

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
 Data File : VL040422.D
 Acq On : 12 May 2023 17:29
 Operator : SY/MD
 Sample : 02785-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023
 Supervised By :Mahesh Dadoda 05/16/2023

Quant Time: May 15 00:43:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1065623	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2655405	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2271000	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1796731	9.567	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	47993	0.250	ppbv	99
3) Chlorodifluoromethane	2.655	51	50029m	0.359	ppbv	
4) Chloromethane	2.797	50	38742	0.440	ppbv	95
9) Propene	2.681	41	85911m	1.562	ppbv	
10) Heptane	7.578	43	21139	0.169	ppbv	90
11) Trichlorofluoromethane	3.546	101	38988	0.200	ppbv	94
13) Ethanol	3.218	45	435388	94.806	ppbv	98
15) Acetone	3.449	43	903616m	5.987	ppbv	
19) Isopropyl Alcohol	3.559	45	1041315	15.120	ppbv #	96
20) Methylene Chloride	3.915	84	1974090	32.761	ppbv	99
26) Hexane	5.202	57	1715482	16.023	ppbv #	36
30) Cyclohexane	6.594	84	17998m	0.217	ppbv	
34) 2-Butanone	4.777	43	83078	0.580	ppbv	96
35) Carbon Tetrachloride	6.484	117	10863m	0.058	ppbv	
36) Benzene	6.362	78	71333	0.329	ppbv	94
44) 2,2,4-Trimethylpentane	7.324	57	100392m	0.277	ppbv	
52) Tetrachloroethene	10.619	164	3242m	0.048	ppbv	
53) Toluene	9.221	91	150988	0.657	ppbv	98
59) m/p-Xylene	12.352	91	62189m	0.242	ppbv	
74) 1,2,4-Trimethylbenzene	16.121	105	34780m	0.121	ppbv	

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

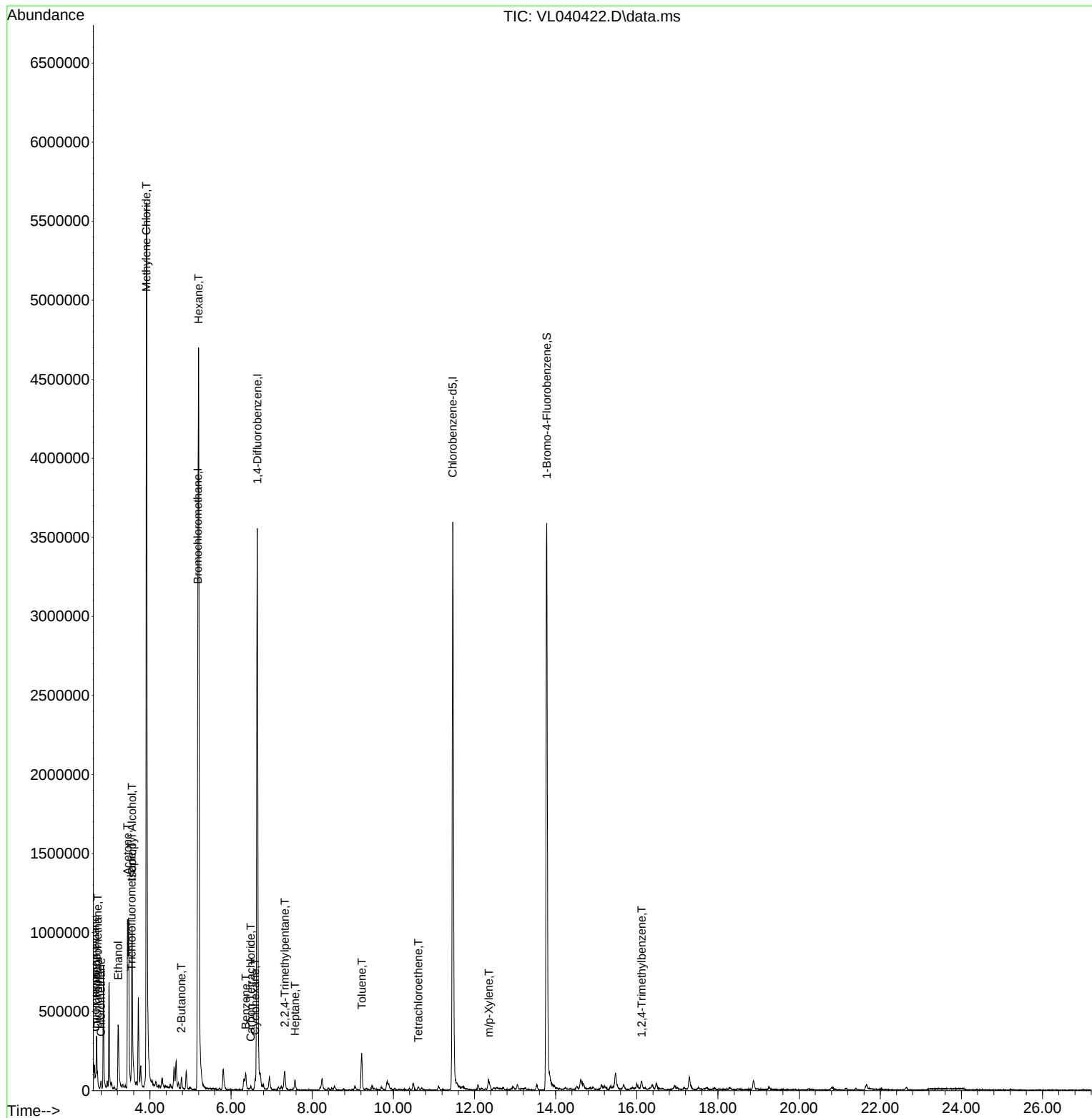
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
Data File : VL040422.D
Acq On : 12 May 2023 17:29
Operator : SY/MD
Sample : 02785-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

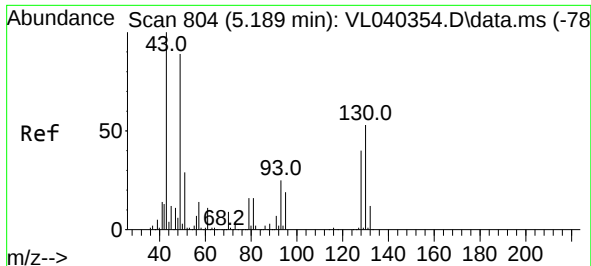
Instrument :
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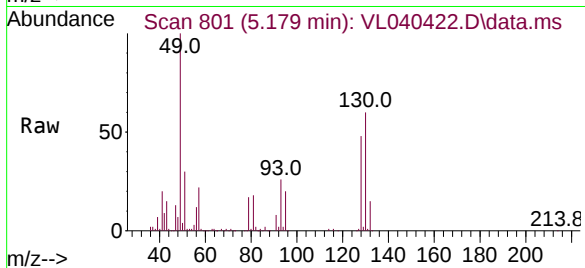
Quant Time: May 15 00:43:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 804
Delta R.T. -0.010 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

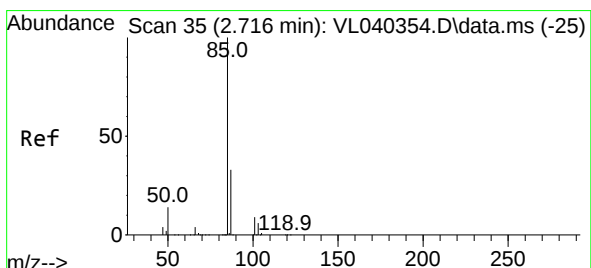
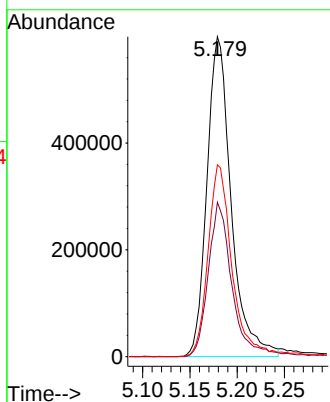
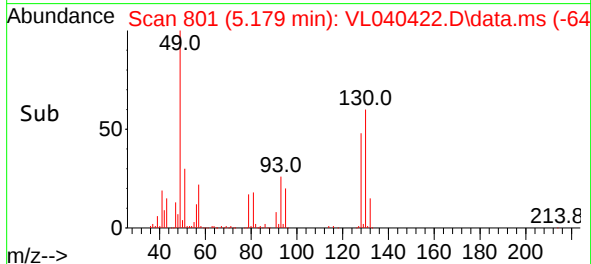
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 106562
Ion Ratio Lower Upper
49 100
128 48.6 23.7 71.1
130 61.5 29.9 89.8

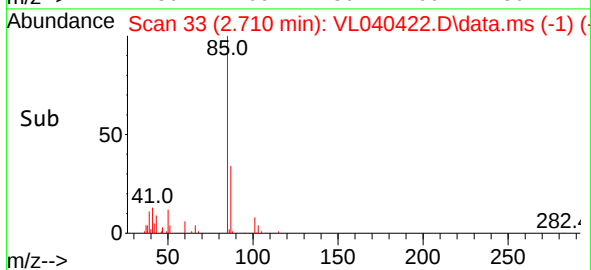
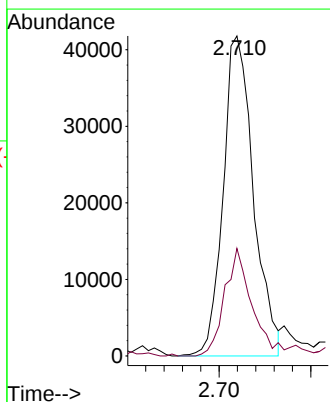
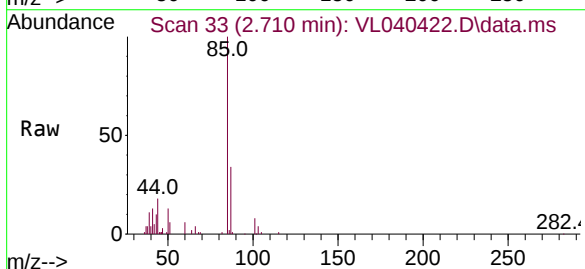
Manual Integrations
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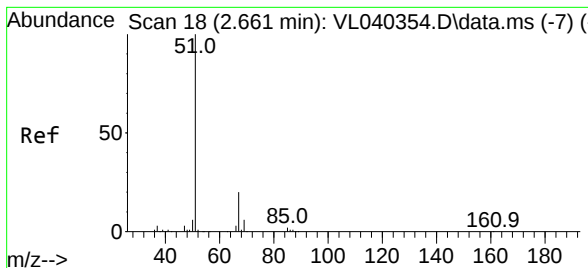
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#2
Dichlorodifluoromethane
Concen: 0.250 ppbv
RT: 2.710 min Scan# 33
Delta R.T. -0.006 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

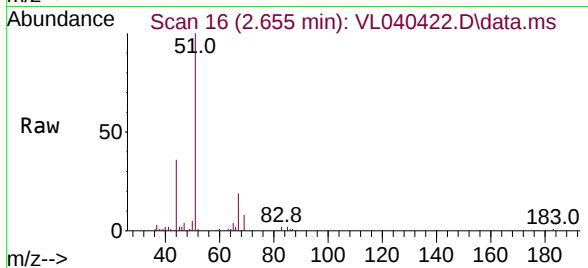
Tgt Ion: 85 Resp: 47993
Ion Ratio Lower Upper
85 100
87 33.6 26.6 40.0





#3
Chlorodifluoromethane
Concen: 0.359 ppbv m
RT: 2.655 min Scan# 10
Delta R.T. -0.006 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

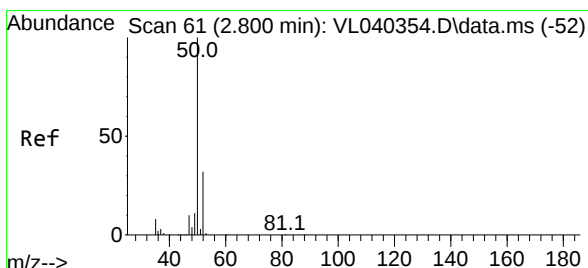
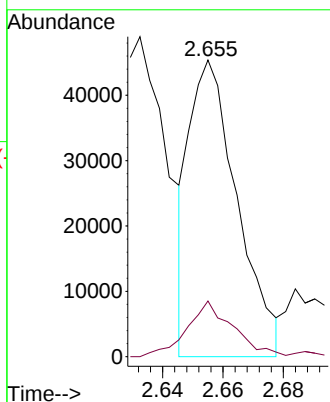
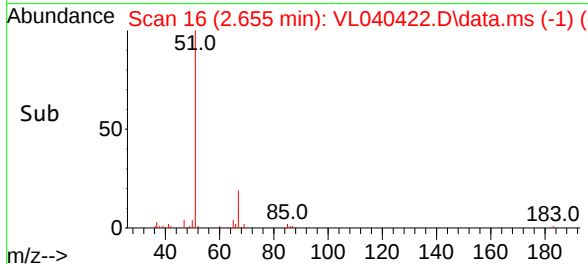
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 51 Resp: 50029
Ion Ratio Lower Upper
51 100
67 19.0 15.5 23.3

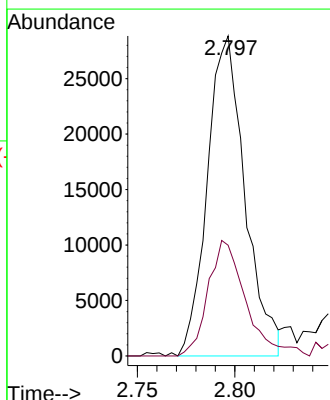
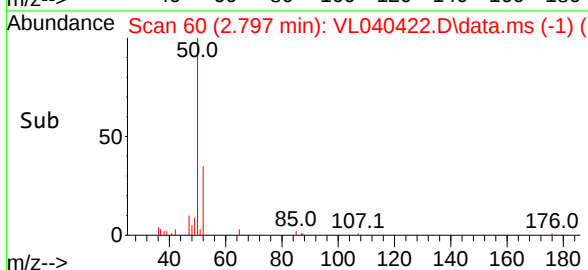
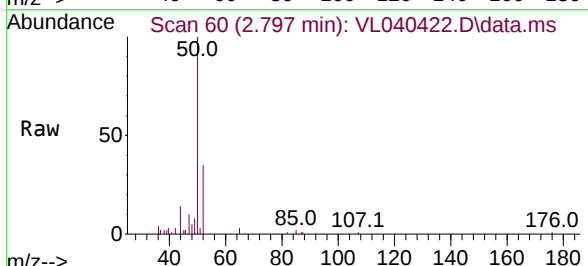
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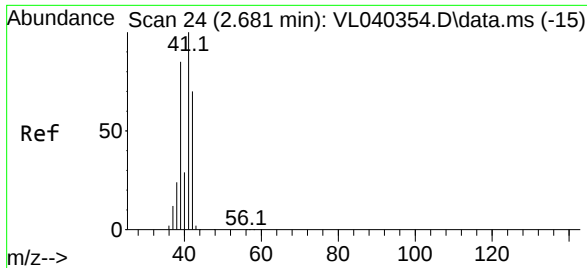
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#4
Chloromethane
Concen: 0.440 ppbv
RT: 2.797 min Scan# 60
Delta R.T. -0.003 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

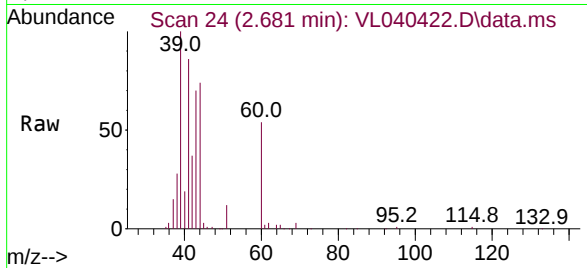
Tgt Ion: 50 Resp: 38742
Ion Ratio Lower Upper
50 100
52 34.6 25.3 37.9





#9
 Propene
 Concen: 1.562 ppbv m
 RT: 2.681 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: VL040422.D
 Acq: 12 May 2023 17:29

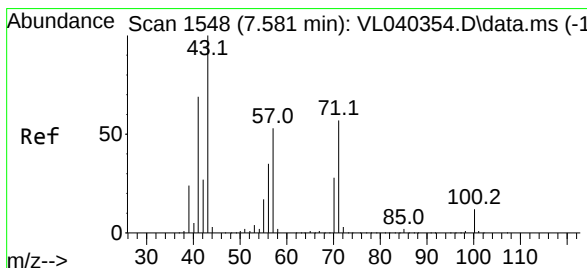
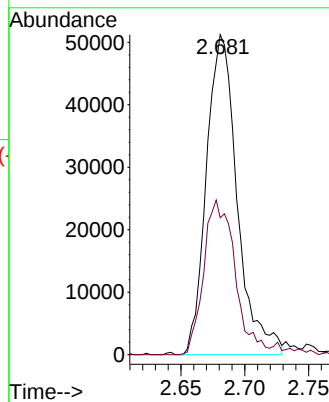
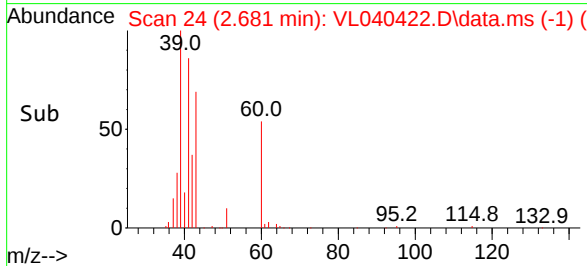
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 41 Resp: 8591
 Ion Ratio Lower Upper
 41 100
 42 157.4 56.5 84.7

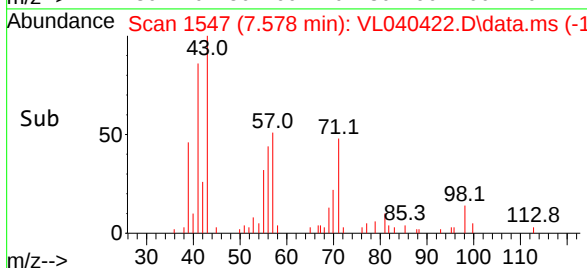
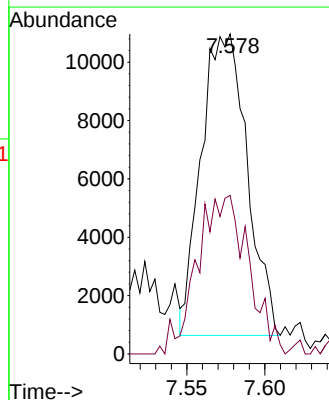
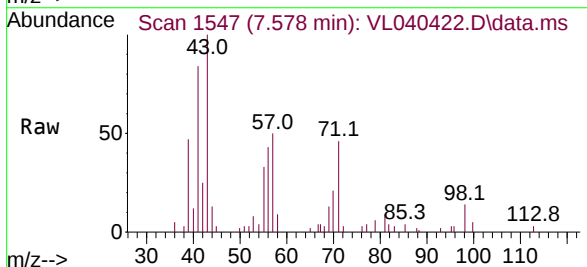
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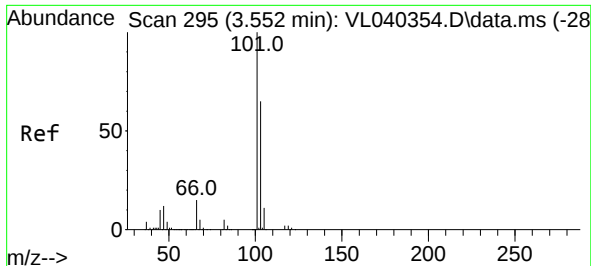
Reviewed By :Semsettin Yesilyurt 05/16/2023
 Supervised By :Mahesh Dadoda 05/16/2023



#10
 Heptane
 Concen: 0.169 ppbv
 RT: 7.578 min Scan# 1547
 Delta R.T. -0.003 min
 Lab File: VL040422.D
 Acq: 12 May 2023 17:29

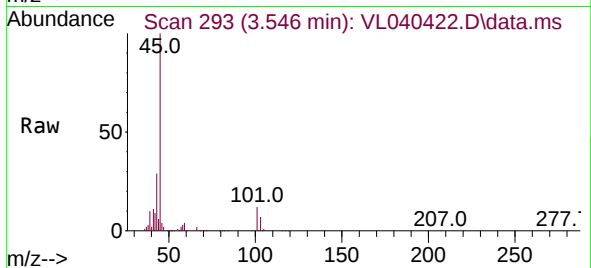
Tgt Ion: 43 Resp: 21139
 Ion Ratio Lower Upper
 43 100
 57 60.0 42.2 63.4





#11
Trichlorofluoromethane
Concen: 0.200 ppbv
RT: 3.546 min Scan# 295
Delta R.T. -0.006 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

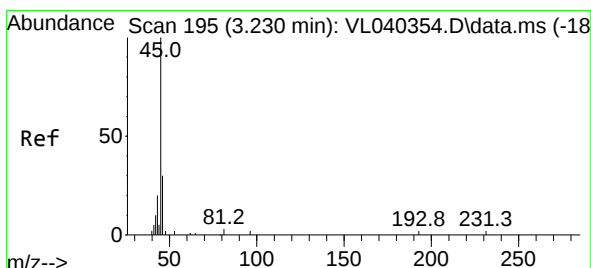
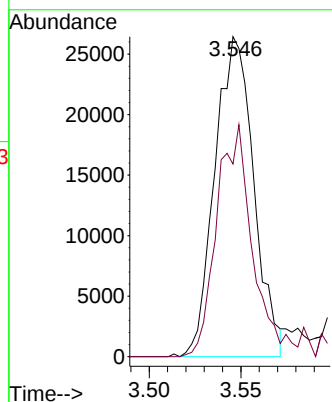
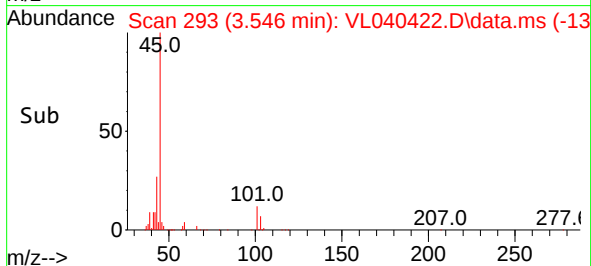
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 101 Resp: 3898
Ion Ratio Lower Upper
101 100
103 60.2 52.2 78.4

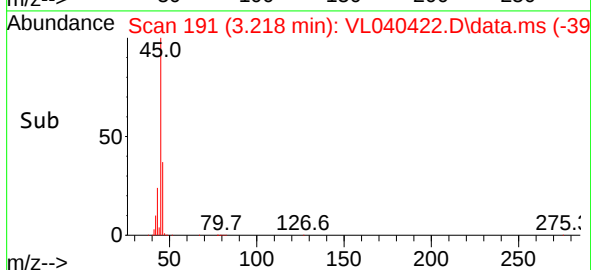
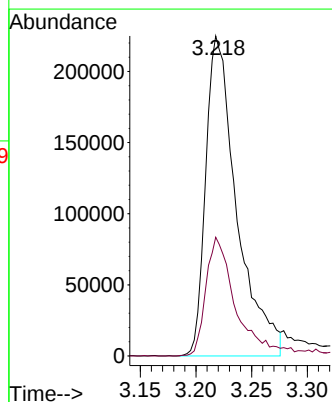
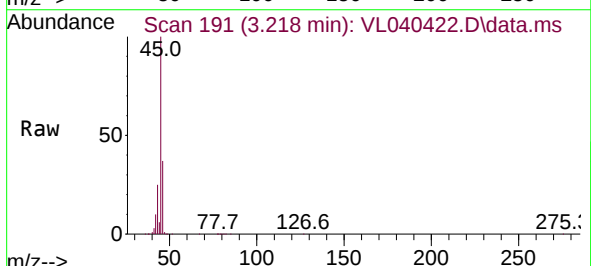
Manual Integrations
APPROVED

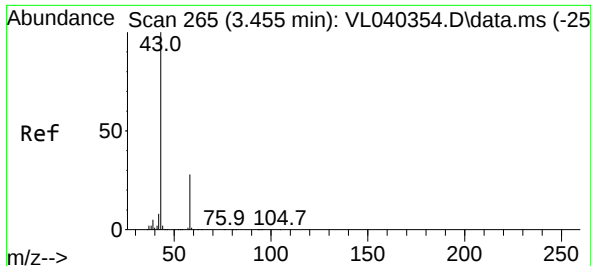
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#13
Ethanol
Concen: 94.806 ppbv
RT: 3.218 min Scan# 191
Delta R.T. -0.012 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

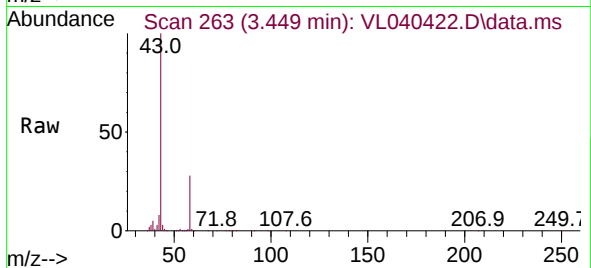
Tgt Ion: 45 Resp: 435388
Ion Ratio Lower Upper
45 100
46 39.7 15.3 61.3





#15
Acetone
Concen: 5.987 ppbv m
RT: 3.449 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

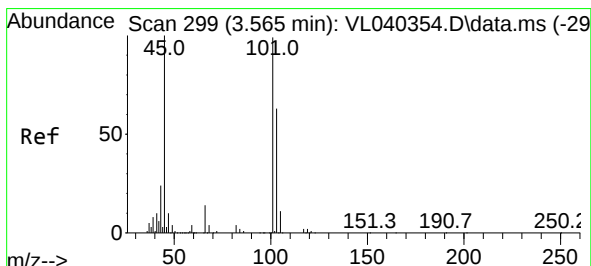
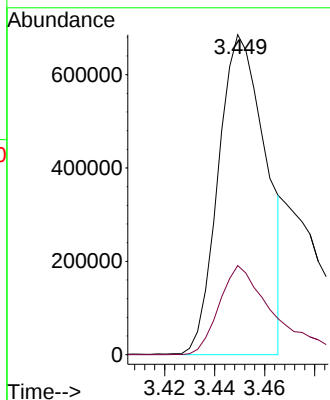
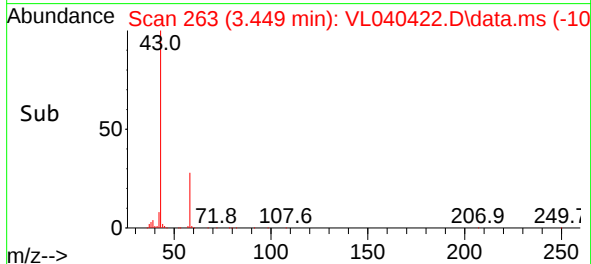
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 903610
Ion Ratio Lower Upper
43 100
58 34.3 22.2 33.2

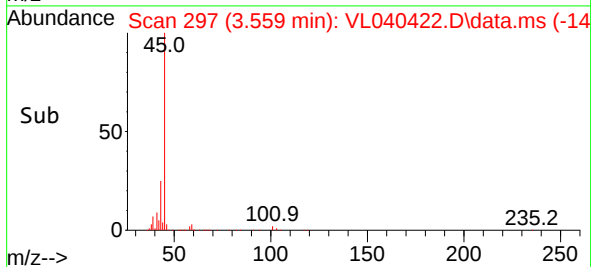
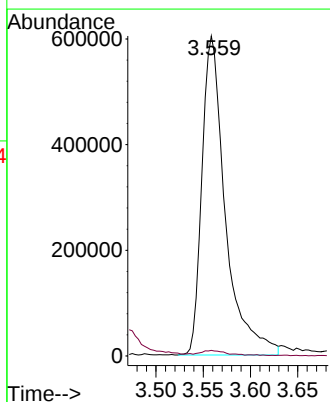
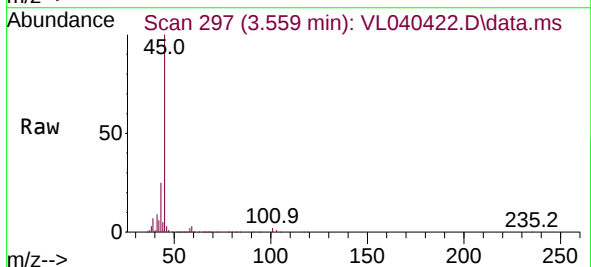
Manual Integrations
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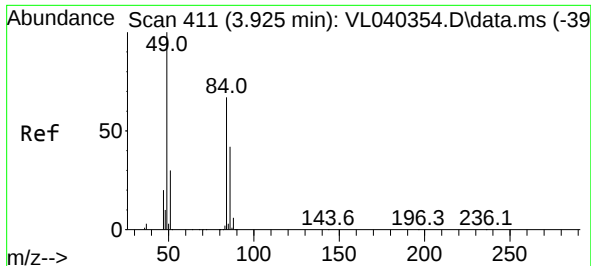
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#19
Isopropyl Alcohol
Concen: 15.120 ppbv
RT: 3.559 min Scan# 297
Delta R.T. -0.006 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

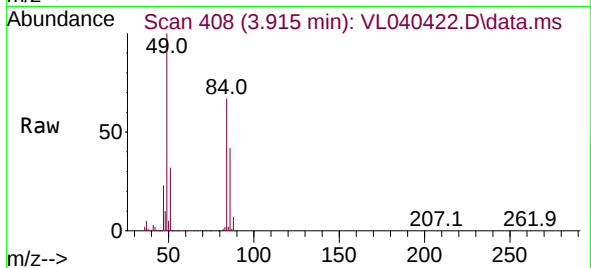
Tgt Ion: 45 Resp: 1041315
Ion Ratio Lower Upper
45 100
58 1.9 2.6 4.0





#20
Methylene Chloride
Concen: 32.761 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.010 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

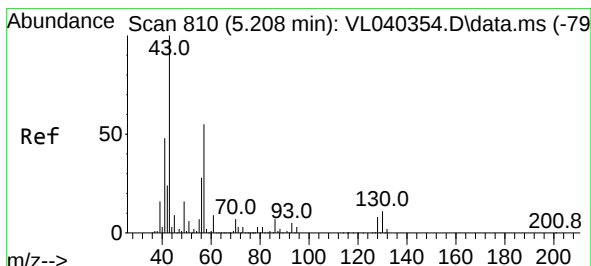
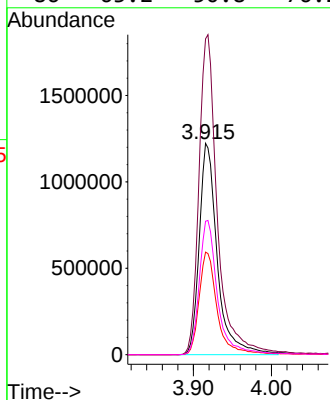
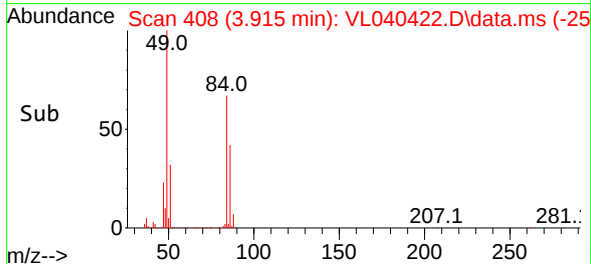
Instrument :
MSVOA_L
ClientSampleId :
IA1



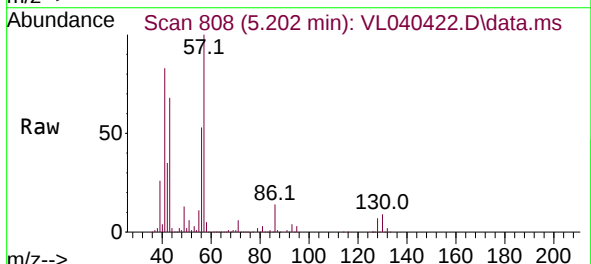
Tgt Ion: 84 Resp: 1974090
Ion Ratio Lower Upper
84 100
49 149.4 120.1 180.1
51 48.5 36.3 54.5
86 63.2 50.8 76.2

Manual Integrations
APPROVED

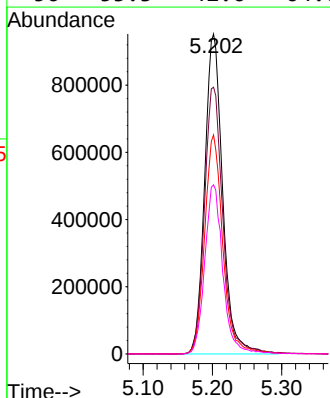
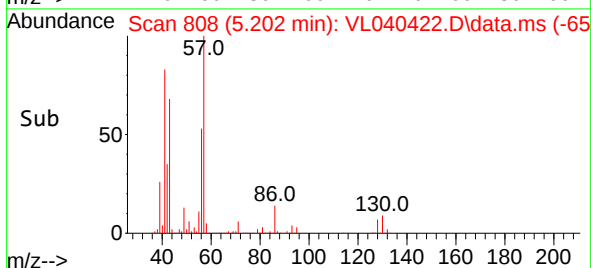
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

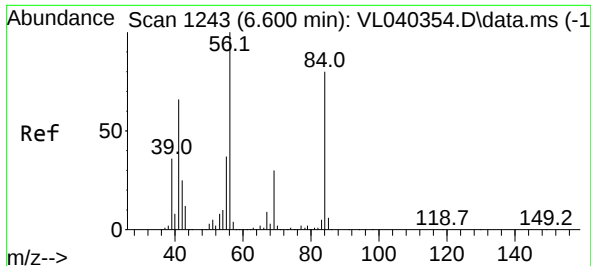


#26
Hexane
Concen: 16.023 ppbv
RT: 5.202 min Scan# 808
Delta R.T. -0.006 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29



Tgt Ion: 57 Resp: 1715482
Ion Ratio Lower Upper
57 100
41 86.4 74.8 112.2
43 69.3 192.7 289.1#
56 53.3 42.6 64.0





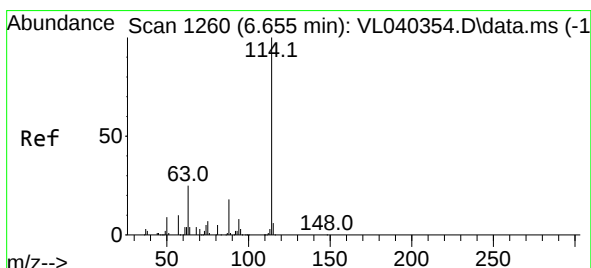
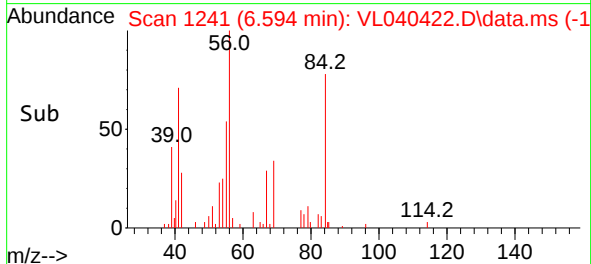
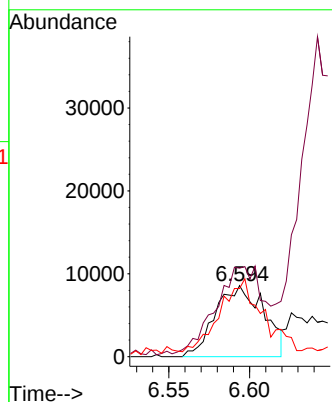
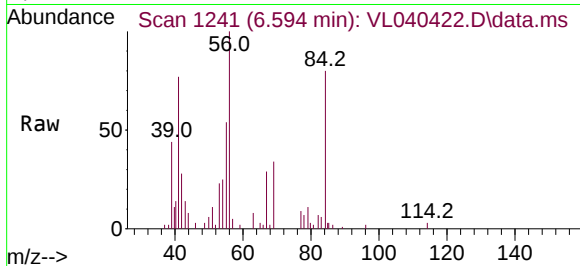
#30
Cyclohexane
Concen: 0.217 ppbv m
RT: 6.594 min Scan# 1241
Delta R.T. -0.006 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 84 Resp: 17998
Ion Ratio Lower Upper
84 100
56 0.0 107.0 160.6
41 0.0 66.7 100.1

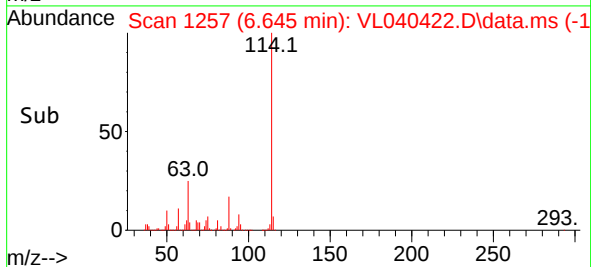
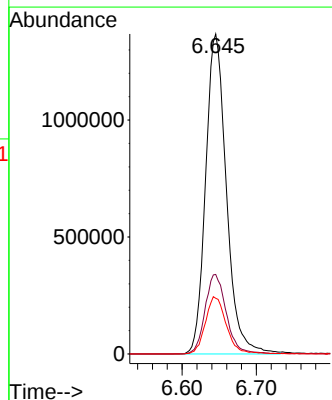
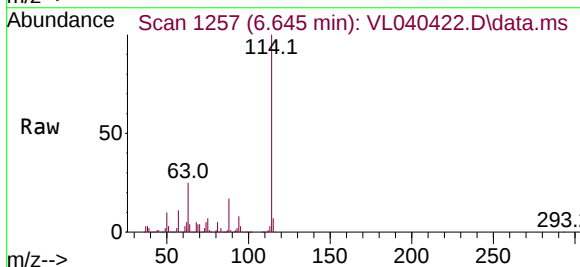
Manual Integrations
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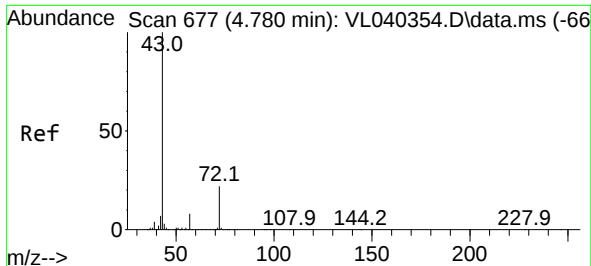
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.010 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

Tgt Ion:114 Resp: 2655405
Ion Ratio Lower Upper
114 100
63 25.7 21.4 32.0
88 18.2 14.6 22.0





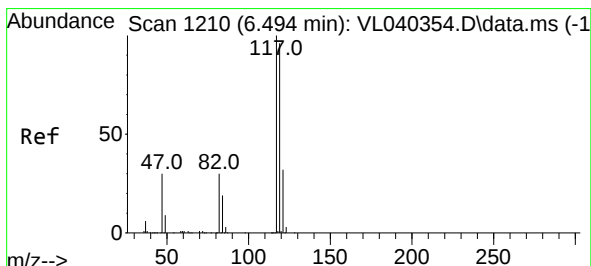
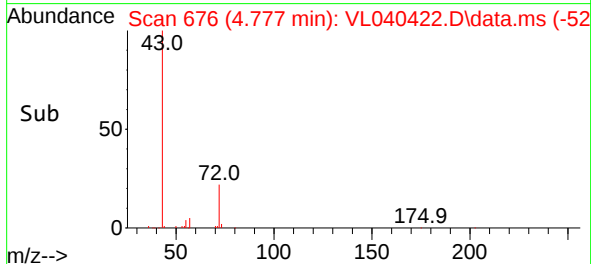
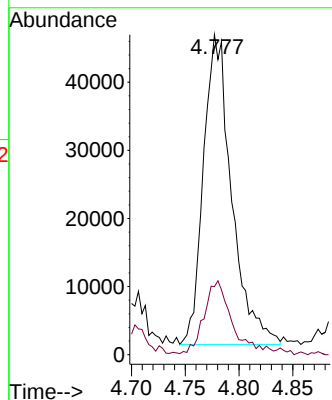
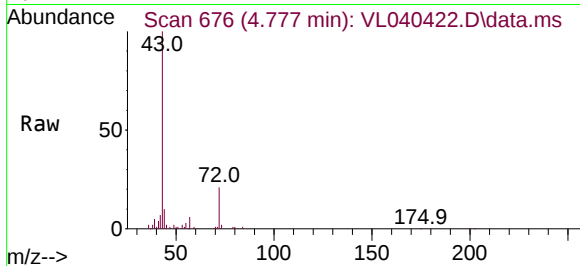
#34
2-Butanone
Concen: 0.580 ppbv
RT: 4.777 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 83078
Ion Ratio Lower Upper
43 100
72 25.0 18.4 27.6

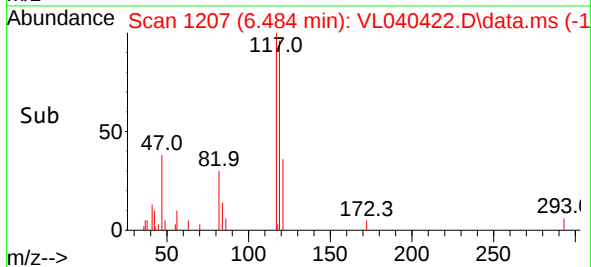
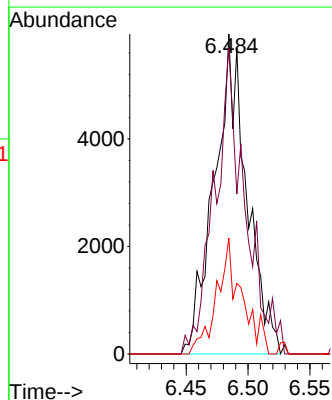
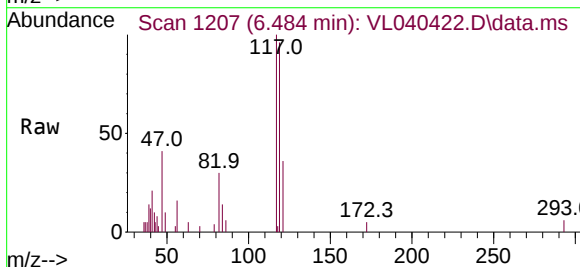
Manual Integrations
APPROVED

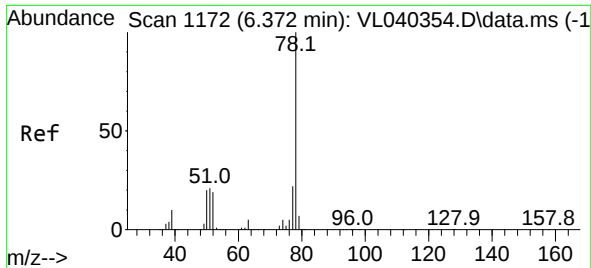
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 6.484 min Scan# 1207
Delta R.T. -0.010 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

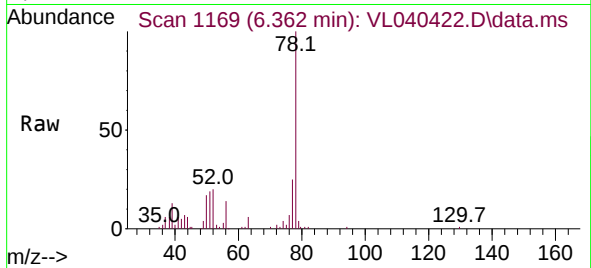
Tgt Ion:117 Resp: 10863
Ion Ratio Lower Upper
117 100
119 95.5 76.6 114.8
121 36.2 25.3 37.9





#36
Benzene
Concen: 0.329 ppbv
RT: 6.362 min Scan# 1172
Delta R.T. -0.010 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

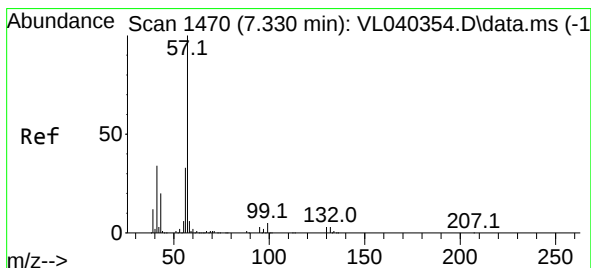
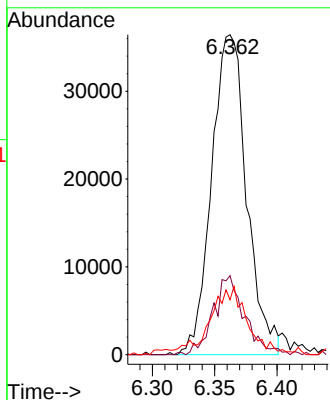
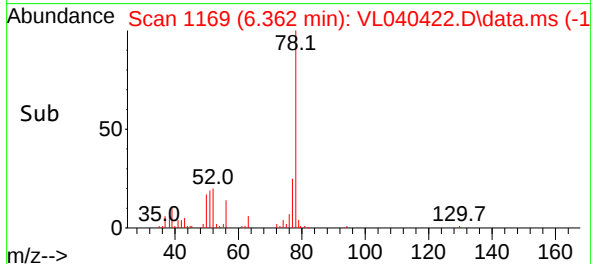
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 78 Resp: 7133
Ion Ratio Lower Upper
78 100
77 24.1 17.8 26.8
50 16.1 15.6 23.4

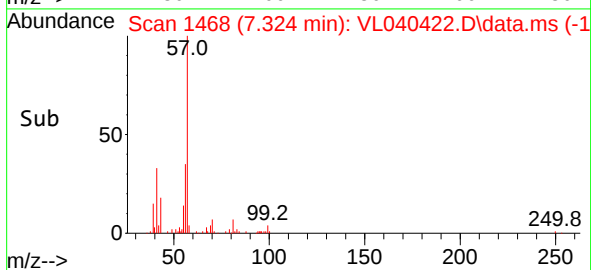
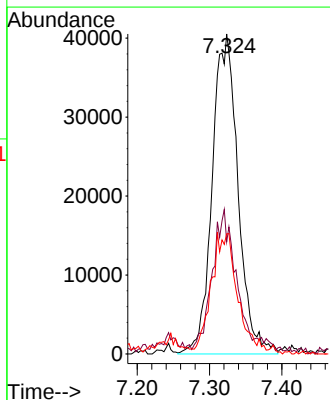
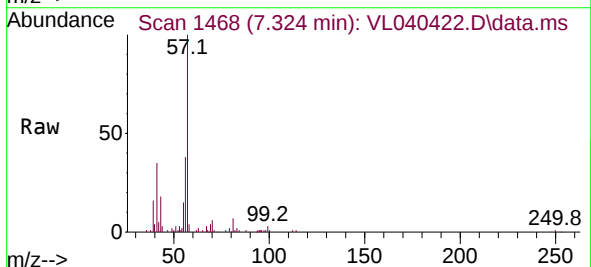
Manual Integrations
APPROVED

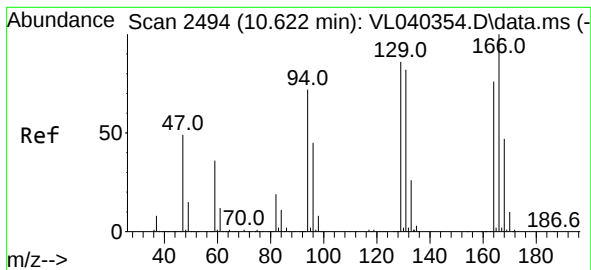
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#44
2,2,4-Trimethylpentane
Concen: 0.277 ppbv m
RT: 7.324 min Scan# 1468
Delta R.T. -0.006 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

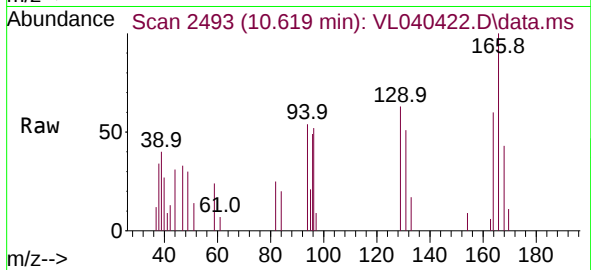
Tgt Ion: 57 Resp: 100392
Ion Ratio Lower Upper
57 100
41 46.4 26.9 40.3#
56 0.0 25.1 37.7#





#52
Tetrachloroethene
Concen: 0.048 ppbv m
RT: 10.619 min Scan# 2493
Delta R.T. -0.003 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

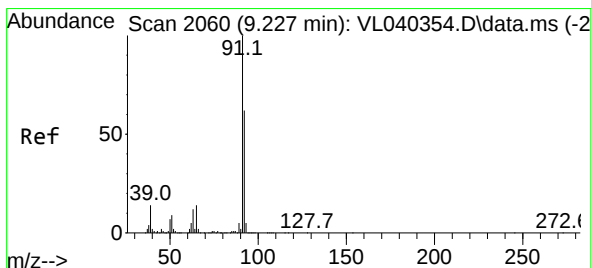
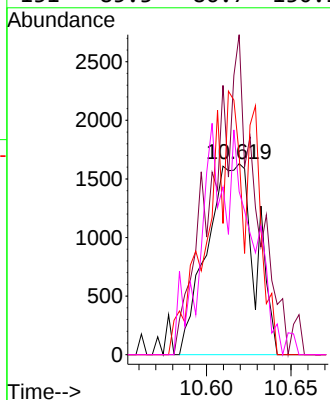
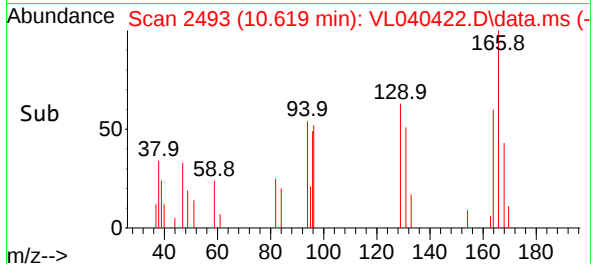
Instrument :
MSVOA_L
ClientSampleId :
IA1



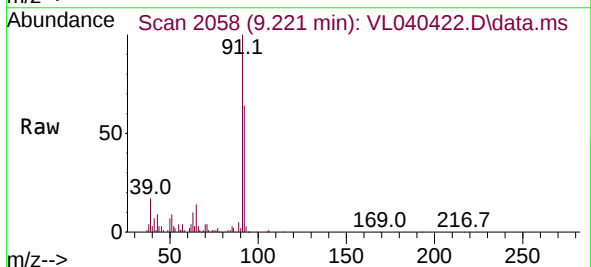
Tgt Ion:164 Resp: 324
Ion Ratio Lower Upper
164 100
166 167.4 105.2 157.8
129 104.7 90.3 135.5
131 85.3 86.7 130.1#

Manual Integrations
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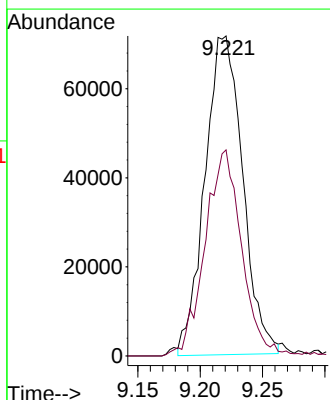
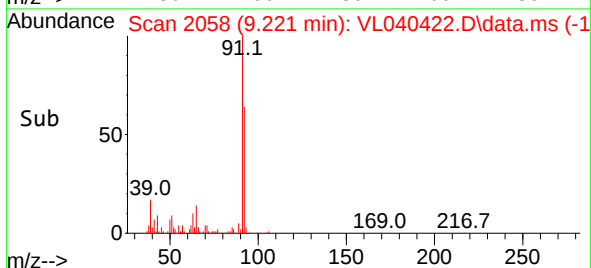
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

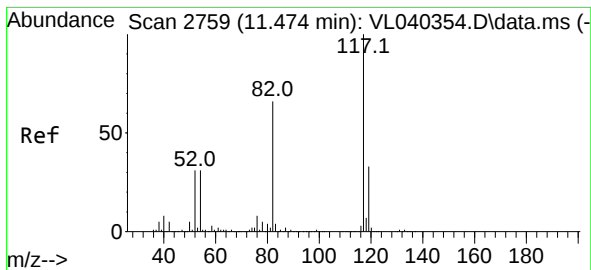


#53
Toluene
Concen: 0.657 ppbv
RT: 9.221 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29



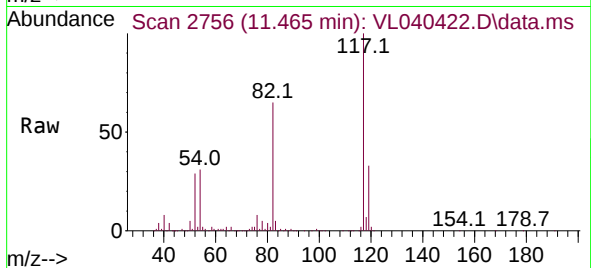
Tgt Ion: 91 Resp: 150988
Ion Ratio Lower Upper
91 100
92 62.7 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. -0.009 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

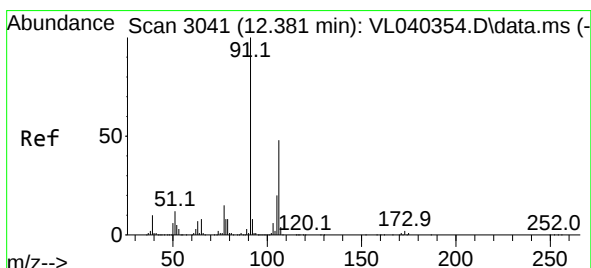
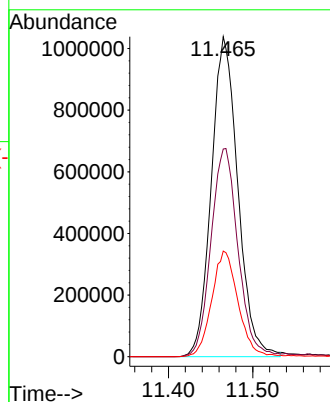
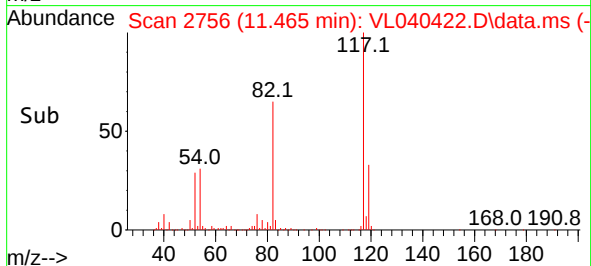
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 117 Resp: 2271000
Ion Ratio Lower Upper
117 100
82 67.3 52.5 78.7
119 33.0 24.3 36.5

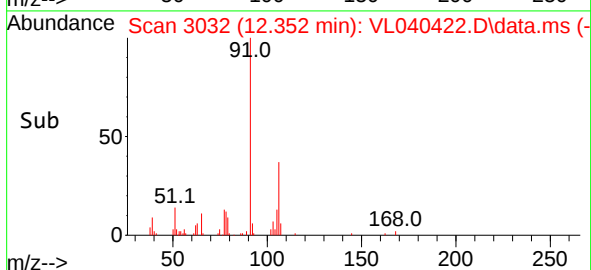
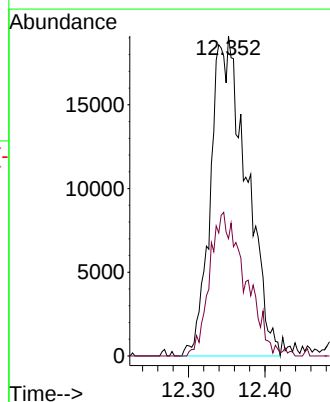
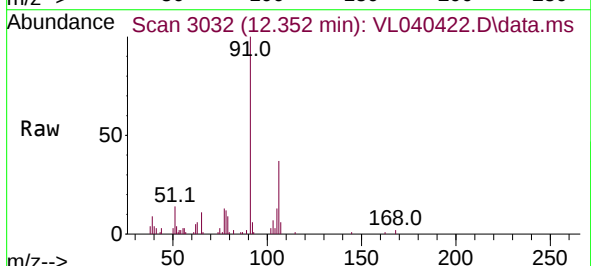
Manual Integrations
APPROVED

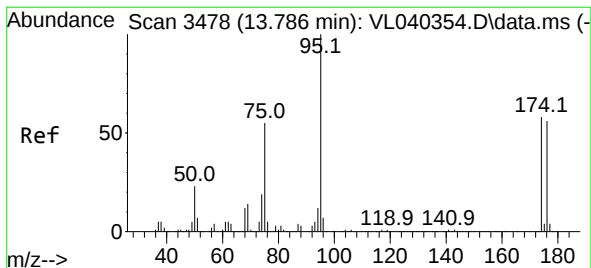
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#59
m/p-Xylene
Concen: 0.242 ppbv m
RT: 12.352 min Scan# 3032
Delta R.T. -0.029 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

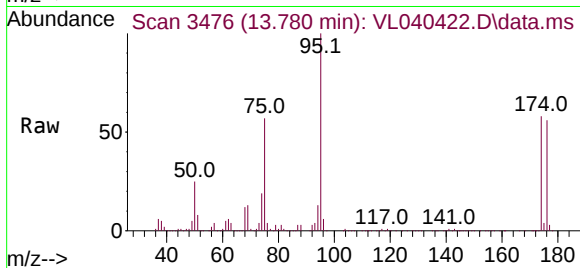
Tgt Ion: 91 Resp: 62189
Ion Ratio Lower Upper
91 100
106 0.0 34.7 52.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.567 ppbv
RT: 13.780 min Scan# 3478
Delta R.T. -0.006 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29

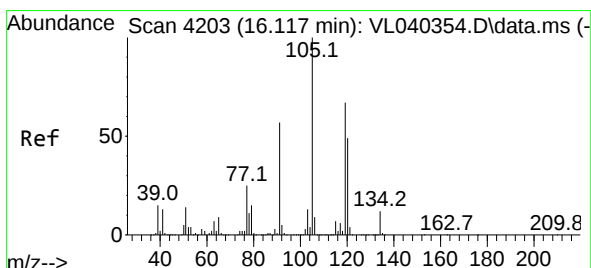
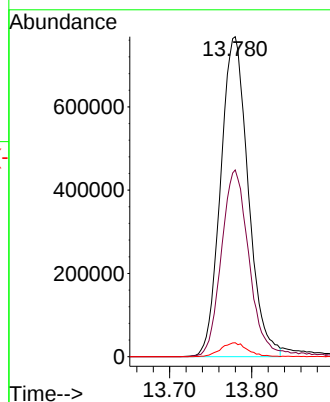
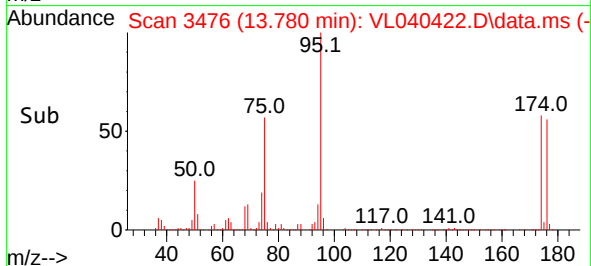
Instrument :
MSVOA_L
ClientSampleId :
IA1



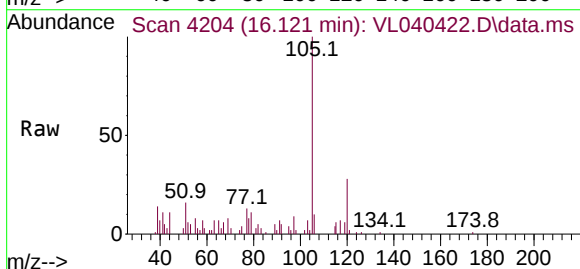
Tgt Ion: 95 Resp: 179673
Ion Ratio Lower Upper
95 100
174 60.0 47.2 70.8
175 4.2 3.5 5.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.121 ppbv m
RT: 16.121 min Scan# 4204
Delta R.T. 0.004 min
Lab File: VL040422.D
Acq: 12 May 2023 17:29



Tgt Ion:105 Resp: 34780
Ion Ratio Lower Upper
105 100
120 27.5 38.9 58.3#
91 6.6 46.0 69.0#
77 13.3 20.0 30.0#

