

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040341.D
 Acq On : 12 Apr 2023 16:28
 Operator : SY/MD
 Sample : 02311-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 05:39:04 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

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

QLast Update : Tue Apr 11 04:15:53 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	985290	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2517222	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2178799	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1728649	9.474	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	37090	0.192	ppbv	99
3) Chlorodifluoromethane	2.661	51	41115m	0.332	ppbv	
4) Chloromethane	2.803	50	37082	0.485	ppbv	100
9) Propene	2.697	41	88575m	1.866	ppbv	
11) Trichlorofluoromethane	3.552	101	34428m	0.197	ppbv	
13) Ethanol	3.227	45	613915	176.353	ppbv	100
15) Acetone	3.462	43	780168	6.504	ppbv	98
19) Isopropyl Alcohol	3.568	45	125826	2.190	ppbv #	1
20) Methylene Chloride	3.928	84	155018	3.072	ppbv	95
25) Ethyl Acetate	5.208	43	125024	0.557	ppbv #	91
26) Hexane	5.211	57	120025	1.302	ppbv #	48
30) Cyclohexane	6.606	84	9599m	0.132	ppbv	
34) 2-Butanone	4.790	43	53099	0.427	ppbv	96
35) Carbon Tetrachloride	6.491	117	11014m	0.070	ppbv	
36) Benzene	6.372	78	34031m	0.177	ppbv	
44) 2,2,4-Trimethylpentane	7.336	57	48541m	0.152	ppbv	
53) Toluene	9.233	91	76075m	0.378	ppbv	
59) m/p-Xylene	12.349	91	37957m	0.167	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	12990m	0.102	ppbv	

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

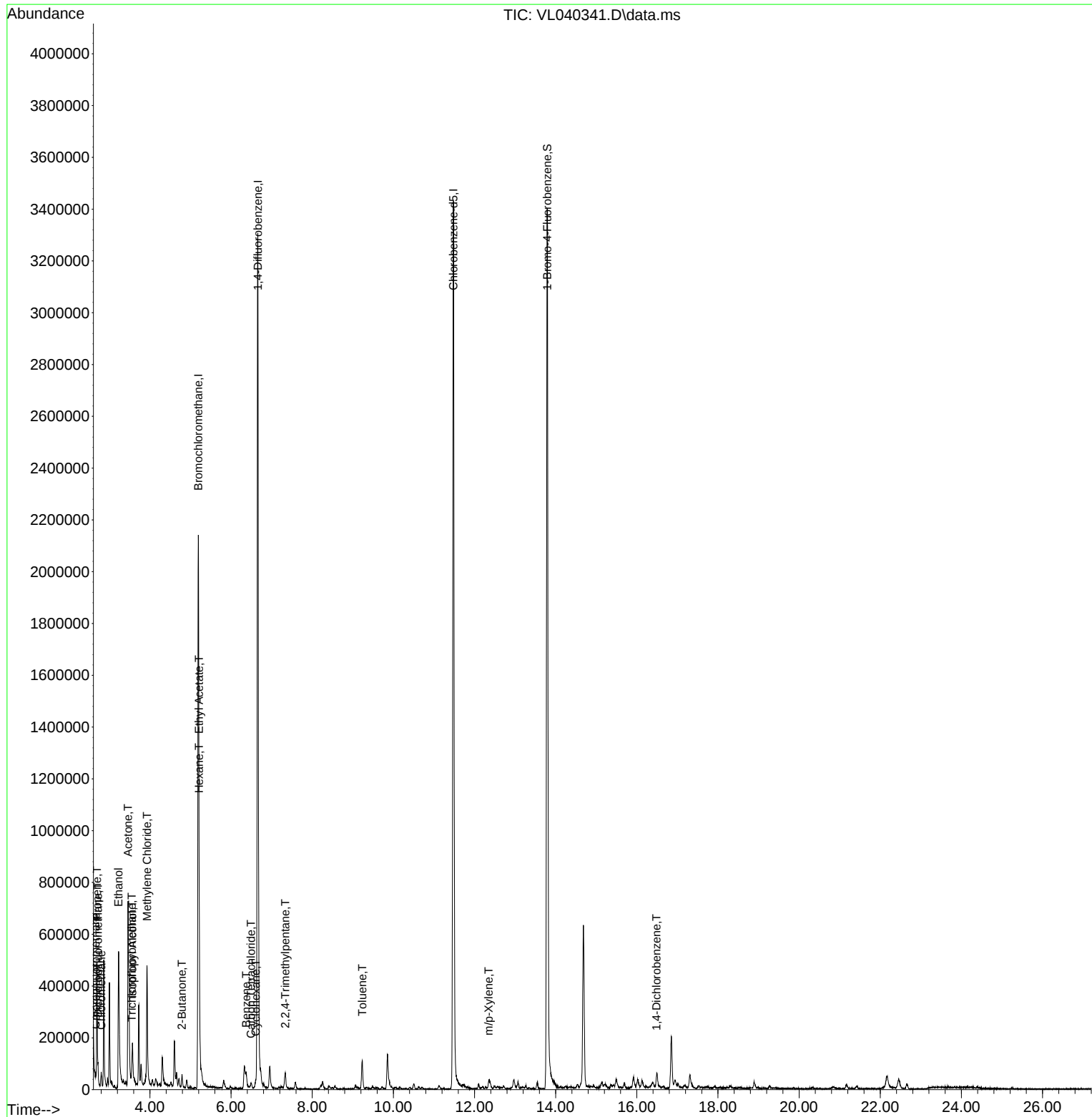
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
Data File : VL040341.D
Acq On : 12 Apr 2023 16:28
Operator : SY/MD
Sample : 02311-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

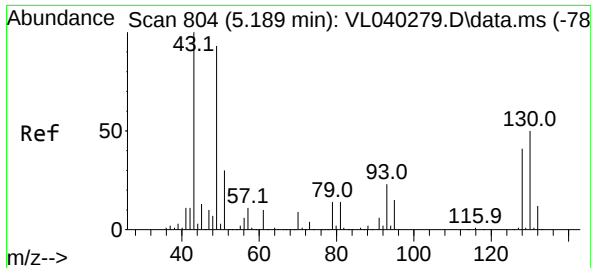
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Apr 13 05:39:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Apr 11 04:15:53 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

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Supervised By : Mahesh Dadoda 04/13/2023





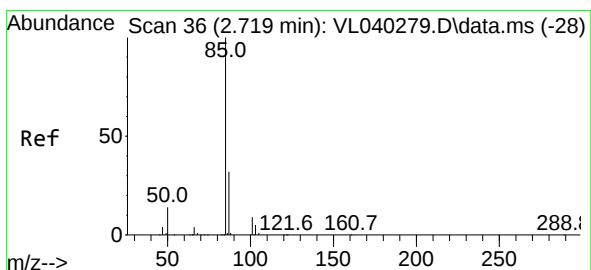
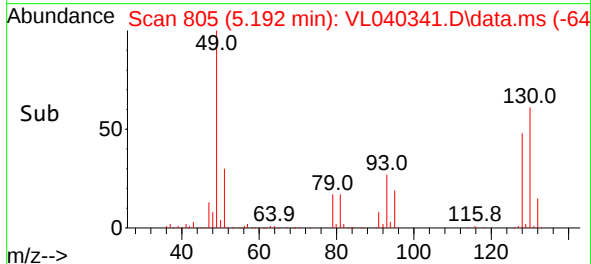
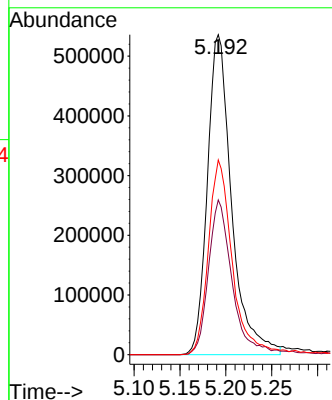
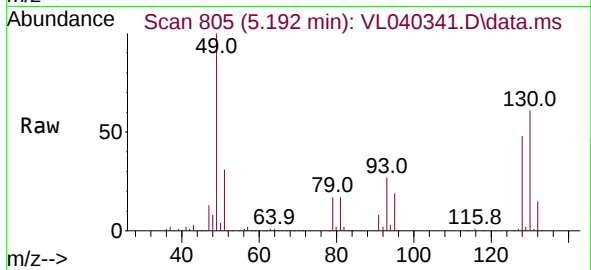
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 985290
Ion Ratio Lower Upper
49 100
128 48.3 22.4 67.3
130 61.9 28.7 86.1

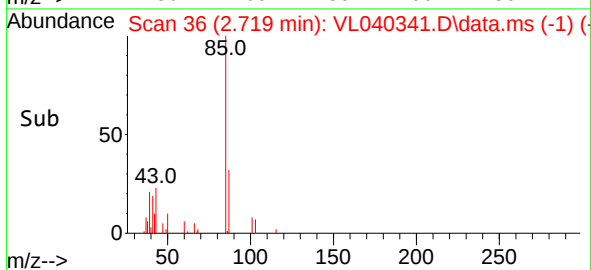
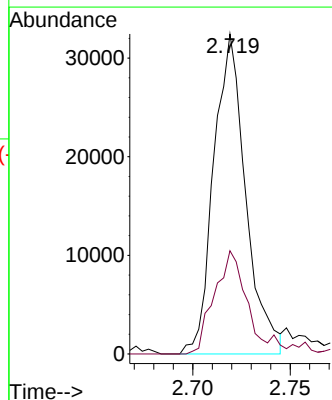
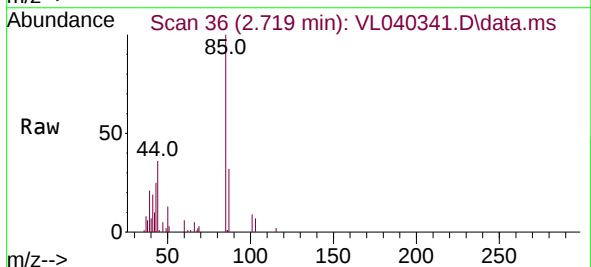
Manual Integrations
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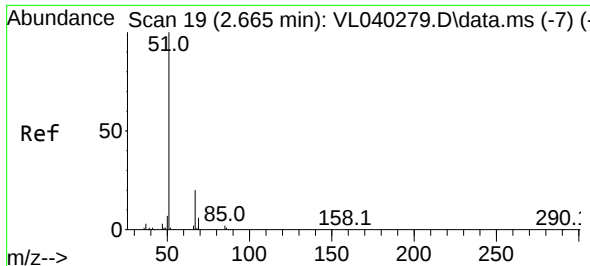
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#2
Dichlorodifluoromethane
Concen: 0.192 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

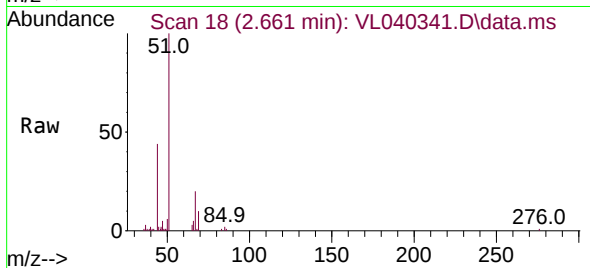
Tgt Ion: 85 Resp: 37090
Ion Ratio Lower Upper
85 100
87 32.2 25.5 38.3





#3
Chlorodifluoromethane
Concen: 0.332 ppbv m
RT: 2.661 min Scan# 18
Delta R.T. -0.004 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

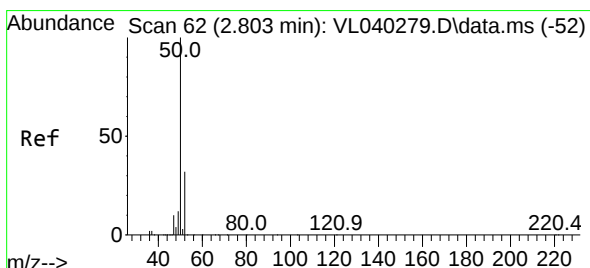
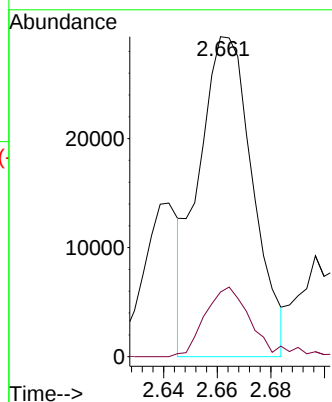
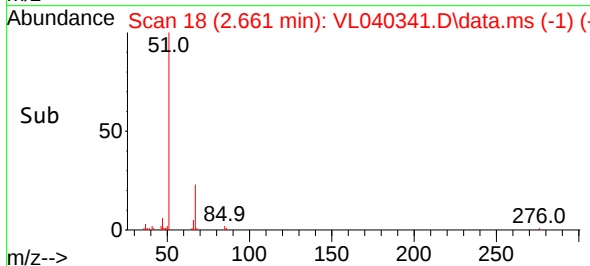
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 51 Resp: 4111
Ion Ratio Lower Upper
51 100
67 19.9 16.0 24.0

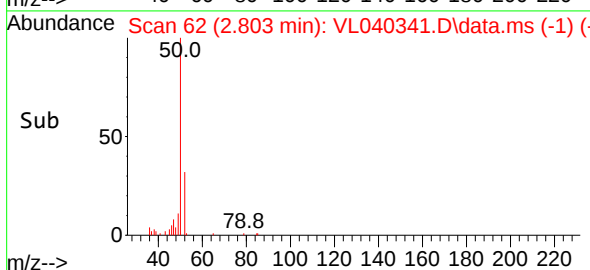
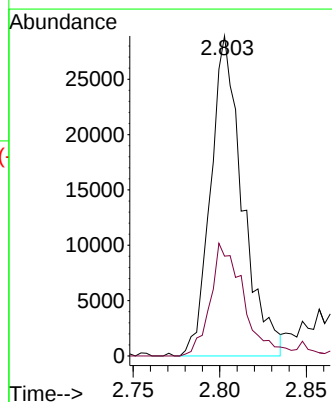
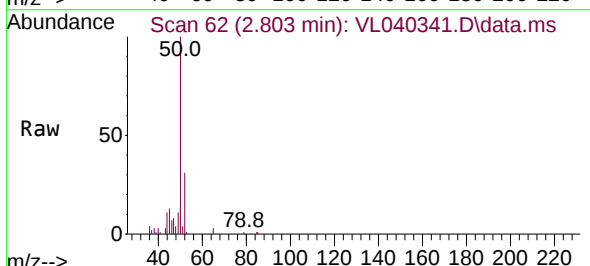
Manual Integrations
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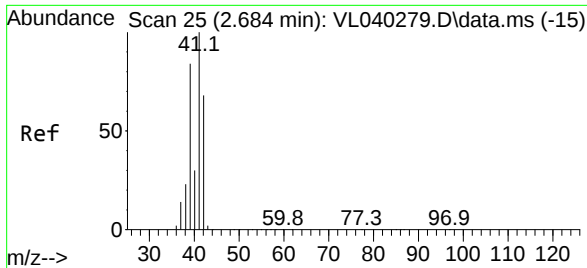
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#4
Chloromethane
Concen: 0.485 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.000 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

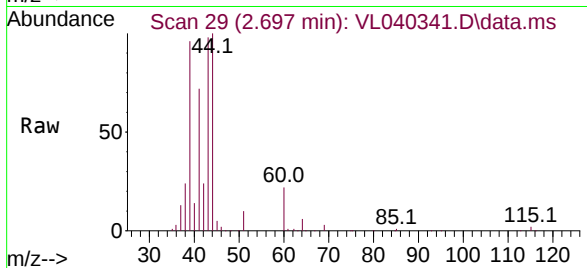
Tgt Ion: 50 Resp: 37082
Ion Ratio Lower Upper
50 100
52 32.2 25.9 38.9





#9
 Propene
 Concen: 1.866 ppbv m
 RT: 2.697 min Scan# 29
 Delta R.T. 0.013 min
 Lab File: VL040341.D
 Acq: 12 Apr 2023 16:28

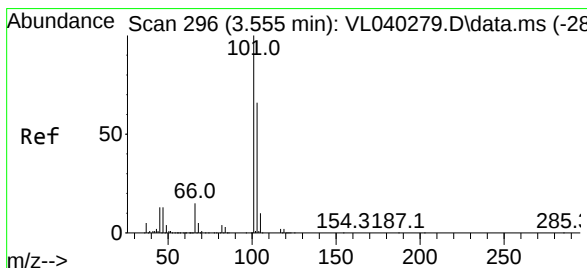
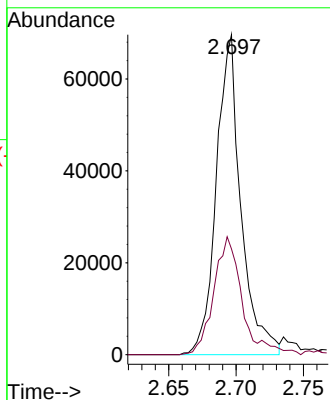
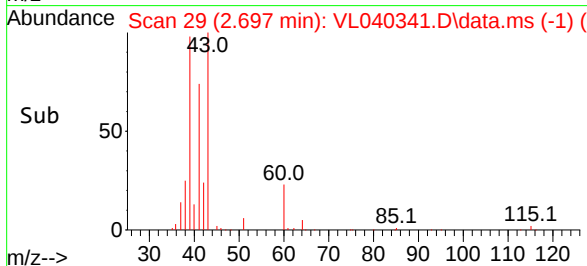
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



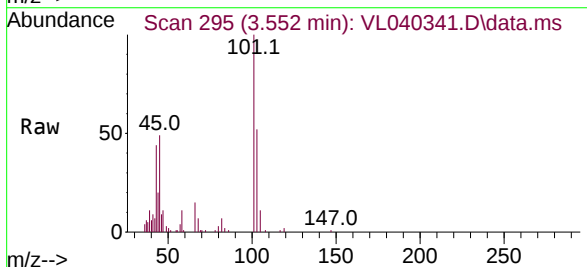
Tgt Ion: 41 Resp: 88579
 Ion Ratio Lower Upper
 41 100
 42 99.2 59.0 88.4

Manual Integrations
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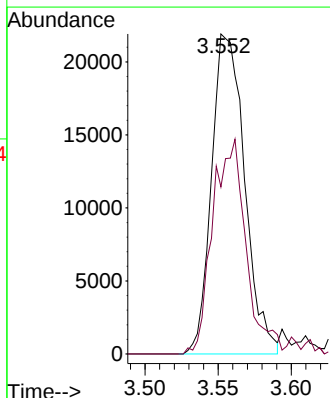
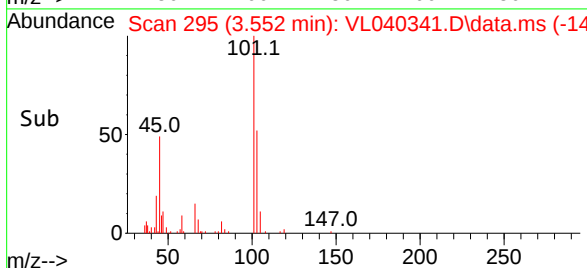
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

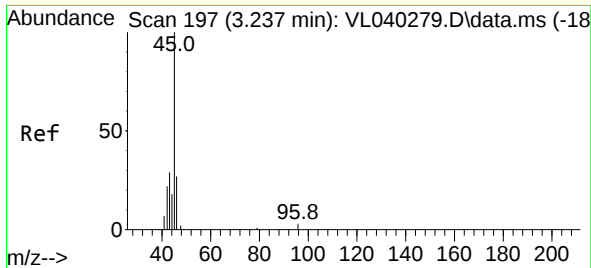


#11
 Trichlorofluoromethane
 Concen: 0.197 ppbv m
 RT: 3.552 min Scan# 295
 Delta R.T. -0.003 min
 Lab File: VL040341.D
 Acq: 12 Apr 2023 16:28



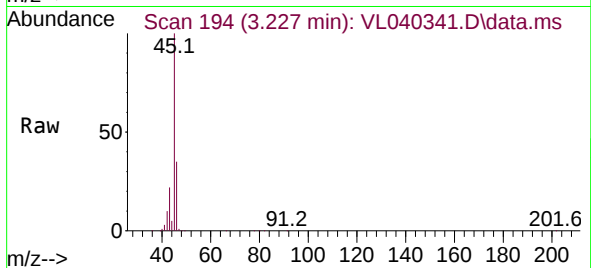
Tgt Ion:101 Resp: 34428
 Ion Ratio Lower Upper
 101 100
 103 52.2 53.1 79.7





#13
Ethanol
Concen: 176.353 ppbv
RT: 3.227 min Scan# 197
Delta R.T. -0.010 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

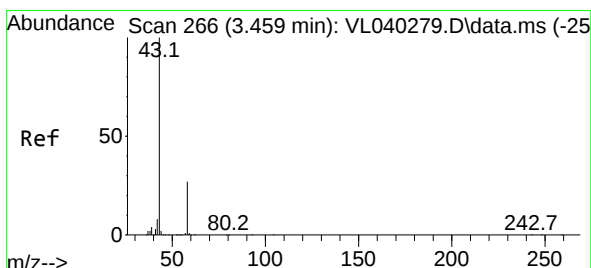
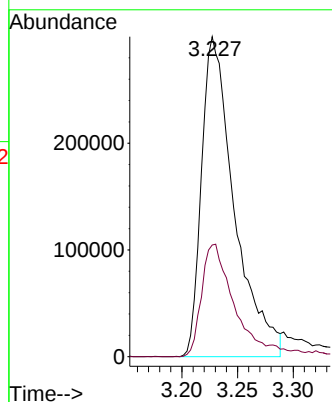
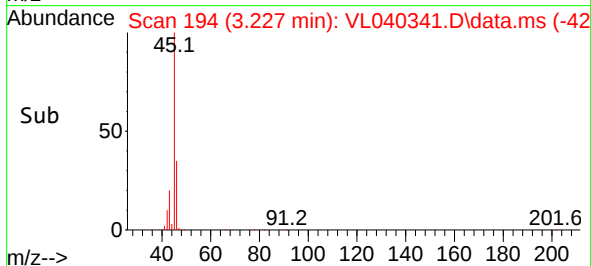
Instrument :
MSVOA_L
ClientSampleId :
IA1



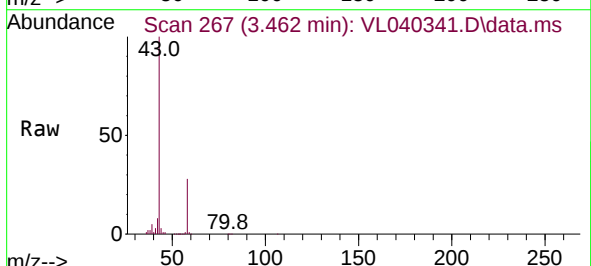
Tgt Ion: 45 Resp: 613915
Ion Ratio Lower Upper
45 100
46 37.7 15.0 60.2

Manual Integrations
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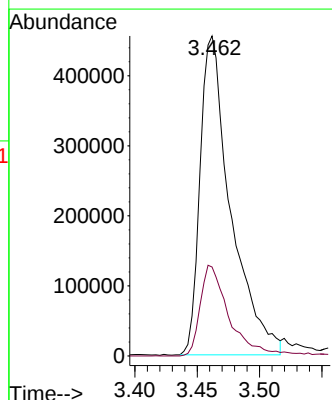
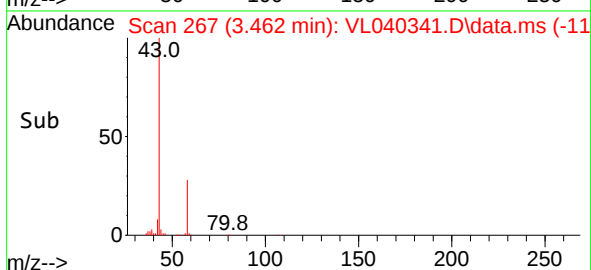
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

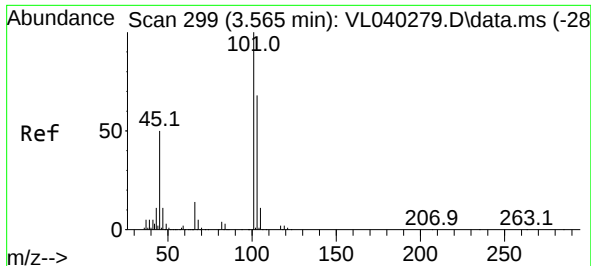


#15
Acetone
Concen: 6.504 ppbv
RT: 3.462 min Scan# 267
Delta R.T. 0.003 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28



Tgt Ion: 43 Resp: 780168
Ion Ratio Lower Upper
43 100
58 28.5 21.8 32.8





#19

Isopropyl Alcohol

Concen: 2.190 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.003 min

Lab File: VL040341.D

Acq: 12 Apr 2023 16:28

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 45 Resp: 125820

Ion Ratio Lower Upper

45 100

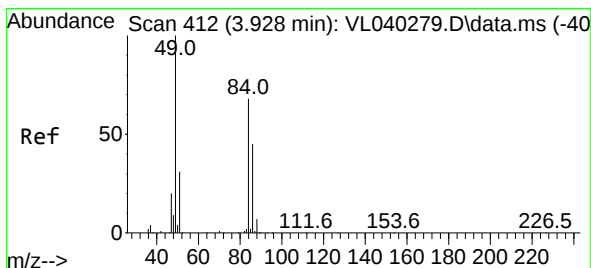
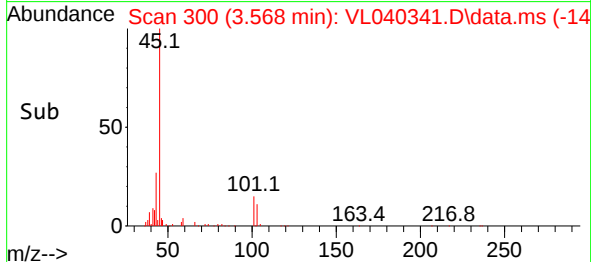
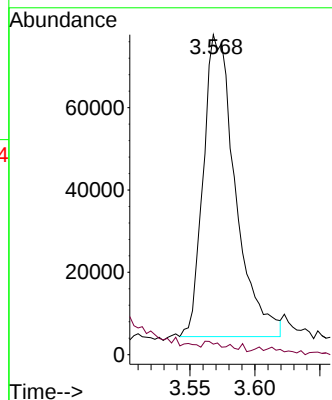
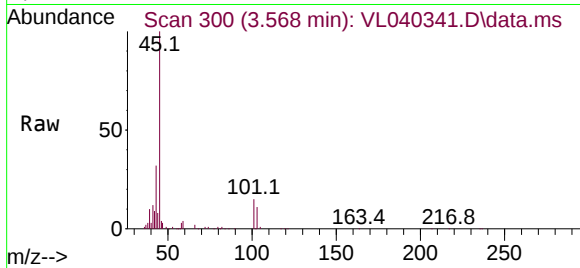
58 176.8 2.7 4.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#20

Methylene Chloride

Concen: 3.072 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL040341.D

Acq: 12 Apr 2023 16:28

Tgt Ion: 84 Resp: 155018

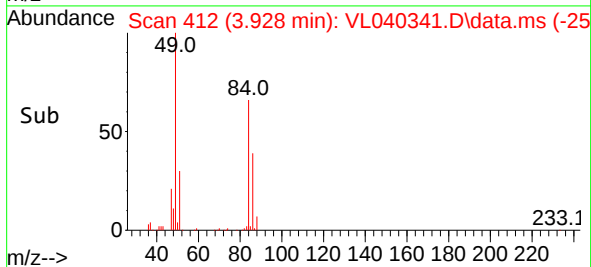
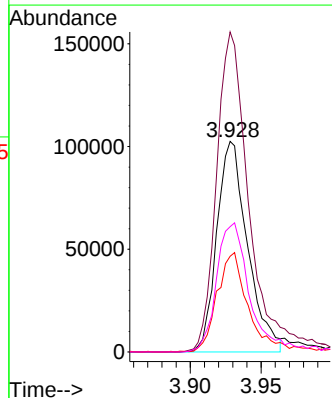
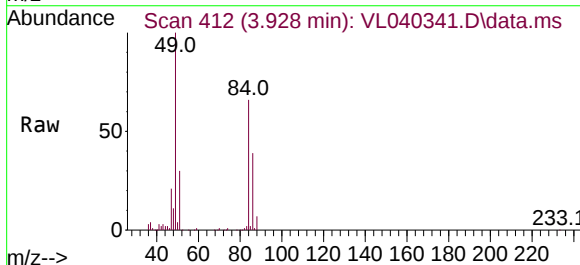
Ion Ratio Lower Upper

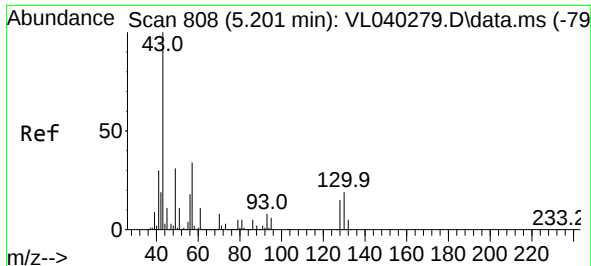
84 100

49 152.0 117.5 176.3

51 45.1 36.9 55.3

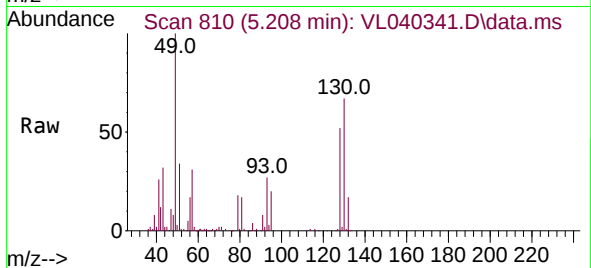
86 59.5 53.3 79.9





#25
Ethyl Acetate
Concen: 0.557 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.007 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

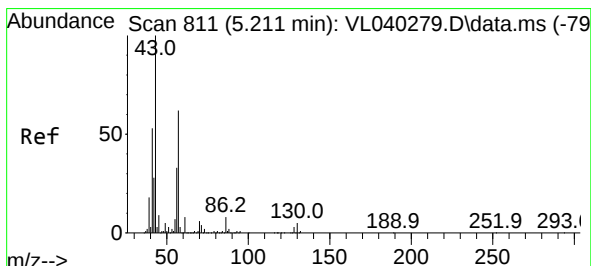
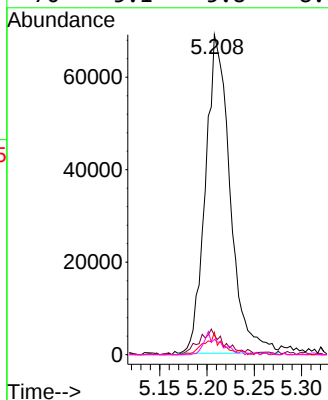
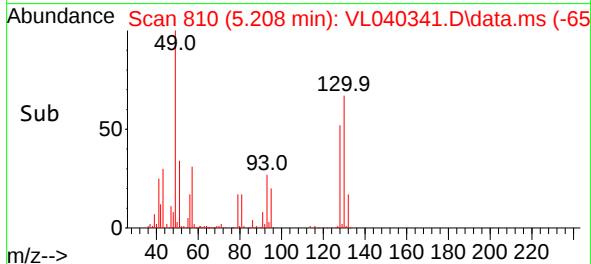
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 125024
Ion Ratio Lower Upper
43 100
45 8.6 8.6 12.8
61 5.3 8.4 12.6
70 5.1 5.8 8.6#

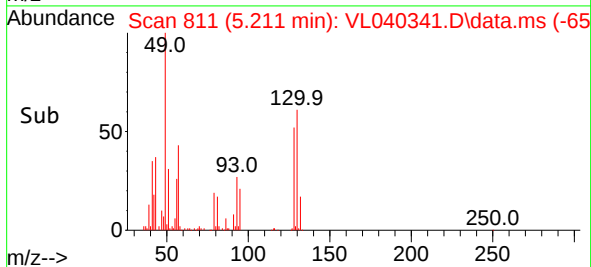
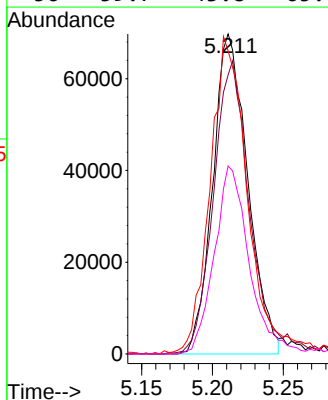
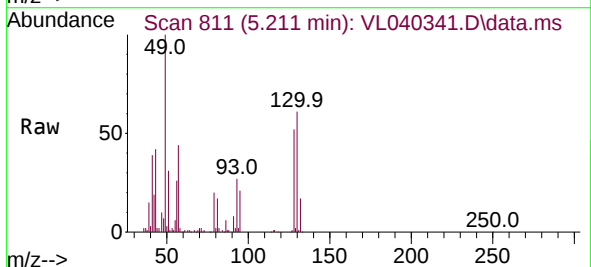
Manual Integrations
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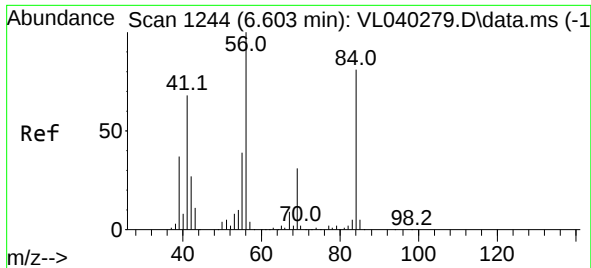
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#26
Hexane
Concen: 1.302 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.000 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

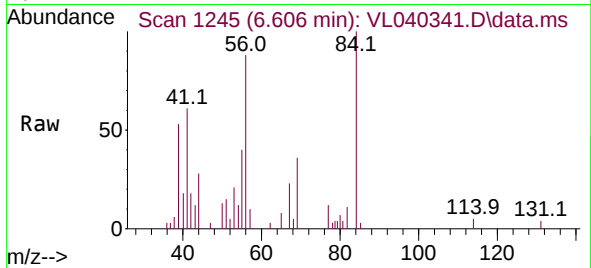
Tgt Ion: 57 Resp: 120025
Ion Ratio Lower Upper
57 100
41 97.0 73.5 110.3
43 109.4 196.3 294.5#
56 59.7 43.8 65.8





#30
Cyclohexane
Concen: 0.132 ppbv m
RT: 6.606 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

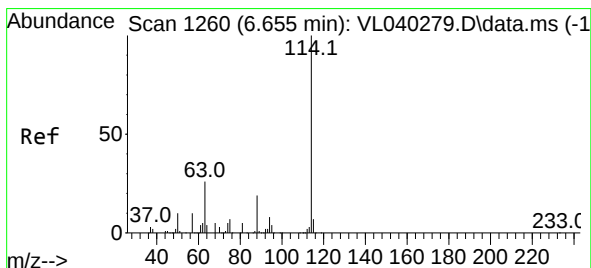
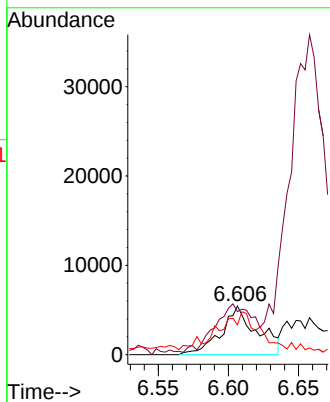
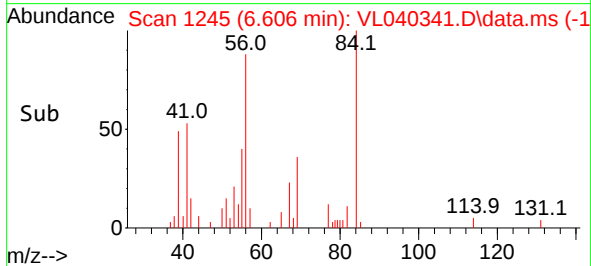
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 84 Resp: 959
Ion Ratio Lower Upper
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56 0.0 109.0 163.4
41 135.2 67.9 101.9

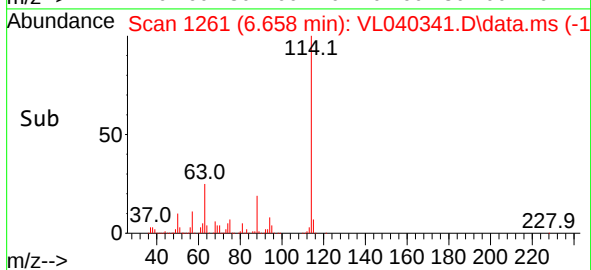
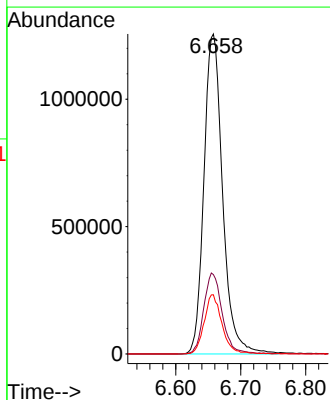
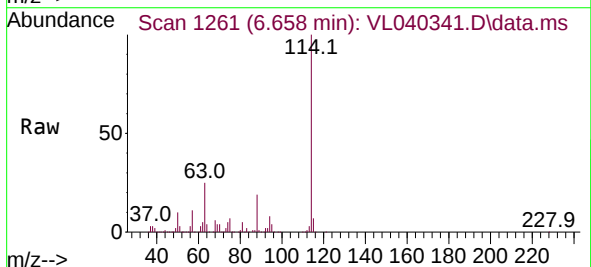
Manual Integrations
APPROVED

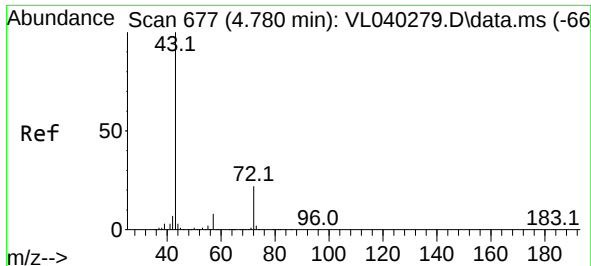
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

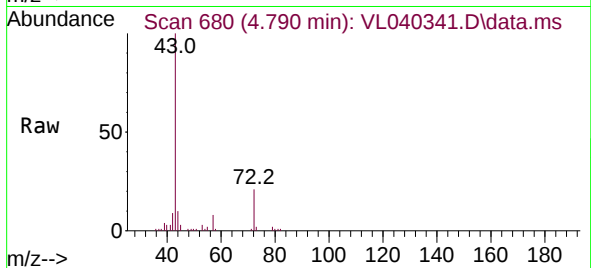
Tgt Ion:114 Resp: 2517222
Ion Ratio Lower Upper
114 100
63 25.2 21.2 31.8
88 17.7 14.5 21.7





#34
2-Butanone
Concen: 0.427 ppbv
RT: 4.790 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

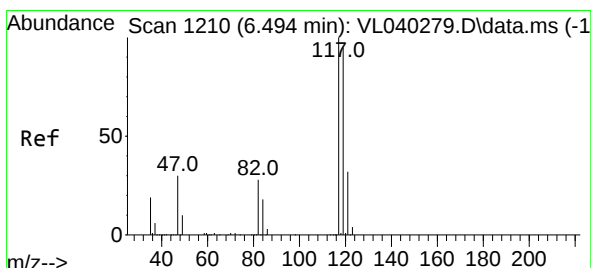
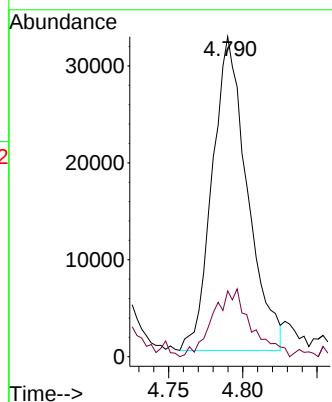
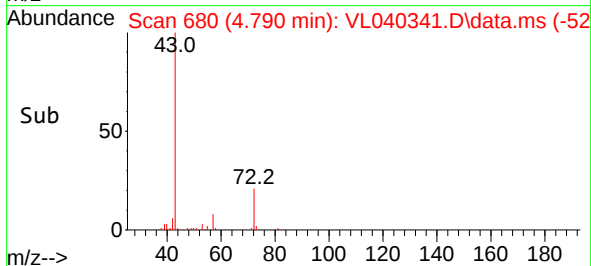
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 53099
Ion Ratio Lower Upper
43 100
72 25.1 18.3 27.5

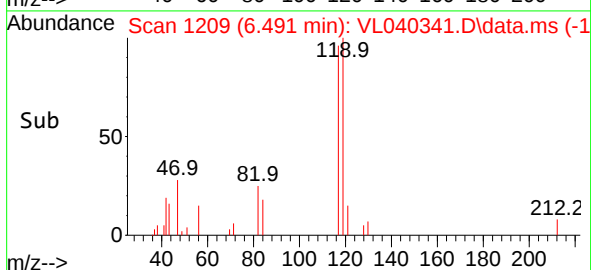
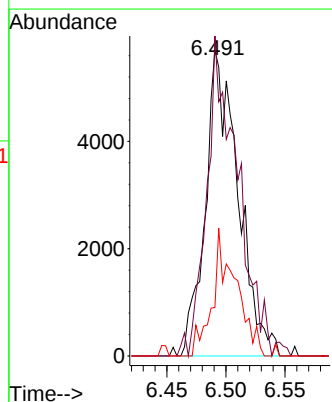
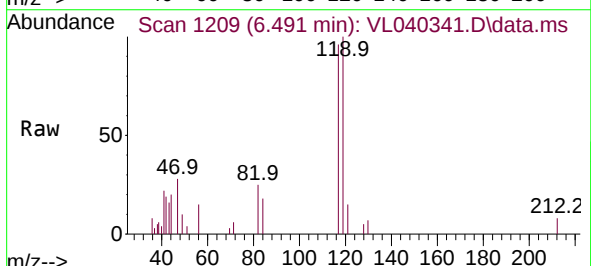
Manual Integrations
APPROVED

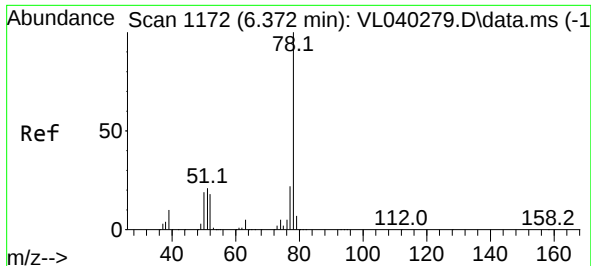
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 6.491 min Scan# 1209
Delta R.T. -0.003 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

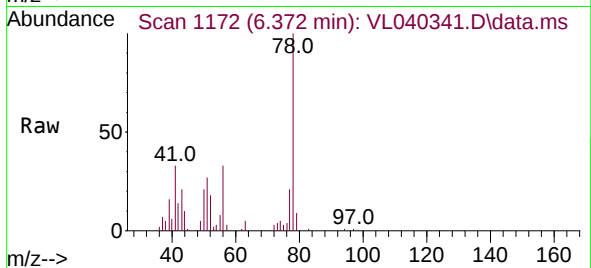
Tgt Ion:117 Resp: 11014
Ion Ratio Lower Upper
117 100
119 104.6 76.4 114.6
121 15.9 25.6 38.4#





#36
Benzene
Concen: 0.177 ppbv m
RT: 6.372 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

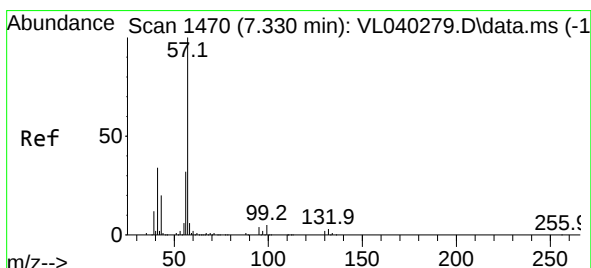
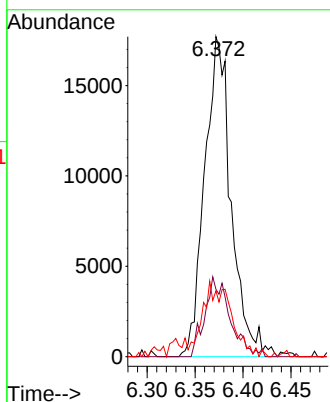
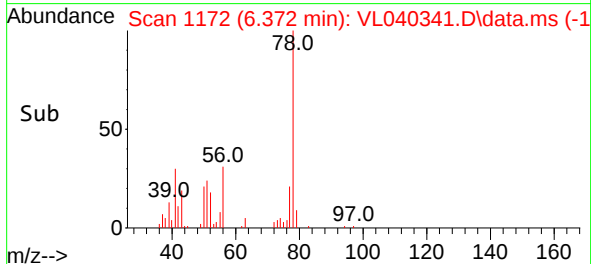
Instrument :
MSVOA_L
ClientSampleId :
IA1



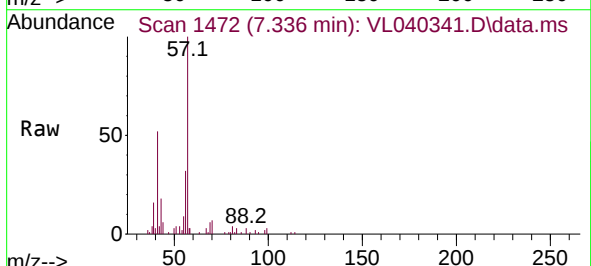
Tgt Ion: 78 Resp: 3403
Ion Ratio Lower Upper
78 100
77 21.1 17.8 26.8
50 20.6 15.4 23.2

Manual Integrations
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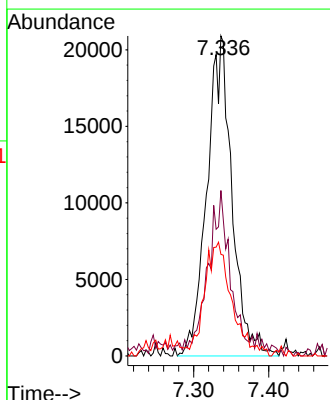
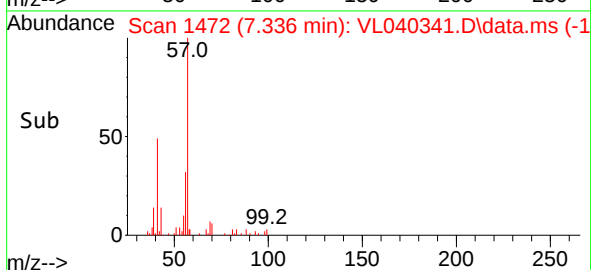
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

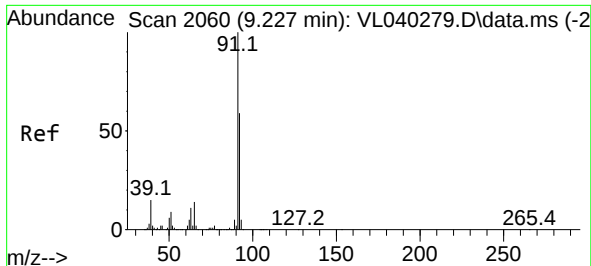


#44
2,2,4-Trimethylpentane
Concen: 0.152 ppbv m
RT: 7.336 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28



Tgt Ion: 57 Resp: 48541
Ion Ratio Lower Upper
57 100
41 48.0 26.8 40.2#
56 40.9 25.0 37.6#





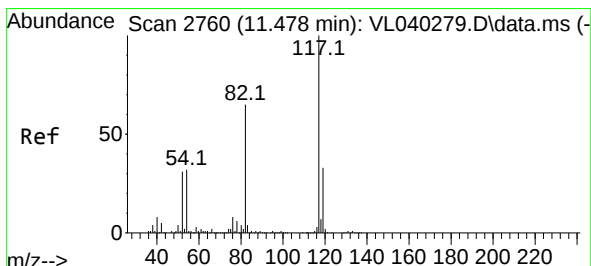
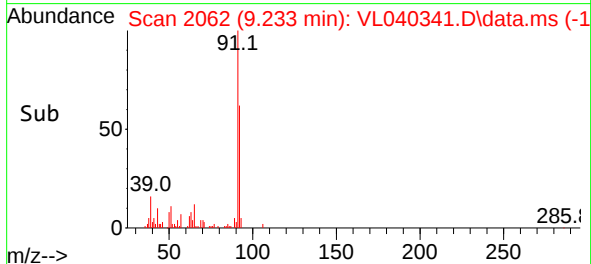
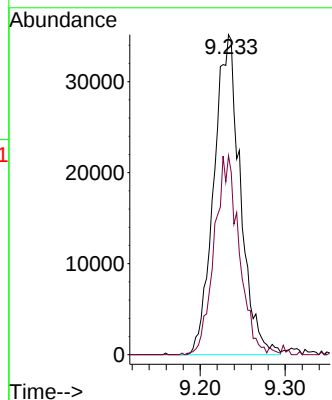
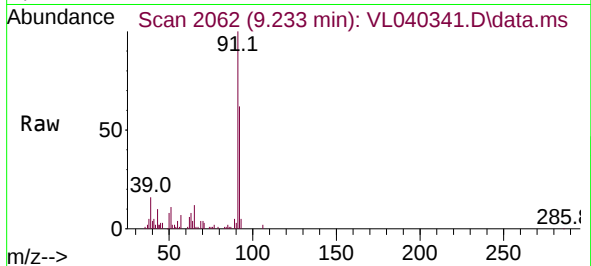
#53
Toluene
Concen: 0.378 ppbv m
RT: 9.233 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 7607
Ion Ratio Lower Upper
91 100
92 59.6 48.0 72.0

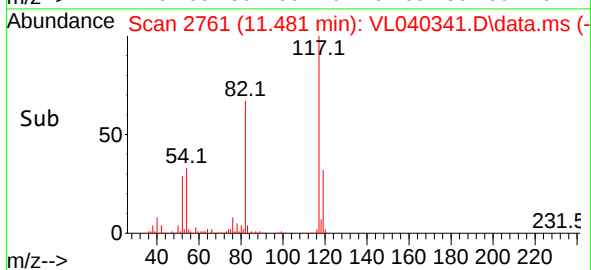
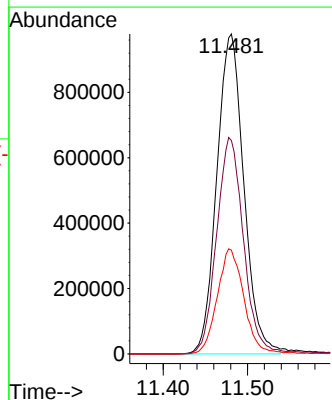
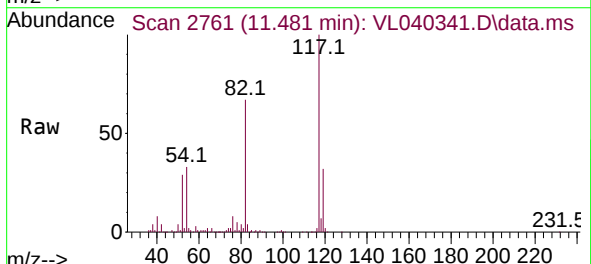
Manual Integrations
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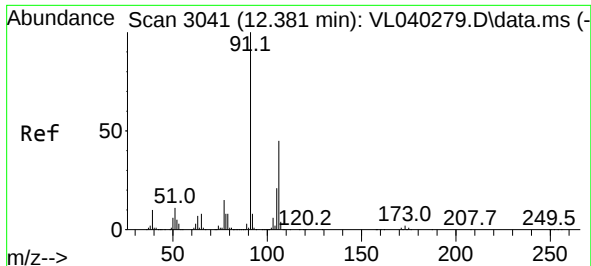
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.003 min
Lab File: VL040341.D
Acq: 12 Apr 2023 16:28

Tgt Ion:117 Resp: 2178799
Ion Ratio Lower Upper
117 100
82 68.0 51.4 77.2
119 32.7 24.0 36.0





#59

m/p-Xylene

Concen: 0.167 ppbv m

RT: 12.349 min Scan# 3041

Delta R.T. -0.032 min

Lab File: VL040341.D

Acq: 12 Apr 2023 16:28

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 3795

Ion Ratio Lower Upper

91 100

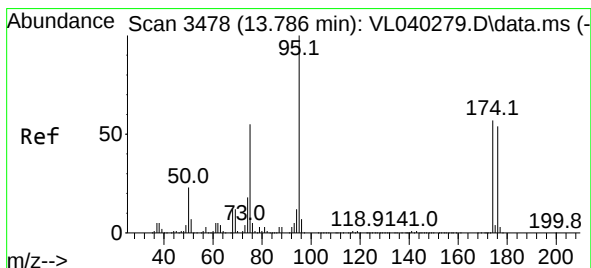
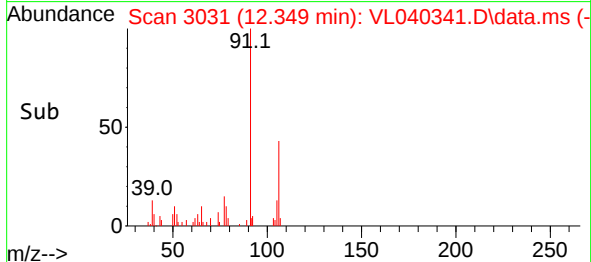
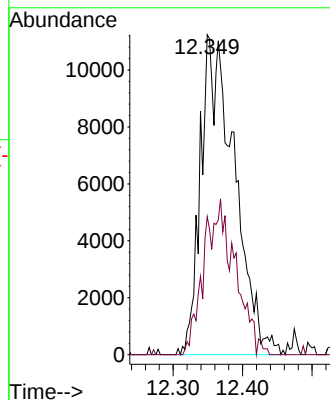
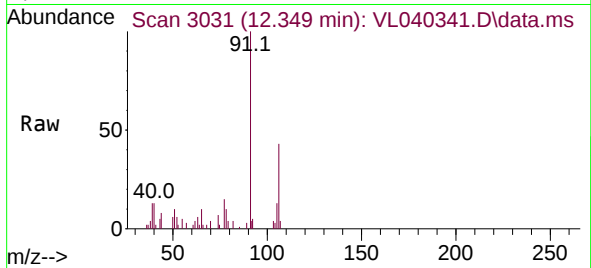
106 0.0 34.0 51.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.474 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. 0.007 min

Lab File: VL040341.D

Acq: 12 Apr 2023 16:28

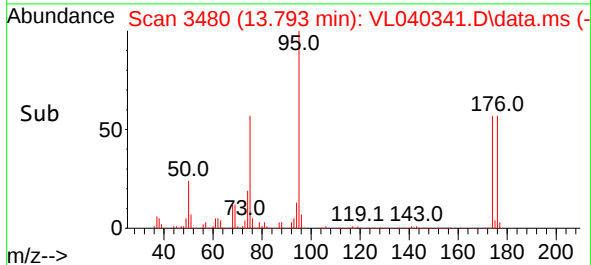
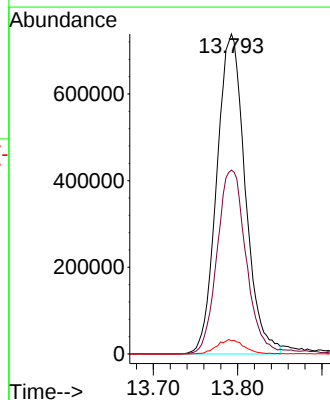
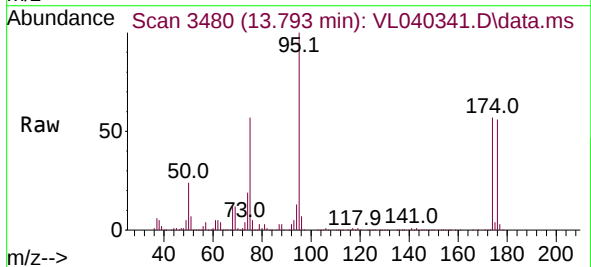
Tgt Ion: 95 Resp: 1728649

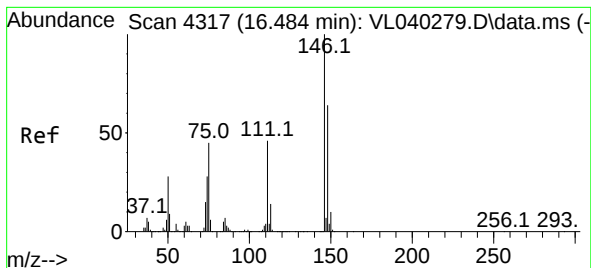
Ion Ratio Lower Upper

95 100

174 60.7 47.0 70.6

175 4.3 3.4 5.2





#76

1,4-Dichlorobenzene

Concen: 0.102 ppbv m

RT: 16.487 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040341.D

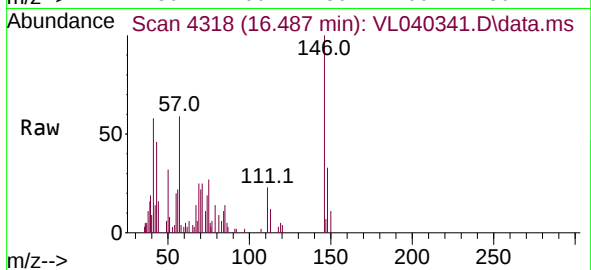
Acq: 12 Apr 2023 16:28

Instrument :

MSVOA_L

ClientSampleId :

IA1



Tgt Ion:	146	Resp:	12990
Ion Ratio	Lower	Upper	
146	100		
111	0.0	23.8	71.2
148	0.0	32.5	97.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

