

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040712.D
 Acq On : 18 Sep 2023 23:42
 Operator : SY/MD
 Sample : 04468-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 05:23:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 18 2023
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	1065256	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3100021	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2486222	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1838950	9.573	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	117424	0.500	ppbv	99
3) Chlorodifluoromethane	2.681	51	51532m	0.297	ppbv	
4) Chloromethane	2.822	50	46588	0.701	ppbv	91
9) Propene	2.710	41	24869	0.497	ppbv	91
11) Trichlorofluoromethane	3.568	101	45195	0.219	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.083	101	12651m	0.086	ppbv	
13) Ethanol	3.247	45	118948	8.038	ppbv	94
15) Acetone	3.475	43	1379782	9.820	ppbv	95
20) Methylene Chloride	3.944	84	80149	1.060	ppbv	93
25) Ethyl Acetate	5.221	43	80302m	0.354	ppbv	
26) Hexane	5.218	57	86574	0.808	ppbv #	48
34) 2-Butanone	4.800	43	108536	0.696	ppbv	93
35) Carbon Tetrachloride	6.504	117	14522m	0.068	ppbv	
36) Benzene	6.375	78	45097	0.196	ppbv	97
53) Toluene	9.227	91	50002	0.206	ppbv	97
59) m/p-Xylene	12.359	91	29109m	0.109	ppbv	
60) o-Xylene	13.063	91	15804m	0.062	ppbv	
73) 1,3,5-Trimethylbenzene	15.365	105	23308m	0.091	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	60799	0.195	ppbv #	58

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

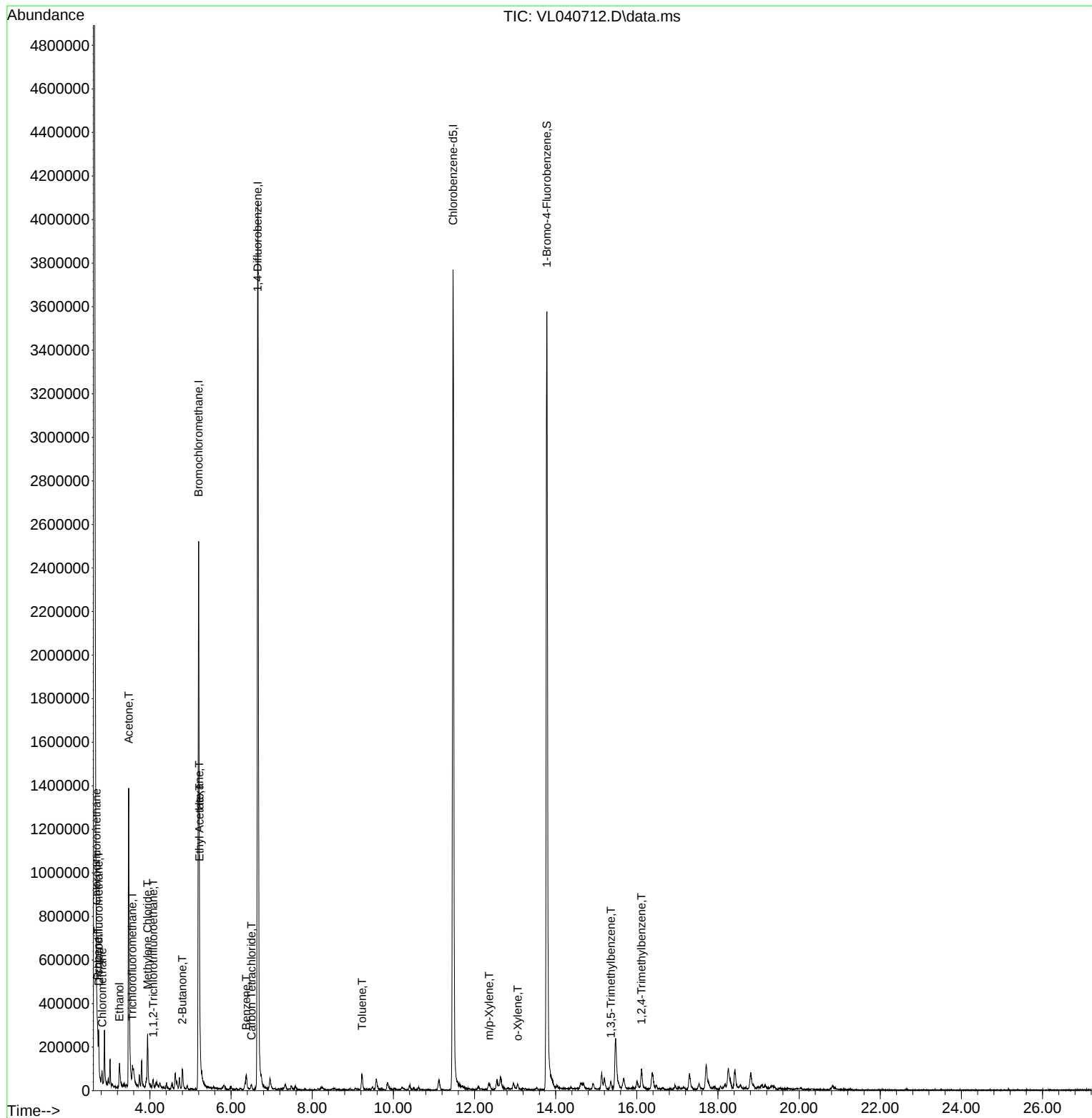
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
Data File : VL040712.D
Acq On : 18 Sep 2023 23:42
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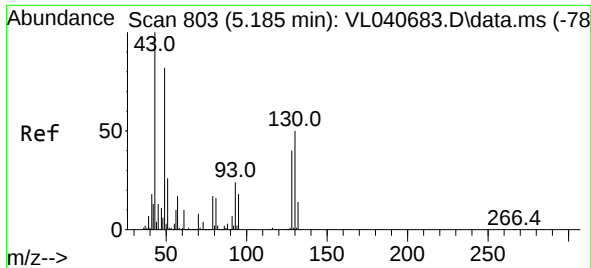
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Sep 19 05:23:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

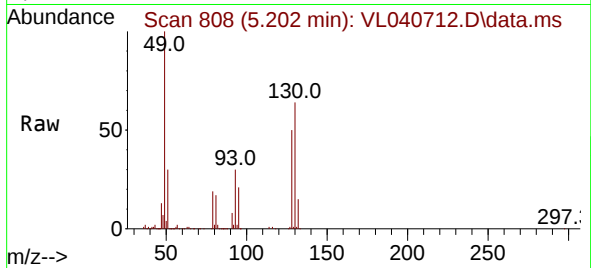
Reviewed By : Semsettin Yesilyurt 09/19/2023
Supervised By : Mahesh Dadoda 09/19/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.202 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

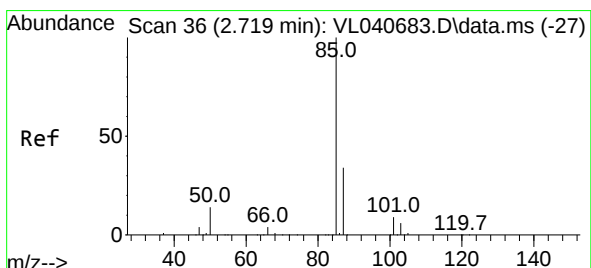
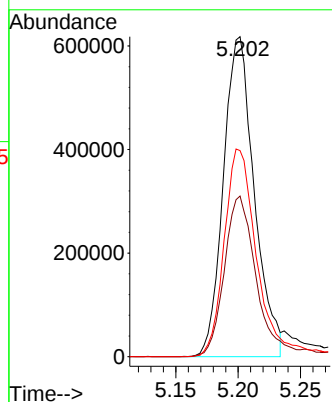
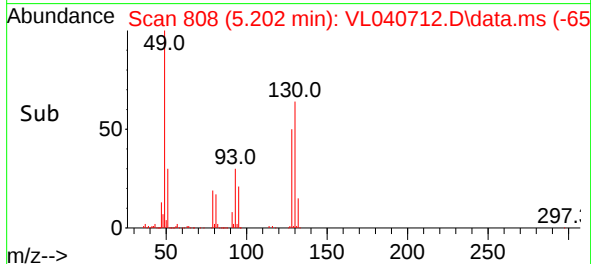
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 106525
Ion Ratio Lower Upper
49 100
128 54.8 25.4 76.0
130 71.6 32.3 96.8

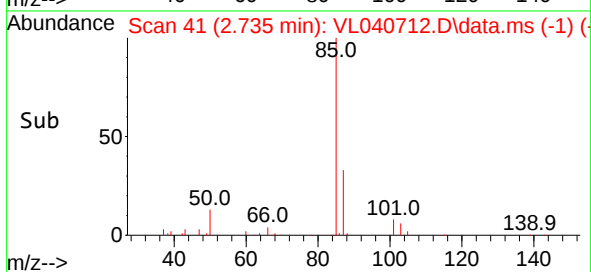
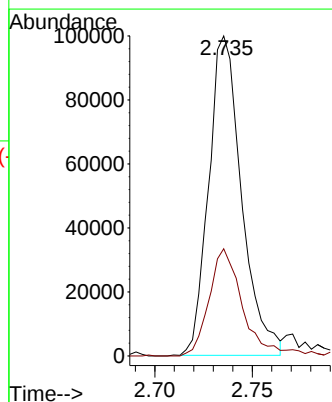
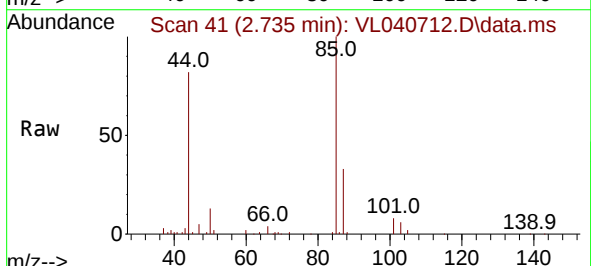
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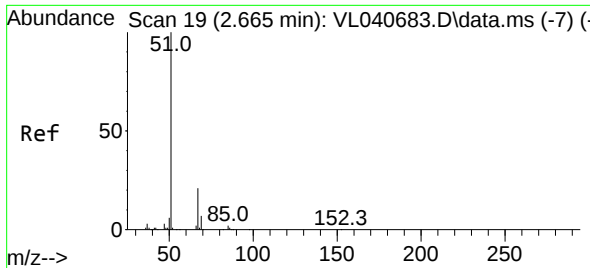
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#2
Dichlorodifluoromethane
Concen: 0.500 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

Tgt Ion: 85 Resp: 117424
Ion Ratio Lower Upper
85 100
87 33.6 27.2 40.8





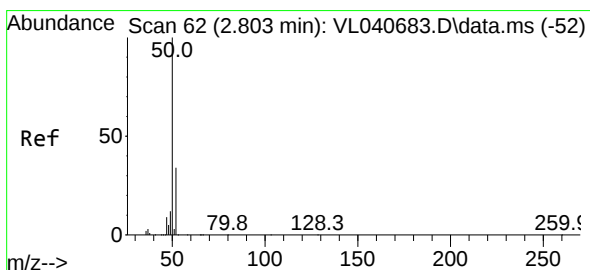
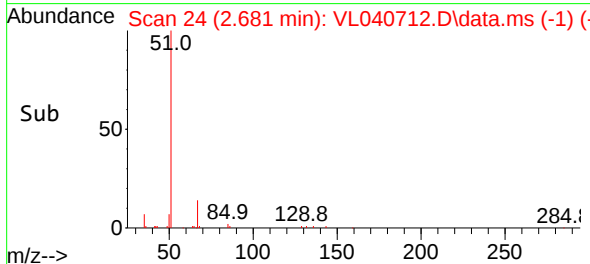
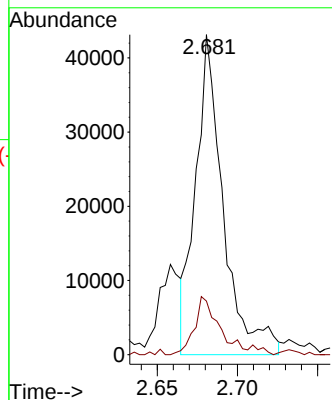
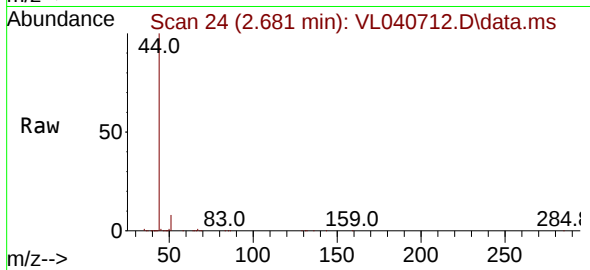
#3
Chlorodifluoromethane
Concen: 0.297 ppbv m
RT: 2.681 min Scan# 24
Delta R.T. 0.003 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 5153
Ion Ratio Lower Upper
51 100
67 18.3 16.7 25.1

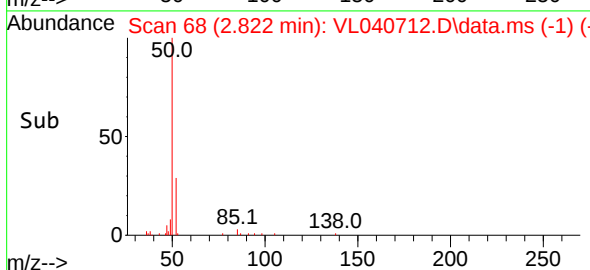
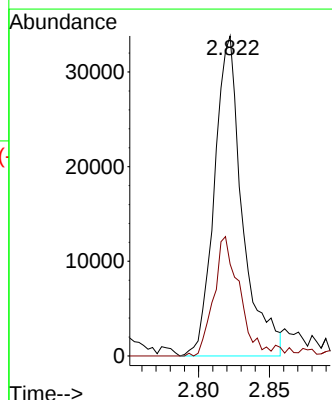
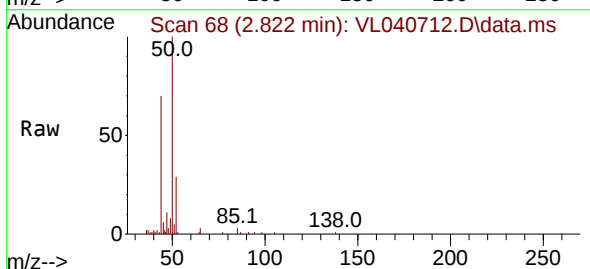
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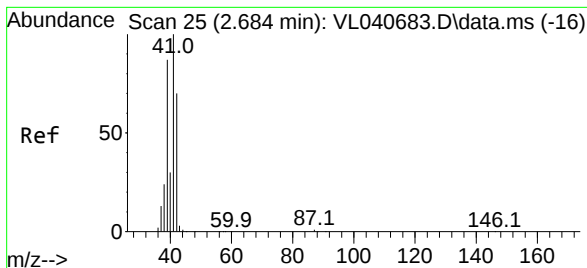
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#4
Chloromethane
Concen: 0.701 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.007 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

Tgt Ion: 50 Resp: 46588
Ion Ratio Lower Upper
50 100
52 28.7 27.1 40.7





#9

Propene

Concen: 0.497 ppbv

RT: 2.710 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL040712.D

Acq: 18 Sep 2023 23:42

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 41 Resp: 2486

Ion Ratio Lower Upper

41 100

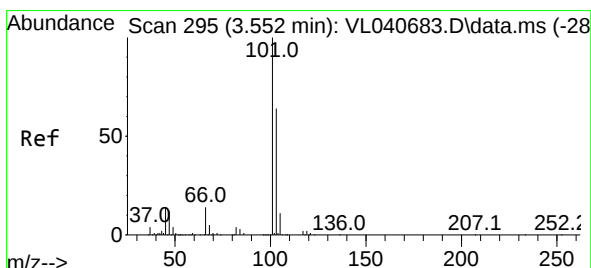
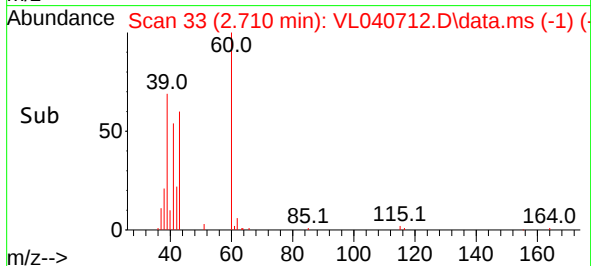
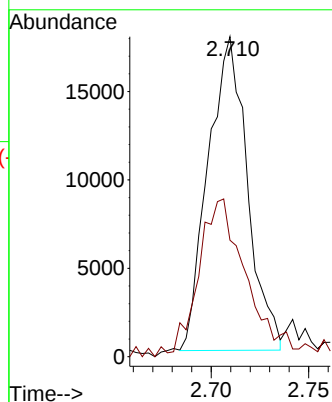
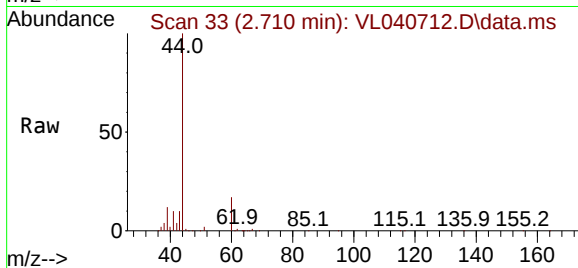
42 63.7 56.7 85.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023



#11

Trichlorofluoromethane

Concen: 0.219 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.000 min

Lab File: VL040712.D

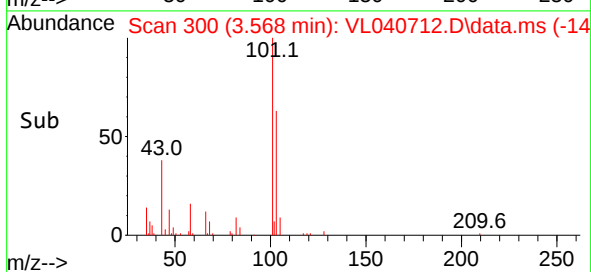
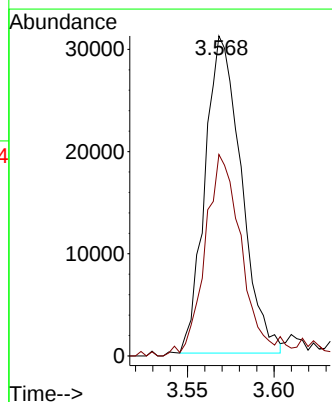
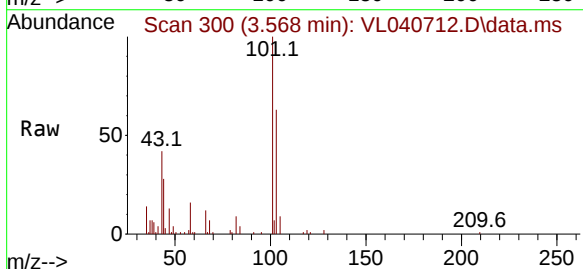
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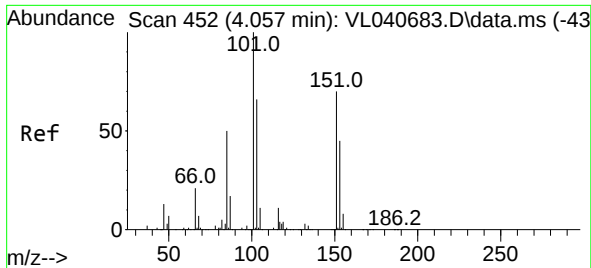
Tgt Ion:101 Resp: 45195

Ion Ratio Lower Upper

101 100

103 62.5 51.3 76.9





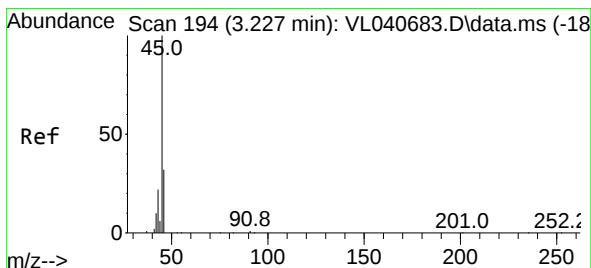
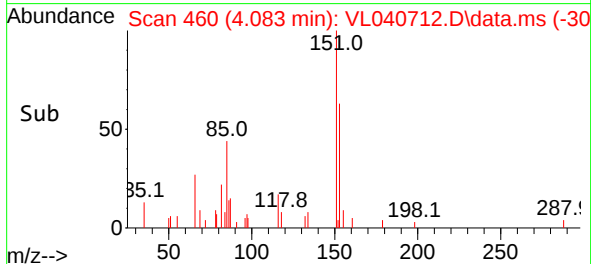
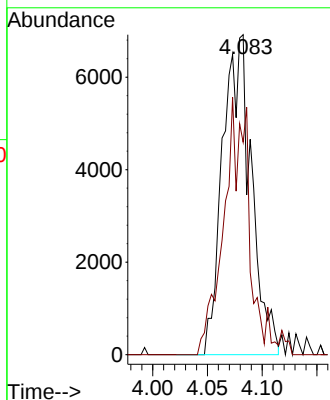
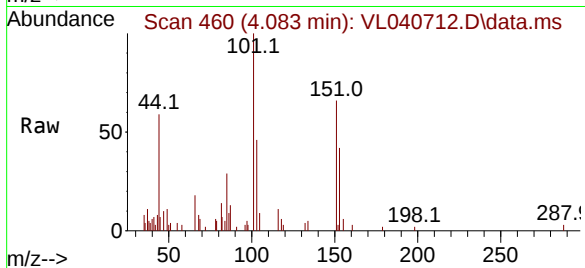
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.086 ppbv m
RT: 4.083 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 1265
Ion Ratio Lower Upper
101 100
151 72.7 56.8 85.2

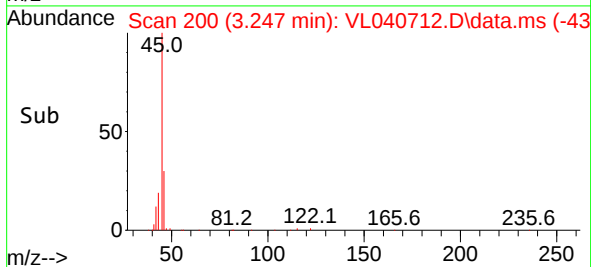
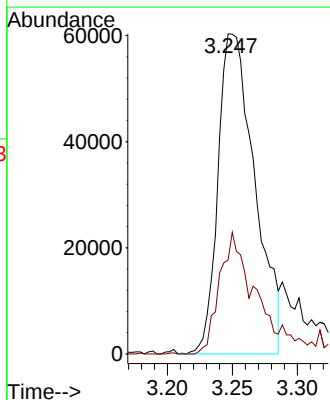
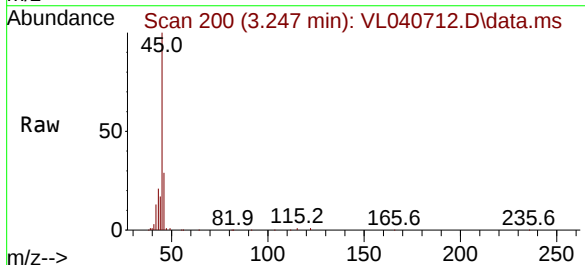
Manual Integrations
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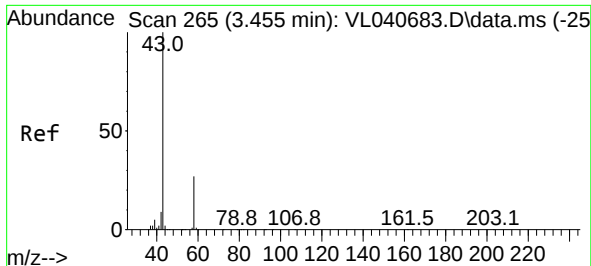
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#13
Ethanol
Concen: 8.038 ppbv
RT: 3.247 min Scan# 200
Delta R.T. 0.003 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

Tgt Ion: 45 Resp: 118948
Ion Ratio Lower Upper
45 100
46 41.9 15.2 61.0





#15

Acetone

Concen: 9.820 ppbv

RT: 3.475 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040712.D

Acq: 18 Sep 2023 23:42

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 43 Resp: 137978

Ion Ratio Lower Upper

43 100

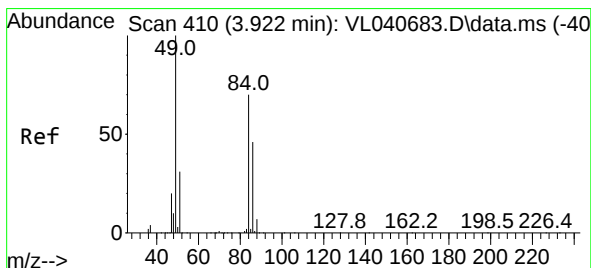
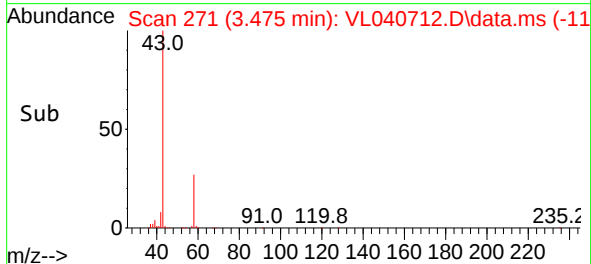
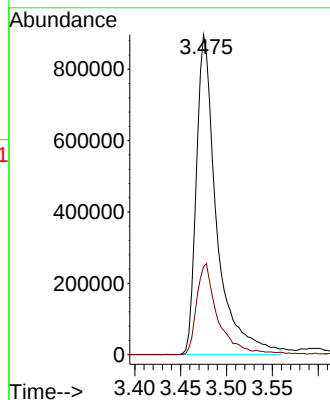
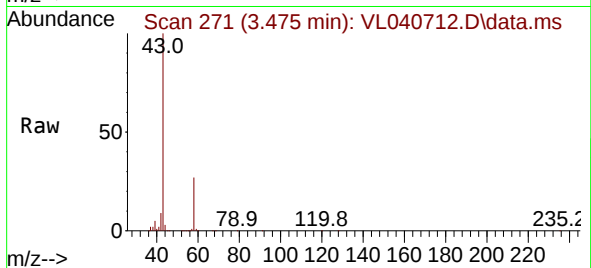
58 31.0 22.6 34.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023



#20

Methylene Chloride

Concen: 1.060 ppbv

RT: 3.944 min Scan# 417

Delta R.T. 0.007 min

Lab File: VL040712.D

Acq: 18 Sep 2023 23:42

Tgt Ion: 84 Resp: 80149

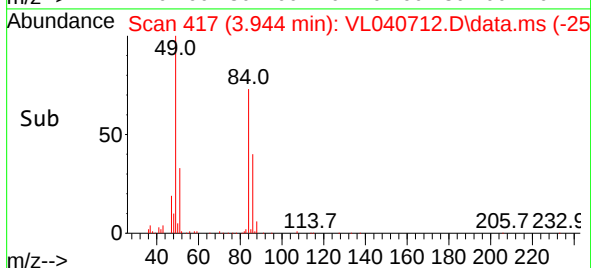
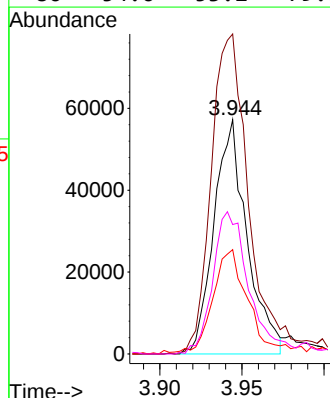
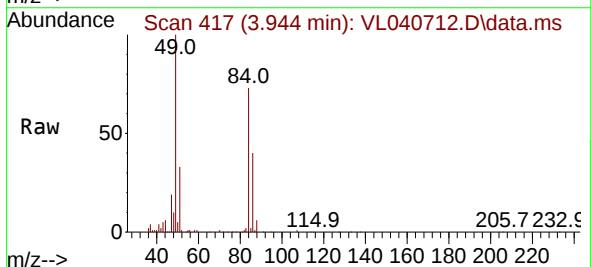
Ion Ratio Lower Upper

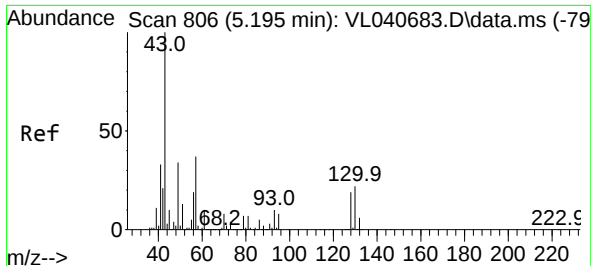
84 100

49 136.0 114.4 171.6

51 43.3 35.5 53.3

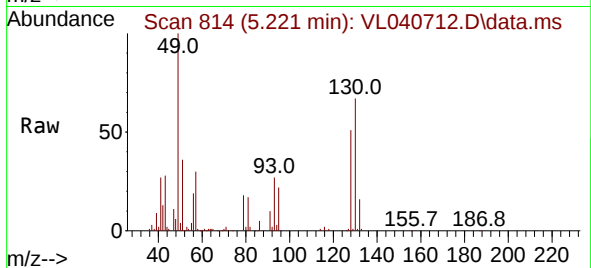
86 54.6 53.2 79.8





#25
Ethyl Acetate
Concen: 0.354 ppbv m
RT: 5.221 min Scan# 814
Delta R.T. 0.010 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

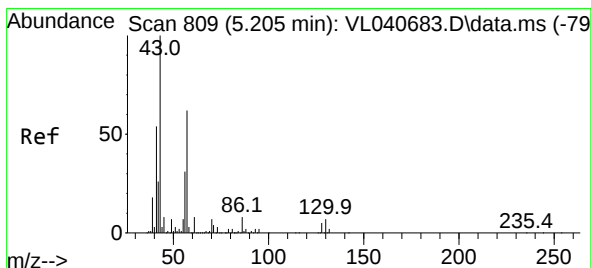
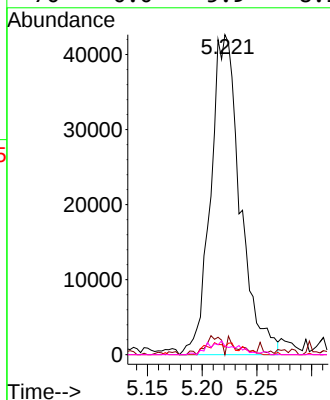
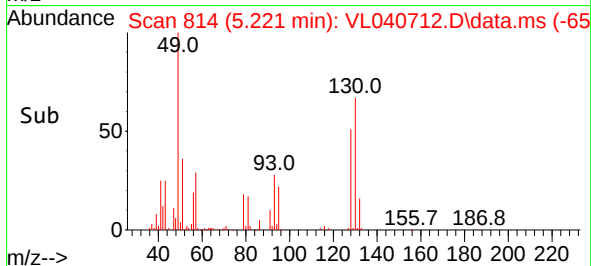
Instrument :
MSVOA_L
ClientSampleId :
OA1



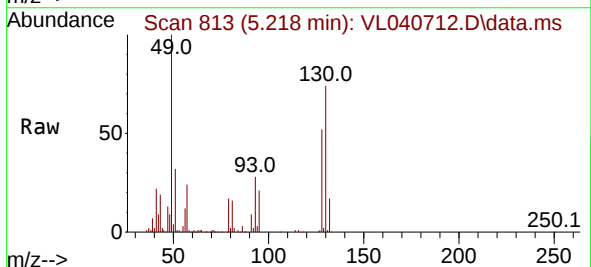
Tgt Ion: 43 Resp: 8030
Ion Ratio Lower Upper
43 100
45 5.2 8.2 12.4
61 4.1 8.2 12.4
70 0.0 5.9 8.9

Manual Integrations
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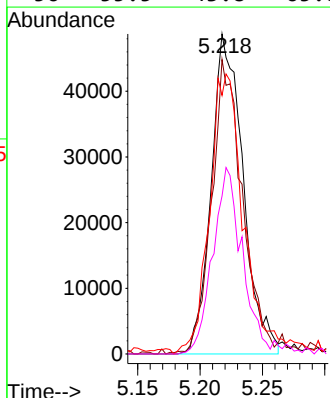
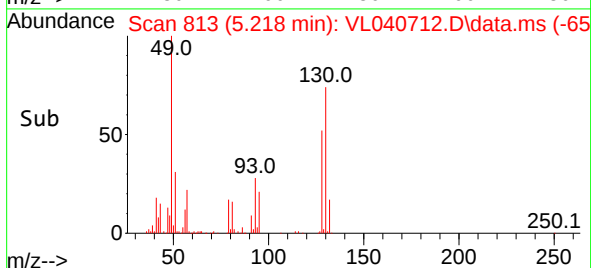
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

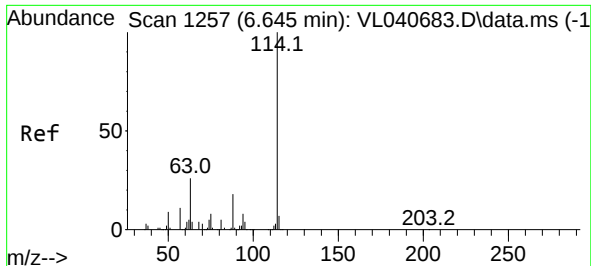


#26
Hexane
Concen: 0.808 ppbv
RT: 5.218 min Scan# 813
Delta R.T. -0.003 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42



Tgt Ion: 57 Resp: 86574
Ion Ratio Lower Upper
57 100
41 90.5 75.2 112.8
43 91.8 185.6 278.4
56 55.5 43.8 65.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL040712.D

Acq: 18 Sep 2023 23:42

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:114 Resp: 310002

Ion Ratio Lower Upper

114 100

63 24.5 21.1 31.7

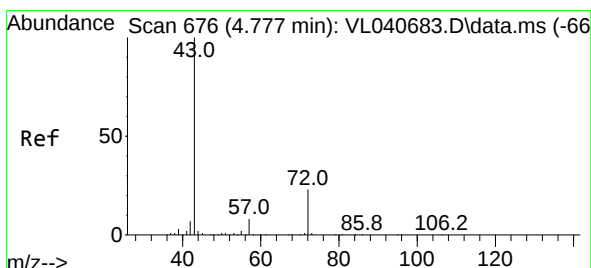
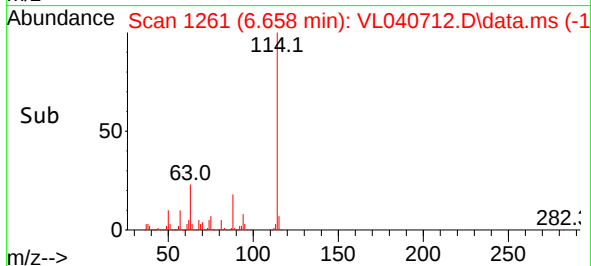
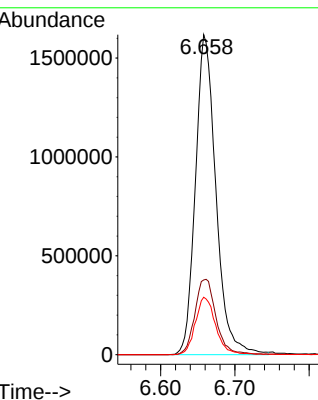
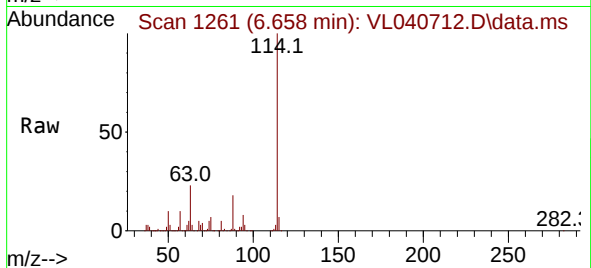
88 18.0 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023



#34

2-Butanone

Concen: 0.696 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.010 min

Lab File: VL040712.D

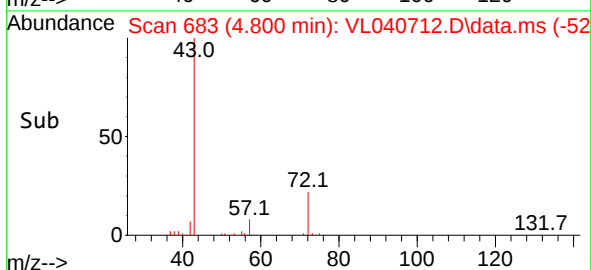
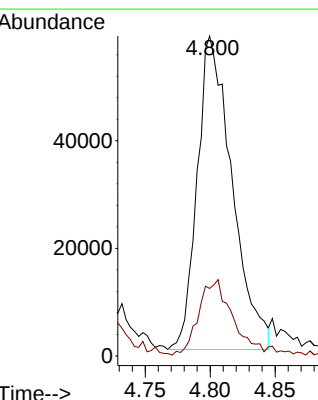
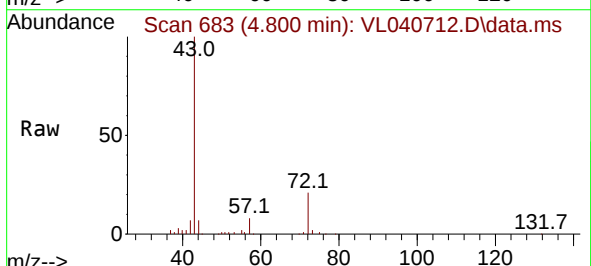
Acq: 18 Sep 2023 23:42

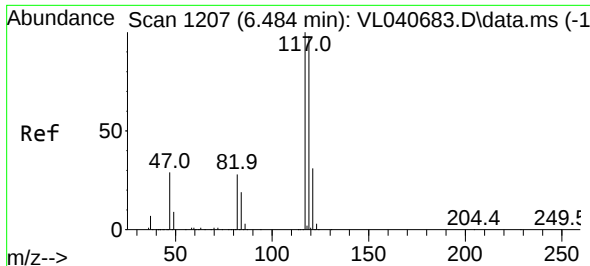
Tgt Ion: 43 Resp: 108536

Ion Ratio Lower Upper

43 100

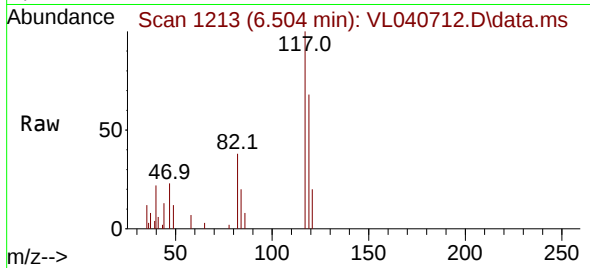
72 26.4 18.6 27.8





#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 6.504 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

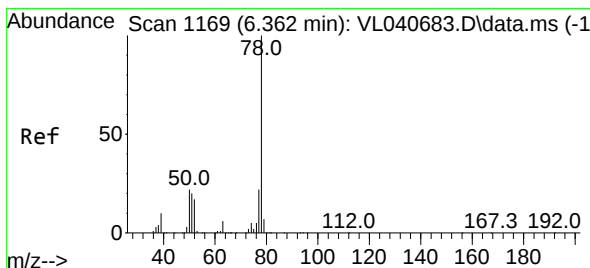
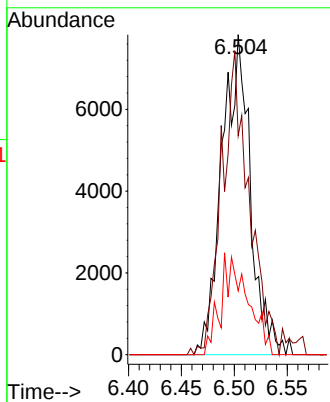
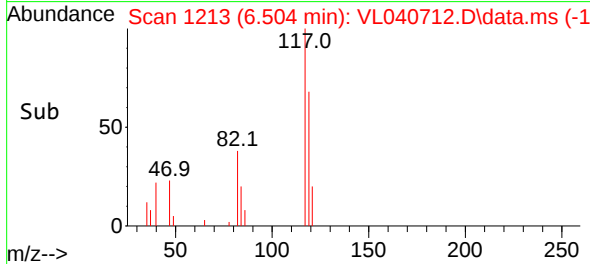
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 117 Resp: 1452
Ion Ratio Lower Upper
117 100
119 68.4 78.6 117.8
121 19.9 24.7 37.1

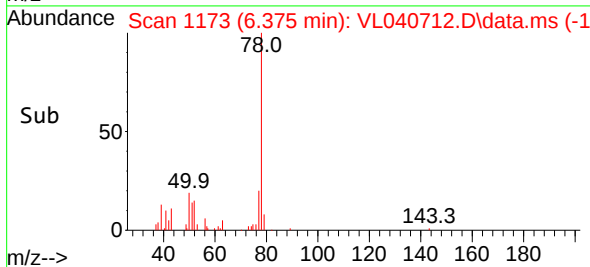
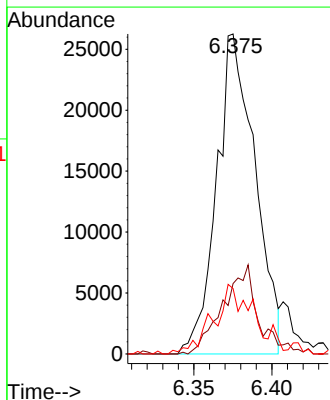
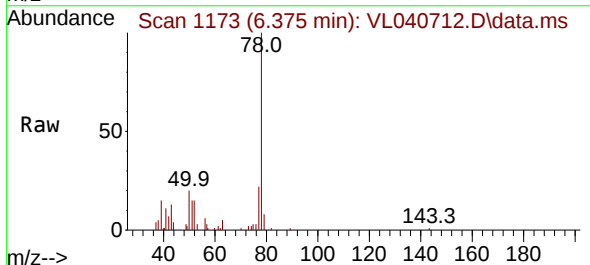
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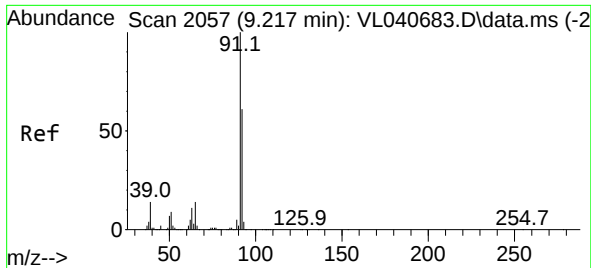
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#36
Benzene
Concen: 0.196 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

Tgt Ion: 78 Resp: 45097
Ion Ratio Lower Upper
78 100
77 22.0 17.9 26.9
50 19.1 17.3 25.9





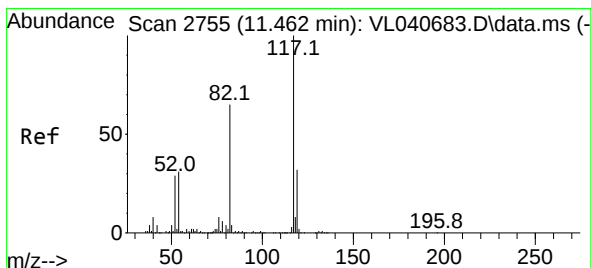
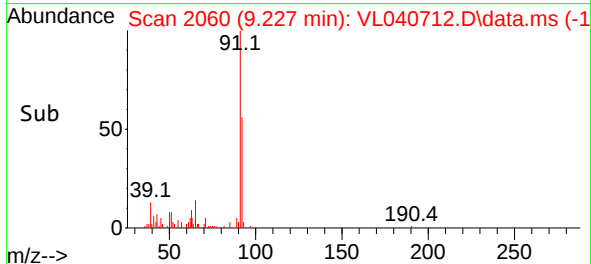
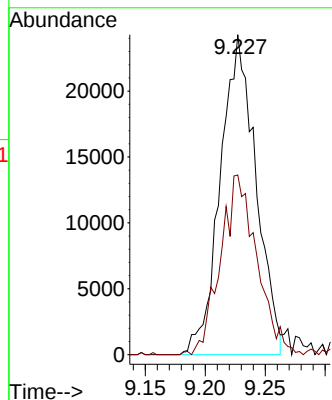
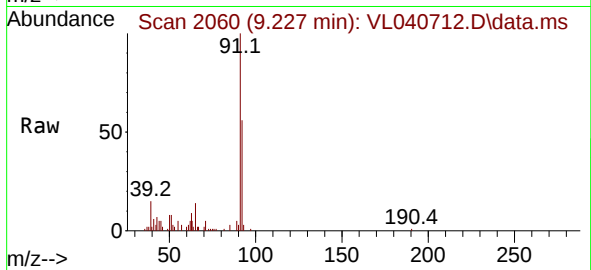
#53
Toluene
Concen: 0.206 ppbv
RT: 9.227 min Scan# 2057
Delta R.T. -0.003 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 5000
Ion Ratio Lower Upper
91 100
92 58.0 48.5 72.7

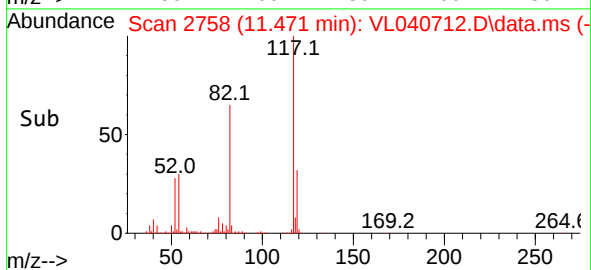
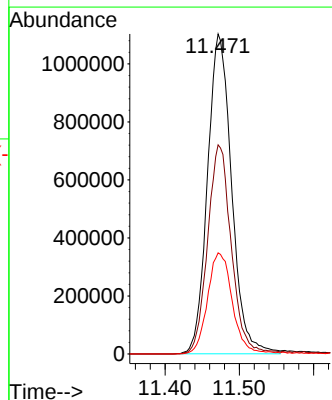
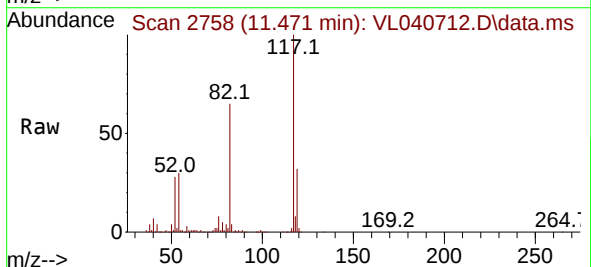
Manual Integrations
APPROVED

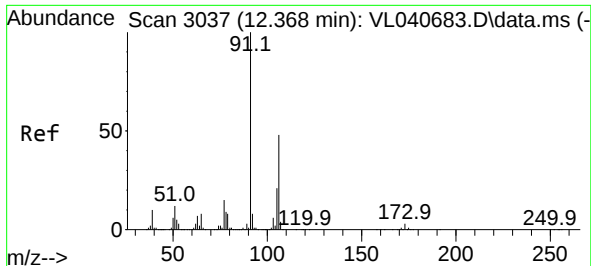
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. -0.006 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

Tgt Ion:117 Resp: 2486222
Ion Ratio Lower Upper
117 100
82 65.2 51.4 77.0
119 32.9 24.7 37.1





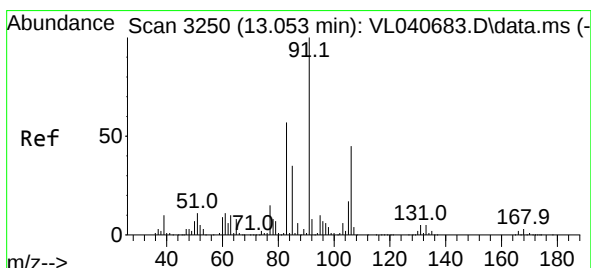
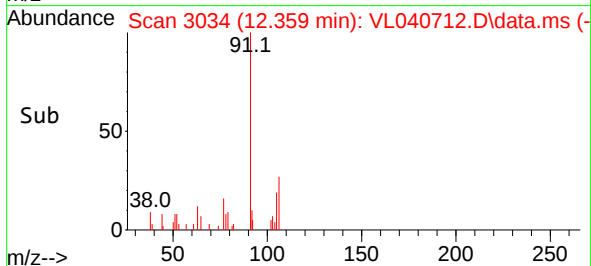
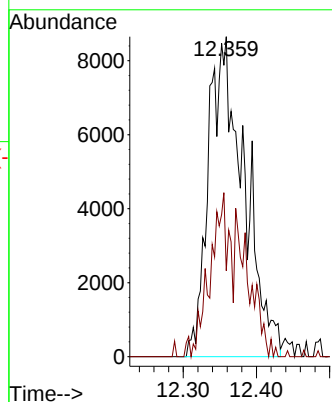
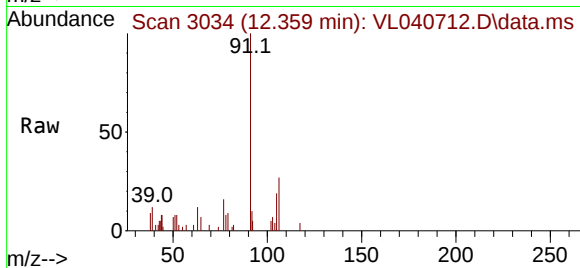
#59
m/p-Xylene
Concen: 0.109 ppbv m
RT: 12.359 min Scan# 3034
Delta R.T. -0.022 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 29109
Ion Ratio Lower Upper
91 100
106 0.0 34.8 52.2

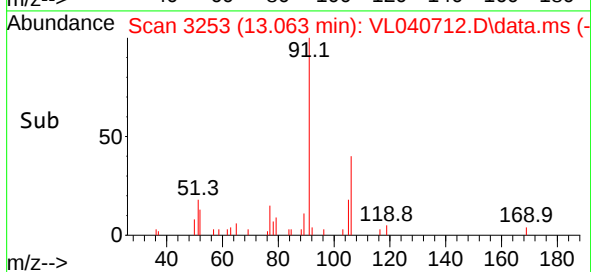
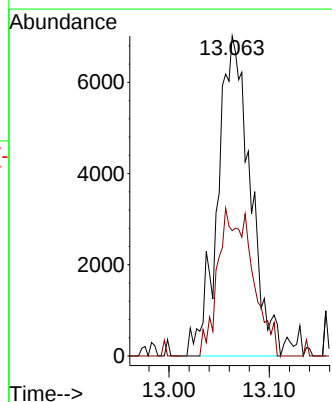
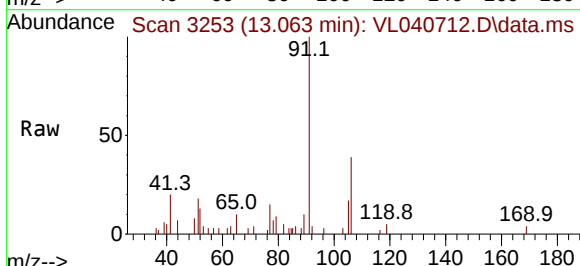
Manual Integrations
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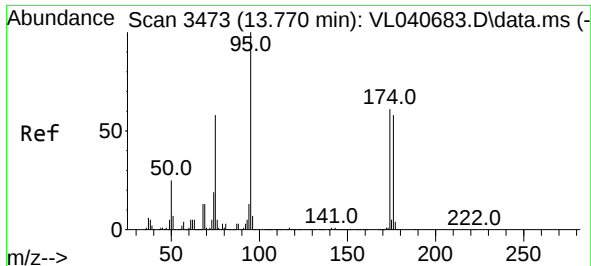
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#60
o-Xylene
Concen: 0.062 ppbv m
RT: 13.063 min Scan# 3253
Delta R.T. -0.006 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

Tgt Ion: 91 Resp: 15804
Ion Ratio Lower Upper
91 100
106 0.0 22.3 66.9





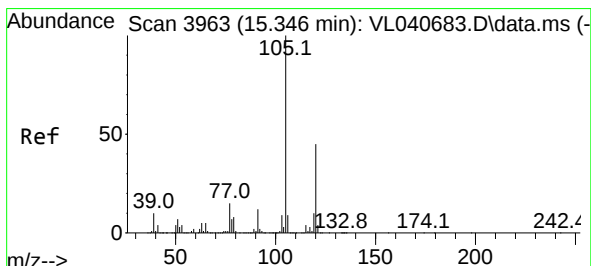
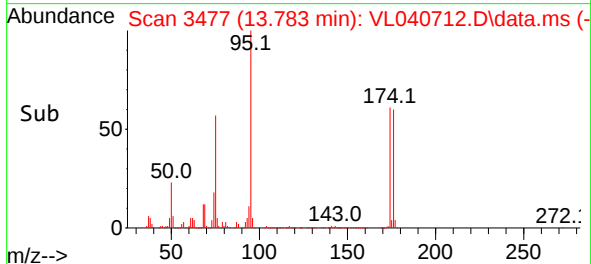
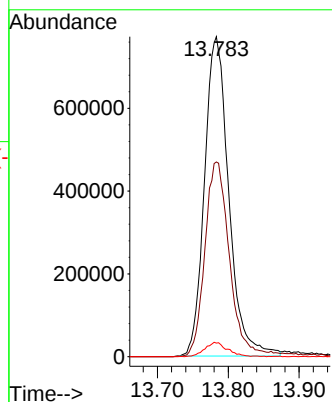
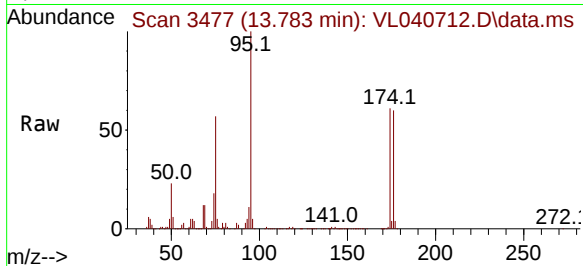
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.573 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. -0.003 min
 Lab File: VL040712.D
 Acq: 18 Sep 2023 23:42

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Tgt Ion: 95 Resp: 1838950
 Ion Ratio Lower Upper
 95 100
 174 63.4 48.9 73.3
 175 4.3 3.5 5.3

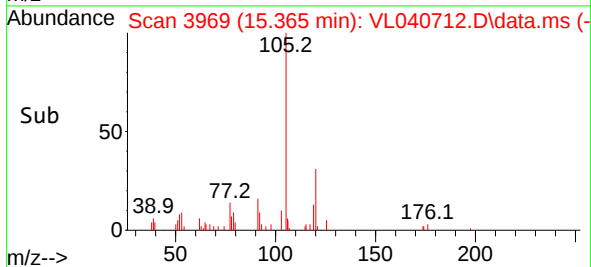
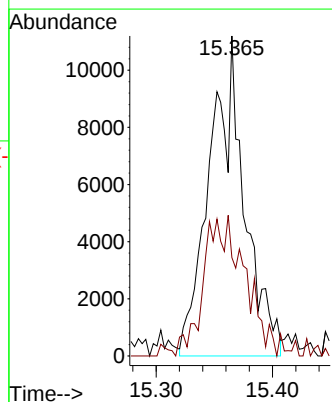
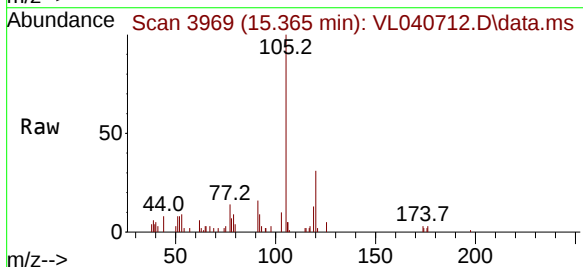
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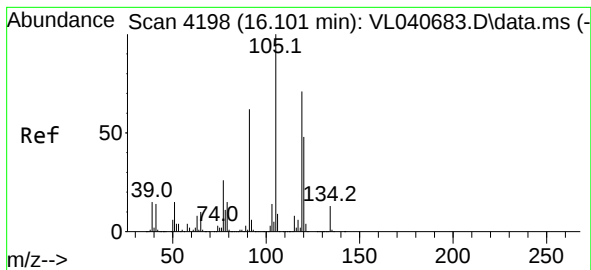
Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023



#73
 1,3,5-Trimethylbenzene
 Concen: 0.091 ppbv m
 RT: 15.365 min Scan# 3969
 Delta R.T. 0.003 min
 Lab File: VL040712.D
 Acq: 18 Sep 2023 23:42

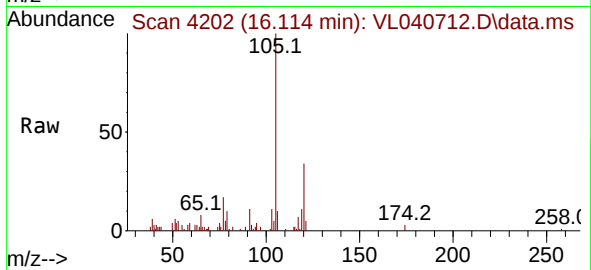
Tgt Ion:105 Resp: 23308
 Ion Ratio Lower Upper
 105 100
 120 30.8 36.1 54.1#





#74
1,2,4-Trimethylbenzene
Concen: 0.195 ppbv
RT: 16.114 min Scan# 4198
Delta R.T. -0.003 min
Lab File: VL040712.D
Acq: 18 Sep 2023 23:42

Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:105 Resp: 60799
Ion Ratio Lower Upper
105 100
120 32.9 38.6 57.8
91 9.8 50.0 75.0
77 18.0 20.6 31.0#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

