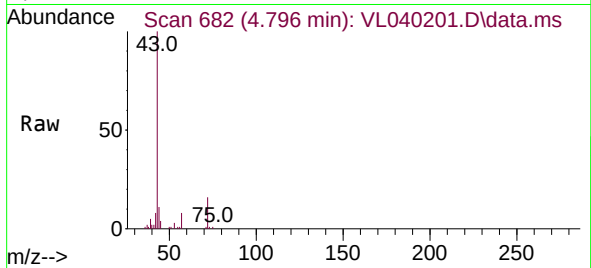
#34
2-Butanone
Concen: 0.343 ppbv
RT: 4.796 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

Instrument :
MSVOA_L
ClientSampleId :
IA-12

Tgt Ion: 43 Resp: 3541
Ion Ratio Lower Upper
43 100
72 25.5 17.8 26.8

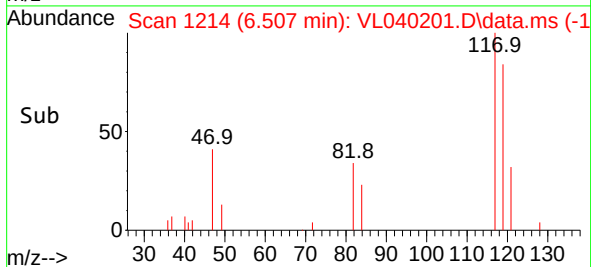
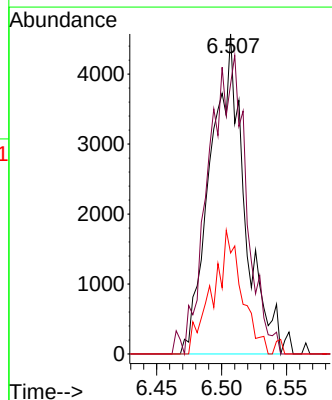
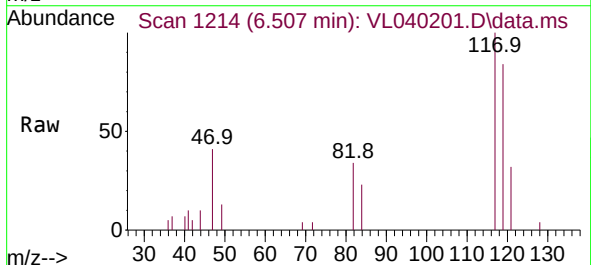
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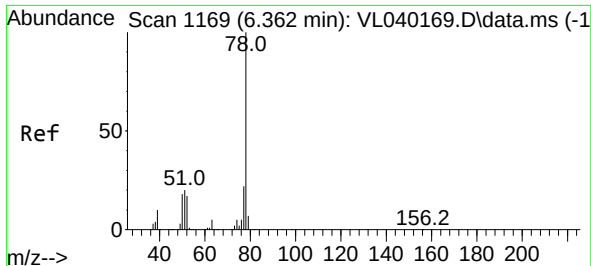
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#35
Carbon Tetrachloride
Concen: 0.067 ppbv m
RT: 6.507 min Scan# 1214
Delta R.T. -0.007 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

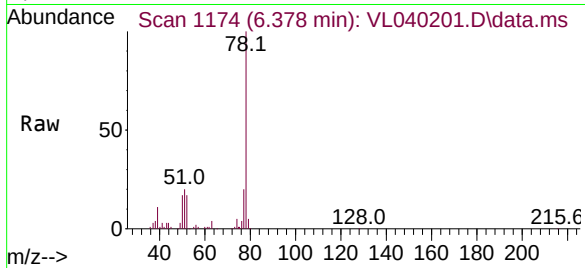
Tgt Ion:117 Resp: 8309
Ion Ratio Lower Upper
117 100
119 84.3 75.0 112.6
121 31.5 25.0 37.4





#36
Benzene
Concen: 0.645 ppbv
RT: 6.378 min Scan# 1169
Delta R.T. -0.010 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

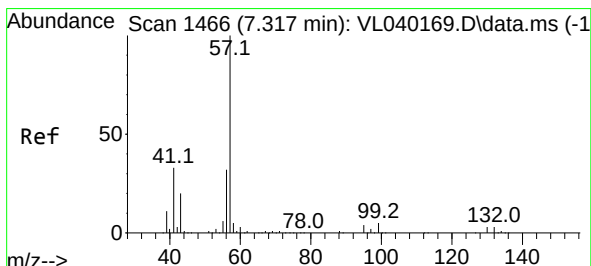
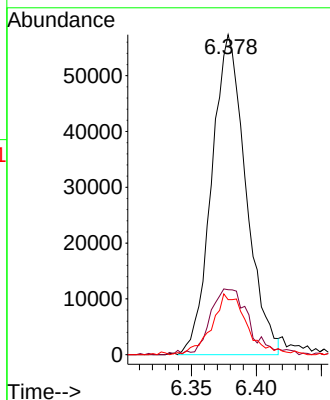
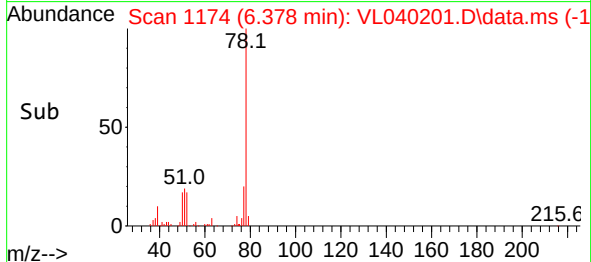
Instrument :
MSVOA_L
ClientSampleId :
IA-12



Tgt Ion: 78 Resp: 105014
Ion Ratio Lower Upper
78 100
77 18.9 17.5 26.3
50 16.6 14.6 22.0

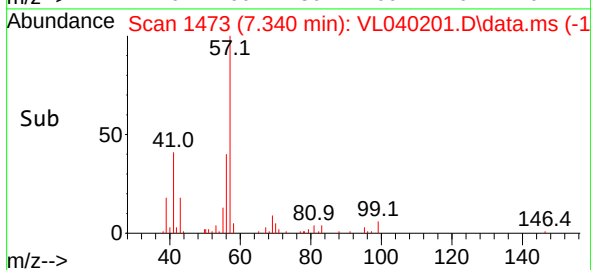
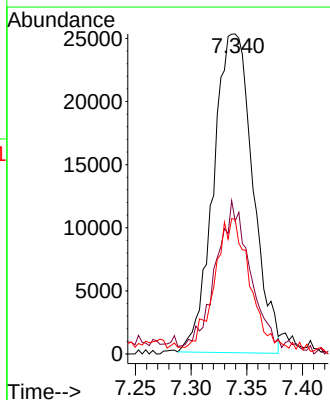
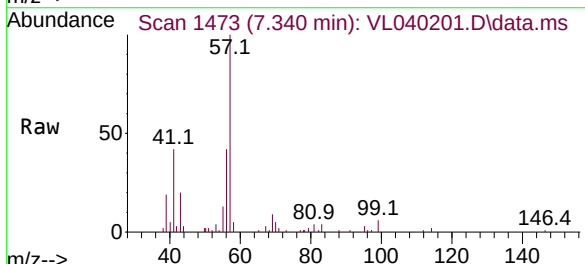
Manual Integrations
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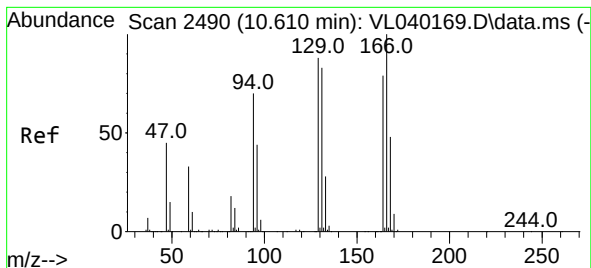
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#44
2,2,4-Trimethylpentane
Concen: 0.228 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. -0.007 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

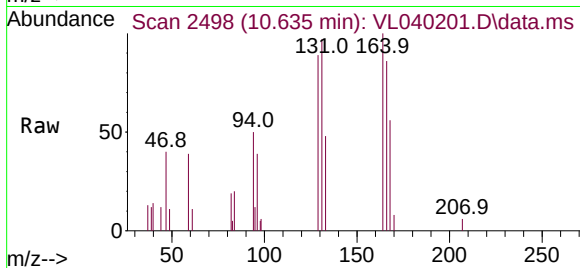
Tgt Ion: 57 Resp: 61971
Ion Ratio Lower Upper
57 100
41 46.9 26.2 39.4#
56 41.4 24.9 37.3#





#52
Tetrachloroethene
Concen: 0.113 ppbv m
RT: 10.635 min Scan# 2498
Delta R.T. -0.007 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

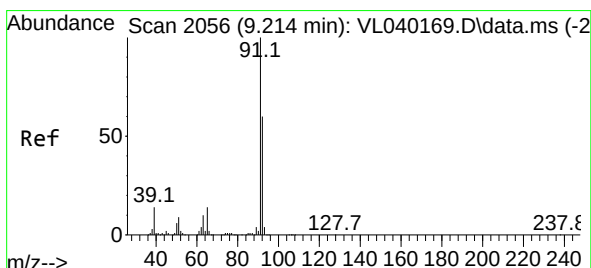
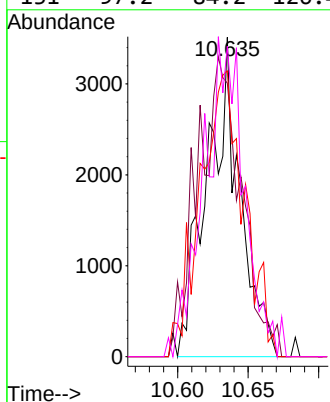
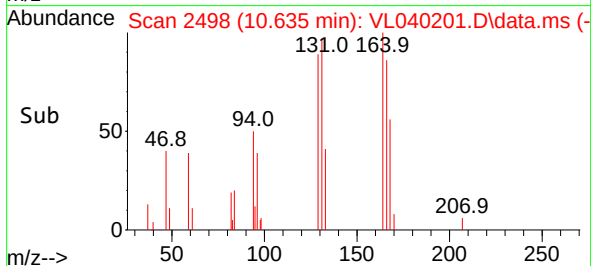
Instrument :
MSVOA_L
ClientSampleId :
IA-12



Tgt Ion:164 Resp: 5730
Ion Ratio Lower Upper
164 100
166 85.7 101.5 152.3
129 89.5 89.0 133.4
131 97.2 84.2 126.4

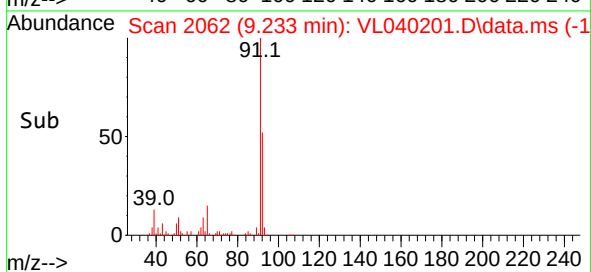
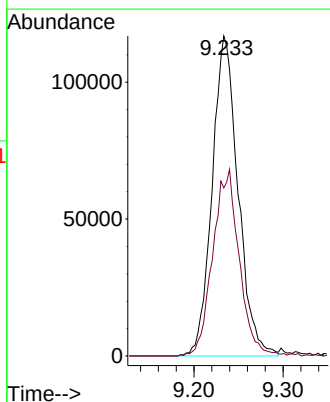
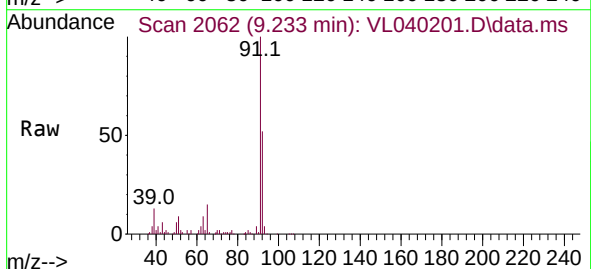
Manual Integrations
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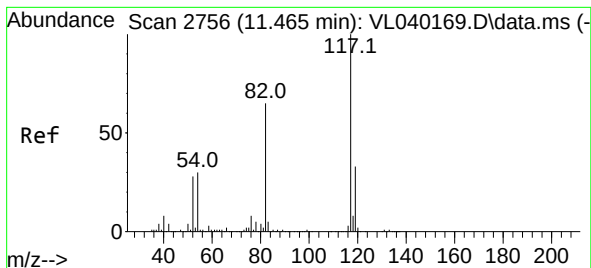
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#53
Toluene
Concen: 1.354 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. -0.013 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

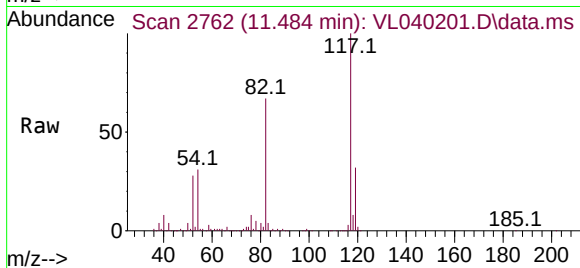
Tgt Ion: 91 Resp: 236175
Ion Ratio Lower Upper
91 100
92 59.7 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

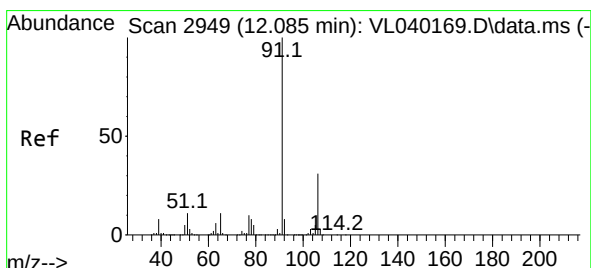
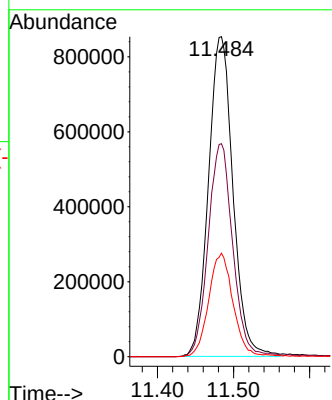
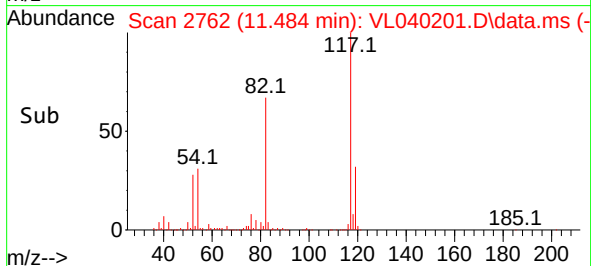
Instrument :
MSVOA_L
ClientSampleId :
IA-12



Tgt Ion:117 Resp: 1907728
Ion Ratio Lower Upper
117 100
82 67.5 53.3 79.9
119 32.5 24.6 37.0

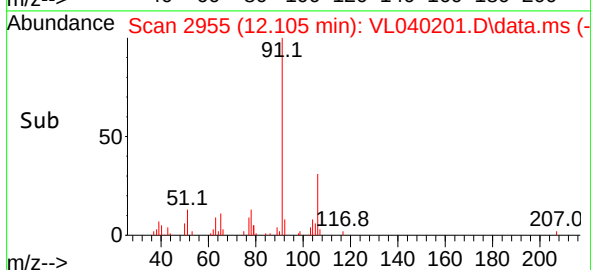
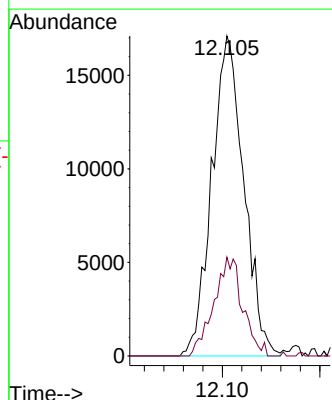
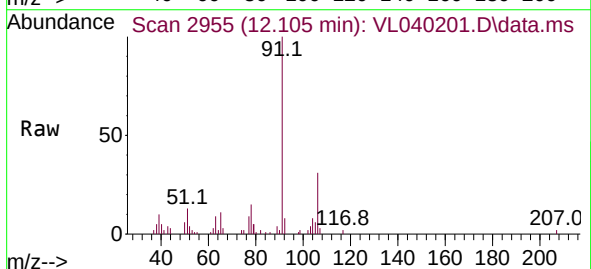
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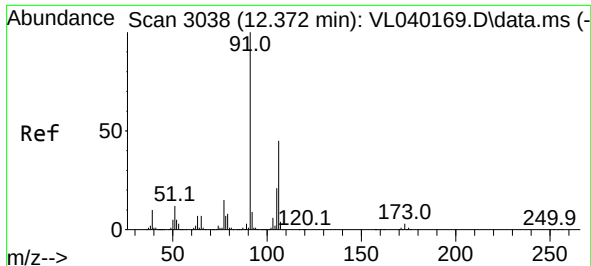
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#58
Ethyl Benzene
Concen: 0.168 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. -0.013 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

Tgt Ion: 91 Resp: 38996
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3





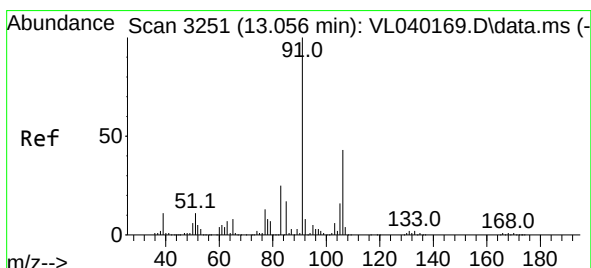
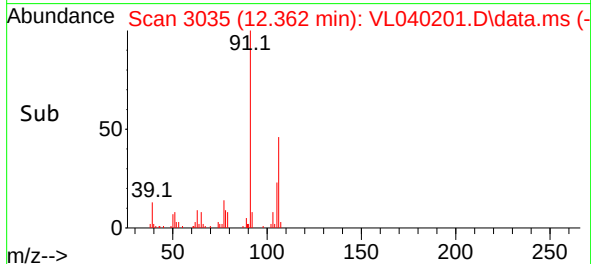
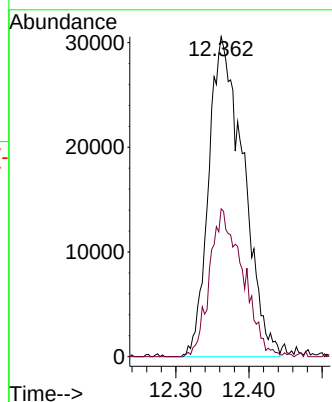
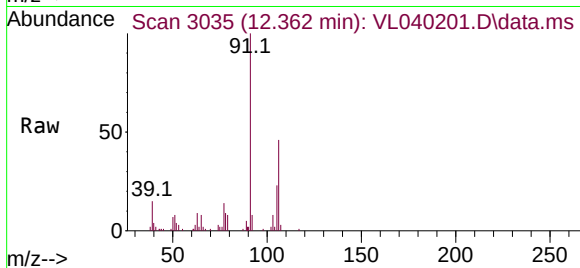
#59
m/p-Xylene
Concen: 0.492 ppbv m
RT: 12.362 min Scan# 3035
Delta R.T. -0.035 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

Instrument :
MSVOA_L
ClientSampleId :
IA-12

Tgt Ion: 91 Resp: 10092
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8

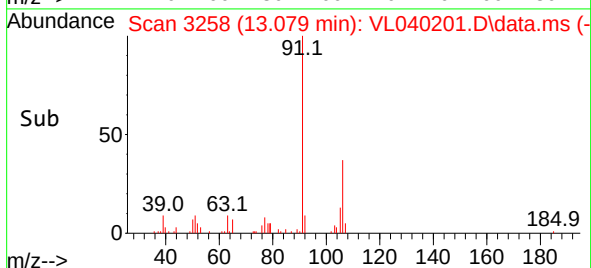
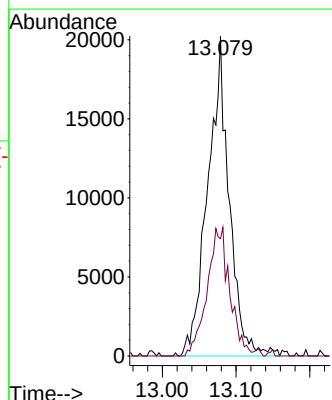
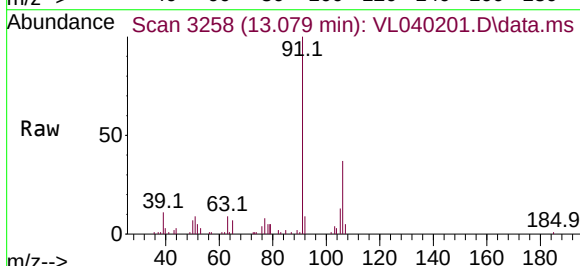
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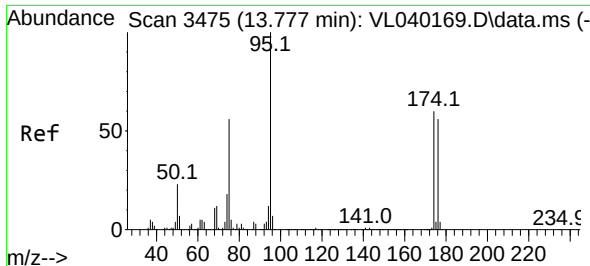
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#60
o-Xylene
Concen: 0.206 ppbv m
RT: 13.079 min Scan# 3258
Delta R.T. -0.007 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

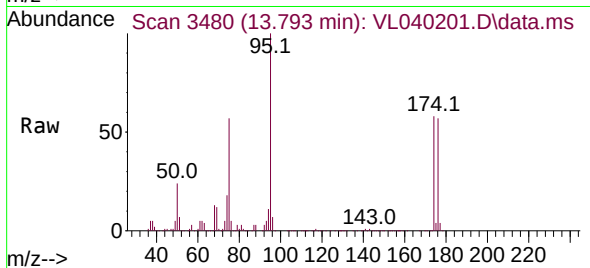
Tgt Ion: 91 Resp: 40788
Ion Ratio Lower Upper
91 100
106 43.4 21.6 65.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.997 ppbv
RT: 13.793 min Scan# 3475
Delta R.T. -0.013 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

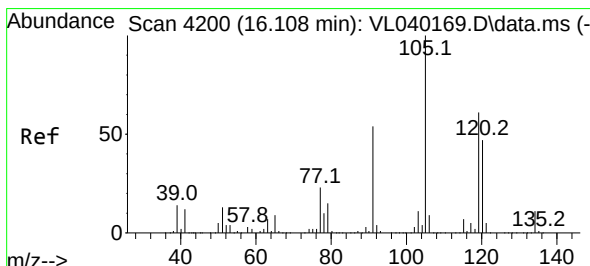
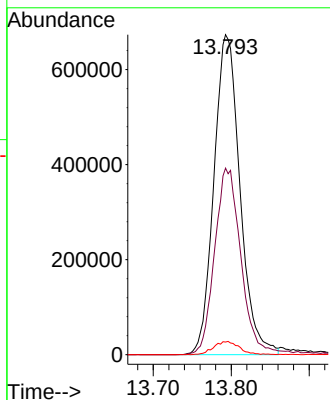
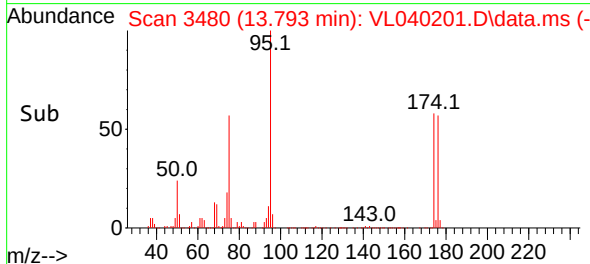
Instrument :
MSVOA_L
ClientSampleId :
IA-12



Tgt Ion: 95 Resp: 1568228
Ion Ratio Lower Upper
95 100
174 60.1 48.2 72.2
175 4.2 3.4 5.2

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Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.175 ppbv
RT: 16.127 min Scan# 4206
Delta R.T. -0.010 min
Lab File: VL040201.D
Acq: 21 Feb 2023 19:10

Tgt Ion:105 Resp: 38962
Ion Ratio Lower Upper
105 100
120 30.7 37.9 56.9#
91 12.2 43.7 65.5#
77 14.3 18.3 27.5#

